Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Ent. maint. USACE District: Savannah

Dredge Name: Newport Dredge Firm: MANSON

Date 12 / 20 / 06 LOAD #: #1

Times (24hrs): Start 1530 End 1649 Dump 17

Location, Lat/Long: N 30 DG . 126 W 81 20 . 205

Condition of screening : Port good Starboard good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: California Size of dragheads: 8'
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: mud / silt
Weather conditions: cloudy overcast and cool, (misting rain @ 1536)

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

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

Wind (speed & direction): N 15-20 kts. 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

✓	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 (Rope, plastic, wood) Grass Mud

STARBOARD SCREEN CONTENTS: Same

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: Strikeouts 19-38 (Will get call from aerial survey re: whale sightings)
No flight today due to weather)

No known incidents w/ target spp.

FORWARD INBOARD SCREENS ARE Difficult to ACCESS and CLEAN due to

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

Observer's Name: Ed Cone Observer firm Continuum Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Ent. Maint. USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 12 / 20 / 06 LOAD #: #2

Times (24hrs): Start ~~2021~~ 1839 End 2027 Dump 2052

Location, Lat/Long: N 31 05 .729 W 81 19 .515

Condition of screening: Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: Cal Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: mud / silt
Weather conditions: light Rain

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown 6' @ 2000

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

Wind (speed & direction): NE 15-20 kts 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

✓	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 coated debris, grass conch (10) wood

STARBOARD SCREEN CONTENTS: debris, grass, plastic, wood, rope, conch(

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: Cleaning inflow screening on dump return. Inflow screening's proximity to rolling silt load makes cleaning screens on load completion dangerous. Unlike stable

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

Observer's Name: Ed Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Ent. Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 12/ 20/ 06 LOAD #: #3

Times (24hrs): Start 2129 End 2319 Dump 2344

Location, Lat/Long: N 31 05 .505 W 81 19 .184

Condition of screening : Port good Starboard good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: Cal. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: SILT / mud
Weather conditions: Rain w / low visibility

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

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

Wind (speed & direction): 15K NE AIR TEMP: 63.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: ~~Mud coated debris grass conch (10) wood~~
6 whelks

STARBOARD SCREEN CONTENTS: whelks + rope

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: E. Cane / C Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Ent. Maint USACE District: SAV

Dredge Name: Newport Dredge Firm: MANSON

Date 12 / 21 / 2006 LOAD #: 4

Times (24hrs): Start 0015 End 0225 Dump 0250

Location, Lat/Long: N 31 05 505 W 81 19 184

Condition of screening : Port good Starboard good Overflow

Number of dragheads in use: 2 Type of dragheads used: Cali Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: silt Mud
Weather conditions: Rain w/low vis.

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

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

Wind (speed & direction): 15 NE AIR TEMP: 63 F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Conks, whelks, Net debris

STARBOARD SCREEN CONTENTS: whelks, rope fragments

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

Observer's Name: C/Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brwick Maint USACE District: SAV

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 2006 LOAD #: 5

Times (24hrs): Start 0315 End 5:19 Dump 0545

Location, Lat/Long: N 31 05 505 W 81 19 184

Condition of screening : Port Good Starboard Good Overflow

Number of dragheads in use: 2 Type of dragheads used: CALIF Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, Mud
Weather conditions: NE Wind, Rain ending

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

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

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

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

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

PORT SCREEN CONTENTS: Rope, shells

STARBOARD SCREEN CONTENTS: Shells

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

Observer's Name: Charles Maley Observer firm ___

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brick Ents. Maint USACE District: SAV

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 2006 LOAD #: 6

Times (24hrs): Start 0614 End 0709 Dump 0732

Location, Lat/Long: N 31 05 505 W 81 13 184

Condition of screening: Port Good Starboard Good Overflow

Number of dragheads in use: 2 Type of dragheads used: CALIF. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, Mud
Weather conditions: clearing slightly

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

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

Wind (speed & direction): 10-15 NE AIR TEMP: 64° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 58/15° °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ~~Rope fragments, whelks~~ Debris (mud coated), plastic, wood, whelk (4)

STARBOARD SCREEN CONTENTS: ~~whelks~~ whelk (8), (3) horse shoe crab debris

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab 2

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

Comments: No AERIAL SURVEY TODAY.
No Known incidents.

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

Observer's Name: Ed Cane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint USACE District: SAV

Dredge Name: Newport Dredge Firm: MANSON

Date 21 / Dec / 06 LOAD #: #7

Times (24hrs): Start 0806 End 0944 Dump _____

Location, Lat/Long: N 31 05 .944 W 81 19 .921

Condition of screening : Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: Cal Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: good

Type of material dredged: Mud / silt
Weather conditions: cloudy 61.5 @ 0930

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

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

Wind (speed & direction): variable easterly 10 kts. AIR TEMP: 65° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 58°/15° °C / °F Column (mid-depth) _____ °C / °F Bottom _____ °C °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris - wood, monofilament line, rope, steel cable, plastic
6 whelk and whelk egg casings

STARBOARD SCREEN CONTENTS: debris - plastic, wood,
4 Horse shoe, 3 Blue

Estimate number entrained on this load for the following:

Sturgeon (any species)	X
Shark (any species)	X
Horseshoe crab	4
Blue crab	3

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

Comments: Stations 29-19
No known incidents
T.t sighted in channel

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

Observer's Name: E. Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick mant USACE District: Sav

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 06 LOAD #: #8

Times (24hrs): Start 1033 End 1225 Dump 1247

Location, Lat/Long: N 31 05 589 W 81 19 242

Condition of screening : Port good Starboard good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: Cal Size of dragheads: ____
Draghead deflector? YES ✓ NO ____ Condition of deflector: good

Type of material dredged: mud / silt
Weather conditions: mostly cloudy

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

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

Wind (speed & direction): Easterly at 5-10 kts AIR TEMP: 77° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: Debris - wood - rope - plastic
2 horse shoe crabs 2 Blue crabs

STARBOARD SCREEN CONTENTS: Debris (heavy METAL shackle) wood
3 Horseshoe crabs, 3 blue crabs

Estimate number entrained on this load for the following:

Sturgeon (any species)	x
Shark (any species)	x
Horseshoe crab	5
Blue crab	5

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

Comments: T.t. sightings throughout loading (in and around channel).
No known incidents w/ target spp.

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

Observer's Name: G. Cave Observer firm Construction Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick maint USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 21 / Dec 06 LOAD #: #9

Times (24hrs): Start 1312 End 1501 Dump

Location, Lat/Long: N 31 05.820 W 81 19.641

Condition of screening: Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: CAL. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt / mud
Weather conditions: cloudy + mild

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown 0.1 @ 1422

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

Wind (speed & direction): Easterly 5-10 kts 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

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

PORT SCREEN CONTENTS: Steel cable, horseshoe crabs, rope + plastic debris

STARBOARD SCREEN CONTENTS: Horseshoe crabs, net + rope debris

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab 6601
Blue crab 86743

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

Comments: T.t. sightings in channel.

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

Observer's Name: G Cone / C. Maley Observer firm Coastwise

Donnie Smith 904 861 7956

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint. USACE District: Sav.

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 2006 LOAD #: 10

Times (24hrs): Start 1547 End 1634 Dump 1655

Location, Lat/Long: N 31 05 820 W 81 19 641

Condition of screening: Port Good Starboard Good Overflow

Number of dragheads in use: 2 Type of dragheads used: Calif. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, mud
Weather conditions: Mostly cloudy, slight haze

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

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

Wind (speed & direction): NE 10 AIR TEMP: 68 F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Benthic debris: rope, sea whip, scraps of plastic, rope

STARBOARD SCREEN CONTENTS: Wood debris

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: ___ % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: Charles Maley Observer firm Coastal Wise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brick Maint USACE District: Sav.

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 2006 LOAD #: 11

Times (24hrs): Start 1711 End 1936 Dump

Location, Lat/Long: N 31 05.820 W 81 19.641

Condition of screening : Port Good Starboard Good Overflow

Number of dragheads in use: 2 Type of dragheads used: Calif. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: ✓

Type of material dredged: Mud, Silt
Weather conditions: Mostly cloudy

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

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

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

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

SCREEN TYPE

✓	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: wood, rope, organic matter, whelks, horseshoe crab

STARBOARD SCREEN CONTENTS: wood, plastic, net fragments

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: No known incidents.

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

Observer's Name: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint USACE District: Sav'h

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 2006 LOAD #: 12

Times (24hrs): Start 2030 End 2215 Dump 2237

Location, Lat/Long: N 31 05 . 820 W 81 19 . 641

Condition of screening : Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: _____ Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: SILT/mud
Weather conditions: _____

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

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

Wind (speed & direction): _____ AIR TEMP: 68 F ! °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris whelk

STARBOARD SCREEN CONTENTS: Debris whelk

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: C. Mosley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wck Ent. Maint. USACE District: SAV

Dredge Name: Newport Dredge Firm: Manson

Date 21 / Dec / 06 LOAD #: 13

Times (24hrs): Start 2300 End 0046 Dump 0104

Location, Lat/Long: N 31 65.611 W 81 19.280

Condition of screening: Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: Cat Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: SILT/MUD
Weather conditions: mostly cloudy

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

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

Wind (speed & direction): Breeze [illegible] 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

✓	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 - 5 wheel 2 horseshoe crab

STARBOARD SCREEN CONTENTS: Debris wood plastic net

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab 2
- Blue crab ___

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

Comments: No incidents

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

Observer's Name: E. Cave Observer firm Coastwise Consult.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Ent. Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec 06 LOAD #: 14

Times (24hrs): Start 0125 End 0325 Dump 0351

Location, Lat/Long: N 31 05 586 W 81 19 233

Condition of screening : Port good Starboard good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: GAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: SILT / mud
Weather conditions: _____

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

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

Wind (speed & direction): ENE 10-15 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

_____	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: _____

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: _____ % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: _____ Observer firm _____

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint. USACE District: SAV

Dredge Name: Newport Dredge Firm: MANSON

Date 22 / Dec / 06 LOAD #: 15

Times (24hrs): Start 0400 End 0550 Dump 0623

Location, Lat/Long: N 31 06 . 241 W 81 20 . 373

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: SILT / MUD
Weather conditions: Partly cloudy

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

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

Wind (speed & direction): ENE 10-15 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

✓	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: 5 horse shoe crab, various debris

STARBOARD SCREEN CONTENTS: 4 horse shoe crab, 1 eel, 2 blue crab

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	
Horseshoe crab	9
Blue crab	2

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

Comments: No known incidents.

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

Observer's Name: E. Cone Observer firm Coastwise Consult.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Bwick Maint USACE District: SAV H

Dredge Name: NEWPORT Dredge Firm: MANSON

Date 22 / Dec / 2006 LOAD #: 16

Times (24hrs): Start 0640 End 0735 Dump 0806

Location, Lat/Long: N 51 06 . 241 W 81 20 . 373

Condition of screening : Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: Cali Size of dragheads:
Draghead deflector? YES ___ NO ___ Condition of deflector:

Type of material dredged: Silt / Mud
Weather conditions: Partly cloudy / clearing

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

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

Wind (speed & direction): NE 10 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						
✓	Inflow screening:	None	25%	50%	75%	(100%)
	Overflow screening:	None	25%	50%	75%	100%
	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: woody debris, monofilament, sea whips whelks

STARBOARD SCREEN CONTENTS: 1 horseshoe crab, wood scraps, sea whips, whelks

Estimate number entrained on this load for the following:
Sturgeon (any species) ✓
Shark (any species) ✓
Horseshoe crab 1
Blue crab ✓

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

Comments: No whale flights today

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

Observer's Name: Charles Maly Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brick Maint. USACE District: Sajh

Dredge Name: Newport Dredge Firm: Mansch

Date 22 / Dec / 2006 LOAD #: 17

Times (24hrs): Start 0824 End 0935 Dump 0953

Location, Lat/Long: N 31 06 .241 W 81 20 .373

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: Cal. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt/Mud
Weather conditions:
Hazy, Partly Cloudy

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

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

Wind (speed & direction): 7-13 East 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

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

PORT SCREEN CONTENTS: Trash + woody debris, empty whelks

STARBOARD SCREEN CONTENTS: Rope, trash, net scraps

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: Whale watch on run to dump.

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

Observer's Name: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brick Maint USACE District: Sav'h

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec / 2006 LOAD #: 18

Times (24hrs): Start 1011 End 1114 Dump ~~1348~~ 1134

Location, Lat/Long: N 31 05 .856 W 81 19 .695

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: Calif. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, some sand
Weather conditions: Increasing haze and clouds

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

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

Wind (speed & direction): 6-10 ESE AIR TEMP: 66 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 62° °C/(F) Column (mid-depth) 60 °C/(F) Bottom ___ °C/°F

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

PORT SCREEN CONTENTS: Shrimp webbing, wood, seawhip and sponges, trash, horseshoe crabs, whelks

STARBOARD SCREEN CONTENTS: wood, plastic, whelks, sea whip

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 6
Blue crab ___

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

Comments: ___

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

Observer's Name: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Bwick Maint. USACE District: Sav'h

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec / 2006 LOAD #: 19

Times (24hrs): Start 1155 End 1348 Dump ~~1348~~ 1414

Location, Lat/Long: N 31 06.241 W 81 20.373

Condition of screening : Port_____ Starboard _____ Overflow _____

Number of dragheads in use: ____ Type of dragheads used: _____ Size of dragheads: _____
Draghead deflector? YES ___ NO ___ Condition of deflector: _____

Type of material dredged: _____
Weather conditions: _____

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

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

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

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

SCREEN TYPE

_____	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: _____

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: _____ % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: _____ Observer firm _____

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint USACE District: Sav'h

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec / 2006 LOAD #: 20

Times (24hrs): Start 1433 End 1625 Dump 1648

Location, Lat/Long: N 31 05 .856 W 81 19 .695

Condition of screening : Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: Calif Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud, silt, sand
Weather conditions:
Overcast, hazy
Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

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

Wind (speed & direction): 13-18 SE AIR TEMP: 68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 62 °C/(F) Column (mid-depth) 60 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: Debris

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: No known incidents.

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

Observer's Name: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint. USACE District: SAV

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec / 06 LOAD #: 21

Times (24hrs): Start 1708 End 1836 Dump 1905

Location, Lat/Long: N 31 05 930 W 81 19 894

Condition of screening: Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud / SILT
Weather conditions: rain

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

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

Wind (speed & direction): N 10 kts (variable) 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

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

PORT SCREEN CONTENTS: 6 whelk, 4 horseshoe crab, debris

STARBOARD SCREEN CONTENTS: 7 whelk, 5 horseshoe crab, debris

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab 9
- Blue crab ___

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

Comments: No known incidents

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

Observer's Name: E. Cane Observer firm Coastwise Consult.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint USACE District: SAV

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec / 06 LOAD #: 22

Times (24hrs): Start 1935 End 2051 Dump 2116

Location, Lat/Long: N 31 05 .930 W 81 19 .89

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

Number of dragheads in use: _____ Type of dragheads used: _____ Size of dragheads: _____
Draghead deflector? YES ___ NO ___ Condition of deflector: _____

Type of material dredged: mud / SILT
Weather conditions: Rain

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

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

Wind (speed & direction): _____ AIR TEMP: 67° °C (°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 60° °C (°F) Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 4 horse shoe crabs - debris

STARBOARD SCREEN CONTENTS: 5 horseshoe crabs -

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) _____
- Horseshoe crab 9
- Blue crab _____

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

Comments: No known incidents w/ target spp.

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

Observer's Name: E. Cane Observer firm Coastwise Consult.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint. USACE District: SAV

Dredge Name: Newport Dredge Firm: Manson

Date 22 / Dec / 06 LOAD #: 23

Times (24hrs): Start 2145 End 2304 Dump 2331

Location, Lat/Long: N 31 05.873 W 81 19.808

Condition of screening: Port good Starboard good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: cal. Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: mud / silt
Weather conditions: Foggy w/ some showers

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

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

Wind (speed & direction): SE 5-10 AIR TEMP: 68° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 60° °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Trash, whelks, sea whip, wood debris

STARBOARD SCREEN CONTENTS: Trash, whelks, debris, horseshoe crabs

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) _____
- Horseshoe crab 2
- Blue crab _____

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

Comments: _____

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

Observer's Name: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint USACE District: Sav'h

Dredge Name: Newport Dredge Firm: Manson

Date 23 / Oct / 2006 LOAD #: 24

Times (24hrs): Start 0000 End 0140 Dump 0207

Location, Lat/Long: N 31 05 .873 W 81 19 .808

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: Calif Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt, mud, sand
Weather conditions:

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

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

Wind (speed & direction): S 5-10 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

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

PORT SCREEN CONTENTS: Trash, benthic debris, whelks, woody scraps

STARBOARD SCREEN CONTENTS: whelks, plastic, wood scraps, sea whip

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab 4
Blue crab

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint. USACE District: Sav'h

Dredge Name: Newport Dredge Firm: Manson

Date 23 / Dec / 2006 LOAD #: 25

Times (24hrs): Start 0234 End 0415 Dump 0443

Location, Lat/Long: N 31 05.873 W 81 19.808

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: Calif Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt, mud, sand
Weather conditions: hazy, partly cloudy, light showers

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

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

Wind (speed & direction): S 5-10 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

___	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 rock, sea whip, whelks, woody debris, trash

STARBOARD SCREEN CONTENTS: trash, wood, whelks

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: Charles Maley Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick Maint. USACE District: Sav'h

Dredge Name: New Port Dredge Firm: Manson

Date 23 / Dec / 2006 LOAD #: 26

Times (24hrs): Start 0507 End 0640 Dump.

Location, Lat/Long: N 31 06.171 W 81 20.279

Condition of screening : Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: Calif Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: SILT / Mud
Weather conditions: 69.5 @ 0853

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

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

Wind (speed & direction): NE 5kts 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

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

PORT SCREEN CONTENTS:

STARBOARD SCREEN CONTENTS:

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

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

Comments:

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

Observer's Name: Observer firm

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 23 / Dec / 04 LOAD #: 27

Times (24hrs): Start 0721 End 0850 Dump 0909

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening : Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: CAV. Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: good

Type of material dredged: SILT/MUD
Weather conditions: scattered clouds + calm

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

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

Wind (speed & direction): NE 5 Kts. AIR TEMP: 79.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: _____

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: _____ % Monitoring/24 hrs: None 25% 50% 75% 100%

Observer's Name: _____ Observer firm _____

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 23 / Dec / 06 LOAD #: 28

Times (24hrs): Start 0927 End 1116 Dump 1132

Location, Lat/Long: N 31 05 .566 W 81 19 .276

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: SILT / MUD
Weather conditions: scattered clouds, calm 68.5 @ 10:55 w/ incoming front from the west.

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

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

Wind (speed & direction): SE 0-5 AIR TEMP: 86° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 60° °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 4 whelk, debris (net, plastic, wood)

STARBOARD SCREEN CONTENTS: 1 calico crab, 3 horseshoe crab, debris

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

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

Comments: No known incidents.
Tt. at dump area

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

Observer's Name: E. Cane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wick USACE District: SAV.

Dredge Name: New Port Dredge Firm: MANSON

Date 23 / Dec / 06 LOAD #: 29

Times (24hrs): Start 1146 End 1321 Dump 1341

Location, Lat/Long: N 31 05 .766 W 81 19 .570

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: sand / SILT
Weather conditions: cloudy / mild 80.5 @ 1250

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

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

Wind (speed & direction): SSE 0-5 Kts AIR TEMP: 89.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 60° °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 7 whelk - debris.

STARBOARD SCREEN CONTENTS: 3 horseshoe crabs, 6 whelk, debris

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: Aerial survey spotted 2 adults moving east @ 1320 hrs their coordinates at time of sighting is 31 08 94 N and 81 14 67 W, those coordinates make their distance from our dredging operation 5.4 nautical miles. No known incidents w/ target sp.

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

Observer's Name: E. Cone Observer firm _____

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: NewPort Dredge Firm: MANSON

Date 23 / Dec / 06 LOAD #: 30

Times (24hrs): Start 1400 End 1524 Dump 1545

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port _____ Starboard _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: mud/silt
Weather conditions: High ceiling patches of blue sky.

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

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

Wind (speed & direction): 5<5 kts AIR TEMP: 80°@ 1430 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 60° °C °F Column (mid-depth) _____ °C / °F Bottom _____ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 2 horseshoe crabs, wood debris, monofilament, benthic debris, whelks

STARBOARD SCREEN CONTENTS: 3 horseshoe crabs, whelks, wood + trash.

Estimate number entrained on this load for the following:
- Sturgeon (any species) _____
- Shark (any species) _____
- Horseshoe crab 5
- Blue crab _____

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

Comments: AERIAL survey reports whale sighting (2 adults) [notes on load sheet #30] Awaiting any update. Maintained Bow watch on way to dump. 2nd sighting 1400 hrs. 1A 1 calf 31 01 93 N 81 09 32 W heading east

Turtle ops (3) in channel @ 1513 hrs., then along length of cut.

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

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

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 23 / Dec / 2006 LOAD #: 34

Times (24hrs): Start 1603 End 1726 Dump 1745

Location, Lat/Long: N 31 05.766 W 81 19.570

Condition of screening : Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Sand, silt, mud
Weather conditions:

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

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

Wind (speed & direction): 7 S AIR TEMP: 71 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: 2 horseshoe crabs, whelks, sea cukes, woody debris, trash

STARBOARD SCREEN CONTENTS: stingray, horseshoe crabs, benthic debris

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 4
Blue crab

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 23 / Dec / 2006 LOAD #: 32

Times (24hrs): Start 1803 End 1930 Dump

Location, Lat/Long: N 31 06 162 W 81 20 301

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: sand, silt, mud
Weather conditions: mostly cloudy, calm

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

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

Wind (speed & direction): SSW 5-7 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

✓	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: Stingray, whelks, horseshoe crabs trash, wood

STARBOARD SCREEN CONTENTS: whelks, trash, benthic debris

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 2
Blue crab

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 23 / Dec / 2006 LOAD #: 33

Times (24hrs): Start 2013 End 2135 Dump 2201

Location, Lat/Long: N 31 05 766 W 81 19 570

Condition of screening: Port Good Starboard Good Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, sand, mud
Weather conditions: Calm, mostly cloudy

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

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

Wind (speed & direction): SW 5-8 AIR TEMP: 60 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: 6 horseshoe crabs, trash, woody debris, whelks

STARBOARD SCREEN CONTENTS: Whelks, monofilament, rope, benthic debris, trash

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 6
Blue crab ___

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

Comments: ___

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 23 / Dec / 2006 LOAD #: 34

Times (24hrs): Start 2226 End 0045 Dump 0107

Location, Lat/Long: N 31 05 .939 W 81 19 .955

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Silt, Sand, mud
Weather conditions: calm, cloudy

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

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

Wind (speed & direction): SW 5-8 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

✓	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: Debris - Grass - Wood - Plastics - Rope - 1 Ray - 2 whelk

STARBOARD SCREEN CONTENTS: 3 horseshoe crabs - Debris

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

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

Comments: No known incidents

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

Observer's Name: E Cave Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 24 / Dec / 2004 LOAD #: 35

Times (24hrs): Start 0130 End 0300 Dump 0323

Location, Lat/Long: N 31 05 .729 W 81 19 .584

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: SILT / mud
Weather conditions: mostly clear overhead

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

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

Wind (speed & direction): SW 0-5 Kts 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

✓	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: 3 whelk debris 3 horseshoe crab

STARBOARD SCREEN CONTENTS: 6 whelk, 1 horseshoe crab 1 blue crab 1 sea cucumber

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 4
Blue crab

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

Comments: No known incidents

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

Observer's Name: E. Cline Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 24 / Dec / 2006 LOAD #: 34

Times (24hrs): Start 0347 End 0512 Dump

Location, Lat/Long: N 31 05 .720 W 81 19 .574

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: mud/silt
Weather conditions: scattered clouds calm

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

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

Wind (speed & direction): S 0-5 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

✓	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: 2 horseshoe crab's, grass wood, plastic, rubber

STARBOARD SCREEN CONTENTS: 2 horse shoe crabs, grass wood, plastic

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 4
Blue crab

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

Comments: No known incidents

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

Observer's Name: E. Lane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 24 / Dec / 2006 LOAD #: 37

Times (24hrs): Start 0607 End 0722 Dump 0740

Location, Lat/Long: N 31 05 .469 W 81 19 .145

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: mud / silt
Weather conditions: Calm, partly cloudy

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

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

Wind (speed & direction): SW 5-10 AIR TEMP: 60° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crab, whelks, trash, woody debris

STARBOARD SCREEN CONTENTS: trash, net fragment, woody debris, sea whips

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments:

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

Observer's Name: Charles Mclay Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 24 / Dec / 2006 LOAD #: 38

Times (24hrs): Start 0756 End 0901 Dump 0918

Location, Lat/Long: N 31 05 390 W 81 18 986

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: sand silt mud
Weather conditions: calm

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

Beaufort Sea States (Enter BSS 1-8) 1 - 2 Wave Height: < 1 building

Wind (speed & direction): S 6 AIR TEMP: 69.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: 6 horseshoe crabs, wood, trash, whelks

STARBOARD SCREEN CONTENTS: 1 blue crab, whelks, crab trap, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 6
Blue crab 1

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 24 / Dec / 2006 LOAD #: 39

Times (24hrs): Start 0934 End 1049 Dump 1107

Location, Lat/Long: N 31 05 . 469 W 81 19 . 145

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: mud, silt, sand
Weather conditions: cloudy, good visibility

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

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

Wind (speed & direction): NW 10-15 AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: horseshoe crabs, whelks, rope

STARBOARD SCREEN CONTENTS: Netting, plastic, wood whelks

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 5
Blue crab ___

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

Comments: ___

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 24 / Dec / 2006 LOAD #: 40

Times (24hrs): Start 1124 End 1253 Dump 1308

Location, Lat/Long: N 31 05 .440 W 81 19 .074

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, mud
Weather conditions:
Overcast, good visibility

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

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

Wind (speed & direction): NW 10-15 AIR TEMP: 05 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crabs, trash, whelks, sea whip

STARBOARD SCREEN CONTENTS: Trash, benthic debris, whelks, horseshoe crabs

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 7
Blue crab ___

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 24 / Dec / 2006 LOAD #: 41

Times (24hrs): Start 1323 End 1435 Dump 1452

Location, Lat/Long: N 31 05 .469 W 81 19 .145

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt, Muck
Weather conditions: Overcast, good visibility

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

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

Wind (speed & direction): NW 7-17 AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 62 °C/°F Column (mid-depth) 62 °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 3 horse shoe crabs - 7 whelk - debris

STARBOARD SCREEN CONTENTS: 2 horse shoe crabs - 10 whelk - debris

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 5
Blue crab ___

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

Comments: AERIAL SURVEY: Rt. whale pair between JAX and St Aug. @ 1350 hrs. 2 adults or cow/calf pair. Beyond slow bell distance.

No known incidents.

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 24 / Dec / 2004 LOAD #: 42

Times (24hrs): Start 1511 End 1646 Dump

Location, Lat/Long: N 31 04 . 186 W 81 20 . 351

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Mud / silt
Weather conditions: cloudy and getting cooler 62.5 @ 1800

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

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

Wind (speed & direction): SW 5 Kts AIR TEMP: 63.5 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 61° @ 1800 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 5 horseshoe crabs - Debris

STARBOARD SCREEN CONTENTS: 6 horseshoe crabs - Debris

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 11
Blue crab

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

Comments: No known incidents

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

Observer's Name: Ed Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 24 / Dec / 2006 LOAD #: 43

Times (24hrs): Start 1721 End 1847 Dump 1907

Location, Lat/Long: N _____ . _____ W _____ . _____

Condition of screening: Port _____ Starboard _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: _____

Type of material dredged: _____
Weather conditions: _____

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

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

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

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

SCREEN TYPE

✓	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: 2 horse shoe crabs

STARBOARD SCREEN CONTENTS: 3 horse shoe crabs

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 5
Blue crab _____

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

Comments: No Known incidents.

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

Observer's Name: E. Cane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 24 / Dec / 2006 LOAD #: 44

Times (24hrs): Start 1931 End 2043 Dump 2102

Location, Lat/Long: N 31 06 100 W 81 20 149

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud Silt
Weather conditions: cloudy w/ rain

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

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

Wind (speed & direction): NW 10-15 KTS AIR TEMP: 65° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

✓	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: 2 horse shoe crab - 5 whelks - debris

STARBOARD SCREEN CONTENTS: 1 horse shoe crab - 3 whelks - debris

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

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

Comments: No known incidents

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

Observer's Name: E. Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 24 / Dec / 2006 LOAD #: 45

Times (24hrs): Start 2118 End 2243 Dump 2302

Location, Lat/Long: N 31 05 930 W 81 19 888

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud / SILT
Weather conditions: OVER CAST

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

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

Wind (speed & direction): NW 5-10 AIR TEMP: 65° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE
✓ 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: 3 horse shoe crabs, 5 whelk - debris

STARBOARD SCREEN CONTENTS: 6 horseshoe crabs, 8 whelk - debris

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 9
Blue crab ___

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

Comments: No known incidents.

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

Observer's Name: Ed Cane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 25 / DEC / 2006 LOAD #: 46

Times (24hrs): Start ~~0046~~ 2330 End 0046 Dump 0102

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, Mud
Weather conditions: cloudy, light rain

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

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

Wind (speed & direction): NW 7-18 AIR TEMP: _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: horse shoe crabs, wood, benthic debris whelks

STARBOARD SCREEN CONTENTS: chain, rope, fishing line, whelks

Estimate number entrained on this load for the following:

Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 4
Blue crab ✓

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

Comments: _____

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 25 / Dec 2006 LOAD #: 47

Times (24hrs): Start 0118 End 0238 Dump 0314

Location, Lat/Long: N _____ W _____

Condition of screening : Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: Silt, Mud
Weather conditions: Light rain, Gusting to heavy rain

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

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

Wind (speed & direction): 7-24 NW 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

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

PORT SCREEN CONTENTS: Trash, wrecks, plastic

STARBOARD SCREEN CONTENTS: _____

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

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

Comments: _____

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 25 / Dec / 2006 LOAD #: 48

Times (24hrs): Start 0323 End 0448 Dump 0513

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port Good Starboard Good Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: Silt Mud, some Sand
Weather conditions: Driving rain, low vis

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

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

Wind (speed & direction): 8-24 SW 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

✓	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: Plastic sheeting, wood, sea whip

STARBOARD SCREEN CONTENTS: Benthic debris, whelks, horseshoe crab.

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 2
Blue crab _____

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

Comments: _____

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

Observer's Name: _____ Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 25 Dec / 2006 LOAD #: 49

Times (24hrs): Start 0532 End 0653 Dump 0715

Location, Lat/Long: N _____ W _____

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: Mud / silt
Weather conditions: light rain low visibility

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

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

Wind (speed & direction): SW 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

✓	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: 3 horseshoe crabs - 5 whelk - debris

STARBOARD SCREEN CONTENTS: 5 horseshoe crabs - 8 whelk - debris

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 8
Blue crab _____

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

Comments: No known incidents

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

Observer's Name: E. Cape Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 25 / Dec / 2006 LOAD #: 50

Times (24hrs): Start 0735 End 0935 Dump 0949

Location, Lat/Long: N 31 05 414 W 81 18 949

Condition of screening: Port Good Starboard Good Overflow Good

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

Type of material dredged: mud / silt
Weather conditions: cloudy and overcast / heavy rain coming

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

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

Wind (speed & direction): 10-15 kts. SW 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

✓	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: 2 horse shoe crab - 3 whelk debris

STARBOARD SCREEN CONTENTS: 5 horse shoe crabs - 7 whelk debris

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 7
Blue crab ___

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

Comments: No aerial survey due/ weather.

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

Observer's Name: E. Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 25 / Dec / 2006 LOAD #: 51

Times (24hrs): Start 1002 End 1027 Dump 1141

Location, Lat/Long: N 31 04 506 W 81 17 504

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: ____
Draghead deflector? YES ✓ NO ____ Condition of deflector: Good

Type of material dredged: MUD/SILT
Weather conditions: heavy rain, low vis. (lightning)

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

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

Wind (speed & direction): 15-20 kt E 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

✓	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: Nothing in lander screens.

STARBOARD SCREEN CONTENTS: 2 horse shoe crab (21) whelk) debris

Estimate number entrained on this load for the following:
- Sturgeon (any species) ____
- Shark (any species) ____
- Horseshoe crab 2
- Blue crab ____

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

Comments: No known incidents

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

Observer's Name: E. Lane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 25 / Dec / 2006 LOAD #: 52

Times (24hrs): Start 1157 End 1320 Dump 1343

Location, Lat/Long: N 31 05 . 435 W 81 18 . 998

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: mud/silt
Weather conditions: overcast and rain limited visibility

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

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

Wind (speed & direction): SE 10 kts AIR TEMP: 65° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: 6 whelk - debris includes grasses, roots, wood plastics, rope, monofilament line, a shoe, a frisbee

STARBOARD SCREEN CONTENTS: 9 whelk - similar debris content

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: No known incidents

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

Observer's Name: Ed Cave Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 25 / Dec / 06 LOAD #: 53

Times (24hrs): Start 1402 End 1509 Dump 1529

Location, Lat/Long: N 31 05.835 W 81 19.768

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: mud/silt
Weather conditions: cloudy and misting at 1400

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

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

Wind (speed & direction): 5-10 AIR TEMP: 65° °C/°F(°F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

✓	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: 1 whelk debris

STARBOARD SCREEN CONTENTS: 1 blue crab 16 whelk debris

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab 1

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

Comments: No known incidents.

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

Observer's Name: L. Cane Observer firm Coastwise Cons

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 25 / Dec / 2006 LOAD #: 54

Times (24hrs): Start 1548 End 1717 Dump 1736

Location, Lat/Long: N 31 05 835 W 81 19 768

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Silt, Mud
Weather conditions: Partly cloudy, clearing, good visibility

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

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

Wind (speed & direction): 9-15 S AIR TEMP: 69 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 61 °C/(F) Column (mid-depth) 61 °C/(F) Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: horseshoe crabs, whelks, sponges, sea whip, trash

STARBOARD SCREEN CONTENTS: Blue crabs, horseshoe crabs, sea whip, woody debris, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 6
Blue crab 4

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: Charles Malay Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 29 / Dec 2006 LOAD #: 55

Times (24hrs): Start 1756 End 1928 Dump 1956

Location, Lat/Long: N ____ ____ W ____ ____

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: ____
Draghead deflector? YES ✓ NO ____ Condition of deflector: ____

Type of material dredged: silt, mud
Weather conditions: clearing, good visibility

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

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

Wind (speed & direction): SW 15-20 AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 61 °C/°F Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: blue crabs, trash, wood

STARBOARD SCREEN CONTENTS: blue crabs, horseshoe crabs, wood, trash

Estimate number entrained on this load for the following:
Sturgeon (any species) ____
Shark (any species) ____
Horseshoe crab 7
Blue crab 4

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: Charles Maloy Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 25 / Dec 2006 LOAD #: 56

Times (24hrs): Start 2021 End 2147 Dump 2212

Location, Lat/Long: N _____ W _____

Condition of screening: Port Good Starboard Good Overflow /

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: silt, mud

Weather conditions: clear, windy

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

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

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

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: _____

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab _____

Blue crab _____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO _____

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

Comments: _____

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

Observer's Name: _____ Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 25 / Dec / 2006 LOAD #: 57

Times (24hrs): Start 2233 End 2240 Dump 2242 0024

Location, Lat/Long: N _____ _____ W _____ _____

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: _____
Weather conditions: _____

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

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

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

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

SCREEN TYPE

✓	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: Debris

STARBOARD SCREEN CONTENTS: Debris

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: No known incidents

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

Observer's Name: C. Maley Observer firm Coastwise Consultants

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 7/6/2006 LOAD #: 58

Times (24hrs): Start 0045 End 0206 Dump 0232

Location, Lat/Long: N 31 05 000 W 81 20 003

Condition of screening: Port Good Starboard Good Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Mud / SILT
Weather conditions: scattered clouds / gusty winds from south

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

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

Wind (speed & direction): 12-18 S 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

✓	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: 1 Ray (unrecognizable) 3 whelk - debris

STARBOARD SCREEN CONTENTS: 7 whelk - debris

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

Comments: No known incidents. Traveling to dump on slow belt due / lack of aerial survey

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

Observer's Name: E. Came Observer firm Coastwise Consultants

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / 2006 LOAD #: 59

Times (24hrs): Start 0249 End 0414 Dump 0438

Location, Lat/Long: N 31 05 975 W 81 19 987

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: MUD / SILT
Weather conditions: scattered clouds / clearing overhead @ 0140

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

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

Wind (speed & direction): 10-15 S 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

✓	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: Debris

STARBOARD SCREEN CONTENTS: 3 horse shoe crab - Debris

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments: No incidents

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

Observer's Name: E. Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 26 / Dec / 2006 LOAD #: 61

Times (24hrs): Start 0707 End 0816 Dump

Location, Lat/Long: N 31 05 566 W 81 19 288

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Mud, Silt
Weather conditions: Windy with chop, good visibility, partly cloudy

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

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

Wind (speed & direction): 15-20 SW-W AIR TEMP: 14.5 (C) F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16 (°C) °F Column (mid-depth) ___ °C / °F Bottom ___ °C / °F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Benthic debris, trash, horseshoe crab, 3 whelks.

STARBOARD SCREEN CONTENTS: Trash, horseshoe crab,

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments:

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

Observer's Name: Charles Malley Observer firm Coastwise Consult.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 26 / Dec / 2006 LOAD #: 62

Times (24hrs): Start 0844 End 0951 Dump 1000

Location, Lat/Long: N 31 05 .566 W 81 19 .288

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt/mud
Weather conditions: Partly cloudy, good visibility

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

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

Wind (speed & direction): SW 15-25 AIR TEMP: _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: whelks, carpet piece

STARBOARD SCREEN CONTENTS: sticks, whelks, mud

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: No incidents

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / 2006 LOAD #: 63

Times (24hrs): Start 1019 End 1127 Dump 1140

Location, Lat/Long: N 31 04 .857 W 81 18 .002

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: silt, mud
Weather conditions: Partly cloudy, high visibility

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

Beaufort Sea States (Enter BSS 1-8) 5 Wave Height: 2-4 ft

Wind (speed & direction): SW 18-26 AIR TEMP: 13 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Trash, whelks, woody debris

STARBOARD SCREEN CONTENTS: horseshoe crab, whelks, ark clams

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 1
Blue crab ___

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

Comments: No known incidents

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

Observer's Name: Charles Meley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / 2006 LOAD #: 64

Times (24hrs): Start 1151 End 1313 Dump ~~1343~~ 1330

Location, Lat/Long: N 31 04 .725 W 81 17 .804

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt, mud
Weather conditions: clearing, Good visibility

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

Beaufort Sea States (Enter BSS 1-8) 4-5 Wave Height: 4' ft → 13°C in shade

Wind (speed & direction): SW 15-26 AIR TEMP: 20.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, whelks

STARBOARD SCREEN CONTENTS: whelks, wood, plastic trash, wood debris

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: Disposed of carapace fragment by breaking it into smaller pieces and dumping it with this load.

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / ____ LOAD #: 65

Times (24hrs): Start 1343 End 1454 Dump 1506

Location, Lat/Long: N 31 04 702 W 81 17 726

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: ____
Draghead deflector? YES ✓ NO ____ Condition of deflector: Good

Type of material dredged: ____
Weather conditions: ____

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

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

Wind (speed & direction): 19-26 AIR TEMP: 14 (°C) °F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: Sea whip, whelks, trash

STARBOARD SCREEN CONTENTS: Wood, shells, trash

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: No known incidents

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

Observer's Name: Charles Maly Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / 2006 LOAD #: 66

Times (24hrs): Start 1518 End _____ Dump _____

Location, Lat/Long: N _____ _____ W _____ _____

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt, mud
Weather conditions: Partly cloudy

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

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

Wind (speed & direction): 21-30 WSW AIR TEMP: 14 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: Debris

STARBOARD SCREEN CONTENTS: Debris - 3 horseshoe crabs

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 3
Blue crab _____

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

Comments: No known incidents

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

Observer's Name: E. Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 26 / Dec / 2006 LOAD #: 67

Times (24hrs): Start 1712 End 1915 Dump 2053

Location, Lat/Long: N _____ _____ W _____ _____

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: Good

Type of material dredged: mud/silt
Weather conditions: Heavy chop and strong winds @ 2000 hrs.

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

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

Wind (speed & direction): 15-20 SW AIR TEMP: 54.5° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: debris

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: Had downtime due to drag arm cable change.

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

Observer's Name: E. Cave Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / 2006 LOAD #: 68

Times (24hrs): Start 2108 End 2230 Dump 2241

Location, Lat/Long: N 31 04 620 W 81 17 567

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: mud / silt
Weather conditions: heavy chop w/ strong southerly wind (49°F @ 2200)

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

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

Wind (speed & direction): 15-20 S AIR TEMP: 51.5 °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: grass and plastic 3 horse shoe crab

STARBOARD SCREEN CONTENTS: 17 whelk, grass, wood, plastic

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments: No known incidents

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

Observer's Name: E. Cane Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec 2006 LOAD #: 69

Times (24hrs): Start 2257 End 0009 Dump 0022

Location, Lat/Long: N 31 05 011 W 81 18 291

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

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

Type of material dredged: MUD / SILT

Weather conditions: Partly cloudy

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

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

Wind (speed & direction): 15-20 S AIR TEMP: 50° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: bauxite debris, trash

STARBOARD SCREEN CONTENTS: horseshoe crab, wood, trash

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab 2
Blue crab

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

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

Comments: No incidents

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

Observer's Name: ___ Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 70

Times (24hrs): Start 0037 End 0156 Dump 0209

Location, Lat/Long: N 31 05 023 W 81 18 301

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Silt, Mud

Weather conditions:

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

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

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

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

SCREEN TYPE

✓ 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: 1 horseshoe crab, whelks, trash

STARBOARD SCREEN CONTENTS: Beach chair webbing, horseshoe crabs, benthic debris, wood trash

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab 3

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

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

Comments:

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

Observer's Name: Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 27 / Dec / 2006 LOAD #: 71

Times (24hrs): Start 0227 End _____ Dump _____

Location, Lat/Long: N 31 04 887 W 81 18 070

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: silt, mud

Weather conditions: Clearing

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

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

Wind (speed & direction): SSW 15-20 AIR TEMP: 9°C (48°F) °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: 1 horseshoe crab, 3 whelks

STARBOARD SCREEN CONTENTS: 2 horseshoe crabs, wood, plastic, whelks, jammed full

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: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 72

Times (24hrs): Start 0425 End 0614 Dump 0629

Location, Lat/Long: N 31° 04 667 W 81 17 680

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Silt, mud
Weather conditions: Clear

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

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

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

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Whelks, wood, trash

STARBOARD SCREEN CONTENTS: Horseshoe crab, crab trap whelks, cutlass fish, trash

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 2
Blue crab

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 27 / Dec 2006 LOAD #: 73

Times (24hrs): Start 0646 End 0749 Dump 0810

Location, Lat/Long: N 31 04.769 W 81 17 853

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

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

Type of material dredged: silt, Mud

Weather conditions: clearing

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

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

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

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: shell - debris

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 ✓

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

Comments: No Known incidents

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

Observer's Name: E. Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Birch Maint USACE District: SAV

Dredge Name: New Port Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 74

Times (24hrs): Start 0823 End 0937 Dump 0947

Location, Lat/Long: N 31 04.740 W 81 17 840

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: Good

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

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

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

Wind (speed & direction): 10-15 SSW AIR TEMP: 63.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: Debris

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: No aerial survey this day.

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

Observer's Name: E. Cane Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: B'wck Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 75

Times (24hrs): Start 1000 End 1115 Dump 1123

Location, Lat/Long: N 31 05.106 W 81 18.391

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

Number of dragheads in use: 2 Type of dragheads used: CAL. Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: MUD / SILT
Weather conditions: clear skies

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

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

Wind (speed & direction): 10-15 NW AIR TEMP: 70.5 in sun / 68°F in shade °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14.5 (C)/°F Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris

STARBOARD SCREEN CONTENTS: 4 horse shoe crabs 12 whelk debris

Estimate number entrained on this load for the following:
- Sturgeon (any species) ____
- Shark (any species) ____
- Horseshoe crab 4
- Blue crab ____

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

Comments: No known incidents

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

Observer's Name: Ed Cline Observer firm Coastwise

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 28 / Dec / 06 LOAD #: 76

Times (24hrs): Start 1138 End 1300 Dump 1311

Location, Lat/Long: N 31 04.882 W 81 18.088

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Mud / Silt

Weather conditions: Sunny & clear w/ seas decreasing

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

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

Wind (speed & direction): 5 kts S AIR TEMP: 74° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 14.5 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris —

STARBOARD SCREEN CONTENTS: Debris —
3 horseshoe crabs

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

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

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

Comments: T.t. sightings
times 38 - 29

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

Observer's Name: ___ Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 27 / Dec / 2006 LOAD #: 77

Times (24hrs): Start 1320 End 1443 Dump 1455

Location, Lat/Long: N 31 05 .415 W 81 18 .986

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud / SILT
Weather conditions: clear and mild

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

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

Wind (speed & direction): 0-5 S 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

✓	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: Debris

STARBOARD SCREEN CONTENTS: Debris

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: No known incidents.

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

Observer's Name: Ed Cone Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: MANSON

Date 27 / Dec / 06 LOAD #: 78

Times (24hrs): Start 1508 End 1710 Dump 1717

Location, Lat/Long: N 31 04 .855 W 81 17 .960

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud / SILT
Weather conditions: clear / calm

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

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

Wind (speed & direction): 0-5 AIR TEMP: 58 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Wood, ~~rock~~ Mud rock, ballastone, seashrimp, whelk, horseshoe crab

STARBOARD SCREEN CONTENTS: Trash, rope, whelks, mud ~~horseshoe crab~~

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab
Blue crab 4

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

Comments: Sturgeon A. OXYRHINCHUS (Atlantic Sturgeon) ID'd from photo

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

Observer's Name: Ed Cone Observer firm Coastwise Consultants

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 79

Times (24hrs): Start 1729 End 1963 Dump 1923

Location, Lat/Long: N 31 04.761 W 81 17.826

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Silt, Mud

Weather conditions: clear, calm

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

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

Wind (speed & direction): SSE 0-5 AIR TEMP: ___ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: whelks, wood, horseshoe crabs

STARBOARD SCREEN CONTENTS: whelks, wood trash

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

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

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 80

Times (24hrs): Start 1939 End 2050 Dump 2101

Location, Lat/Long: N 31 05 105 W 81 18 454

Condition of screening: Port Good Starboard Good Overflow

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Silt, mud
Weather conditions: Clear, calm

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

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

Wind (speed & direction): S 0-5 AIR TEMP: 55 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: rope, seawhip, woody trash, whelk

STARBOARD SCREEN CONTENTS: horseshoe crabs, whelks, ropes, woody debris, trash

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments:

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

Observer's Name: Charles Maley Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Maint. USACE District: SAV.

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec 2006 LOAD #: 81

Times (24hrs): Start 2217 End 2232 Dump 2249

Location, Lat/Long: N 31 05 483 W 81 18 425

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: silt, mud
Weather conditions: clear, calm

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

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

Wind (speed & direction): S 0-5 AIR TEMP: 13 C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: sticks, horseshoe crab, trash

STARBOARD SCREEN CONTENTS: horseshoe crabs, whelks, rope, trash

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 4
Blue crab ___

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

Comments:

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

Observer's Name: Charles Meley Observer firm Coastwise Consultants

Dredge Name: Newport Dredge Firm: Manson

Date 27 / Dec / 2006 LOAD #: 82

Times (24hrs): Start 2259 End 0017 Dump 0028

Location, Lat/Long: N 31 05 W 81 18

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

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

Type of material dredged: silt, mud

Weather conditions: clear, calm

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

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

Wind (speed & direction): SSW 0-5 AIR TEMP: 13°C °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Whelk, trash, wood debris

STARBOARD SCREEN CONTENTS: Clogged with trash, whelks, benthic debris

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: ___

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 2006 LOAD #: 83

Times (24hrs): Start 0045 End 0204 Dump 0213

Location, Lat/Long: N 31 05 130 W 81 18 470

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:

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

Type of material dredged: Mud / SILT

Weather conditions: Clear

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

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

Wind (speed & direction): 0-5 NE AIR TEMP: 57° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: Debris

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: No incidents

Dredge Name: NewPort Dredge Firm: MANSON

Date 28 / Dec / 2006 LOAD #: 84

Times (24hrs): Start 0220 End 0350 Dump 0402

Location, Lat/Long: N 31 05 142 W 81 18 455

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

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

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

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

Wind (speed & direction): N 0-3 AIR TEMP: 56° °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: Debris

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: No known incidents

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 2006 LOAD #: 85

Times (24hrs): Start 0415 End 0609 Dump 0617

Location, Lat/Long: N 31 05 .204 W 81 18 .625

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: Mud / SILT
Weather conditions: clear + calm

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

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

Wind (speed & direction): 5Kts S AIR TEMP: 57° °C / °F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: whelk - debris

STARBOARD SCREEN CONTENTS: 3 horse shoe crab, 14 whelk

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments: No known incidents

Dredge Name: Newport Dredge Firm: Manson

Date 28 / Dec / 06 LOAD #: 86

Times (24hrs): Start 0631 End 0745 Dump 0754

Location, Lat/Long: N 31 04 774 W 81 17 861

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: mud / SILT
Weather conditions: clear / calm

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

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

Wind (speed & direction): 5-10 SSW AIR TEMP: 56° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: 4 whelk 2 Horse shoe Crabs

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 2
Blue crab ___

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

Comments: Charles Maby departs Andrew Brown arrives 0730

Dredge Name: Newport Dredge Firm: Manson

Date 26 / Dec / 2006 LOAD #: 87

Times (24hrs): Start 0805 End 0915 Dump 0923

Location, Lat/Long: N 31 05 . W 81 18 .

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: MUD / SILT
Weather conditions: clear skies winds now out of the north

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

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

Wind (speed & direction): 10 Kts N AIR TEMP: 74° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 15° °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: 6 whelk 2 horseshoe crabs debris

STARBOARD SCREEN CONTENTS: 6 horseshoe crabs 14 whelk debris

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 8
Blue crab ___

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

Comments: No known incidents

Dredge Name: Newport Dredge Firm: MANSON

Date 28/ Dec/ 2004 LOAD #: 88

Times (24hrs): Start 0935 End 1042 Dump

Location, Lat/Long: N 31 01 .817 W 81 18 .010

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: MUD SILT
Weather conditions: clear 75° in the sun winds NE 10-14 K
Seas 2'

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

Beaufort Sea States (Enter BSS 1-9) 2-3 Wave Height: 2-3' ft

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

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

SCREEN TYPE

✓	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 - H'shoe Crabs, debris

STARBOARD SCREEN CONTENTS: MUD, H'shoe Crabs - SMALL UNID. FISH

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species) Ø
Horseshoe crab 4
Blue crab 1

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

Comments: TT 1028 ~5 by dig

Dredge Name: Newport Dredge Firm: MANSON

Date 12 / 28 / 06 LOAD #: 89

Times (24hrs): Start 1103 End 1223 Dump 1234

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port Good OK Starboard OK Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: _____

Type of material dredged: MUD
Weather conditions: Clear

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

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

Wind (speed & direction): NNE 12-14 AIR TEMP: 74°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: MUD, shell & 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: 1156 5 Tt at dig area

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 06 LOAD #: 90

Times (24hrs): Start 1247 End 1401 Dump 1412

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port OK Starboard OK Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD
Weather conditions: Clear

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

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

Wind (speed & direction): Westerly 10-13K AIR TEMP: 73°F °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: h'shoe crabs - small shark - whelks & debris

STARBOARD SCREEN CONTENTS: whelk, debris

Estimate number entrained on this load for the following:

Sturgeon (any species) —
Shark (any species) 1 unidentified
Horseshoe crab 3
Blue crab —

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

Comments: Ø

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 06 LOAD #: 91

Times (24hrs): Start 1426 End 1534 Dump 1544

Location, Lat/Long: N ____ ____ W ____ ____

Condition of screening: Port OK Starboard OK Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: ____
Draghead deflector? YES ✓ NO ____ Condition of deflector: ____

Type of material dredged: ____
Weather conditions: ____

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

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

Wind (speed & direction): NW 10-12 K AIR TEMP: 69°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: H'Shoe Crab - debris

STARBOARD SCREEN CONTENTS: debris - shells

Estimate number entrained on this load for the following:

Sturgeon (any species) —
Shark (any species) —
Horseshoe crab 5
Blue crab ____

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

Comments: ____

Ø

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 06 LOAD #: 92

Times (24hrs): Start 1550 End 1646 Dump 1658

Location, Lat/Long: N 31 05 340 W 81 18 838

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: Good

Type of material dredged: MUD
Weather conditions: Clear

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

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

Wind (speed & direction): Northerly 10-12 AIR TEMP: 71°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14.5 °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: _____

STARBOARD SCREEN CONTENTS: 1 horse shoe crab (football - some debris (Reset locking mechanism)

Estimate number entrained on this load for the following:

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

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

Comments: No Aerial survey today

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 2004 LOAD #: 93

Times (24hrs): Start 1710 End 1850 Dump 1900

Location, Lat/Long: N 31 04 734 W 81 17 784

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: good

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

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

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

Wind (speed & direction): 10 Kts N AIR TEMP: 62.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14.5 (°C)/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: 3 horseshoe crab 6 whelk debris

Estimate number entrained on this load for the following:

Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

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

Comments: No known incidents

Dredge Name: Newport Dredge Firm: MANSON

Date 28/ Dec 2006 LOAD #: 94

Times (24hrs): Start 1946 End 2033 Dump 2043

Location, Lat/Long: N 31 04 691 W 81 17 706

Condition of screening: Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Mud / silt
Weather conditions: clear

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

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

Wind (speed & direction): 5-10 NW AIR TEMP: 61.5 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 14.5 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: rock (cement) debris (minimal)

STARBOARD SCREEN CONTENTS: whelk + debris

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: No known incidents

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 06 LOAD #: 95

Times (24hrs): Start 2058 End 2207 Dump 2218

Location, Lat/Long: N 31 04 587 W 81 17 727

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

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: MUD SILT
Weather conditions: clear

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

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

Wind (speed & direction): 10 Kts NNW AIR TEMP: 62.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14.5 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Debris

STARBOARD SCREEN CONTENTS: Debris

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:

Dredge Name: Newport Dredge Firm: MANSON

Date 28 / Dec / 06 LOAD #: 96

Times (24hrs): Start 2233 End 2342 Dump

Location, Lat/Long: N 31 04 .675 W 81 17 .713

Condition of screening: Port Good Starboard Good Overflow NA

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

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

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

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

Wind (speed & direction): 10 Kts NNW AIR TEMP: 62.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14.5 °C/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: grass

STARBOARD SCREEN CONTENTS: bubbs 8 whelk 3 horseshoe crabs

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 3
Blue crab

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

Comments: No known incidents

Dredge Name: Newport Dredge Firm: MANSON

Date 29 / Dec / 06 LOAD #: 97

Times (24hrs): Start 0010 End 0139 Dump _____

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening : Port _____ Starboard _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD
Weather conditions: _____

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

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

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

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

SCREEN TYPE

✓	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: H'shoe Crab - debris

STARBOARD SCREEN CONTENTS: H.shoe - shell, debris

Estimate number entrained on this load for the following:

Sturgeon (any species) _____
Shark (any species) 1 UNID.
Horseshoe crab 5
Blue crab 0

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

Comments: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 29 / Dec / 06 LOAD #: 99

Times (24hrs): Start 0355 End 0521 Dump 0537

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port OK Starboard OK Overflow _____

Number of dragheads in use: 2 Type of dragheads used: _____ Size of dragheads: _____
Draghead deflector? YES ___ NO ___ Condition of deflector: _____

Type of material dredged: mud, clay, Silt
Weather conditions: _____

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

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

Wind (speed & direction): NE 10-13 K AIR TEMP: _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Shells, whelk, h'shoe crab + debris

STARBOARD SCREEN CONTENTS: debris, shells

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

Comments: Clean load

Dredge Name: Newport Dredge Firm: MANSON

Date 29 / Dec / 06 LOAD #: 100

Times (24hrs): Start 0546 End 0653 Dump 0709

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port OK Starboard OK Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD, clay, silt
Weather conditions: _____

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

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

Wind (speed & direction): 6-8 AIR TEMP: 64 °F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14.5°C °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: MUD, 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: ∅

Dredge Name: Newport Dredge Firm: MANSON

Date 29 / Dec / 06 LOAD #: 100

Times (24hrs): Start 0715 End 0720 Dump 0736

Location, Lat/Long: N STA 29-35 W

Condition of screening: Port OK Starboard OK Overflow –

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector: OK

Type of material dredged: MUD, clay & silt
Weather conditions: Winds NNE

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

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

Wind (speed & direction): NNE 6-8-14 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

✓	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: Shells, h'shoe crab, scallops, debris

STARBOARD SCREEN CONTENTS: Shells & debris, pen shells

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: Abreviated cycle - due to need for Survey
And #98 load - turtle take -

Dredge Name: Newport Dredge Firm: MANSON

Date 12 / 29 / 06 LOAD #: 102

Times (24hrs): Start 1834 End 1949 Dump 2017

Location, Lat/Long: N STA. 19+00 → 29+00 W

Condition of screening: Port GOOD Starboard GOOD Overflow

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ 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 (Enter BSS 1-8) ___ Wave Height: ___ ft

Wind (speed & direction): ENE 10-12 AIR TEMP: 46 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° (°C)/°F Column (mid-depth) 13° (°C)/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: hs crab - debris

STARBOARD SCREEN CONTENTS: hs crab - shell & debris

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: Ships thermometer NOT tied on well, knot slipped, "deep sixed"
Temp. taken AT ANCHOR, INSIDE ON SE SIDE of ST. SIMONS Island
ON HOOK ~0800 → ~1700.
* DMAR THE UNDUCTED [illegible]

Dredge Firm: MANSON

Date 31 / DEC / 2006 LOAD #: 104

Times (24hrs): Start 0754 End 0826 Dump 0837

Location, Lat/Long: N _____ W _____ STA. 29 → 38

Condition of screening: Port GOOD Starboard GOOD Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: MOSTLY CLOUDY,

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

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

Wind (speed & direction): ENE 5-10 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

✓	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: fabric, 2 HS crabs (listed below), whelk shell, plastic jug

STARBOARD SCREEN CONTENTS: fabric, whelk shell, plastic

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 ✓

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

Comments:

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / DEC / 2006 LOAD #: 105

Times (24hrs): Start 0850 End 0930 Dump 0950

Location, Lat/Long: N _____ _____ W _____ _____ STA. 29-7.38

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): ENE 5-10 AIR TEMP: 77 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

✓	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: whelk shell, fabric

STARBOARD SCREEN CONTENTS: 3 HS crab (listed below), fabric, can

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / DEC / 2006 LOAD #: 106

Times (24hrs): Start 1012 End 1044 Dump 1053

Location, Lat/Long: N _____ W _____ STA 29→38

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): ENE 5-10 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

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

PORT SCREEN CONTENTS: trash

STARBOARD SCREEN CONTENTS: 2 BIG HS CRABS (listed below)
rubber hose, grasses, trash

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / DEC / 2004 LOAD #: 107

Times (24hrs): Start 1104 End 1147 Dump 1209

Location, Lat/Long: N _____ W _____ STA. 29 → 38

Condition of screening: Port GOOD Starboard GOOD Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): E 5-10 AIR TEMP: 80 °C (F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: HSC, SCAllops, Shells & debris

STARBOARD SCREEN CONTENTS: Scallops, shells, debris

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 6 (Six)
Blue crab 0

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

Comments: DIGGING STBD ARM ONLY ON TOW WHILE TRAWLER DOWN FOR SOME REASON.

1145 TT ~~9~~ AT dig site

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec / 06 LOAD #: 108

Times (24hrs): Start 1232 End 1315 Dump 1324

Location, Lat/Long: N 31 04 521 W 81 17 474 STA 29-38

Condition of screening: Port OK Starboard OK Overflow ✓

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: MUD & silt
Weather conditions: high overcast

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

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

Wind (speed & direction): NE 5-6 K 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

✓	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: hsc - shell - scallops - debris

STARBOARD SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species)
Shark (any species)
Horseshoe crab 4
Blue crab

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

Comments:

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec / 06 LOAD #: 109

Times (24hrs): Start 1349 End 1427 Dump 1439

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port OK Starboard OK Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

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

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

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

Wind (speed & direction): NE 8-9 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 _____

SCREEN TYPE

✓	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: debris + shell

STARBOARD SCREEN CONTENTS: clay balls - debris

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec / 06 LOAD #: 110

Times (24hrs): Start 1448 End 1537 Dump 1548

Location, Lat/Long: N _____ _____ W _____ _____ STA 29-38

Condition of screening: Port OK Starboard OK Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: _____
Weather conditions: _____

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

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

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

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

SCREEN TYPE

✓	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

STARBOARD SCREEN CONTENTS: debris

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: temporarily interupted by a comm. vessle, then back to the dig

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec / 06 LOAD #: 111

Times (24hrs): Start 1607 End 1642 Dump 1652

Location, Lat/Long: N _____ W _____ STA 29-38

Condition of screening: Port OK Starboard OK Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ____ Condition of deflector: _____

Type of material dredged: MUD + Clay
Weather conditions: Overcast

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

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

Wind (speed & direction): ENE 10-12 AIR TEMP: 71°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

✓	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: Wood - Clay

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: Ø

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec / 06 LOAD #: 112

Times (24hrs): Start 1710 End 1745 Dump 1957

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port OK Starboard OK Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: mud + clay
Weather conditions: high oc

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

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

Wind (speed & direction): NE 9-12 AIR TEMP: 69°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 14°C °C/°F Column (mid-depth) _____ °C/°F Bottom _____

SCREEN TYPE

✓	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 + shell

STARBOARD SCREEN CONTENTS: shell + debris

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec 06 LOAD #: 113

Times (24hrs): Start 1808 End 1847 Dump ~~1859~~ 1907

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port OK Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD + clay
Weather conditions: OC

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

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

Wind (speed & direction): _____ 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

✓	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 - shells

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:

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

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

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

Comments: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / DEC / 06 LOAD #: 114

Times (24hrs): Start 1923 End 2003 Dump 2031

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD + clay
Weather conditions: overcast

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

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

Wind (speed & direction): _____ AIR TEMP: 68°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 140 (C) °F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris HS crab

STARBOARD SCREEN CONTENTS: debris

Estimate number entrained on this load for the following:

Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 8
Blue crab _____

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

Comments: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 21 / Dec / 06 LOAD #: 115

Times (24hrs): Start 2039 End 2152 Dump 2211

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: mud + clay
Weather conditions: OC

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

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

Wind (speed & direction): ESE 10K AIR TEMP: 67°F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: NOT in USE

STARBOARD SCREEN CONTENTS: pen shell & debris

Estimate number entrained on this load for the following:

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

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

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

Comments: 0

Dredge Name: Newport Dredge Firm: MANSON

Date 31 / Dec / 06 LOAD #: 116

Times (24hrs): Start 2218 End 2338 Dump 2348

Location, Lat/Long: N _____ _____ W _____ _____ STA 29→38

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

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

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

Wind (speed & direction): ENE 12-13 AIR TEMP: 60. °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F Column (mid-depth) _____ °C/°F Bottom _____

SCREEN TYPE

✓	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: N/A

STARBOARD SCREEN CONTENTS: fabric, pretty clean

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

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

Comments: DIGGING STBD ARM ONLY

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007! LOAD #: 117

Times (24hrs): Start 23 End 0118 Dump 0133

Location, Lat/Long: N _____ _____ W _____ _____ STA 29-738

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

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

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

Wind (speed & direction): light airs 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

✓	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: N/A

STARBOARD SCREEN CONTENTS: HS CRAB (5) - listed below

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species) Ø
Horseshoe crab 5 HS 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: Happy New Year! DIGGING STBD ARM ONLY

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

Observer's Name: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 118

Times (24hrs): Start 0155 End 0237 Dump 0248

Location, Lat/Long: N _____ _____ W _____ _____ STA 29→38

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY w/ INTERMITTENT SQUALLS

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

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

Wind (speed & direction): light airs 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

✓	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: 2 HS crab (listed below), plastic bucket lid

STARBOARD SCREEN CONTENTS: CLAY, trash

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: USED BOTH ARMS

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

Observer's Name: GATZKE Observer firm Coastwise Consultin

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 119

Times (24hrs): Start 0304 End 0347 Dump 0359

Location, Lat/Long: N ____ ____ W ____ ____ STA 29 → 36

Condition of screening: Port GOOD Starboard GOOD Overflow ____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: ____
Draghead deflector? YES ✓ NO ____ Condition of deflector: GOOD

Type of material dredged: MUD w/ little CLAY
Weather conditions: CLOUDY w/ RAIN

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

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: light swell ft

Wind (speed & direction): light airs AIR TEMP: 69 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: TRASH, GRASS

STARBOARD SCREEN CONTENTS: TRASH, GRASS, CLAY

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: HEAVIER DEBRIS THIS LOAD - NO PRESSURE IN FIRE HOSES
MATE, DRAGTENDER + AB WORK TO INCREASE HOSE PRESSURE.

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

Observer's Name: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 120

Times (24hrs): Start 0418 End 0503 Dump 0515

Location, Lat/Long: N _____ _____ W _____ _____ STA 29→38

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD w/ CLAY
Weather conditions: RAIN

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

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: light swell

Wind (speed & direction): 5-10 E/14 AIR TEMP: 67 °C/°F °C/(°F) = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: HS crab (2)

STARBOARD SCREEN CONTENTS: CLAY, trash

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: DIGGING ON PORT ARM FOR PART OF LOAD

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

Observer's Name: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 121

Times (24hrs): Start 0527 End 0601 Dump 0625

Location, Lat/Long: N _____ _____ W _____ _____ STA 29->36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD W SOME CLAY
Weather conditions: CLOUDY

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

Beaufort Sea States (Enter BSS 1-8) 1-2 Wave Height: light swell

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

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

SCREEN TYPE

✓	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: plastic, wood

STARBOARD SCREEN CONTENTS: WOOD, trash

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: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 122

Times (24hrs): Start 0640 End 0713 Dump 0731

Location, Lat/Long: N _____ _____ W _____ _____ STA 29->36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

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

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash

STARBOARD SCREEN CONTENTS: trash, rock, shell

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO 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: GATLKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 123

Times (24hrs): Start 0743 End 0820 Dump 0838

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

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

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

Wind (speed & direction): W 5-10 AIR TEMP: 69 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 (C) °F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash

STARBOARD SCREEN CONTENTS: 1 HS crab, grass, trash, shell

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: 0810 1 UNID TURTLE (JUVENILE/SUBADULT) BY BUOY 5 (ORANGEISH IN COLOR); SURFACED TWICE - PROBABLE LOGGERHEAD?
0817 2 ft. few hundred yards NW of buoy 5

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

Observer's Name: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 124

Times (24hrs): Start 0850 End 0921 Dump 0948

Location, Lat/Long: N _____ _____ W _____ _____ STA 29-36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

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

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

Wind (speed & direction): SW 5-10 AIR TEMP: 69 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: grass, plastic

STARBOARD SCREEN CONTENTS: palm tree, WOOD, 1 HS crab, shell

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: 2 Tt. 0902 porpoising & tail slapping few hundred yards NW of buoy 4 ?

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

Observer's Name: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 125

Times (24hrs): Start 1001 End 1038 Dump 1057

Location, Lat/Long: N _____ _____ W _____ _____ STA 29 → 34

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): WSW AIR TEMP: 71 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: grass, fishing line

STARBOARD SCREEN CONTENTS: fishing line, grass, rock, shell

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO 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: GATZKE Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 2007 LOAD #: 126

Times (24hrs): Start 1108 End 1149 Dump 1209

Location, Lat/Long: N _____ _____ W _____ _____ STA.

Condition of screening: Port GOOD Starboard GOOD Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

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

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

Wind (speed & direction): S 5-10 AIR TEMP: 71 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris & shell

STARBOARD SCREEN CONTENTS: H's crabs - whelk - debris ✓

Estimate number entrained on this load for the following:
Sturgeon (any species) —
Shark (any species) —
Horseshoe crab 8
Blue 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: GATZKE / BROWN Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 07 LOAD #: 127

Times (24hrs): Start 1236 End 1313 Dump 1350

Location, Lat/Long: N 31 06 223 W 81 20 368

Condition of screening: Port _____ Starboard _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: _____
Weather conditions: _____

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

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

Wind (speed & direction): S 8-10 AIR TEMP: 73° °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14° °C/°F Column (mid-depth) ~~73~~ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: N/A

STARBOARD SCREEN CONTENTS: 4s crabs - wood, shell & debris

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 7
Blue crab _____

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

Comments: Moved to inner part of dig @ crew boat's request. Working on I arm due to trawler absence - for net pick-

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

Observer's Name: A. Brown Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 01 / JAN / 07 LOAD #: 128

Times (24hrs): Start 1410 End 1513 Dump _____

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD & Silt
Weather conditions: Overcast

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

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

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

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

SCREEN TYPE

✓	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: NOT in use - No trawler Shells + debris

½ way thru, switched to port

STARBOARD SCREEN CONTENTS: HS crabs

Estimate number entrained on this load for the following:

Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 4
Blue crab _____

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

Comments: _____

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

Observer's Name: A. BROWN Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 1 / JAN / 07 LOAD #: 129

Times (24hrs): Start 1603 End 1644 Dump _____

Location, Lat/Long: N [redacted] _____ W _____

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: _____
Weather conditions: _____

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

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

Wind (speed & direction): NNW 8-11K AIR TEMP: 67 °F °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 14°C °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: debris hscrabs Shells

STARBOARD SCREEN CONTENTS: _____

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 3
Blue crab _____

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

Comments: TT 6 1642 by dig area

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

Observer's Name: A. Brown Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 01 / JAN / 07 LOAD #: 130

Times (24hrs): Start 1722 End 1800 Dump 1811

Location, Lat/Long: N STA 29-38 W

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO ___ Condition of deflector:

Type of material dredged: Clay + MUD
Weather conditions:

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

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

Wind (speed & direction): NW 9-11 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

✓	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: Agaabs - Debris

STARBOARD SCREEN CONTENTS: Heavy load Clay

Estimate number entrained on this load for the following:
Sturgeon (any species)
Shark (any species)
Horseshoe crab 4
Blue crab

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

Comments:

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

Observer's Name: A Brown Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 01 / JAN 07 LOAD #: 131

Times (24hrs): Start 1830 End 1909 Dump _____

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port ✓ Starboard ✓ Overflow ___

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

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

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

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

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

WATER TEMP: Surface 14 °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Hs crabs - clay - shell

STARBOARD SCREEN CONTENTS: Hs crab clay - debris

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 3
Blue crab _____

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

Comments: _____

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

Observer's Name: A. BROWN Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 01 / Jan 07 LOAD #: 132

Times (24hrs): Start 1934 End 2011 Dump _____

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port ✓ Starboard ✓ Overflow ___

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD + clay
Weather conditions: OC

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

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

Wind (speed & direction): NW 12-14 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

✓	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: hs crabs debris

STARBOARD SCREEN CONTENTS: — — clay

Estimate number entrained on this load for the following:
Sturgeon (any species) _____
Shark (any species) _____
Horseshoe crab 3
Blue crab _____

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

Comments: _____

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

Observer's Name: A Brown Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 01 / JAN / 2007 LOAD #: 133

Times (24hrs): Start 2049 End 2130 Dump _____

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port _____ Starboard _____ Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: mud + clay
Weather conditions: OC

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

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

Wind (speed & direction): NW 9-12 AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

✓	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: debris & mud

STARBOARD SCREEN CONTENTS: Ø

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES _____ NO 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: A. BRAUN Observer firm Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: BRUNSWICK, Maint USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Date 01 / jan / 07 LOAD #: 134

Times (24hrs): Start 2207 End 2253 Dump 23

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: mud + clay
Weather conditions: _____

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

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

Wind (speed & direction): NW 9-11 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

✓	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: debris & shells

STARBOARD SCREEN CONTENTS: _____

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

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

Comments: _____

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

Observer's Name: A. BROWN Observer firm Coastwise Consulting

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 135

Times (24hrs): Start 2334 End 0007 Dump 0034

Location, Lat/Long: N _____ _____ W _____ _____ STA 29-736

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): NW 8-12 K AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: grasses, fishing line

STARBOARD SCREEN CONTENTS: 1 HS 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: pretty clean

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 136

Times (24hrs): Start 0046 End 0122 Dump 0151

Location, Lat/Long: N _____ _____ W _____ _____ STA 29→36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): NW 5-10 AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: grass

STARBOARD SCREEN CONTENTS: HS crab (1), rock

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: ~~[illegible]~~ 137

Times (24hrs): Start 0204 End 0241 Dump 0309

Location, Lat/Long: N _____ _____ W _____ _____ STA. 29 → 36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): _____ AIR TEMP: 56 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: Ø

STARBOARD SCREEN CONTENTS: grasses

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) Ø

Horseshoe crab _____

Blue crab _____

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

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

Comments: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 138

Times (24hrs): Start 0342 End 0429 Dump 0440

Location, Lat/Long: N _____ _____ W _____ _____ STA. 29→36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: CLOUDY

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

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

Wind (speed & direction): N'4 15 AIR TEMP: 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

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:

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 139

Times (24hrs): Start 0500 End 0545 Dump 0556

Location, Lat/Long: N _____ W _____ SEA 29→36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: CLOUDY

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

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

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

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

SCREEN TYPE

✓	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: 1 45 crab

STARBOARD SCREEN CONTENTS: Ø

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 140

Times (24hrs): Start 0611 End 0646 Dump 0704

Location, Lat/Long: N _____ _____ W _____ _____ SPA 29→36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: CLOUDY

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

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

Wind (speed & direction): W'ly 10-15 AIR TEMP: 52 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: plastic bucket lid

STARBOARD SCREEN CONTENTS: trash, grass

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab Ø

Blue crab _____

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

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

Comments: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 141

Times (24hrs): Start 0716 End 0754 Dump 0811

Location, Lat/Long: N _____ _____ W _____ _____ STA 29 → 36

Condition of screening : Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: CLOUDY

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

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

Wind (speed & direction): W'ly 10-15 AIR TEMP: 55 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 (°C)/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Ø

STARBOARD SCREEN CONTENTS: Ø

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

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

Comments: NO AERIAL SURVEY AGAIN TODAY

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2001 LOAD #: 142

Times (24hrs): Start 0822 End 0857 Dump 0914

Location, Lat/Long: N _____ _____ W _____ _____

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: PARTLY CLOUDY

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

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

Wind (speed & direction): W'ly 10-15 AIR TEMP: 62 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS: trash

STARBOARD SCREEN CONTENTS: trash

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 2 JAN / 2007 LOAD #: 143

Times (24hrs): Start 0930 End 1008 Dump 1025

Location, Lat/Long: N _____ _____ W _____ _____ STA 29→36

Condition of screening: Port GOOD Starboard GOOD Overflow _____

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____

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

Type of material dredged: MUD

Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): NW 10-15 AIR TEMP: 71 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14 (C)/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Clay, rock, grass

STARBOARD SCREEN CONTENTS: 2 HS crab

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: _____

Dredge Name: Newport Dredge Firm: MANSON

Date 2 / JAN / 2007 LOAD #: 144

Times (24hrs): Start 1037 End 1117 Dump

Location, Lat/Long: N W STA 29→34

Condition of screening: Port GOOD Starboard GOOD Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads:
Draghead deflector? YES ✓ NO Condition of deflector: GOOD

Type of material dredged: MUD
Weather conditions: MOSTLY CLOUDY

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

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

Wind (speed & direction): NW 10 kt AIR TEMP: 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT SCREEN CONTENTS:

STARBOARD SCREEN CONTENTS: 2 small pieces of WOOD

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

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

Comments: DIGGING STBD ONLY - TRAWLER ENGINE DOWN

Dredge Name: Newport Dredge Firm: MANSON

Date 02 / jan / 07 LOAD #: 145

Times (24hrs): Start 1147 End 1306 Dump 1316

Location, Lat/Long: N _____ _____ W _____ _____ STA 29-36

Condition of screening: Port ✓ Starboard ✓ Overflow —

Number of dragheads in use: 2 Type of dragheads used: CAL Size of dragheads: _____
Draghead deflector? YES ✓ NO ___ Condition of deflector: _____

Type of material dredged: MUD & Silt
Weather conditions: OC

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

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

Wind (speed & direction): NW 10-13 AIR TEMP: 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 14°C °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

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: one arm

Seas 3-5'

Water Temp. (Surface): 14°C Time: 1354 (Below Mid-Depth): _____ Tide Stage SLACK → FLO Time: _____

Load # 146 Date 02 JAN 07 Start 1354 End 1428 Dump 1441

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead OK

Stbd Draghead OK Deflector ✓

Port Inflow, Mid HS crab, debris Deflector ✓

~~Port Inflow, Aft~~

Stbd Inflow, Mid Shell & debris

~~Stbd Inflow, Aft~~

Comments fairly clean load

Load # 147 Date 02 JAN 07 Start 1515 End 1553 Dump 1611

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ✓

Stbd Draghead ✓ Deflector ✓

Port Inflow, Mid HS crab debris + shell Deflector ✓

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Load # 148 Date 02 JAN 07 Start 1644 End 1719 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ✓

Stbd Draghead ✓ Deflector: ✓

Port Inflow, Mid HS horse crabs & debris Deflector ✓

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): 14°C Time: _____ (Below Mid-Depth): _____ Tide Stage: Flooding Time: _____

Load # 149 Date 2 JAN 07 Start 1809 End 1830 Dump 1849

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ✓ Deflector ✓
Sbd Draghead ✓ Deflector ✓
Port Inflow, Mid Wood, Shells & debris
~~Port Inflow, Aft~~
Sbd Inflow, Mid
~~Sbd Inflow, Aft~~
Comments

Load # 150 Date 02 JAN 07 Start 1914 End 1951 Dump 2022

Are there incidents involving endangered or protected species? SLACK Yes No

Note biological samples:

Port Draghead ✓ Deflector ✓
Sbd Draghead ✓ Deflector ✓
Port Inflow, Mid grasses - wood - debris
~~Port Inflow, Aft~~
Sbd Inflow, Mid Blue crabs - Hs Crabs - wood + debris
~~Sbd Inflow, Aft~~
Comments

Load # 151 Date 02 JAN 07 Start 2100 End 2152 Dump 2227

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ✓ Deflector ✓
Sbd Draghead ✓ Deflector ✓
Port Inflow, Mid grasses wood shell & debris
~~Port Inflow, Aft~~
Sbd Inflow, Mid
~~Sbd Inflow, Aft~~
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): 14oC Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 152 Date begin 03/JAN/07 Start 2258 End 0011 Dump 0100

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead Ø Deflector 600L

Stbd Draghead Ø Deflector 600R

Port Inflow, Mid ~~[illegible]~~ 2 HS crab, WOOD, grass

~~Port Inflow, Aft~~

Stbd Inflow, Mid ~~[illegible]~~ 2 HS crab, WOOD, grass

~~Stbd Inflow, Aft~~

Comments

Load # 153 Date 3 / JAN / 07 Start 0122 End 0216 Dump 0302

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid grass

~~Port Inflow, Aft~~

Stbd Inflow, Mid grass + WOOD, 1 HS crab.

~~Stbd Inflow, Aft~~

Comments

Load # 154 Date 13 / JAN 07 Start 0319 End 0409 Dump 0456

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid grasses, trash

~~Port Inflow, Aft~~

Stbd Inflow, Mid Shrimp boat, WOOD, trash

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
Ø		

104° AIR

Water Temp. (Surface): 14°C Time: 0900 (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 155 Date 3 JAN 2007 Start 0512 End 0548 Dump 0623

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid
~~Port Inflow, Aft~~ fabric, trash
Stbd Inflow, Mid 2 HS crab, fabric
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector ✓

Load # 156 Date 3 JAN 2007 Start 0641 End 0759 Dump 0857

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid fabric, trash, shell
~~Port Inflow, Aft~~
Stbd Inflow, Mid fabric, trash, shell
~~Stbd Inflow, Aft~~
Comments longer load due to crew change

Deflector ✓
Deflector ✓

Load # 157 Date 3 JAN 2007 Start 0851 End 0935 Dump 1001

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid fabric, 2 stingrays (actually clearnose skates)
~~Port Inflow, Aft~~
Stbd Inflow, Mid Assorted inverts, trash, grass
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector ✓

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

77° AIR

Water Temp. (Surface): 14°C Time: 0900 (Below Mid-Depth): _____ Tide Stage: 0 → Flood Time: 1252

Load # 158 Date 3 / JAN / 2007 Start 1017 End 1114 Dump 1141

Were there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid _____

~~Port Inflow, Aft~~ grass, WOOD

Stbd Inflow, Mid BIG BLUE CRAB,

~~Stbd Inflow, Aft~~ _____

Comments 2-3 Ft. - 1030 → in dig area (2-3)

Load # 159 Date 03 jan / 07 Start 1156 End 1256 Dump 1322

Were there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ✓

Stbd Draghead ✓ Deflector ✓

Port Inflow, Mid Debris + Shells Deflector ✓

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid Skate, whelks, shells + debris

~~Stbd Inflow, Aft~~ _____

Comments _____

Load # 160 Date 03 jan / 07 Start 1345 End 1444 Dump _____

Were there incidents involving endangered or protected species? Yes No NE 11-13K

Note biological samples:

Port Draghead Ø

Stbd Draghead _____ Deflector ✓

Port Inflow, Mid Hshoe crab Deflector ✓

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid + debris

~~Stbd Inflow, Aft~~ _____

Comments pulled up for cargo ship to pass, then back to work.

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
Ft	2-3	DIG AREA ~1030

Water Temp. (Surface): 14°C Time: _____ (Below Mid-Depth): _____ Tide Stage: Flooding Time: _____

Load # 161 Date 03jan07 Start 1538 End 1618 Dump 1651

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid debris Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid HS crab + debris
~~Stbd Inflow, Aft~~
Comments

Load # 162 Date 03jan07 Start 1707 End 1741 Dump 1750

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid Debris + sheet Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments

Load # 163 Date 03jan07 Start 1805 End 1838 Dump 1846

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead
Stbd Draghead _____ Deflector _____
Port Inflow, Mid _____ Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): 14°C Time: _____ (Below Mid-Depth): _____ Tide Stage: Flooding Time: _____

Load # 164 Date 3 jan 07 Start 1903 End 1941 Dump 1953

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid _____

~~Port Inflow, Aft~~

Stbd Inflow, Mid Clay, shell & debris

~~Stbd Inflow, Aft~~

Comments _____

Load # 165 Date 3 jan 07 Start 2005 End 2045 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead ∅ Deflector _____

Port Inflow, Mid Debris & shell

~~Port Inflow, Aft~~

Stbd Inflow, Mid _____

~~Stbd Inflow, Aft~~

Comments _____

Load # 1166 Date 3 jan 07 Start 2114 End 2150 Dump 2209

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid debris & shell & stone

~~Port Inflow, Aft~~

Stbd Inflow, Mid Skate - wheels - debris - stone

~~Stbd Inflow, Aft~~

Comments _____

Species ∅ #of Animals _____ Bridge Watch Summary Time/Location/Comments _____

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Haul # 167 Date 03 JAN 07 Start 2216 End 2257 Dump 2313

Were there incidents involving endangered or protected species? Yes (No)

Biological samples:

Port Draghead Ø

Stbd Draghead _____ Deflector: ✓

Port Inflow, Mid grasses - wood - shells - debris Deflector: _____

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid _____

~~Stbd Inflow, Aft~~ _____

Comments _____

Haul # 168 Date 4 JAN 07 Start 2323 End 0001 Dump 0019

Were there incidents involving endangered or protected species? Yes (No)

Biological samples:

Port Draghead Ø

Stbd Draghead Ø Deflector: ✓

Port Inflow, Mid grasses Deflector: ✓

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid grasses, 1 HS club

~~Stbd Inflow, Aft~~ _____

Comments _____

Haul # 169 Date 4 JAN 07 Start 0030 End 0108 Dump 0129

Were there incidents involving endangered or protected species? Yes (No)

Biological samples:

Port Draghead Ø

Stbd Draghead Ø Deflector: _____

Port Inflow, Mid _____ Deflector: _____

~~Port Inflow, Aft~~ big rock, grass

Stbd Inflow, Mid _____

~~Stbd Inflow, Aft~~ Ø

Comments _____

Bridge Watch Summary

Date	#of Animals	Time/Location/Comments

FOG 70°F

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 170 Date 4 JAN 07 Start 0139 End 0217 Dump 0240

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid Ø
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector

Load # 171 Date 4 JAN 07 Start 0259 End 0335 Dump 0359

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid SKATE
~~Port Inflow, Aft~~
Stbd Inflow, Mid Ø
~~Stbd Inflow, Aft~~
Comments

Deflector
Deflector ✓

Load # 172 Date 4 JAN 07 Start 0414 End 0454 Dump 0525

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid
~~Port Inflow, Aft~~
Stbd Inflow, Mid Ø
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Weather (wind dir. & strength, sea state, temp, etc.): light airs CLOUDY SS 1 w/ light swell FOG 70°F Tide Stage: _____

Water Temp. (Surface): 14°C Time: 0800 (Below Mid-Depth): _____ Time: _____

Haul # 173 Date 4 JAN 07 Start 0523 End 0605 Dump 0615

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Deflector

Port Inflow, Mid

~~Port Inflow, All~~

Stbd Inflow, Mid Ø

~~Stbd Inflow, All~~

Comments

Haul # 174 Date 4 JAN 07 Start 0630 End 0700 Dump 0709

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Deflector

Port Inflow, Mid

~~Port Inflow, All~~

Stbd Inflow, Mid Ø

~~Stbd Inflow, All~~

Comments

Haul # 175 Date 4 JAN 07 Start 0726 End 0803 Dump 0813

Were there incidents involving endangered or protected species? Yes No

Note biological samples: 69°F

Port Draghead Ø Deflector ✓

Stbd Draghead Deflector

Port Inflow, Mid

~~Port Inflow, All~~

Stbd Inflow, Mid Ø

~~Stbd Inflow, All~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
Ø		

Water Temp. (Surface): 14° Time: 0800 (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 176 Date 4 JAN 07 Start 0823 End 0921 Dump 0944

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid HSCrab, Ø

~~Port Inflow, Aft~~

Stbd Inflow, Mid clay, Ø

~~Stbd Inflow, Aft~~

Comments

Load # 177 Date 4 JAN 07 Start 1000 End 1040 Dump 1101

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid rock, fabric, netting, metal

~~Port Inflow, Aft~~

Stbd Inflow, Mid rock, fabric,

~~Stbd Inflow, Aft~~

Comments

SOME CLAY THIS LOAD

Load # 178 Date 4 jan 07 Start 1120 End 1200 Dump 1230

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid grasses - wood - shell + debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid stone - wood + debris

~~Stbd Inflow, Aft~~

Comments Digging both arms - Trawler fueling

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
HEAVY	1	

Water Temp. (Surface): 14 Time: _____ (Below Mid-Depth): — Tide Stage: O @ 1400 Time: _____

Load # 179 Date 04 jan 07 Start 1241 End 1318 Dump 1341

Were there incidents involving endangered or protected species? Yes (No)

Were biological samples:

Port Draghead Ø Deflector: _____

Stbd Draghead _____ Deflector: ✓

Port Inflow, Mid wood

~~Port Inflow, Aft~~

Stbd Inflow, Mid Clay wood debris

~~Stbd Inflow, Aft~~

Comments _____

Load # 180 Date 4 jan 07 Start ~~1254~~ 1358 End 1445 Dump * 1612

Were there incidents involving endangered or protected species? Yes (No)

Were biological samples:

Port Draghead Ø Deflector: _____

Stbd Draghead debris Deflector: ✓

Port Inflow, Mid ~~Shell & Stone~~

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments Socked in * electronic delay before dumping

Load # 181 Date 4 jan 07 Start 1620 End 1658 Dump _____

Were there incidents involving endangered or protected species? Yes (No)

Were biological samples:

Port Draghead Ø Deflector: _____

Stbd Draghead _____ Deflector: ✓

Port Inflow, Mid Stone - shell - & debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments Still socked - in

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
/		

Water Temp. (Surface): 14°C Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 182 Date 4 JAN 07 Start 1740 End 1817 Dump _____

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Stone - Shell - debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid _____

~~Stbd Inflow, Aft~~ _____

Comments _____

Load # 183 Date 1 JAN 07 Start 1848 End 1922 Dump 1933

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid _____

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid Stone - wood - debris

~~Stbd Inflow, Aft~~ _____

Comments _____

Load # 184 Date 1 JAN 07 Start 1958 End 2033 Dump 2044

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid _____

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid Hs crabs - shell stone debris

~~Stbd Inflow, Aft~~ _____

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): 14 Time: _____ (Below Mid-Depth): _____ Tide Stage: Flooding Time: _____

Load # 185 Date 4 jan 07 Start 2056 End 2132 Dump 2154

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid _____ Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid Wood + debris
~~Stbd Inflow, Aft~~
Comments _____

Load # 186 Date 4 jan 07 Start 2204 End 2248 Dump 2314

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid Stone, shell & debris _____ Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~
Comments _____

Load # 187 Date 5 jan 07 Start ~~2359~~ 2340 End 0020 Dump 0047

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid HS crab _____ Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid HS crab
~~Stbd Inflow, Aft~~
Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
∅		

75° AIR

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 188 Date 5 JAN 07 Start 0101 End 0137 Dump 0202

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid Ø
~~Port Inflow, Aft~~
Stbd Inflow, Mid 1 Clam, HS crab, wood
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector

Load # 189 Date 5 JAN 07 Start 0218 End 0254 Dump 0321

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid 1 HS crab
~~Port Inflow, Aft~~
Stbd Inflow, Mid 1 HS crab
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector

Load # 190 Date 5 JAN 07 Start 0338 End 042 Dump 0446

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø
Stbd Draghead Ø
Port Inflow, Mid wood
~~Port Inflow, Aft~~
Stbd Inflow, Mid 3 HS crab
~~Stbd Inflow, Aft~~
Comments

Deflector ✓
Deflector

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Time: _____

Load # 191 Date 5 JAN/07 Start 0510 End 0548 Dump 0558

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid Shell (whole mostly)
~~Port Inflow, Aft~~
Stbd Inflow, Mid WOOD, Shell
~~Stbd Inflow, Aft~~
Comments

Load # 192 Date 5 JAN/07 Start 0618 End 0703 Dump 0710

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector
Stbd Draghead Deflector ✓
Port Inflow, Mid Shell, WOOD
~~Port Inflow, Aft~~
Stbd Inflow, Mid plastic, WOOD
~~Stbd Inflow, Aft~~
Comments

Load # 193 Date 5 JAN/07 Start 0727 End 0807 Dump 0815

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid WOOD
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments
FOG SETTING IN.

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Weather (Wind dir & strength, sea state, temp, etc.): [illegible]

S 5-10 13°F MR → 67°

Water Temp. (Surface): 14°C Time: 0730 (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 194 Date 5 JAN 07 Start 0827 End 0859 Dump 0935

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Deflector

Port Inflow, Mid Ø

~~Port Inflow, Aft~~

Stbd Inflow, Mid Ø

~~Stbd Inflow, Aft~~

Comments THICK FOG!

Load # 195 Date 5 JAN 07 Start 0945 End 1050 Dump 1059

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Deflector

Port Inflow, Mid rock, CLAY, shell

~~Port Inflow, Aft~~

Stbd Inflow, Mid plastic, metal

~~Stbd Inflow, Aft~~

Comments FOG CLEARING OUT BY END OF LOAD

Load # 196 Date 5 JAN 07 Start 1109 End 1229 Dump 1235

Are there incidents involving endangered or protected species? Yes No Ebbing

Note biological samples:

Port Draghead Ø Deflector ✓

Stbd Draghead Deflector

Port Inflow, Mid Stone & Shell

~~Port Inflow, Aft~~

Stbd Inflow, Mid Clay & Stone

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Air 11°F → 67

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: Ebb 2.4 1245 Time: _____

Load # 197 Date 5 jan 07 Start 1253 End 1358 Dump 1427

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Hs Crab Stone debris

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid + + +

~~Stbd Inflow, Aft~~ _____

Comments _____

Load # 198 Date 5 jan 07 Start 1437 End 1520 Dump _____ E33 → Sla

Are there incidents involving endangered or protected species? Yes (No) 11-13K

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid debris

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid debris

~~Stbd Inflow, Aft~~ _____

Comments Mostly Clean load.

Load # 199 Date 5 jan 07 Start 1556 End 1645 Dump 1654

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Debris & Stone

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid |

~~Stbd Inflow, Aft~~ _____

Comments _____

Bridge Watch Summary

Time	#of Animals	Time/Location/Comments
1+	5	1516 by dig

Air 70°F → 68

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: Flooding Time: _____

Load # 200 Date 5 jan 07 Start 1705 End 1843 Dump 1905

Were there incidents involving endangered or protected species? Yes (No)

Were biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead ∅ Deflector ✓

Port Inflow, Mid Debris - shells - HS crabs

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Load # 201 Date 5 jan 07 Start 1930 End 2050 Dump 2107

Were there incidents involving endangered or protected species? Yes (No)

Were biological samples:

Port Draghead ∅ Deflector

Stbd Draghead ✓ Deflector

Port Inflow, Mid CLAY & debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments Heavy RAINS → 17K

Load # 202 Date 5 jan 07 Start 2120 End 2221 Dump 2248

Were there incidents involving endangered or protected species? Yes (No)

Were biological samples:

Port Draghead ∅ Deflector

Stbd Draghead Deflector ✓

Port Inflow, Mid Debris - Stone - hs crabs - shells

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

6107 ~~UC Winds SE 12-16 Seas 3-4'~~

Water Temp. (Surface): 14 Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 202 Date 5 JAN / 07 Start 2300 End 2349 Dump 0028

Were there incidents involving endangered or protected species? Yes (No)

Biological samples:

Port Draghead ∅
Stbd Draghead
Port Inflow, Mid grass — Deflector ✓
~~Port Inflow, Aft~~ — Deflector
Stbd Inflow, Mid CLAY
~~Stbd Inflow, Aft~~
Comments

Load # 204 Date 6 JAN / 07 Start 0011 End 0157 Dump 0213

Were there incidents involving endangered or protected species? Yes (No)

Biological samples:

Port Draghead ∅
Stbd Draghead
Port Inflow, Mid — Deflector
~~Port Inflow, Aft~~ ∅ — Deflector ✓
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~ ∅
Comments DIGGING 2 CUTS NOW - LONGER

Load # 205 Date 6 JAN / 07 Start 0230 End 0340 Dump 0400

Were there incidents involving endangered or protected species? Yes (No)

Biological samples:

Port Draghead ∅
Stbd Draghead
Port Inflow, Mid HUGE HORSESHOE CRAB - RELEASED ALIVE — Deflector
~~Port Inflow, Aft~~ — Deflector ✓
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~ WHELK, WOOD
Comments

Species	#of Animals	Bridge Watch Summary Time/Location/Comments

67°F AIR

Water Temp. (Surface): 14°C Time: 0700 (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 206 Date 6 JAN 07 Start 0448 End 0538 Dump 0549

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead _____ Deflector ✓

Stbd Draghead Ø Deflector _____

Port Inflow, Mid CLAY, shell

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~ CLAY, shell

Comments

Load # 207 Date 6 JAN 07 Start 0606 End 0708 Dump 0724

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ✓ Deflector _____

Stbd Draghead Deflector ✓

Port Inflow, Mid CLAY balls, WOOD

~~Port Inflow, Aft~~

Stbd Inflow, Mid whelk, plastic

~~Stbd Inflow, Aft~~

Comments

Load # 208 Date 6 JAN 07 Start 0742 End 0827 Dump 0844

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead wire Deflector _____

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid WOOD, metal

~~Port Inflow, Aft~~

Stbd Inflow, Mid plastic, WOOD, rock, rope, shell (horse conch)

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

72° F AIR

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 209 Date 6 JAN 07 Start 0903 End 0935 Dump 0959

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead ∅ Deflector ✓

Port Inflow, Mid shell, WOOD, grass, fishing line

~~Port Inflow, Aft~~

Stbd Inflow, Mid fabric, shell

~~Stbd Inflow, Aft~~

Comments

Load # 210 Date 6 JAN 07 Start 1009 End 1039 Dump 1057

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead ∅ Deflector ✓

Port Inflow, Mid plastic

~~Port Inflow, Aft~~

Stbd Inflow, Mid 3 HS crab

~~Stbd Inflow, Aft~~

Comments

Load # 211 Date 6 JAN 07 Start 1107 End 1142 Dump 1200

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead ∅ Deflector ✓

Port Inflow, Mid WOOD + debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
GORGEOUS SIGHTING CONDITIONS! EXCELLENT		

Water Temp. (Surface): 14 Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 212 Date 6 jan 07 Start 1214 End 1253 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø

Stbd Draghead _____ Deflector ✓

Port Inflow, Mid TRASH, 5 crabs Deflector _____

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Load # 213 Date 6 jan 07 Start 1322 End 1415 Dump 1427

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead Ø

Stbd Draghead _____ Deflector ✓

Port Inflow, Mid Debris Deflector _____

~~Port Inflow, Aft~~

Stbd Inflow, Mid 4 crabs - debris - stone

~~Stbd Inflow, Aft~~

Comments

Load # 214 Date 6 jan 07 Start 1436 End 1544 Dump 1622

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead Ø

Stbd Draghead _____ Deflector ✓

Port Inflow, Mid Shell stone debris - 4 crabs Deflector _____

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

	#of Animals	Time/Location/Comments
[illegible]	9	1210 Approaching buoy 3

Air 77°F - 70

Water Temp. (Surface): 14 Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 215 Date 6 Jan 07 Start 1634 End 2004 Dump 2033

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid _____

~~Port Inflow, Aft~~ Debris H'shoe crabs Stone

Stbd Inflow, Mid _____

~~Stbd Inflow, Aft~~ _____

Comments _____

Load # 216 Date 6 Jan 07 Start 2045 End 2122 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid Debris + Shell

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid _____

~~Stbd Inflow, Aft~~ _____

Comments _____

Load # 217 Date 6 Jan 07 Start 2200 End 2241 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead Ø Deflector ✓

Port Inflow, Mid 8 horseshoe crabs - stone - debris

~~Port Inflow, Aft~~ _____

Stbd Inflow, Mid hshoe crab - stone - debris

~~Stbd Inflow, Aft~~ _____

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

70°F AIR

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 218 Date 7/JAN/06 Start 2318 End 0030 Dump 0042

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead ∅ Deflector
Port Inflow, Mid
~~Port Inflow, Aft~~
Stbd Inflow, Mid ∅
~~Stbd Inflow, Aft~~
Comments

Load # 219 Date 7/JAN/06 Start 0056 End 0151 Dump 0202

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid 3HSCL06
~~Port Inflow, Aft~~
Stbd Inflow, Mid trash
~~Stbd Inflow, Aft~~
Comments

FOG!

Load # 220 Date 7/JAN/06 Start 0217 End 0314 Dump 0327

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid
~~Port Inflow, Aft~~
Stbd Inflow, Mid ∅
~~Stbd Inflow, Aft~~
Comments

FOG

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

70°F AIR

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 221 Date 7 JAN 07 Start 0340 End 0440 Dump 0450

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead ∅ Deflector ✓
Port Inflow, Mid plastic
~~Port Inflow, Aft~~
Stbd Inflow, Mid shell
~~Stbd Inflow, Aft~~
Comments FOG

Load # 222 Date 7 JAN 07 Start 0503 End 0539 Dump 0604

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead ∅ Deflector ✓
Port Inflow, Mid ∅
~~Port Inflow, Aft~~
Stbd Inflow, Mid ∅
~~Stbd Inflow, Aft~~
Comments FOG lifted

Load # 223 Date 7 JAN 07 Start 0617 End 0703 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead ∅ Deflector ✓
Port Inflow, Mid CLAY, trash
~~Port Inflow, Aft~~
Stbd Inflow, Mid CLAY, trash
~~Stbd Inflow, Aft~~
Comments MOSTLY CLEAR skies

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

83°F

Water Temp. (Surface): 15°C Time: 0750 (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 224 Date 7 JAN / 2007 Start 0740 End 0822 Dump 0831

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid CLAY, WOOD Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid CLAY, HS crab
~~Stbd Inflow, Aft~~
Comments ~~FOG MOV~~

Load # 225 Date 7 JAN / 07 Start 0847 End 0955 Dump 1008

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid grasses Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid WOOD
~~Stbd Inflow, Aft~~
Comments FOG MOVING IN on dump run

Load # 226 Date 7 JAN / 07 Start 1022 End 1138 Dump 1159

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid plastic, WOOD, trash Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid small-med rocks, HS crabs, fishing + boat line, shells, WOOD
~~Stbd Inflow, Aft~~
Comments FOG HANGING AT CHANNEL ENTRANCE & SHIFTING TO DIG AREA AND BACK.

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
CA	0	dump area

Air 110 - 19

Water Temp. (Surface): 15oC Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 227 Date 7 jan 07 Start 1207 End 1320 Dump 1340

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid debris - shell - stone - hs crab Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments

Load # 228 Date 7 jan 07 Start 1350 End 1446 Dump 1458

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid ROCK - Wood - debris - hs crabs Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments wind picking up 10-12K mid-dig

Load # 229 Date 7 jan 07 Start 1512 End 1556 Dump 1650

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid Shell - stone - debris Deflector _____
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
T+	4	1234 in dig area - frequently

Sear 2

Water Temp. (Surface): 15 Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 230 Date 7 Jan 07 Start 1626 End 1740 Dump 1748

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid hs crabs - debris - stone Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~
Comments _____

Load # 231 Date 7 Jan 07 Start 1757 End 1915 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid _____ Deflector ✓
~~Port Inflow, Aft~~
Stbd Inflow, Mid MUD HS Crabs Stone & debris
~~Stbd Inflow, Aft~~
Comments _____

Load # 232 Date 7 Jan 07 Start 1937 End 2017 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid _____ Deflector ✓
~~Port Inflow, Aft~~ HS crab - ROCK - debris
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~
Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
/		

Seas 1-3' Air 69°F

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 233 Date 7 jan 07 Start 2042 End 2119 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid _____ Deflector _____
~~Port Inflow, Aft~~ 4's crabs - debris - shell & wood
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~ _____
Comments _____

Load # 234 Date 7 jan 07 Start 2140 End 2216 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____
Stbd Draghead _____ Deflector _____
Port Inflow, Mid _____ Deflector ✓
~~Port Inflow, Aft~~ Shells & debris
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~ _____
Comments _____

Load # 235 Date 7 jan 07 Start 2237 End 2321 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____
Stbd Draghead _____ Deflector _____
Port Inflow, Mid 4 shoe crabs - shells & stone & junk Deflector _____
~~Port Inflow, Aft~~ _____
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~ _____
Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Time: _____ Tide Stage: 1

Load # 236 Date 8 JAN 07 Start 2340 End 0107 Dump 0138

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid _____ Deflector _____
~~Port Inflow, Aft~~ plastic
Stbd Inflow, Mid _____
~~Stbd Inflow, Aft~~ 3 HS crab
Comments _____

Load # 237 Date 8 JAN 07 Start 0158 End 0318 Dump 0326

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector _____
Port Inflow, Mid HS crab, grass Deflector ✓
~~Port Inflow, Aft~~ _____
Stbd Inflow, Mid HS crab, WOOD
~~Stbd Inflow, Aft~~ _____
Comments _____

Load # 238 Date 8 JAN 07 Start 0342 End 0500 Dump 0508

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead _____ Deflector ✓
Port Inflow, Mid HS crab, aerobic frisbee Deflector _____
~~Port Inflow, Aft~~ _____
Stbd Inflow, Mid grass, WOOD
~~Stbd Inflow, Aft~~ _____
Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): 68° AIR Time: ~~[illegible]~~ (Below Mid-Depth): Tide Stage: Time:

Load # 239 Date 8 JAN 07 Start 0523 End 0645 Dump 0651

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid trash
~~Port Inflow, Aft~~
Stbd Inflow, Mid trash
~~Stbd Inflow, Aft~~
Comments

Load # 240 Date 8 JAN 07 Start 0709 End 0829 Dump 0837

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid sturgeon parts (old), rock horseshoe crabs, whelks
~~Port Inflow, Aft~~
Stbd Inflow, Mid Rocks, shells, horseshoe crab
~~Stbd Inflow, Aft~~
Comments More rocks in load

Load # 241 Date 8 Jan 07 Start 0859 End 1014 Dump 1035

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead Deflector
Port Inflow, Mid horseshoe crabs, rock
~~Port Inflow, Aft~~
Stbd Inflow, Mid horseshoe crabs, rock, fossils
~~Stbd Inflow, Aft~~
Comments whale team cancels aerial survey @ 0942 hrs.

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
∅		

Project Name: BRUNSWICK MAINT. USACE District: SAVANNAH

Dredge Name: Newport Dredge Firm: MANSON

Load # 244 Times: Start 1417 End 1521 Dump 1545

Location(lat/long) 31° 04.680 N X 81° 17.723 W Beau Sea State 1-2

Wind Direction NW Speed 4-8K Cloud Cover(%) 25 H_2O Surf. Temp 14.5°C

Start Sighting Time 1435 Vessel location (lat/long) SAME X

Magnetic bearing to sighting SE Estimated distance 3 Miles

Species observed Eubalaena glacialis # of animals 1

Vessel's heading SE Animal's heading NNW

Estimated length of whale(s) UNK

Coloration dark

Fins or flippers observed N/A

Behaviors observed AT surface, later, A low blow

Surfacing intervals (time and distance) —

End Sighting Time 1443 Vessel location (lat/long) SAME X

Duration of observation 8 minutes

Comments (was whale's behavior effected by vessel? how far and in what direction did whale(s) move during observation? who was notified?) A small vessel RADIOed Pilot boat that a Right Whale was by the sea buoy. Observer glassed the 3 mile - distant area, located the small boat, And observed the whale's dorsal area roll at surface, Several minutes later, observed a low blow closer to buoy #2.

70°F Air

Water Temp. (Surface): 14.5°C Time: 1229 (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 242 Date 8 JAN, 2006 Start 1048 End 1205 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Hs crabs shells stone - debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Load # 243 Date 8 jan 07 Start 1227 End 1344 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Hs crabs - shells - clay & debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Load # 244 Date 8 jan 07 Start 1417 End 1522 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Hs crabs

~~Port Inflow, Aft~~

Stbd Inflow, Mid Stone shell Hs crabs & debris

~~Stbd Inflow, Aft~~

Comments Right whale sighting

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
Eubalaena glacialis	1	1435 SE of buoy #2 3 miles REPORTED by DNR boat then observed the whale from a distance
[illegible]	[illegible]	

Air 15° → 61°

Water Temp. (Surface): 14.5°C Time: _____ (Below Mid-Depth): _____ Tide Stage: Ebbing 1630 Time: _____

Load # 245 Date 8 jan 07 Start 1605 End 1722 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid 4s crabs - stone - debris

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments weather came up fast!

Load # 246 Date 8 jan 07 Start 1802 End 1927 Dump 1954

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid 4s crabs debris shell & stone

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments ✓

Load # 247 Date 8 jan 07 Start 2025 End 2135 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid 4s crab - debris - wood + shell

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
	/	

Air 61°F

Water Temp. (Surface): 14.5 Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 248 Date 8 jan 07 Start 2220 End 2334 Dump 2359

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Rocks, weeds, horseshoe crabs

~~Port Inflow, Aft~~

Stbd Inflow, Mid Trash Rocks, Wood

~~Stbd Inflow, Aft~~

Comments SLOW BELT TO Dump

Load # 249 Date 9 jan 07 Start 0023 End 0146 Dump 0211

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid H.S. crab, whelks, rocks

~~Port Inflow, Aft~~

Stbd Inflow, Mid Rocks, crab trap, debris

~~Stbd Inflow, Aft~~

Comments _____

Load # 250 Date 1 jan 07 Start 0232 End 0350 Dump 0416

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead _____ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid debris, H.S crab, rope, whelks

~~Port Inflow, Aft~~

Stbd Inflow, Mid whelks, rock, debris

~~Stbd Inflow, Aft~~

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): 54°F Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Tow # 251 Date 9 JAN 2006 Start 0445 End 0612 Dump 0638

Were there incidents involving endangered or protected species? Yes No

Tows biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead
Port Inflow, Mid Shells, spiny dogfish, whelks, H.S. crabs
~~Port Inflow, Aft~~
Stbd Inflow, Mid debris, wood scraps, trash, H.S. crabs, whelks
~~Stbd Inflow, Aft~~
Comments End whale speed

Tow # 252 Date 9 JAN 2007 Start 0707 End 0836 Dump 0854

Were there incidents involving endangered or protected species? Yes No

Tows biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead
Port Inflow, Mid Wood, junk and trash, whelks, H.S. crab
~~Port Inflow, Aft~~
Stbd Inflow, Mid Benthic debris
~~Stbd Inflow, Aft~~
Comments 0845: Winds of Fortune captured loggerhead @ 3 and 4 buoy 61cm CCL –

Tow # 253 Date 9 JAN 2007 Start 0905 End 1014 Dump 1022

Were there incidents involving endangered or protected species? Yes No

Tows biological samples:

Port Draghead ∅ Deflector ✓
Stbd Draghead
Port Inflow, Mid Rocks, trash, wood, whelks
~~Port Inflow, Aft~~
Stbd Inflow, Mid Rocks, clay, bottom sturgeon tail (only)
~~Stbd Inflow, Aft~~
Comments Winds of Fortune Ridley turtle captured on

~~Whale sighting~~
1 Adult, 1 Calf 31°13' N 81°08' 1033 hrs

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

AIR 65°F – 10°

Water Temp. (Surface): <14°C Time: 1125 (Below Mid-Depth): _____ Tide Stage: Flood Time: _____

Load # 254 Date 9 Jan 2007 Start 1042 End 1109 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅
Stbd Draghead ∅
Port Inflow, Mid
~~Port Inflow, Aft~~
Stbd Inflow, Mid
~~Stbd Inflow, Aft~~
Deflector ✓
Deflector ✓

Comments Short load due to vessel logistics

Load # 255 Date 9 Jan 07 Start 1135 End 1210 Dump 1234

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Stbd Draghead ∅
Port Inflow, Mid debris
~~Port Inflow, Aft~~
Stbd Inflow, Mid debris
~~Stbd Inflow, Aft~~
Deflector ✓
Deflector ✓

Comments Clean load – w/out tracker

Load # 256 Date 9 Jan 07 Start 1248 End 1406 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples: Winds 11-13K

Port Draghead ∅
Stbd Draghead ∅
Port Inflow, Mid Debris
~~Port Inflow, Aft~~
Stbd Inflow, Mid Hshoe crabs – debris – shells
~~Stbd Inflow, Aft~~
Deflector ✓
Deflector ✓

Comments

Species	#of Animals	Bridge Watch Summary Time/Location/Comments

Jan 2-3 1949 3

Water Temp. (Surface): <14°C Time: _____ (Below Mid-Depth): _____ Tide/Stage: _____ Time: _____

Load # 257 Date 9 jan 07 Start 1439 End 1606 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓

Sbd Draghead _____ Deflector _____

Port Inflow, Mid Shells - Hs Crabs - debris

~~Port Inflow, Aft~~

Sbd Inflow, Mid _____

~~Sbd Inflow, Aft~~

Comments _____

Load # 258 Date 9 jan 07 Start 1644 End 1755 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector ✓

Sbd Draghead _____ Deflector _____

Port Inflow, Mid Debris

~~Port Inflow, Aft~~

Sbd Inflow, Mid L, shells + stone

~~Sbd Inflow, Aft~~

Comments _____

Load # 259 Date 9 jan 07 Start 1833 End 1949 Dump _____

Are there incidents involving endangered or protected species? Yes No

Note biological samples:

Port Draghead ∅ Deflector _____

Sbd Draghead _____ Deflector ✓

Port inflow, Mid clean

~~Port Inflow, Aft~~

Sbd Inflow, Mid Hs crabs, shells, fossils + debris

~~Sbd Inflow, Aft~~

Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Air - 62°F - 54°F

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 260 Date 8 jan 07 Start 2032 End 2200 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid HS crabs - debris - stone + shell

~~Port Inflow, Aft~~

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~

Comments

Load # 261 Date 9 jan 07 Start 2244 End 2330 Dump 0355

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid Rock, HS. crab

~~Port Inflow, Aft~~

Stbd Inflow, Mid clay, chalk

~~Stbd Inflow, Aft~~

Comments Winds at start 15-20K NW

Load # 262 Date 1 jan 07 Start _____ End 0142 Dump 0214

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead _____ Deflector _____

Port Inflow, Mid

~~Port Inflow, Aft~~ Wood, clay, rock

Stbd Inflow, Mid

~~Stbd Inflow, Aft~~ HS. crab, clay

Comments

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: _____ Time: _____

Load # 263 Date 10 JAN 2007 Start 0238 End 0410 Dump 0434

Are there incidents involving endangered or protected species? Yes (No)

Take biological samples:

Port Draghead ✓
Stbd Draghead _____ Deflector _____
Port Inflow, Mid wood, clay, H.S. crabs Deflector ✓
~~Port inflow, Aft~~
Stbd Inflow, Mid Crab trap debris, wood, whelks, H.S. crabs
~~Stbd inflow, Aft~~
Comments

Load # 264 Date 10 JAN 2007 Start 0511 End 0551 Dump 0615

Are there incidents involving endangered or protected species? Yes (No)

Take biological samples:

Port Draghead ✓
Stbd Draghead _____ Deflector _____
Port Inflow, Mid _____ Deflector ✓
~~Port inflow, Aft~~ clay, whelks, H.S. crab
Stbd Inflow, Mid _____
~~Stbd inflow, Aft~~ H.S. crab, wood
Comments

Load # 265 Date 10 JAN 2007 Start 0641 End 0733 Dump 0750

Are there incidents involving endangered or protected species? Yes No

Take biological samples:

Port Draghead ✓
Stbd Draghead _____ Deflector _____
Port Inflow, Mid _____ Deflector ✓
~~Port inflow, Aft~~
Stbd Inflow, Mid Both screens clear
~~Stbd inflow, Aft~~
Comments

Species	#of Animals	Bridge Watch Summary Time/Location/Comments

WIND N-NW 15-25 7°F-4F Air 62°F Tide Stage: _____

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Time: _____

Tow # 266 Date 10 JAN 2007 Start 0807 End 0924 Dump 0923

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ~~Rocks, H.S. Crab~~ Deflector ✓

Stbd Draghead ∅ Deflector ✓

Port Inflow, Mid H.S. Crab, Rocks, whelks

~~Port Inflow, Aft~~

Stbd Inflow, Mid Clearnose skate, 21 H.S. crabs, whelks

~~Stbd Inflow, Aft~~

Comments _____

Tow # 267 Date 10 Jan 2007 Start 0949 End 1106 Dump 1117

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead Deflector ✓

Port Inflow, Mid Rocks

~~Port Inflow, Aft~~

Stbd Inflow, Mid 4 H.S. Crabs, whelks

~~Stbd Inflow, Aft~~

Comments _____

Tow # 268 Date 10 Jan 07 Start 1131 End 1243 Dump _____

Were there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅ Deflector ✓

Stbd Draghead Deflector ✓

Port Inflow, Mid 14 shoe crabs Stone Shells & Clay

~~Port Inflow, Aft~~

Stbd Inflow, Mid ↓

~~Stbd Inflow, Aft~~

Comments _____

NO FLY TODAY - Slow bell @ Night

Bridge Watch Summary

Notes	#of Animals	Time/Location/Comments

Water Temp. (Surface): _____ Time: _____ (Below Mid-Depth): _____ Tide Stage: Ebbing 1600 Time: _____

Load # 269 Date 10 jan 07 Start 1307 End 1358 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Sted Draghead _____ Deflector ✓
Port Inflow, Mid Hs crabs - shells - fossils - debris Deflector ✓
~~Port Inflow, Aft~~
Sted Inflow, Mid _____
~~Sted Inflow, Aft~~
Comments Charles Maley - off / Jed Brown ON

Load # 270 Date 10 jan 07 Start 1440 End 1645 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Sted Draghead _____ Deflector ✓
Port Inflow, Mid Debris + stone Deflector ✓
~~Port Inflow, Aft~~
Sted Inflow, Mid Hs crabs - stone - debris
~~Sted Inflow, Aft~~
Comments _____

Load # 271 Date 10 jan 07 Start 1728 End 1924 Dump _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological samples:

Port Draghead ∅
Sted Draghead _____ Deflector ✓
Port Inflow, Mid CLEAR Deflector ✓
~~Port Inflow, Aft~~
Sted Inflow, Mid Shells - hs crabs - debris
~~Sted Inflow, Aft~~
Comments _____

Bridge Watch Summary

Species	#of Animals	Time/Location/Comments
TT	3	1348 AT dig site

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 20 / 07 **LOAD #:** 1

Times (24hrs): Start 0851 **End** _____ **Dump** _____

Location, Lat/Long: N 31 05.693 **W** 081 19.39 25+00 – Grad

Condition of screening: Port good **Starboard** good **Overflow** good

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? YES X **NO** ____ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: clear

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

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

Wind (speed & direction): E5 **AIR TEMP:** 73 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.1 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

SCREEN TYPE
- x **Inflow screening:** None 25% 50% 75% [100%]
- x **Overflow screening:** None 25% 50% 75% [100%]
- x **Other screening:** None 25% 50% 75% 100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments: TRAWLER caught 1 KEMP'S Ridley IN AM

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]
Observer's Name: S. Knight / B. Cline **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 20 / 07 LOAD #: 02

Times (24hrs): Start 1033 End 1056 Dump 1124

Location, Lat/Long: N 31 05.693 W 81 19.38

Condition of screening: Port good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: mud ~~& sand~~
Weather conditions: clear

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

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

Wind (speed & direction): E 5 AIR TEMP: 73 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.1 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments:

Overflow - Jellyfish (3)

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B Cline Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Mid-Atlantic Construction

Date 3 / 20 / 07 **LOAD #:** 3

Times (24hrs): Start 1153 **End** 1214 **Dump** 1244

Location, Lat/Long: N 31 05 .860 **W** 81 16 .658

Condition of screening: Port OK **Starboard** OK **Overflow** OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? YES "X" **NO** "" **Condition of deflector:** Good

Type of material dredged: mud ~~& sand~~
Weather conditions: Clear

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

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 **ft**
Wind (speed & direction): E 5-10 **AIR TEMP:** 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 18.1 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: 1 blue crab

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Kayton **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 20 / 07 LOAD #: 4

Times (24hrs): Start 1320 End 1350 Dump 1420

Location, Lat/Long: N 31 05 .660 W 81 16 .658

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO Condition of deflector: OK Good

Type of material dredged: mud & sand
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown
Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1 ft
Wind (speed & direction): E 5-10 AIR TEMP: 75 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 16.1 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

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

PORT FORE SCREEN CONTENTS: Ø
PORT AFT SCREEN CONTENTS: Ø
STARBOARD FORE SCREEN CONTENTS: Ø
STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments: TE 2 31 05 7 1405
81 16 28
TRAWLER caught K. Ridley

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. KNIGHT Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 20 / 07 **LOAD #:** 5

Times (24hrs): Start 1452 **End** [illegible] **Dump** 1541

Location, Lat/Long: N 30 05 .560 W 81 16 .658

Condition of screening : Port OK **Starboard** OK **Overflow** OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** OK Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1-2 ft
Wind (speed & direction) NE 3-10 **AIR TEMP:** 75 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface 18.1 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

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

PORT FORE SCREEN CONTENTS: 0

PORT AFT SCREEN CONTENTS: 0

STARBOARD FORE SCREEN CONTENTS: 15 CRAB

STARBOARD AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species)
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:** None 25% 50% 75% **100%**
Observer's Name: [illegible] **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOG DATA FORM

Project Name: Brunswick Entrance Maint[illegible] USACE District Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 20 / 07

Times (24hrs): Start 1641 Dredging 1744

Location, Lat/Long: N 30 [illegible] 105 [illegible] 81 76 658

Condition of screening: Port OK Starboard [illegible] Overflow OK

Number of dragheads in use: 2 Type of draghead used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO Condition of deflector: OK Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): 6 S Temp: 72 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 65 °C/°F Bottom N/A °C/°F

SCREEN TYPE 1. x Inflow screening None 25% 50% 75% 100%
2. x Overflow screening None 25% 50% 75% 100%
x Other screening None 25% 50% 75% 100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

TURTLE OR TURTLE PARTS PRESENT: YES NO X
SPECIES OF TURTLE PARTS: Unknown Kemp's Ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitored/24 hrs: None 25% 50% 75% 100%
Observer's Name: [illegible] Observer firm: Coastwise Consulting Inc

Endange[illegible] Observer Program
[illegible] FORM

Project Name: Brunswick Entrance Maint. USACE District: Sav.
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date: 3 / 20 / 07 LOAD #: 7

Times (24hrs): Start 1815 End 1858 Dump 1912 23+00 26+00

Location, Lat/Long: N 31 05 860 W 81 16 688

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO Condition of deflector: Good

Type of material dredged: mud & ~~sand~~
Weather conditions: Clear

Tide stage (CIRCLE ONE): Slack Rising High Falling Low Unknown
Beaufort Sea States (Enter 2 to 8) 1 Wave Height: 1 ft
Wind (speed & direction) 6 5-10 AIR TEMP: 63 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))
WATER TEMP: Surface ___ °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

[illegible] 0

[illegible] TENTS: 0

[illegible] 0 [illegible]

Estimate [illegible] for the following:
[illegible]
[illegible] 1
[illegible]
[illegible]

TURTLE OR TURTLE PARTS [illegible] THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Loggerhead Green Kemp's Hawksbill Leatherback

Comments:

Number observers used/24hrs: [illegible] 0%
Observer's Name: [illegible] Consulting Inc

[illegible] Program

[illegible] FORM

Project Name: [illegible] Savannah [illegible]
Dredge Name: MAY [illegible] Contractor: [illegible]

Date 3 / 26 / [illegible] / 8 [illegible]

Times (24hrs): Start [illegible] End [illegible] Stop 2035

Location, Lat/Long: N 32 [illegible] 85 [illegible] 31 16 [illegible] 658

Condition of screen: [illegible] Overflow: OK

Number of drag heads: [illegible] Size of drag heads: 19 43 [illegible]
Drag head [illegible]

Type of [illegible]
Weather condition: [illegible]

Tidal stage (CIRCLE): [illegible] Low Outflow [illegible]
Beaufort Sea State (Circle): [illegible]
Wind (speed & direction): [illegible] °C/°F ((R-95)/5 (°C) + 32 (°F) = 1.8(R - 32))
WATER TEMP: Surface [illegible] °C/°F Bottom [illegible] °C/°F
SCREEN TYPE: [illegible] 50% 75% 100%
[illegible] 50% 75% 100%
[illegible] 50% 75% 100%

PORT [illegible]

PORT [illegible]

STARBOARD [illegible]

STARBOARD [illegible]

Estimate number [illegible]
Sturgeon [illegible]
Shark (any species) [illegible]
Horseshoe crab [illegible]
Blue crab [illegible]

TURTLE OR TURTLE [illegible] PRESENT: YES NO X
SPECIES OF TURTLE [illegible] Kemp's Ridley Hawksbill Leatherback

Comments: [illegible]

Number observers used [illegible] 25% 50% 75% 100%
Observer's Name: [illegible] Observer Firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 20 / 07 LOAD #: 9

Times (24hrs): Start 2110 End 2128 Dump 2203

Location, Lat/Long: N 31 05 .860 W 81 16 .658

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO Condition of deflector: Good

Type of material dredged: mud ~~& sand~~
Weather conditions: Clear

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

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

Wind (speed & direction): E 10-15 AIR TEMP: 80 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.1 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE
x Inflow screening: None 25% 50% 75% [100%]
x Overflow screening: None 25% 50% 75% [100%]
x Other screening: None 25% 50% 75% 100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]
Observer's Name: G. Knight Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program

FORM

Project Name: Brunswick Entrance Ch... District: Savannah

Dredge Name: M/V Bayport Dredge ... Construction

Date 3 / 26 / 07 ... 10

Times (24hrs): Start 2239 End ... Dump 2329

Location, Lat/Long: N 31 05 ... W 081 16 .658

Condition of screening: Port OK Starboard ... Overflow OK

Number of draglheads on dredge: 2 Type of screening: N/K Size of dragheads: 194"

Draghead deflector? YES X NO ... condition of deflector: Good

Type of material dredged: ...

Weather conditions: ...

Tidal stage (CIRCLE ONE): Slack ... Ebb Unknown

Beaufort Sea States (Enter BSS 1-8): ...

Wind (speed & direction): ... 60 °C (°F=9/5(°C)+32; °C=5/9(°F-32))

WATER TEMP: Surface ... °C/F Bottom N/A °C/F

SCREEN TYPE: Inflow screening ... 25% 50% 75% 100%

Overflow screening ... 25% 50% 75% 100%

Other screening ... 25% 50% 75% 100%

PORT FORE SCREEN CONTENTS: ...

PORT AFT SCREEN CONTENTS: ...

STARBOARD FORE SCREEN CONTENTS: ...

STARBOARD AFT SCREEN CONTENTS: ...

Estimate number entrained on this load for:

Sturgeon (any species): ...

Shark (any species): ...

Horseshoe crab: ...

Blue crab: ...

TURTLE OR TURTLE PARTS PRESENT: YES NO X

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

Comments: ...

Number observers used (24hrs): ... 25% 50% 75% 100%

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

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 21 / 07 LOAD #: 11

Times (24hrs): Start _____ End 0019 Dump 0050

Location, Lat/Long: N 31 05.860 W 81 16.658

Condition of screening: Port good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: clear

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

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

Wind (speed & direction): E 5-10 AIR TEMP: 60 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

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

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: 1 horseshoe crab

STARBOARD FORE SCREEN CONTENTS: 1 horseshoe crab

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 2
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: B. Cline Observer firm: Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District:** Savannah
Dredge Name: **M/V Bayport** **Dredge Firm:** **Manson Construction**

Date 3 / 21 / 07 **LOAD #:** 12

Times (24hrs): Start 0125 End 0147 Dump 0217

Location, Lat/Long: N 31 05 .860 W 81 16 .658

Condition of screening : Port good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: ___

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

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

Wind (speed & direction): E 5-10 **AIR TEMP:** 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32

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

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: **YES** ___ **NO** 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: B. Cline **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 21 / 07 LOAD #: 13

Times (24hrs): Start 0252 End 0315 Dump 0344

Location, Lat/Long: N 31 05.860 W 81 16.658

Condition of screening : Port good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): E 5-10 AIR TEMP: 62 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT FORE SCREEN CONTENTS: 0

PORT AFT SCREEN CONTENTS: 0

STARBOARD FORE SCREEN CONTENTS: 0

STARBOARD AFT SCREEN CONTENTS: 0

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: Trawler catches C. caretta

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline Observer firm: Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District:** Savannah
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 21 / 07 LOAD #: 14

Times (24hrs): Start 0416 End 0435 Dump 0507

Location, Lat/Long: N 31 05.858 W 81 19.656

Condition of screening : Port good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): ES-10 **AIR TEMP:** 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District: Savannah**
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 21 / 07 **LOAD #:** 15

Times (24hrs): Start 0545 End 0611 Dump 0611

Location, Lat/Long: N 31 05.858 W 81 19.656

Condition of screening : Port Good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): E 5-10 AIR TEMP: 64 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments: Trawler catches C caretta

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cruz Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 21 / 07 LOAD #: 16

Times (24hrs): Start 0717 End 0737 Dump 0817

Location, Lat/Long: N 31 05.858 W 81 19.656

Condition of screening : Port good Starboard good Overflow good

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): E 5-10 AIR TEMP: 64 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 3

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

SCREEN TYPE

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: 2 horseshoe crab

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 2
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: B. Cline Observer firm: Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 21 / 07 LOAD #: 17

Times (24hrs): Start 0849 End 0940 Dump _____

Location, Lat/Long: N 31 05.858 W 81 19.656

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: _____

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

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

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

WATER TEMP: Surface 68.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments: 1015- NOAA48 reports no whale sightings this a.m.

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District:** Savannah
Dredge Name: **M/V Bayport** **Dredge Firm:** **Manson Construction**

Date 3 / 21 / 07 **LOAD #:** 18

Times (24hrs): Start 1036 End 1108 Dump 1145

Location, Lat/Long: N 31 05.858 W 81 19.656

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: clear turning partly cloudy

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

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

Wind (speed & direction): NE ~~10-15~~ 8-12 **AIR TEMP:** 74 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F **Column (mid-depth)** N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: 1 horseshoe crab
1 skate on overflow

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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's Name: B. Cuno **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District: Savannah**
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 21 / 07 **LOAD #:** 19

Times (24hrs): Start 1212 End 1254 Dump 1323

Location, Lat/Long: N 31 05 .858 W 081 19 .656 20 to ∞ - 28 to

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: P. Cloudy

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

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

Wind (speed & direction): E @ 10 kts **AIR TEMP:** ___ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

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

PORT FORE SCREEN CONTENTS: 2 HS CRAB

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: TRASH

Estimate number entrained on this load for the following:

Sturgeon (any species)	/
Shark (any species)	/
Horseshoe crab	2
Blue crab	/

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

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight **Observer firm:** Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 21 / 07 LOAD #: 20

Times (24hrs): Start 1349 End 1458 Dump 1532

Location, Lat/Long: N 31 05.858 W 081 19.656

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): E @ 5-10 Kt AIR TEMP: 65 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Trash

STARBOARD FORE SCREEN CONTENTS: 2 HS CRAB

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) /
Shark (any species) /
Horseshoe crab 3
Blue crab /

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

Comments: TRAWLER CAUGHT KEMP'S Ridley
1 HS CRAB ON overflow

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. KNIGHT Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District: Savannah**
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 21 / 07 **LOAD #:** 21

Times (24hrs): Start 1605 End 1704 Dump 1745

Location, Lat/Long: N 31 06 . 296 W 81 20 . 46

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? **YES** X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

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

WATER TEMP: Surface 18.2 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

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

PORT FORE SCREEN CONTENTS: 1 HS CRAB

PORT AFT SCREEN CONTENTS: /

STARBOARD FORE SCREEN CONTENTS: 2 ~~BLUE~~ HS CRAB

STARBOARD AFT SCREEN CONTENTS: /

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab 4
- 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: OVERFLOW 1 HS crab, 1 Blue crab

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight **Observer firm:** Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 21 / 07 LOAD #: 22

Times (24hrs): Start 1823 End 1924 Dump 1950

Location, Lat/Long: N 30 06 . 296 W 081 20 . 460

Condition of screening: Port ok Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): E 10 AIR TEMP: 76 °C/(F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 18.2 °(C)/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE
x Inflow screening: None 25% 50% 75% [100%]
x Overflow screening: None 25% 50% 75% [100%]
x Other screening: None 25% 50% 75% 100%

PORT FORE SCREEN CONTENTS: 1 HS CRAB

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: TRASH

Estimate number entrained on this load for the following:
Sturgeon (any species) /
Shark (any species) /
Horseshoe crab 1
Blue crab /

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

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]
Observer's Name: S. KNIGHT Observer firm: Coastwise Consulting

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District: Savannah**
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 21 / 07 **LOAD #:** 23

Times (24hrs): Start 2036 **End** 2111 **Dump** 2153

Location, Lat/Long: N 30 06 .296 W 081 20 .46

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: clear

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

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

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

WATER TEMP: Surface 18.2 (C) °F **Column (mid-depth)** N/A °C / °F **Bottom** N/A °C / °F

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO 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: S. Knight **Observer firm:** Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 25

Times (24hrs): Start 0126 End 0230 Dump 0328

Location, Lat/Long: N 31° 06.294 W 081° 30.54

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 54"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

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

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

Wind (speed & direction): 7-10 AIR TEMP: ___ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

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

PORT FORE SCREEN CONTENTS: 2

PORT AFT SCREEN CONTENTS: 2- HS crab

STARBOARD FORE SCREEN CONTENTS: 3 HS crab

STARBOARD AFT SCREEN CONTENTS: 2

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 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: [illegible] Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date: 1/22/07 LOAD #: 26

Times (24hrs): Start 0425 End 0530 Dump 0619

Location, Lat/Long: N 31° 06 .296 W 081° 20 .46

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: partly cloudy

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

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

Wind (speed & direction): NE 15 AIR TEMP: 64 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

SCREEN TYPE

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

PORT ~~FORE SCREEN~~ CONTENTS:
OVERFLOW: 4 HS CRAB
PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: 2 HS CRAB

~~STARBOARD~~ AFT ~~SCREEN~~ CONTENTS:
AFT OVERFLOW: 1 COW NOSE RAY, 2 HS CRAB

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 8
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: B. Cline Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 77

Times (24hrs): Start 0707 End 0806 Dump _____

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 46

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: partly cloudy

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

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

Wind (speed & direction): NE 10-15 AIR TEMP: 62 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32

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

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

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

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

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Clark Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 28

Times (24hrs): Start 0923 End 0951 Dump 1019

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 46

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: cloudy

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

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

Wind (speed & direction): NE 10-15 AIR TEMP: 67 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

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

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

PORT ~~FORE SCREEN~~ CONTENTS:
OVERFLOW: 1 HS CRAB
PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District: Savannah**
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 22 / 07 **LOAD #:** 21

Times (24hrs): Start 1057 End 1144 Dump 1209

Location, Lat/Long: N 31° 17.281 W 081° 20.460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: P/C

Tidal stage (CIRCLE ONE): Slack Rising (High) Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): ENE 10-15 AIR TEMP: 66 °C/(°F) °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °(C)/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	[100%]
x	Overflow screening:	None	25%	50%	75%	[100%]
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: 0

PORT AFT SCREEN CONTENTS: 0

STARBOARD FORE SCREEN CONTENTS: 1 HS CRAB

STARBOARD AFT SCREEN CONTENTS: 13 HS CRAB

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) 1
Horseshoe crab 4
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: TE 4 1210 31 03447
81 16.975

COW-NOSE RAY ON OVERFLOW

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% [100%]
Observer's Name: S. WHITAKER **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 30

Times (24hrs): Start 1242 End 1342 Dump 1422

Location, Lat/Long: N 31° 06 .296 W 081° 20 .460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: PC

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NE 10-15 AIR TEMP: 66 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)

WATER TEMP: Surface 15.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 81

Times (24hrs): Start 1505 End 1630 Dump 1705

Location, Lat/Long: N 31° 06 .796 W 081° 20 .460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ____ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: PC

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2-3 ft

Wind (speed & direction): NE 10 AIR TEMP: 67 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: 0

PORT AFT SCREEN CONTENTS: 2 HS crab

STARBOARD FORE SCREEN CONTENTS: 0

STARBOARD AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:
Sturgeon (any species) ____
Shark (any species) ____
Horseshoe crab 2
Blue crab ____

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ____ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: 1 Skate on overflow

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 32

Times (24hrs): Start 1757 End 1855 Dump 1924

Location, Lat/Long: N 31° 06 .296 W 081° 20 .460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NE 10 kts AIR TEMP: 64 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE

x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: 0

PORT AFT SCREEN CONTENTS: 2 HS crab

STARBOARD FORE SCREEN CONTENTS: 1 HS crab

STARBOARD AFT SCREEN CONTENTS: 0

Estimate number entrained on this load for the following:
Sturgeon (any species) 1
Shark (any species) 1
Horseshoe crab 3
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: S. Knight Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 22 / 07 LOAD #: 33

Times (24hrs): Start 2008 End 2104 Dump 2139

Location, Lat/Long: N 31° 08 . 24 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: P/cloudy

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NE 10 KTS AIR TEMP: 61 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32

WATER TEMP: Surface 16.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°

SCREEN TYPE

x Inflow screening:	None	25%	50%	75%	100%
x Overflow screening:	None	25%	50%	75%	100%
x Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: OK

PORT AFT SCREEN CONTENTS: OK

STARBOARD FORE SCREEN CONTENTS: OK

STARBOARD AFT SCREEN CONTENTS: 1 HS Crab

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 ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting I

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 28 / 07 LOAD #: 34

Times (24hrs): Start 2229 End 2324 Dump 0058

Location, Lat/Long: N 31° 06 . 246 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: P/C

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NE 10 AIR TEMP: 61 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE

x Inflow screening:	None	25%	50%	75%	100%
x Overflow screening:	None	25%	50%	75%	100%
x Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
Sturgeon (any species) Ø
Shark (any species)
Horseshoe crab
Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date: 3 / 23 / 07 LOAD #: 35

Times (24hrs): Start 0122 End 0231 Dump 0512

Location, Lat/Long: N 31° 06.840 W 081° 22.460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 3 Wave Height: 2-3 ft

Wind (speed & direction): NE 10 AIR TEMP: 63 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) Ø
- Shark (any species) Ø
- Horseshoe crab Ø
- Blue crab Ø

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO ✓
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Clive Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 23 / 07 **LOAD #:** 36

Times (24hrs): Start 0339 **End** 0355 **Dump** 0418

Location, Lat/Long: N 31° 06 .296 **W** 081° 20 .466

Condition of screening : Port OK **Starboard** OK **Overflow** OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 **ft**

Wind (speed & direction): NE 5-10 **AIR TEMP:** 63 **°C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))**

WATER TEMP: Surface 16.2 **°C/°F Column (mid-depth)** N/A **°C/°F Bottom** N/A **°C/°F**

SCREEN TYPE						
x	**Inflow screening:**	None	25%	50%	75%	100%
x	**Overflow screening:**	None	25%	50%	75%	100%
x	**Other screening:**	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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: B. Cline **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 23 / 07 **LOAD #:** 37

Times (24hrs): Start 0447 **End** 0555 **Dump** 0635

Location, Lat/Long: N 31° 06 . 296 **W** 081° 20 . 460

Condition of screening : Port OK **Starboard** OK **Overflow** OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? YES X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 **ft**

Wind (speed & direction): NE 10 **AIR TEMP:** 63 **°C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))**

WATER TEMP: Surface 16.2 °C/°F **Column (mid-depth)** N/A **°C/°F Bottom** N/A **°C/°F**

SCREEN TYPE						
x	**Inflow screening:**	None	25%	50%	75%	100%
x	**Overflow screening:**	None	25%	50%	75%	100%
x	**Other screening:**	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS:
Aft overflow : 1 SKATE , 3 HS CRAB

Estimate number entrained on this load for the following:

- **Sturgeon (any species)** 0
- **Shark (any species)** 0
- **Horseshoe crab** 3
- **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: B. Cline **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District:** Savannah
Dredge Name: **M/V Bayport** **Dredge Firm:** **Manson Construction**

Date 3 / 23 / 07 **LOAD #:** 38

Times (24hrs): Start 0717 **End** 0816 **Dump** 0841

Location, Lat/Long: N 31° 06 .796 W 081° 20 .460

Condition of screening : **Port** OK **Starboard** OK **Overflow** OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K **Size of dragheads:** 94"
Draghead deflector? **YES** X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): **Slack** **Rising** **High** **Falling** **Low** **Unknown**

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2-3 ft

Wind (speed & direction): ENE 25-10 KT **AIR TEMP:** 64 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: **Surface** 18.2 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

SCREEN TYPE						
	x **Inflow screening:**	None	25%	50%	75%	100%
	x **Overflow screening:**	None	25%	50%	75%	100%
	x **Other screening:**	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) Ø
- Horseshoe crab ___
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:
Cannonball JELLIES ~30 on Overflow

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 23 / 07 LOAD #: 39

Times (24hrs): Start 0926 End 1042 Dump 1102

Location, Lat/Long: N 31° 06 .296 W 081° 20 .460

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): ENE 10-15 AIR TEMP: 69 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: DEBRIS, TRASH
PORT AFT SCREEN CONTENTS:

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS:
AFT overflow – 2 SKATES, 6 Cannonball Jellies, 3 HS CRAB, 1 Shrimp (pink)

Estimate number entrained on this load for the following:
Sturgeon (any species) 0
Shark (any species) 1
Horseshoe crab 3
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: Tt 2 1145 31°03.294N, 81 17.284W

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District:** Savannah
Dredge Name: **M/V Bayport** **Dredge Firm:** **Manson Construction**

Date 3 / 23 / 07 **LOAD #:** 40

Times (24hrs): Start 1210 **End** 1300 **Dump** 1343

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening: Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 **Type of dragheads used:** N/K Size of dragheads: 94"
Draghead deflector? **YES** X **NO** ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): **Slack** **Rising** **High** **Falling** **Low** **Unknown**

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 2 ft

Wind (speed & direction): NE 5-10 **AIR TEMP:** 70 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

SCREEN TYPE

x Inflow screening:	None	25%	50%	75%	100%
x Overflow screening:	None	25%	50%	75%	100%
x Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: 2 HS crab

STARBOARD AFT SCREEN CONTENTS: 1 HS crab

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's Name: S. Knight **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 23 / 07 LOAD #: 41

Times (24hrs): Start 1415 End 1525 Dump 1602

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2-3 ft

Wind (speed & direction): NE 10 KT AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: 1 HS crab

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species)	
Shark (any species)	1
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: S. KNIGHT Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 23 / 07 LOAD #: 42

Times (24hrs): Start 1637 End 1736 Dump 1809

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2 ft

Wind (speed & direction): NE 10 AIR TEMP: 78 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS:
1 FILE FISH ON overflow

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: Trawler caught KEMP'S Ridley

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. KNIGHT Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 23 / 07 LOAD #: 43

Times (24hrs): Start 1849 End 2006 Dump 2036

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port ok Starboard ok Overflow ok

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2-3 ft

Wind (speed & direction): NE 5-10 AIR TEMP: 68 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: 3 HS crab

STARBOARD AFT SCREEN CONTENTS: Trash

Estimate number entrained on this load for the following:
Sturgeon (any species) ___
Shark (any species) ___
Horseshoe crab 3
Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: ___

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 23 / 07 **LOAD #:** 44

Times (24hrs): Start 2122 End 2222 Dump 2252

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2 ft

Wind (speed & direction): NE 5 AIR TEMP: 64 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: 2 HS crab

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 2
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: S. Knight **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 24 / 07 LOAD #: 45

Times (24hrs): Start 2330 End 0041 Dump 0018

Location, Lat/Long: N 31° 06.298 W 081° 20.600

Condition of screening : Port ok Starboard ok Overflow ok

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 2 ft

Wind (speed & direction): NE 5 AIR TEMP: 63 °C/°F(°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) Ø
- Shark (any species)
- Horseshoe crab
- Blue crab

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments:

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. [illegible] Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 24 / 07 LOAD #: 46

Times (24hrs): Start 0115 End 0223 Dump 0312

Location, Lat/Long: N 31° 04 . 296 W 081° 20 . 4160

Condition of screening : Port ok Starboard ok Overflow ok

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) ___ Wave Height: ___ ft

Wind (speed & direction): ___ AIR TEMP: ___ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE

x Inflow screening:	None	25%	50%	75%	100%
x Overflow screening:	None	25%	50%	75%	100%
x Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: 0

PORT AFT SCREEN CONTENTS: 0

STARBOARD FORE SCREEN CONTENTS: 0

STARBOARD AFT SCREEN CONTENTS: 0

OVERFLOW 4 HS crab, 2 skates

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 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: **Brunswick Entrance Maint.** **USACE District: Savannah**
Dredge Name: **M/V Bayport** **Dredge Firm: Manson Construction**

Date 3 / 24 / 07 **LOAD #:** 47

Times (24hrs): Start 0353 End 0513 Dump 0549

Location, Lat/Long: N 31° 06 .276 W 081° 20 .460

Condition of screening : Port ok Starboard ok Overflow ok

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 **Wave Height:** 1-2 ft

Wind (speed & direction): ___ **AIR TEMP:** 64 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.2 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: Ø

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab Ø
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO 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: B. Cline **Observer firm:** Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 24 / 07 LOAD #: 48

Times (24hrs): Start 0626 End 0714 Dump 0746

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: light fog

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 2 Wave Height: 1-2 ft

Wind (speed & direction): ___ AIR TEMP: 65 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: ___

PORT AFT SCREEN CONTENTS: 3 HS crab

STARBOARD FORE SCREEN CONTENTS: rope debris

STARBOARD AFT SCREEN CONTENTS: ___
OVERFLOW: 5 jellies (cannonball), 2 HS crab

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: 0739 - Trawler reports C. caretta catch (2 total for today)* C.c.

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: B. Cline Observer firm: Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 24 / 07 **LOAD #:** 49

Times (24hrs): Start 0824 **End** 1032 **Dump** 1129

Location, Lat/Long: N 31° 06.210 W 081° 26.460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ **Condition of deflector:** Good

Type of material dredged: mud & sand
Weather conditions: clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 **Wave Height:** 1 ft

Wind (speed & direction): NE 5 (mph) **AIR TEMP:** 69 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F **Column (mid-depth)** N/A °C/°F **Bottom** N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: 1 HS crab

PORT AFT SCREEN CONTENTS: 0

STARBOARD FORE SCREEN CONTENTS: 0

STARBOARD AFT SCREEN CONTENTS: 0
ARTIFACTS: 0 HS CRAB, 40 JELLYS

Estimate number entrained on this load for the following:

Sturgeon (any species) 0
Shark (any species) 0
Horseshoe crab 27
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: * NRW N 31° 11.6 W 81° 10.3 | Anchor | CRAB *
* only surveyed channel over post-dill survey

Dump for stores mud-dig

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: K. Crow **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. **USACE District:** Savannah
Dredge Name: M/V Bayport **Dredge Firm:** Manson Construction

Date 3 / 24 / 07 **LOAD #:** 50

Times (24hrs): Start 1159 End 1300 Dump 1330

Location, Lat/Long: N 31° 06.296 W 081° 20.460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1' ft

Wind (speed & direction): NE @5 KTS AIR TEMP: 76 °C/°F °F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.3 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: 1 HS crab

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: Ø

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 LC on trawler~~

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight **Observer firm:** Coastwise Consulting Inc.

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 24 / 07 LOAD #: 57

Times (24hrs): Start 1403 End 1512 Dump 1552

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port OK Starboard OK Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1 ft

Wind (speed & direction): NE 5 AIR TEMP: 89 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 16.3 (C)/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: Ø

PORT AFT SCREEN CONTENTS: 2 HS crab

STARBOARD FORE SCREEN CONTENTS: Ø

STARBOARD AFT SCREEN CONTENTS: 1 HS crab

Estimate number entrained on this load for the following:
- Sturgeon (any species) ___
- Shark (any species) ___
- Horseshoe crab 3
- Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ___ NO X
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: TE 1500 8-10 31 06.266 N
81 20.400 W

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting Inc

Endangered Species Observer Program
LOAD DATA FORM

Project Name: Brunswick Entrance Maint. USACE District: Savannah
Dredge Name: M/V Bayport Dredge Firm: Manson Construction

Date 3 / 24 / 07 LOAD #: 52

Times (24hrs): Start 1622 End 1737 Dump 1815

Location, Lat/Long: N 31° 06 . 296 W 081° 20 . 460

Condition of screening : Port ok Starboard ok Overflow OK

Number of dragheads in use: 2 Type of dragheads used: N/K Size of dragheads: 94"
Draghead deflector? YES X NO ___ Condition of deflector: Good

Type of material dredged: mud & sand
Weather conditions: Clear

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown

Beaufort Sea States (Enter BSS 1-8) 1 Wave Height: 1 ft

Wind (speed & direction): NE 5 AIR TEMP: 91 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 18.3 °C/°F Column (mid-depth) N/A °C/°F Bottom N/A °C/°F

SCREEN TYPE						
x	Inflow screening:	None	25%	50%	75%	100%
x	Overflow screening:	None	25%	50%	75%	100%
x	Other screening:	None	25%	50%	75%	100%

PORT FORE SCREEN CONTENTS: 1 Loggerhead head

PORT AFT SCREEN CONTENTS: 6 Rear Flippers, Plastron

STARBOARD FORE SCREEN CONTENTS: [illegible] HEAD

STARBOARD AFT SCREEN CONTENTS:

Estimate number entrained on this load for the following:

Sturgeon (any species) /
Shark (any species) /
Horseshoe crab 5
Blue crab /

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES X NO ___
SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback

Comments: Over Flow 1 Live Loggerhead
1 part of Plastron, 1 Front Flipp
5 lbs crab

Number observers used/24hrs: 2 % Monitoring/24 hrs: None 25% 50% 75% 100%
Observer's Name: S. Knight Observer firm: Coastwise Consulting Inc.