ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: PADRE ISLAND

Project: Canaveral Harbor

Date: 13th / SEPT 11 04

Load # 01 Start 0308 End 0348 Dump 0611

Location (lat/long, stations) 28° 24 N 80° 34 W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear, 3-4' seas, 10-15 Kts.

_____ Water Temp., Surface 28° C (0600) Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead grass Deflector ok

Stbd Draghead grass Deflector ok

Port Inflow, Fore *Limulus polyphemus* (1) Mid _____

Port Inflow, Aft _____ } sargassum, wood + unid'd sea weed.

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft *L. polyphemus* (1)

Port Overflow, Primary ok Secondary ok

Stbd Overflow, Primary ok Secondary ok

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredging began at Cape Canaveral Harbor at 0308h. Endangered species observer Kirsten Dahlen on board. Trawler towing for turtles - pre-dredge trawling relocated 5 turtles. Stopped dredging at 0348 due to problems with trawler. 0945 - Endangered Species Observer on board.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty KIRSTEN DAHLEN

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral Harbor

Date: 13 / Sept / 04

Load # 02 Start 11:47 End 12:49 Dump 13:49 - 14:06

Location (lat/long, stations) 28°24'N 80°34'W Tide Stage Ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy; 3-4' seas, winds ESE 12-15; passing/scattered showers Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead grass, sea grapes, clam shells, wood, electrical wire, holothurian Deflector ok

Stbd Draghead grass, wood, plastic Deflector ok

Port Inflow, Fore grass, plastic, conch shells Mid X

Port Inflow, Aft whelk shells, clam shells, grass, plastic, conch shells

Stbd Inflow, Fore grass, pen shells, conch shells, wood, clay, rubbery bryozoan Mid X

Stbd Inflow, Aft (1) skate (ocellate), grass, plastic, conch shells, whelk shells, clay, wood, sea turtle, hypoplastron (old bone), holothurian, clam shell.

Port Overflow, Primary grass Secondary X

Stbd Overflow, Primary grass Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

1045- Trawler Ashley Michele left dock to return to work

trawler was down from 03:48 - 11:47

14:06 - 14:15 test generator transfer

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Pelecanus occidentalis	2	1200/ buoy 13 / feeding

Observer(s) on duty Kirsten Dahlen / Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: PADRE ISLAND

Project: CAPE CANAVERAL HARBOR

Date: 13 / SEPT / 04

Load # 03 Start 15:07 End 18:21 Dump 19:10-19:31

Location (lat/long, stations) 28° 24' N 80° 34' W Tide Stage flood (1-2')

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy, 3-4' seas, winds, ESE 12-15

Water Temp., Surface 28.5°c (15:30) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead grass, clam shells, palmetto tree Deflector ok

Stbd Draghead grass, rope Deflector ok

Port Inflow, Fore keyhole urchin, grass, wood, stone crab (1) Mid X

Port Inflow, Aft keyhole urchin, grass, limulus polyphemus (1), rope, plastic, algae, conch + whelk + clam shells

Stbd Inflow, Fore grass, pvc pipe, plastic, cloth, metal holothurian Mid X

Stbd Inflow, Aft grass, limulus polyphemus (1), hogfish (1), sea turtle bones, whelk + conch + clam shells, oen shells, coral fossil (stepula, acromium process, hypoplastron, upper rhamphotheca → L. kempii?) holothurian

Port Overflow, Primary grass, wood Secondary X

Stbd Overflow, Primary grass, blue crab (1) Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

16:00 : daily update → 4 turtles caught in trawl nets of Ashley Michelle

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Limulus polyphemus	1	15:55/floating at surface portside of dredge at dig
bottom feeding fish w/barb (sea cat fish)	1	17:11/floating at surface starboard of dredge at dig

Observer(s) on duty Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral Harbor

Date: 13 / Sep / 04

Load # 04 Start 20:24 End 22:35 Dump 23:25-23:41

Location (lat/long, stations) 28°24'N, 80°35'W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy; 3-4' seas; winds ESE 12-15

Water Temp., Surface 28.5°C (15:30) Below Mid-Depth X

Are there incidents involving endangered or protected species? (YES) NO

Note biological samples:

Port Draghead grass, cast net, wood Deflector ok

Stbd Draghead juvenile green turtle, grass, wood Deflector ok

Port Inflow, Fore grass Mid X

Port Inflow, Aft grass, whelk+conch+clam shells, holothurian, blue crab(1)

Stbd Inflow, Fore grass Mid X

Stbd Inflow, Aft limulus polyphegus(2), sea catfish(1), whelk+conch+clamshells, grass, holothurian, whelk, wood, palmetto root.

Port Overflow, Primary grass, wood Secondary X

Stbd Overflow, Primary grass, wood Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Some clay and rock present in boxes

Debris consists of plastic, metal, rubber

Juvenile green sea turtle found lodged between the teeth of the draghead @ approximately 23:30 while at the dump. Several cuts above left fore flipper, under jaw, and in neck area. Bleeding from wounds and eyes. Turtle seemed active, alert and placed in a dark area while awaiting pick up to rehabilitation facility. Iodine swab was applied to wounded areas.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Patricia Kusmierska

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral Harbor

Date: 14 / Sept / 04

Load # 5 Start 0820 End 1043 Dump 1125-1132

Location (lat/long, stations) 28°24 N 80°34 W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) overcast, 2-3' seas, winds E @ 10-12

Water Temp., Surface 28 °C (0600) Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead grass, wood Deflector ok

Stbd Draghead grass, plastic Deflector ok

Port Inflow, Fore P. gigantea, grass, sneaker, plastic, Mid palmetto root

Port Inflow, Aft wood, grass, rocks, metal, Dinocardium robustum, Atrina serrata, Polinices duplicatus

Stbd Inflow, Fore P. gigantea, plastic, wood, sea grass, Mid palmetto fronds

Stbd Inflow, Aft grass, wood, Pleuroploca gigantea, D. robustum, wood, rocks,

Port Overflow, Primary ok Secondary ok

Stbd Overflow, Primary ok Secondary ok

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

2341 (13 Sept) to 0720 (14 Sept) - dredging halted while trawler not working. Dredging resumed after trawler completed 2 passes.

0720 - C. mydas (Load #4) on crewboat ⇒ shore facility

* other samples in inflow boxes include: Sargassum, Spartina spp, Crepidula fornicata, Tagelus plebeius, Donax variabilis and unidentified molluscs.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Caretta caretta	1	0715 / buoy 13 / surfaced to breathe
Tursiops truncatus	1	0850 / marker 14 / feeding
C. caretta	1	0952 / end of south jetty / surfaced to breathe
C. mydas?		1134 / dump / surfaced to breathe

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral Harbor

Date: 14 / Sept / 04

Load # 6 Start 12:28 End 14:20 Dump 15:03 - 15:17

Location (lat/long, stations) 28°24 N 80°34 W Tide Stage ebb to slack

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy; 2-3' seas, winds E 10-12

Water Temp., Surface 28.0°c (14:15) Below Mid-Depth X

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead grass, rope Deflector ok

Stbd Draghead grass Deflector ok

Port Inflow, Fore grass, wood, [illegible] old bone(1) Mid X

Port Inflow, Aft grass; whelk, pen, clam, moon, oyster, murex shells; [illegible]; plastic, aluminum, [illegible]

Stbd Inflow, Fore grass, wood, whelk shell, bone, [illegible] Mid X

Stbd Inflow, Aft [illegible] (1), grass; [illegible]

Port Overflow, Primary grass Secondary X

Stbd Overflow, Primary grass Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

[illegible] clay and rock [illegible]. Dredge material [illegible]

[illegible]

[illegible]

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncata	1/4/	12:25/ Buoy 11/ 12:45 Buoy 13/

Observer(s) on duty Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral Harbor

Date: 14 / Sep / 04

Load # 7 Start 16:18 End 20:55 Dump ~~[illegible]~~ 21:39-21:49

Location (lat/long, stations) 28°24.56'N ; 80°35'.02W Tide Stage flooding

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy ; 2-3' seas ; wind ESE 10-12

Water Temp., Surface 28.0°C (14:15) Below Mid-Depth —

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead Ø Deflector ok

Stbd Draghead grass Deflector ok

Port Inflow, Fore conch shell, old bones (2), rock Mid X

Port Inflow, Aft grass, whelk shell, plastic, aluminum

Stbd Inflow, Fore whelk shell Mid X

Stbd Inflow, Aft grass, rubber toy, [illegible], plastic

Port Overflow, Primary Ø Secondary X

Stbd Overflow, Primary rope Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredge material is primarily sand

100% effective screening

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
adult sea turtle	1	16:00 / just inside channel near buoy 7 (swimming close to surface) direction to shore
[illegible]	4 / 2	17:30 - [illegible] channel [illegible] buoy 13 / 18:00 - near buoy 11 just outside of channel

Observer(s) on duty Patricia [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral Harbor

Date: 14 / 09 / 04

Load # 8 Start 22:32 End 0107 Dump 0210

Location (lat/long, stations) 28°24.57 N 80°34.95W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy, seas 2-3, winds E 10-12

Water Temp., Surface 27.5C (0100) Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead grass, metal pipe, salt bag, plastic, fishing line Deflector OK

Stbd Draghead grass, plastic, tire tube, Deflector OK

Port Inflow, Fore grass Mid

Port Inflow, Aft grass, plastic, A. serrata, D. robustum, Donax spp., Busycon spp., P. gigantea (feathery bryozoa, Strombus alatus, contrarium)

Stbd Inflow, Fore grass, plastic, D. robustum, Busycon spp. (contrarium) Mid P. gigantea, sargassum (fishing line)

Stbd Inflow, Aft grass, plastic, D. robustum, P. gigantea, sargassum, decayed skate (end P. duplicatus)

Port Overflow, Primary grass Secondary

Stbd Overflow, Primary grass, rope Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is mostly sand w/ some silt, clay + roc

Ashlee, Michelle + Cheryl Lynn trawling for turtles

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Patricia Kusnick + Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 15 / Sept / 04

Load # 9 Start 1314 0814 End 0550 Dump 0708

Location (lat/long, stations) 28°24 W 80°34 W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, 4-5' seas, ε 10-15

Water Temp., Surface 28°C (0600) Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead steel table, fishing line, pvc pipe, crab trap, fishing net Deflector ok

Stbd Draghead grass, D. robustum, plastic, wood Deflector ok

Port Inflow, Fore grass, pvc, plastic Mid

Port Inflow, Aft Busycon contrarium, D. robustum, (2) P. gigantea, Laevicardium laevigatum, coral, rock, glass, fishing net, aluminum can, Mercenaria campechiensis, pvc pipe, busy eight

Stbd Inflow, Fore grass, fishingline Mid

Stbd Inflow, Aft grass, (1) L. polyphemus, (2) P. gigantea, D. robustum, Strombus alatus, grass, palmetto root/trunk, wood

Port Overflow, Primary clear Secondary

Stbd Overflow, Primary grass, wood Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is mainly sand w some silt, rock + clay.

Ashlee Mickells + Cheryl Lynn trawling for turtles

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 15 / Sept / 04

Load # 10 Start 0820 End 1118 Dump 12:11-12:23

Location (lat/long, stations) 28°24 N 80°34 W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) partly-mostly cloudy, 4-5' seas, ε 10-18

Water Temp., Surface 28°C (0800) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead grass Deflector ok

Stbd Draghead grass Deflector ok

Port Inflow, Fore grass, plastic, fishing line, sargassum, Mid P. gigantea

Port Inflow, Aft Strombus alatus, B. contrarium, D. robustum, P. gigantea

Stbd Inflow, Fore spartina, coral rock, plastic, pvc Mid P. gigantea, Laevicardium laevigatum

Stbd Inflow, Aft Dinocardium robustum Sciaenops ocellatus, Credipula fornicata, C. plana, Busycon contrarium

Port Overflow, Primary grass Secondary

Stbd Overflow, Primary rope Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is mostly sand w some silt, clay + rock
Cheryl Lynn + Ashlee Michelle ~~dredgi~~ trawling for turtles
started load on STBD arm only (dredging on one engine) (⇒ 0855)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Lepidochelys Kempii	1	0734 / returning from dump / swimming at surface ⇒ Sea
Fregata magnificens	1	0830 / feeding near jetties

Observer(s) on duty Kirsten Dahlen / Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cayo Canaveral

Date: 15 / 09 / 04

Load # 11 Start 13:15 End 15:31 Dump 16:52-17:05

Location (lat/long, stations) 28°24'.56 N 80°35'.05 W Tide Stage ebb to slack (14:56)

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, seas 3-4', wind E 10-18

Water Temp., Surface 28°C (13:55) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead grass, fishing line, plastic Deflector ok

Stbd Draghead grass, metal rod Deflector ok

Port Inflow, Fore grass, rock, whelk shell Mid X

Port Inflow, Aft grass, rock, southern ray (1), holothurians, whelk + murex shells, wood, plastic, aluminum

Stbd Inflow, Fore rock Mid X

Stbd Inflow, Aft grass, hardhead catfish (1), metal rod, annelid, holothurians

Port Overflow, Primary Ø Secondary X

Stbd Overflow, Primary Ø Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is a mix of sands and clay with some cemented rock

100% effective screening

buoy 13 was relocated to original position

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	~15	15:00-16:00 / outside of channel near buoy 13 at dig site

Observer(s) on duty Patricia Kusmierczyk

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 15 / 09 / 04

Load # 12 Start 17:58 End 22:32 Dump 21:19-21:29

Location (lat/long, stations) 28°24.56' N 80°35.00' W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy; seas 3-4', winds

Water Temp., Surface 28°c (13:55) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Ø Deflector ok

Stbd Draghead Ø Deflector ok

Port Inflow, Fore Sargassum weed, conch shell rock Mid X

Port Inflow, Aft ~~[illegible]~~ wood, rock

Stbd Inflow, Fore Ø Mid X

Stbd Inflow, Aft Southern sting ray (1), wood, rock

Port Overflow, Primary Ø Secondary X

Stbd Overflow, Primary Ø Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredge material primarily sand with some cemented rock + shell

100% effective screening

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncata	4	18:30/inside channel + at jetties near dig site

Observer(s) on duty Patricia Kusminski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 15 / 09 / 04

Load # 13 Start 22:23 End 0056 Dump 0146

Location (lat/long, stations) 28°24.57 N 80°35.03 W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) mostly cloudy, sizes 3-4', winds E 10-18

Water Temp., Surface 29.0°C (23:05) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead ok Deflector Ok

Stbd Draghead wood, spartina, sargassum Deflector ok

Port Inflow, Fore Mid

Port Inflow, Aft metal, spartina, grass rhizomes grass, P. gigantea, spartina, steel cable, plastic, coral rock, Busycon contrarium

Stbd Inflow, Fore plastic, P. gigantea, spartina Mid

Stbd Inflow, Aft wood, pvc, diver flipper, sargassum, plastic, metal, A. serrata frisbee, grass, Atrina rigida, C. radipula fornicata, old turtle rib, + hypopl. bones

Port Overflow, Primary grass Secondary

Stbd Overflow, Primary ok Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

material is mainly sand w some silt, clay + rock

Ashlee, Michelle + Cheryl Lynn trawling for turtles

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Patricia Kusmierski + Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 16 / Sept / 04

Load # 14 Start 0255 End 0453 Dump 0546

Location (lat/long, stations) 28°24 N 80°35W Tide Stage slack-1 flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear 2-3' seas

Water Temp., Surface 27.5°C Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead PVC pipe, fiberglass Deflector OK

Stbd Draghead rope Deflector OK

Port Inflow, Fore OK Mid

Port Inflow, Aft P. gigantea, Spartina spp., rock, PVC pipe, metal pipe, Donax var. abs.

Stbd Inflow, Fore OK Mid

Stbd Inflow, Aft Sargassum, fishing line, wood, palmetto, Busycon spp., (1) L. polyphemus

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is mainly sand w some silt, sand + clay.
Ashlee Michelle + Cheryl Lynn trawling for turtles.
- very light samples in boxes for this load.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 16 / Sept / 04

Load # 15 Start 0648 End 0927 Dump 1017

Location (lat/long, stations) 28°24 N 80°34 W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear; 2-3' seas, N 10-15

_____ Water Temp., Surface 28°C (0700) Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead spartina, wood, plastic, fishing line Deflector 0h

Stbd Draghead seat cushion, spartina Deflector 0h

Port Inflow, Fore wood, spartina, coral foss.? Mid _____

Port Inflow, Aft wood, spartina, plastic, palmetto fronds? Dasyastis americana

Stbd Inflow, Fore wood, P. gigantea Mid _____

Stbd Inflow, Aft wood, plastic, palmetto, holothurians, D. robustum, A. rigida, A. serrata

Port Overflow, Primary OK Secondary _____

Stbd Overflow, Primary OK Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is mainly sand w/ some silt, clay + rock

Ashles Michelle + Cheryl Lynn trawling to relocate turtles from work area;

40 turtles relocated since 13 Sept. 04.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tt	4-8	0700- feeding @ north jetty
Fregata magnificens	1H (juv.)	0840- feeding @ north jetty + S. jetty

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 16 / Sept / 04

Load # 16 Start 11:56 End 14:56 Dump 15:49-16:01

Location (lat/long, stations) 28°24 N 80°34 W Tide Stage ebb

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy, 2-3 seas, N/O

Water Temp., Surface 28°C (07:00) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead rope, net, tree branch Deflector ok

Stbd Draghead grass, rope, fishing line Deflector ok

Port Inflow, Fore palmetto tree Mid X

Port Inflow, Aft grass, cephalopod, rock, conch shell, old turtle bone (carapace)

Stbd Inflow, Fore rock Mid X

Stbd Inflow, Aft grass, southern stingray (1), southern flounder (1), rope, metal, fishing line, plastic, wood, PVC, old turtle bone (plastron) PVC

Port Overflow, Primary Ø Secondary X

Stbd Overflow, Primary Ø Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material is mostly sand w some silt, clay + rock

Trawlers Ashlee Michelle + Cheryl Lynn relocating turtles in dredging area

Screening 100% effective

Repairs made to starboard arm on way back from dredge

Lost pin to port aft box while dumping ... moved pin from starboard aft box to port aft box

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Carata caretta	1	~14:00 / at dig site in channel (red buoy side) / escaped from trawler's net

Observer(s) on duty Kirsten Dahlen / Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 16 / 09 / 04

Load # 17 Start 18:01 End 21:35 Dump 22:26-22:38

Location (lat/long, stations) 28°24'.57 N 80°35'.05 W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) mostly clear, seas 2-3', winds SE 15 kts

Water Temp., Surface 29.0°C (18:25) Below Mid-Depth —

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead roots Deflector ok

Stbd Draghead ∅ Deflector ok

Port Inflow, Fore ∅ Mid X

Port Inflow, Aft cloth, wire

Stbd Inflow, Fore ∅ Mid X

Stbd Inflow, Aft grass, wood

Port Overflow, Primary stingray (1) Secondary X

Stbd Overflow, Primary Wood Secondary X

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredged material consists primarily of sand with some clay + rocks
100% effective screening

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 17 / 09 / 04

Load # 18 Start 23:37 End 0157 Dump 0245

Location (lat/long, stations) 28°24.56 N 80°34.96 W Tide Stage ebb-sl-flood

Weather (wind dir, beaufort, sea state, temp, etc.) Partly cloudy; seas 2-3', winds SE 15-18 kts

Water Temp., Surface _____ Below Mid-Depth —

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead Sparting, hose, salt bag, wood Deflector ok

Stbd Draghead wood, fishing line, salt bag, grass Deflector ok

Port Inflow, Fore Ø Mid _____

Port Inflow, Aft Sparting, wood, Atrina serrata, Strombus alatus, P. gigantea, D. robustum, Busycon spp.

Stbd Inflow, Fore Ø Mid _____

Stbd Inflow, Aft Sparting, wood, rocks, fishing line, P. gigantea, holothurians (unid'd), plastic strap, palmetto

Port Overflow, Primary OK Secondary _____

Stbd Overflow, Primary OK Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- Dredged material mostly sand w some silt+clay.
- Inflow boxes in excellent condition - 100% effective.
- Trawlers Ashlee Michelle + Cheryl Lynn continue to relocate turtles from the dredging area.
- no pin in STS after box

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Padre Island

Project: Cape Canaveral

Date: 17 / Sept / 04

Load # 19 Start 0345 End 0556 Dump 0637

Location (lat/long, stations) 28°24N 80°34W Tide Stage flood

Weather (wind dir, beaufort, sea state, temp, etc.) partly cloudy; 1-3 seas, S 5-10

Water Temp., Surface 27.5°C (0300) Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead rope Deflector OK

Stbd Draghead wood, copper, gear, salt bag Deflector OK

Port Inflow, Fore D. americana, spartina, wood, plastic Mid, dive mask, Busycon spp.

Port Inflow, Aft P. gigantea, D. robaster, Strombus alatus, Busycon spp, C. floridana, C. fornicata

Stbd Inflow, Fore spartina, wood, plastics, fishing line Mid C. plana, D. variabilis

Stbd Inflow, Aft (1) L. polyphemus, P. gigantea, Busycon spp, plastic, cloth, rope, shoe

Port Overflow, Primary OK Secondary

Stbd Overflow, Primary OK Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- Dredged material is mostly sand w some silt, clay & rock
- Screening is in excellent condition - 100% effective.
- Trawlers Ashlee Michelle and Cheryl Lynn continue to relocate turtles from dredging area
- no pin in STB after bar

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 20 LOAD start date: 17 Sept 04 Times (24hrs): Start 0727 End 1131

Condition of screening : Port Excellent Starboard Excellent Overflow ____

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6' x 4'

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

Type of material dredged: mostly sand, with some silt, clay + rock

Weather conditions: mostly clear, 1-3' seas, winds S S

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown (Rise to slack + turn ht. = 10:16 am)

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kt.

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%~~

DRAGHEAD CONTENTS: CLEAR.

PORT SCREEN CONTENTS: palmetto, P. gigantea, Crepidula fornicata, C. plana, D. robustum, C. virginica, L. lavigatum, spartina, sargassum, wood, plastic, steel cable, monofilament, palmetto

STARBOARD SCREEN CONTENTS: P. gigantea, D. robustum, Crassostrea virginica, Laevicardium laevigatum, Dasyatis americana, Aetobatus narinari, Manta birostris, spartina, sargassum, grasses, palmetto, cloth, monofilament

Estimate number entrained on this load for the following:

Sturgeon (any species) ϕ

Shark (any species) ϕ

Horseshoe crab ϕ

Blue crab ϕ

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

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

Comments: 2 cruise ships passed while loading.

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

Observer's name: Kirsten Dahlen / Patricia Kusmierski Observer firm REMSA

Observer signature Kirsten Dahlen / Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 21 LOAD start date: 17-Sept-04 Times (24hrs): Start 13:36 End 16:57

28°24.56N 80°34.99W

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Dredge material primarily sand mixed w/some clay, rock + silt

Weather conditions: partly cloudy, calm seas, passing showers

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown (Lt = 4:25pm)

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

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

Waves: 1-2 ft Wind (speed & direction): 4-6 kt.

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

WATER TEMP: Surface 28.5 (C)/°F ~~Column~~ (mid-depth) 28.3°C (C)/°F Bottom _____ °C/°F

(14:15) Bottom dredge (17 depth)(14:05)

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

DRAGHEAD (PORT): metal DRAGHEAD (STBD): fishing line

PORT SCREEN CONTENTS: 2 Limulus polyphemus, grass, palmetto tree, holothurians, whelk, clam, olive, sl. gper shells, metal, plastic, pvc pipe, rock, clay, rope, wood

port overflow: (1) hardhead catfish, grass

STARBOARD SCREEN CONTENTS: grass, wreckfish(1), plastic, metal, wood

stbd overflow: grass

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: 2 cruise boats passed at dig site in channel

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 22 LOAD start date: 17-Sept-04 Times (24hrs): Start 18:34 End 23:16

28°24.69N 80°35.03W

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w/ some silt, clay, rock

Weather conditions: partly cloudy, calm seas,

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

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

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

Waves: 2 ft Wind (speed & direction): 7-10 kts

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

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

SCREEN TYPE

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

OVERFLOW SCREENS: CLEAR

PORT SCREEN CONTENTS: Limulus polyphemus (1), wood, grass, metal, palmetto tree, toys

STARBOARD SCREEN CONTENTS: Sus scrofa (1), wood, grass, fishing line, metal, cloth

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: ____

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 23 LOAD start date: 18-Sept-04 Times (24hrs): Start 0043 End 0250

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

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

Type of material dredged: primarily sand, with some silt, clay and rock.

Weather conditions: mostly cloudy, 1-2' seas, winds 5 kts N

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

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

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

Waves: 1 ft Wind (speed & direction): 5 N

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

WATER TEMP: Surface 28 °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%)
NA	Other screening:	None	25%	50%	75%	100%

DRAGHEADS: Spartina, clay, rope, monofilament

PORT SCREEN CONTENTS: wood, rock, spartina, net, monofilament, Ziploc, hydrothurian, D. americana

STARBOARD SCREEN CONTENTS: rope, wood, frisbee, P. gigantea, spartina, monofilament, hose, C. fornicata, C. plana, Crassostrea virginica

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: Ashlee Michelle + Cheryl Lynn trawling for turtles -

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13 Sept. 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 24 LOAD start date: 18 Sept-04 Times (24hrs): Start 0455 End 0739
dump 0820

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: mostly sand with some silt, clay + rock

Weather conditions: partly cloudy, 1' seas, lt breeze,

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

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

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

Waves: .5 ft Wind (speed & direction): 3-4 N

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

WATER TEMP: Surface 28 (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%)
NA	Other screening:	None	25%	50%	75%	100%

DRAGHEADS:

PORT SCREEN CONTENTS: SPARTINA, P. gigantea, D. robustum, Oliva sayana, Mucra spp, Plicatula gibbosa, Polinices duplicata,

STARBOARD SCREEN CONTENTS: SPARTINA, Crassostrea virginica, (1) Limulus polyphemus, Crepidula fornicata, C. plana,

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 _____ (2 old hypoplastron bones)

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

Comments: Trawlers Ashlee Michael + Cheryl Lynn relocating turtles
2 cruise ships in channel / bridge area during this load.
1 tanker in channel during dump cycle

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc.

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912 EP-04-C-0035 Maintenance X /New Work ____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 25 LOAD start date: 18-Sept-04 Times (24hrs): Start 0912 End 12:48

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: Small 4x6

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

Type of material dredged: mostly sand w some clay, silt & rock

Weather conditions: partly cloudy, 1' seas, lt air

Tidal stage (CIRCLE ONE): Slack (Rising) High Falling Low Unknown (to slack return at 11:05am)

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

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

Waves: 1 ft Wind (speed & direction): 3-5 Kts. N

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

WATER TEMP: Surface 28° (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%)
NA	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: (spartina) grass, wood, rock, plastic, blue crab(1), rubber, net monofilament line, pvc pipe, whelk, clam alive, slipper shells, horseconch shell

overflow: grass (spartina), wood (spartina), dragheads, net, monofilament line

STARBOARD SCREEN CONTENTS: (spartina) grass, wood, sargassum weed

overflow: grass (spartina), dragheads, cloth

Estimate number entrained on this load for the following:

Sturgeon (any species)	Ø
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: Supply boat in channel during dredging. Trawlers Ashlee Michelle + Cheryl Lynn releasing turtles. 2 Cruise ships in channel during loading. Lots of recreational fishermen are around jetties (around 30 ±)

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

Observer's name: Patricia Kaminski Observer firm REMSA, Inc.

Observer signature: Patricia Kaminski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 26 LOAD start date: 18-Sept-04 Times (24hrs): Start 14:16 End 16:31

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

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

Type of material dredged: primarily sand w/ some clay + rock

Weather conditions: partly cloudy, calm seas

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown LT = 5:22 pm

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kt

AIR TEMP: 27.0 (°C)/°F (16:20) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 28 (°C)/°F (16:10) Column (mid-depth) 27.5 (°C)/°F (16:15) Bottom 28.3 (°C)/°F (16:20) (dredge thermometer)

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

PORT SCREEN CONTENTS: 3 old turtle bones (hypoplastron, acromion process, rib); spartina alterniflora; thalassia testudinum; halodule spp.; wood; rock; knobbed whelk shell; plastic; metal [overflow]: wood, spartina alterniflora [draghead] string

STARBOARD SCREEN CONTENTS: spartina alterniflora; wood, rock; fiberglass; aluminum; knobbed whelk shell; channel whelk shell

[overflow]: wood, rope, spartina alterniflora [draghead] clear

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 ___ (NO TAKE)

★old bones (see contents)

SPECIES OF TURTLE TAKE: Unknown Loggerhead Green Kemp's ridley Hawksbill Leatherback NONE

Comments: 3 cruise ships past in channel while digging

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

Observer's name: Patricia Kwaniewski Observer firm REMSA

Observer signature: Patricia Kwaniewski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 27 LOAD start date: 18-Sept-04 Times (24hrs): Start 18:01 End 21:53

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

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

Type of material dredged: primarily sand with some cemented rock + shell

Weather conditions: mostly clear, calm seas

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

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kts

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

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

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

PORT SCREEN CONTENTS: spartina alterniflora, thalassia testudinum, halodule spp, annelid, holothurians, unidentified whelk + clam shells, rock

overflow: grass draghead: rope

STARBOARD SCREEN CONTENTS: spartina alterniflora, holothurians, plastic

overflow: grass draghead: clear

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: 2 cruise ships passed while dredging

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓/New Work ____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 28 LOAD start date: 18 Sept-04 Times (24hrs): Start 23:44 End 0328 Dump 0412

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: mostly sand w/ some silt, clay + rock

Weather conditions: mostly clear, calm seas => seas w/ 2' swell, passing showers, mostly cloudy.

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

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

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

Waves: 5 ft Wind (speed & direction): 4-6 Kt.

AIR TEMP: 27 (C)/F (0000) (°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						
100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
—	Other screening:	None	25%	50%	75%	100%

Draghead: Spartina, Thalassia, palmetto rope, monofilament, wood

PORT SCREEN CONTENTS: Knobbed whelk egg case, Spartina, monofilament, plastic, metal, P. gigantea (old) turtle rib, D. robustum, C. virginica, Callinectes sapidus, sea cucumber, feathery bryozoa,

STARBOARD SCREEN CONTENTS: Spartina, plastic, metal, palmetto, pvc pipe, cloth, C. virginica, rock, coral "fossil", Atrina rigida, A. serrata, C. fornicata

STB: Overflow: Pasyatis americana Port: Sargassum, Spartina

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: Cruise ships in channel just before started digging load, and 1 cruise ship in channel during loading. Delay @ 0100 for traffic + 1 trawler down (lost gear) waiting one for other to return from off-shore run (to release turtles)

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

Observer's name: [illegible] Kasmierski / Kirsten Dahlen Observer firm REMSA

Observer signature [illegible] / Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13 Sept. 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD+D

LOAD #: 29 LOAD start date: 19. Sept. 04 Times (24hrs): Start 0530 End 14:35

GPS coord: 28°24.58N 80°34.85W

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4x6

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent metal screening 8"x8"

Type of material dredged: mostly sand w/ silt, clay + rock

Weather conditions: partly cloudy, 2' swell, winds variable @ 5 Kts. increasing cloudiness throughout early am

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

Slack ebbing @ 1200h

high @

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

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

Waves: 2 ft Wind (speed & direction): 5 Kts, variable

AIR TEMP: ~~27.5~~ °C/°F (0700) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 27.5 °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%
NA	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: (port arm on deck @ 0550) spartina, coral, rock, P. gigantea, Busycon spp., /(end.) same as above + sargassum, cloth, plastic, aluminum, gulf pipefish [Syngnathus scovelli] bank cusk-eel (1) [Ophidion holbrooki]; Keyhole urchin overflow: grass, wood / draghead: grass, wood, rope /

old neural scute (Sea turtle)

STARBOARD SCREEN CONTENTS: spartina, monofilament, sargassum, thalassia, crutch, pvc pipe, plastic, /(01:00): aft box - spartina, monofilament, sargassum, thalassia, pvc pipe, plastic, rubber, palmetto tree, holothurians, halodule / same as above (end...) + rhodophyta + rock: whelk, murex + olive shells + clam

Estimate number entrained on this load for the following:

Overflow: southern; grass, wood; snow; Stingray (1) [Dasyatis americana]

draghead: grass, wood, plastic, monofilament, net, burlap, oyster shell, battery, egg cases, Busycon sp, blue crab (Callinectes)

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

ostrea virginica

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

1 old neural scute in port aft box

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

/Coast Guard/Shipping traffic * many recreational boats around channel jetties

Comments: cruise ships in channel before + during loading. One trawler working 0717 - 0815 not dredging due to problems w/ both trawlers - resumed when Cheryl Lynn returned to dredging site. delay til 1046 due to port drag arm. Digging [illegible]

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

Observer's name: Kirsten Dahlen / Patricia Kusmierski Observer firm REMSA Inc.

Observer signature Kirsten Dahlen / Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance X /New Work _____ PROJECT start date 13 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 30 LOAD start date: 19-Sept-04 Times (24hrs): Start 2128 End 0035

28°24.57N 80°34.99W

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4'x6'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w/some clay + rock

Weather conditions: partly cloudy, passing showers, calm seas

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

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

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

Waves: 2 ft Wind (speed & direction): 7-10 kts

AIR TEMP: 24.0 (C)/F (22:20) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 28.0 (C)/F (22:15) Column (mid-depth) _____ °C/F Bottom 27.2°C (C)/F (22:20 - ship thermistor)

SCREEN TYPE

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

PORT SCREEN CONTENTS: (2) L. polyphemus, Spartina, monofilament, P. gigantea, plastic shoe, rock, palmetto

DRAG: turf, Spartina, sargassum

STARBOARD SCREEN CONTENTS: (2) L. polyphemus, Atrina serrata, Spartina, salt bag, PVC pipe, Dinocardium robustum, palmetto

Drag: wood, salt bag, Spartina, monofilament

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: Ashlee Michelle back in operation for start of load. Delay in between load 29+30 due to GPS antennae malfunction aboard Padre Island

4 cruise ships in channel ~~after~~ during load.

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

Observer's name: Patricia Kusmierski / Kirsten Dahler Observer firm REMSA, Inc.

Observer signature _____

Kirsten Dahler

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance X /New Work ____ PROJECT start date 13-Sept.04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD+D

LOAD #: 31 LOAD start date: 20 Sept 04 Times (24hrs): Start 0204 End 0450

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4x6

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

Type of material dredged: mostly sand w/silt, clay trace

Weather conditions: partly to mostly cloudy, E5, passing showers 1' seas winds increasing to 15-20 kts by 0400, seas increasing to 3-4"
↳ gusts to 35

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

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

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

Waves: 1' ⇒ 4' ft Wind (speed & direction): 5 ⇒ 15-20 E ⇒ ESE

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

WATER TEMP: Surface 26.5 (°C) 0400 /°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%)
NA	Other screening:	None	25%	50%	75%	100%

Drag: Palmetto rope, fiberglass, plywood

PORT SCREEN CONTENTS: (2) turtle ribs (old); old Tursiops bones (vertebrae + pelvic), (1) L. polyphemus, Busycon spp, Spartina, Dorobustum, Dasyatis americana, rock, fiberglass

STARBOARD SCREEN CONTENTS: (2) L. polyphemus, (1) old turtle rib, Spartina, (1) Callinectes sapidus, bryozoa, sargassum, spartina, Thalassia, rope, rock, Busycon spp Drag: rope, bag, spartina, monofilament

Estimate number entrained on this load for the following:

Sturgeon (any species) –

Shark (any species) –

Horseshoe crab 3

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES X NO ____ (old bones) (3 pleural bones)

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

Comments: 3 cruise ships during this load cycle. Trawlers Ashlee Michelle + Cheryl Lynn relocating turtles

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD'D

LOAD #: 32 LOAD start date: 20 Sept 04 Times (24hrs): Start 0700 End 1041

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

Draghead deflector? YES Y NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w some silt, clay + rock; substantial amount of clay

Weather conditions: mostly cloudy, ESE 15-20, gusts to 35, seas 3-6' scattered showers, periods of low visibility during rain showers, fog at times

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

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

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

Waves: 5 ft Wind (speed & direction): ESE 15-20

AIR TEMP: 25.5 °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 27 °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%
NA	Other screening:	None	25%	50%	75%	100%

Port Drag: net, monofilament line, rope

PORT SCREEN CONTENTS: Spartina, sargassum, crutch, pvc pipe, metal, coral, wood, palmetto, Donax variabilis, Oliva sayana, Dasyatis americana, old sea turtle hypoplastron, Busycon spp., plastic

STARBOARD SCREEN CONTENTS: Spartina, cloth, elastic, monofilament, coral "rock", (1) L. polyphemus, C. fornicata, holothurians, Thalassia, bryozoa, plastic, STB Drag: clear

Estimate number entrained on this load for the following: overflow: rope, pvc, spartina

Sturgeon (any species) —

Shark (any species) —

Horseshoe crab 1

Blue crab —

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ✓ NO ____ (old sea turtle hypoplastron)

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

Comments: 111 Cruise ships/freighters in channel during this load cycle. Trawlers Ashlee Michelle + Sheryl Lynn relocating turtles.

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc.

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance 4 /New Work _____ PROJECT start date 15 Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 33 LOAD start date: 20-Sept-04 Times (24hrs): Start 14:27 End 18:41

28°24.61'N 80°34.90W

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4'x6'

Draghead deflector? YES 4 NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand with some clay, silt & rock

Weather conditions: partly sunny, passing storms

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

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

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

Waves: 4-5 ft Wind (speed & direction): ESE 11-16 Kt.

AIR TEMP: 26.0 (°C) °F (18:20) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 28.0 (°C) °F (18:15) Column (mid-depth) _____ °C °F Bottom 27.2 (°C) °F (18:20)

SCREEN TYPE

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

PORT SCREEN CONTENTS: Rhizophora mangle seedlings, plastic, cloth, spartina alterniflora, clam shell, wood, metal, Sargassum weed

overflow: grass dragheads: wood, spartina, cloth

STARBOARD SCREEN CONTENTS: cloth, spartina alterniflora, rope, monofilament, rock

overflow: grass, plastic dragheads: rubber

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: Delay in load start due to GPS antenna malfunction

2 cruise ships passed in channel while digging

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

Observer's name: Patricia Kusmierski Observer firm REMSA, Inc.

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-Sep-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 34 LOAD start date: 20-Sep-04 Times (24hrs): Start 20:50 End 22:35

28°24' 80°35'

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4'x6'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand with some clay, silt + rock

Weather conditions: overcast + passing storms → steady storms late into evening

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

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

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

Waves: 5-7 ft Wind (speed & direction): ESE 17-21 kt.

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

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

PORT SCREEN CONTENTS: rock, sargassum, PVC, Spartina, cloth, D. americana

STARBOARD SCREEN CONTENTS: Sargassum, palmetto, Spartina, monofilament

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: 22:35 Weather delay + Wait out return of trawler Cheryl Lynn from relocating turtle 1 freighter passing during load + 11 cruise ship Samples light as not a full load

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

Observer's name: Patricia Kusmierski / Kirsten Dahlen Observer firm REMSA

Observer signature Patricia Kusmierski / Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-Sep-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 35 LOAD start date: 21 Sept 04 Times (24hrs): Start 0849 End 12:08

Condition of screening: ★Port Excellent Starboard Excellent Overflow Excellent
★(Warped aft box door - pin is in place)

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: mostly sand w clay, silt + rock

Weather conditions: overcast, ENE 20-25 ↓ 10-15, 2-3' chop in channel, 6-7' at disposal area, scattered showers

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

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

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

Waves: 3-4 ft Wind (speed & direction): ENE 10-25 (decreasing to 10-15 in late am) (Sea state - 4 to 3)

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

WATER TEMP: Surface 26 · (°C)/°F Column (mid-depth) ____ °C/°F Bottom 27.2 (°C)/°F previous night

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

PORT SCREEN CONTENTS: horse conch shells, whelk shells, cockle shells, spartina alterniflora, plastic rope, wood, shoe, cloth, pvc pipe
overflow: grass dragheads: palmetto tree, grass, monofilament line

STARBOARD SCREEN CONTENTS: 2 limulus polyphemus, 1 hypoplastron (old sea turtle bone), Rhizophora mangle seedlings, spartina alterniflora, Thelassia testudinum, cloth, plastic, PVC
overflows: grass, wood, Chelonia mydas dragheads: grass, rope

Estimate number entrained on this load for the following: ★PVC pipe (lodged in door → created an opening during dig in starboard fore box)

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: 0700 - Trawlers Ashlee Michelle + Cheryl Lynn start relocating turtles against 11 cruise ships / freighters in channel before + during loading

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

Observer's name: Kirsten Dahlen / Patricia Kowalski Observer firm REMSA, Inc.

Observer signature Kirsten Dahlen Patricia Kowalski

★ NOTES ON SCREENING

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-Sept.04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD+P

LOAD #: 36 LOAD start date: 21-Sep-04 Times (24hrs): Start 18:05 End 23:06

28°24.57 N 80°34.96 W

Condition of screening: Port Excellent Starboard Excellent Overflow Excellent

small gap on inboard sect. & port after box

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w/ some clay, silt, rock

Weather conditions: overcast

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown fall to slack to rise ht at 14:00 / Lt ~ 20:00

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

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

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

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

WATER TEMP: Surface 27.5 °C/°F (23:00) Column (mid-depth) ____ °C/°F Bottom 26.7 °C/°F (17:15)

SCREEN TYPE

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

PORT SCREEN CONTENTS: string, monofilament line

(Trinectes maculatus), overflow: clear draghead:

STARBOARD SCREEN CONTENTS: fiberglass, wood, P. gigantea shell, hogchoker (1)

overflow: Spartina alterniflora, wood draghead:

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: Ordered back to work @ 18:05. Delay in dig due to boat traffic & return of trawlers into dig area. 11 Cruise Boats + 1 freighter

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

Observer's name: Patricia Kusmiarski Observer firm REMSA

Observer signature Patricia Kusmiarski

ENDANGERED SPECIES OBSERVER PROGRAM

W912EP-04-C-0035 LOAD DATA FORM

USACE DISTRICT: Jax

CONTRACT #: ~~W912EP~~ Maintenance ✓/New Work ___ PROJECT start date 13 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD

LOAD #: 37 LOAD start date: 22 Sept 04 Times (24hrs): Start 0136 End 0458

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

(small gap inboard corner of port after box)

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

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

Type of material dredged: primarily sand w/ silty clay & rock

Weather conditions: partly to mostly cloudy, winds ENE 10-15, 2-3' chop in channel; 4-6' at dump

Tidal stage (CIRCLE ONE): Slack ← (Rising) High (Falling) Low Unknown Rising → sl → falling

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

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

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

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

WATER TEMP: Surface 25.5 (°C)/°F (0000) Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: plastic spartina, P. gigantea, D. robustum, Oliva sayana, old sea turtle xiphiplastron bone, sargassum, Bryozoa spp, Rhizopora mangle root. Drag: plastic

STARBOARD SCREEN CONTENTS: spartina, pvc pipe, cloth plastic, dive flipper, P. gigantea, D. americana, Donax variabilis, Polinices duplicatus, (1) Callinectes sapidus, (1) Limulus polyphemus, palmetto

Estimate number entrained on this load for the following: Drag: fiberglass, strap, palmetto

Sturgeon (any species) ∅

Shark (any species) ∅

Horseshoe crab 1

Blue crab 1

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ✓ NO ___ (old sea turtle xiphiplastron)

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

Comments: Ashlee Michelle + Cheryl Lynn relocating turtles
2 cruise ships/freighters during loading

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc.

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 18 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 38 LOAD start date: 22 Sept. 04 Times (24hrs): Start 0720 End 12:15

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

small gap in inboard section

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4'x6'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w some silt, clay + rock

Weather conditions: partly cloudy, cold 10-15, 2-4' chop (in channel); 5-7' swell at disposal area

Tidal stage (CIRCLE ONE): Slack ⇒ Rising High Falling Low Unknown f ⇒ s-R

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

0 = <1 knot/ 0 ft	3 = 7-10 knot/ 2 ft	6 = 22-27 knot/10 ft	9 = 41-47 knot/23 ft	12 = >63 knot/45
1 = 1- 3 knot/ 0.25 ft	4 = 11-16 knot/ 4 ft	7 = 28-33 knot/14 ft	10 = 48-55 knot/29 ft	
2 = 4- 6 knot/ 0.5 ft	5 = 17-21 knot/ 6 ft	8 = 34-40 knot/18 ft	11 = 56-63 knot/37 ft	(Lt = 8:19)

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

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

WATER TEMP: Surface 26.5 °C °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%
NA	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina, plastic, costal scute of sea turtle (old bone), snake eel [Myrophis punctatus], striped bass (1) (Morone saxatilis)

overflow: clear draghead: palmetto, plastic chair, spartina,

STARBOARD SCREEN CONTENTS: Spartina, plastic, dentary of lower jar of sea turtle (old bone), Halodule spp., Rhizophora mangle seedling, wood, rock, annelid, holothurians, rope, string monofilament line, net. overflow: plastic chair draghead: monofilament, swim goggles

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 ____ (2 old bones from sea turtle)

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

Comments: Ashlee Michelle + Cheryl Lynn relocating turtles.

IIII cruise ships/freighters in channel before + during Load (and 1 Coast Guard vessel) + several sports fishermen.

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13 Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD+D

LOAD #: 39 LOAD start date: 22-Sept-04 Times (24hrs): Start 15:16 End 17:37

Condition of screening: *Port Good Starboard Excellent Overflow Excellent

28°24.60'N 80°35.20'W *small gap in ½ of aft door from warping - pin is in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w/ some clay, silt + rock

Weather conditions: mostly clear, ENE 6-10 kt.

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown ht. = 15:04

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

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

Waves: ~~5~~ 1-2 ft Wind (speed & direction): 6-10 kt

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

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

PORT SCREEN CONTENTS: 2 hypoplastron bones (old) sea turtle, Spartina alterniflora, Thalassia testudinum, Halophylia spp., sea grape, palmetto; rock, holothurians, plastic, limulus polyphemus (1), whelk egg case, overflow: quahog clam draghead: rope, grass, monofilam

STARBOARD SCREEN CONTENTS: Spartina alterniflora, wood, rock, holothurian, plastic; shell of lightening whelk, barnacle, cockle, blood arc clam, Rhodophyta overflow: spartina draghead: spartina

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 ____ (2 old turtle bones)

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

Comments: 11 Cruise boats passed in channel during load
Load #39 begins widening of channel. Delay before dredging while trawlers passed through new dig area several times

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-Sep-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 40 LOAD start date: 22-Sep-04 Times (24hrs): Start 19:55 End 22:08

28°24.53'N 80°34.91'W

Condition of screening : *Port Good Starboard Excellent Overflow Excellent

*small gap in ½ aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand w/ some clay, silt & rock

Weather conditions: clear, seas in channel 2-3', winds ENE 10 kts

Tidal stage (CIRCLE ONE) (Slack) (Rising) High (Falling) Low Unknown F→S→R

H ≈ 21:40

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

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

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

AIR TEMP: 25.0 (°C)/F (22:05) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 27.0 (°C)/F (22:00) Column (mid-depth) ____ °C/F Bottom ____ °C/F

SCREEN TYPE

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

PORT SCREEN CONTENTS: ropes, sparticas (very little), monofilament line

overflow: clear draghead: clear

STARBOARD SCREEN CONTENTS: rocks

overflow: wood draghead: clear

Estimate number entrained on this load for the following:

Sturgeon (any species) —

Shark (any species) —

Horseshoe crab —

Blue crab —

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

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

Comments: ____

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ✓ → widening PROJECT start date 13-Sep-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 41 LOAD start date: 23-Sept-04 Times (24hrs): Start 0042 End 0247

Condition of screening: Port fore - excellent Starboard Excellent Overflow Excellent

aft; small gap in inboard sect. of port aft box. pin in outboard side

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4'x6'

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

Type of material dredged: primarily sand w/ some silt, clay + rock

Weather conditions: mostly clear, 10-15 to ENE; 2-3' in channel, 4-6' swell at disposal site ↳ shifting to ESE 10-15

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

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

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

Waves: _____ ft Wind (speed & direction): ENE 10-15 → ESE 10-15

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

WATER TEMP: Surface 26.5 (°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%)
NA	Other screening:	None	25%	50%	75%	100%

DRAG: wood, rope

PORT SCREEN CONTENTS: crab trap, Spartina, cloth, plastic, Spartina, Sargassum, Bryozoa spp., Thalassia, P. gigantea, D. robustum, Noetia ponderosa, (2) A. polyphemus, 1 sea turtle pleural bone (old), Sciaenops ocellatus

STARBOARD SCREEN CONTENTS: steel cable, Busycon spp, Spartina, plastic, rocks, rope, soda bottles, P. gigantea, Dasyatis americana, monofilament, wood

DRAG: rope

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 _____ (1 old bone)

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

Comments: Ashlee Michelle + Cheryl Lynn relocating turtles.

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

Observer's name: Kirsten Dahlen Observer firm REMSA Inc.

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance 4 /New Work ✓ (widening) PROJECT start date 13 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD+D

LOAD #: 42 LOAD start date: 23 Sept 04 Times (24hrs): Start 0519 End 0821

Condition of screening : Port fire - Excellent Starboard Excellent Overflow Excellent
aft - gap on inboard bottom of door - pin on outboard side.

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

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

Type of material dredged: primarily sand w/ silt, clay + rock

Weather conditions: partly cloudy, ENE 10-20; 2-3' chop in channel; 4-6' swell at disposal site

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

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

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

Waves: 3-5' ft Wind (speed & direction): ENE 10-20

AIR TEMP: 27 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 27 (°C)/°F (0800) Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

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

DRAG: Tires (2)

PORT SCREEN CONTENTS: Busycon spp. (live), Noetia ponderosa (live), Oliva sayana (live), Aorina serrata, Spartina, plastic, rocks, Polinices duplicatus (live), Laevicardium laevigatum

STARBOARD SCREEN CONTENTS: plastic, cloth, rock, P. gigantea, Centropomus undecimalis, Callinectes sapidus (1)

DRAG: Rope

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 X

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

Comments: Ashlee, Michelle + Cheryl Lynn relocating turtles.
111 cruise ships/freighters passed thru work area b/f or during load.

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

Observer's name: Kirsten Dahlen Observer firm REMSA Inc.

Observer signature Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance 4 /New Work 4 (widening) PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD+D

LOAD #: 43 LOAD start date: 23-Sept.04 Times (24hrs): Start 1028 End 12:47

Condition of screening: Port fore Excellent Starboard Excellent Overflow Excellent
off-gay in bottom inboard side of box, pin in outboard side

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4'x6'

Draghead deflector? YES 4 NO ___ Condition of deflector: Excellent

Type of material dredged: primarily sand @ some ~~sand~~, clay, silt + rock.

Weather conditions: mostly clear, ENE 10-20, 2-4' chop in channel, 7' ground swell at disposal site

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

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

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

Waves: 3-5' ft Wind (speed & direction): ENE 10-20 kt

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

WATER TEMP: Surface 27°C °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%)
NA	Other screening:	(None)	25%	50%	75%	100%

PORT SCREEN CONTENTS: P. gigantea, rock, Spartina alterniflora, holothurians, cloth, plastic, fossils, fishing pole, 1 stone crab
overflow: Spartina, dive mask, holothurians draghead: cable.

STARBOARD SCREEN CONTENTS: Spartina alterniflora, holothurians, copper wire, metal, shells of lightening whelk, arc clam, cocquina, slipper, sargassum weed
overflow: Morone americana draghead: cable, rope, monofilament line

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: Ashlee Michelle + Cheryl Lynn are relocating turtles.
IIII Cruise ships/freighters passed thru dig area during this load.

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

Observer's name: Kirsten Dahlen / Patricia Kusmierski Observer firm REMSA, Inc.

Observer signature Kirsten Dahlen / Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ___ /New Work ___ PROJECT start date 13 Sept 04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 44 LOAD start date: 23-Sept-04 Times (24hrs): Start 15:14 End 18:17

28°24.51'N 80°34.81'W

Condition of screening: Port Ace - excellent Starboard Excellent Overflow Excellent

aft - opening in bottom of inboard section; pin in outboard section

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4' x 6'

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

Type of material dredged: primarily sand and clay mix w/some rock

Weather conditions: mostly clear ENE 10-15 Kt 2-3' chop in channel, 7' ground swell @ disposal site

Tidal stage (CIRCLE ONE): (Slack) (Rising) High (Falling) Low Unknown R->F (ht = 16:21)

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

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

Waves: 2-3 ft Wind (speed & direction): ENE 10-15 kt.

AIR TEMP: 25.7 °C/F (14:35) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 27.0 °C/F (14:30) Column (mid-depth) ___ °C/F Bottom 26.7 °C °F (14:20)

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

PORT SCREEN CONTENTS: Cable, plastic, cloth, clay, spartina

overflow: clear draghead: clay, goggles, cable

STARBOARD SCREEN CONTENTS: rock, lightening whelk + rare clam shells, spartina

overflow: clear draghead: palmetto tree

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: IIII Cruise ships passed in channel during load

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912-EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 45 LOAD start date: 23-Sept-04 Times (24hrs): Start 20:25 End 23:15

28° 24.54 N 80° 35.04 W

Condition of screening: *Port fore-excellent Starboard Excellent Overflow Excellent

aft- has small opening in ½ door - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6' x 4'

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

Type of material dredged: primarily sand and clay w/some rock

Weather conditions: mostly clear, quite calm at dig site, winds ENE 7-10 kts.

Tidal stage (CIRCLE ONE): (Slack) (Rising) High (Falling) Low Unknown F→S→R lt = 22:45

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

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

Waves: .5-2 ft Wind (speed & direction): 7-10 kt.

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

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

PORT SCREEN CONTENTS: Cable, rock, plastic, clay, 1 speckled crab overflow; Sargassum weed, wood dragheads: Drag - salt bag, etc.

STARBOARD SCREEN CONTENTS: P. gigantea, rock overflow; Sargassum weed dragheads: Drag - Palmetto fuel cable

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 /00% Monitoring/24 hrs: None 25% 50% 75% (100%)

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EB-05-C-003 Maintenance ___ /New Work ___ PROJECT start date 13-Sept-04 (Wilmington)

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLDD

LOAD #: 416 LOAD start date: 24-Sept-04 Times (24hrs): Start 0155 End 0415

Condition of screening: Port fair-excellent (aft gap & inboard bottom pin on port bed) Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 4x6'

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

Type of material dredged: mostly sand & silt, clay & rock

Weather conditions: partly cloudy, ENE 10-12, 1-2' seas in channel, 4-5' at disposal site

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

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

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

Waves: 2-4 ft Wind (speed & direction): ENE 10-12

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

WATER TEMP: Surface 26.5 °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%)
NA	Other screening:	(None)	25%	50%	75%	100%

PORT SCREEN CONTENTS: Steel cable, Balanus spp. Spartina, Mytilus spp., Nereis pendercsa, Laticardium laevigatum, Limulus polyphemus DRAG: Rope

STARBOARD SCREEN CONTENTS: Polinices duplicatus, Balanus spp, Cloth, plastic, ball cap, rock, sea turtle pleural bone (old) DRAG: Salt bag

Estimate number entrained on this load for the following:

Sturgeon (any species) 0

Shark (any species) 0

Horseshoe crab 1

Blue crab ___

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ✓ NO ___ (old turtle pleural bone)

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

Comments: Ashlee Michelle & Cheryl Lynn relocating turtles. 111 vessels passed thru project area before & during this load

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

Observer's name: Kirsten Dahlen Observer firm REMSA, Inc.

Observer signature: Kirsten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ___ /New Work ✓ widening PROJECT start date 13-Sept-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: GLD&D

LOAD #: 47 LOAD start date: 24-Sept-04 Times (24hrs): Start 0730 End ___

Condition of screening: Port fore - Excellent Starboard Excellent Overflow Excellent
aft 4 gap in inboard bottom - pin in outboard sect.

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 4'x6'

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

Type of material dredged: primarily sand w/ some silt, clay + rock

Weather conditions: partly cloudy, ENE 10-15, 1-2' in channel; 4' at disposal site.

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

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

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

Waves: 2-4 ft Wind (speed & direction): ENE 10

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

WATER TEMP: Surface 26.5 °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%
NA	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Thalassia testudinum, plastic, holothurians, metal, wire, cable, Busycon spp., ~~[illegible]~~ rock, wood
overflow: 1 manta ray, spiny lobster, ~~[illegible]~~ old sea turtle hypoplastron

STARBOARD SCREEN CONTENTS: Spartina alterniflora, Thalassia testudinum, plastic, holothurians, wood, rock, wood, 1 speckled crab, sea turtle scute
overflow: Spartina, wood, sargassum weed sargassum weed

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 ___ 1 old sea turtle hypoplastron 1 sea turtle scute

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

0828 - down for repairs to STRD wire, (until 1014)

Comments: Ashlee Michelle + Cheryl Lynn relocating turtles
~~[illegible]~~ vessels passed thru project area before & during loading
Traffic delay between loads 46 and 47

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

Observer's name: Kersten Dahlen Observer firm REMSA Inc.

Observer signature Kersten Dahlen

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 48 LOAD start date: 28-09-04 Times (24hrs): Start 11:22 End 14:29

28°24.548'N 80°35.032'W

Condition of screening : # Port good Starboard Excellent Overflow Excellent

* port aft door has small opening-pin is in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand and clay with some silt

Weather conditions: partly cloudy, 1-2 ft waves, E 7-8 kts

Tidal stage (CIRCLE ONE) (Slack) (Rising) High (Falling) Low Unknown F -> S -> R

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

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

Waves: 1-2 ft Wind (speed & direction): 7-8 kts

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) ____ °C/°F Bottom 26.7 (°C)/°F

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

PORT SCREEN CONTENTS: 2 calico crabs, 4 old sea turtle bones, 1 Turritella truncata, old bone, 1 stone crab, 1 stone, 1 anemone, sea cucumber, shells, holothurians, Spartina alterniflora, Thalassia testudinum, cockleshells, Busycon sp., Ostrea virginicus Overflow: grass, wood dragheads: palmetto, grass

STARBOARD SCREEN CONTENTS: 1 blue crab, 1 calico crab, Spartina alterniflora, 1 Thalassia testudinum, Overflow: 1 Limulus polyphemus, grass dragheads: palmetto

Estimate number entrained on this load for the following:

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

Debris: metal, PVC pipe, plastic

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ✓ NO ____ 4 old sea turtle bones

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

Comments: no cruise ship travel during load; 1st load since Hurricane Jean

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

Observer's name: Tracie Kucmierski Observer firm RE MSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Cape Canaveral DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 49 LOAD start date: 28-09-04 Times (24hrs): Start 16:03 End 17:31

Condition of screening : * Port Good Starboard Excellent Overflow Excellent

* Small opening in port aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6' x 4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: Primarily sand and clay mix with some silt. [Lots of grass]

Weather conditions: partly cloudy, seas ~1 ft winds E 5-8 kt

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

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

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

Waves: .5-1 ft Wind (speed & direction): 4-6 kts.

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

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ____ °C/°F Bottom 26.7 (°C) °F

SCREEN TYPE

100% Inflow screening:	None	25%	50%	75%	(100%)
100% Overflow screening:	None	25%	50%	75%	(100%)
N/A Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Thalassia testudinum, palmetto, Chelonia mydas, 1 Calico crab, 1 hypoplastron (old sea turtle), 1 Tursiops truncatus (old vertebrate), Sea squirts, Overflow: Spartina wood, Draghead: Spartina wood

STARBOARD SCREEN CONTENTS: Spartina alterniflora, Thalassia testudinum, palmetto, plastic, metal, Busycon spp., cloth

Overflow: Spartina, wood Draghead: Spartina, 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 ____

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

Comments: Chelonia mydas observed in port foreward just after a cut during mid-load #49. Lots of grass and trash continuously in boxes since dredge operations began today.

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

Observer's name: Patricia Kusmierski / Nathaniel Goddard Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 50 LOAD start date: 28-09-04 Times (24hrs): Start 21:59 End 0100

28°24.575N 80°34.930W

Condition of screening: * Port Good Starboard Excellent Overflow Excellent

* small gap in port aft box-pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6' x 4'

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

Type of material dredged: primarily sand mixed with clay and silt.

Weather conditions: partly cloudy, seas ~1 ft, winds E 5 kt

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

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

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

Waves: 1 ft Wind (speed & direction): 4-6 kt

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) _____ °C/°F Bottom 27 (°C)/°F

SCREEN TYPE						
100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, 1 Limulus polyphemus, wood Swelk shells 6 tennis shoes

STARBOARD SCREEN CONTENTS: Spartina alterniflora, 1 Limulus polyphemus, wood

Overflow: [illegible]

Estimate number entrained on this load for the following:

Sturgeon (any species) _____

Shark (any species) _____

Horseshoe crab 1 alive 1 dead

Blue crab _____

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

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

Comments: [illegible]

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

Observer's name: Patricia Kusmierski / Nathaniel Goddard Observer firm REMSA

Observer signature [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912GP-04-C-0035 Maintenance ✓ /New Work _____ PROJECT start date 13-Aug-04

PROJECT NAME: Cape Canaveral DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 51 LOAD start date: 29-Aug-04 28 Aug 2004 30 Aug 2004 Times (24hrs): Start 0305 End 0515

Condition of screening : Port Excellent Starboard Excellent Overflow Excellent

Japan Fish Eater Grate Door

Number of dragheads in use: 2 Type of dragheads used: [illegible] Size of dragheads: [illegible]

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

Type of material dredged: Primarily Sand [illegible]

Weather conditions: Clear, Seas 3-4 [illegible] E 5-6

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

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

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

Waves: 2-3 ft Wind (speed & direction): E 25

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

WATER TEMP: Surface 27.8 (C)/F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

SCREEN TYPE

1/0	Inflow screening:	None	25%	50%	75%	100%
1/0	Overflow screening:	None	25%	50%	75%	100%
___	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Shells, rocks, Shell Hash, Sand, Juv. Fish

STARBOARD SCREEN CONTENTS: Fish & Calico crab, Sand, Shell hash, debris

Overflow: Sand, rocks & shell Draghead: Polychaete worms

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: Pump Station 1 Screen Inspected, No Damage Noted

50 ft [illegible]

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

Observer's name: Nathan [illegible] Observer firm Kenesis

Observer signature [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: [illegible]

CONTRACT #: W912EP-04-C-0035 Maintenance ___ /New Work ___ PROJECT start date 1-5-09

PROJECT NAME: [illegible] DREDGE NAME: Padre Island

DREDGE FIRM: Great[illegible]

LOAD #: 52 LOAD start date: 29-4-09 Times (24hrs): Start 0955 End 1213

Condition of screening : Port Fair Starboard Excel[illegible] Overflow [illegible]

95% in API Source

Number of dragheads in use: 2 Type of dragheads used: [illegible] Size of dragheads: 6'

Draghead deflector? YES ✓ NO ___ Condition of deflector: [illegible]

2.824 [illegible] 80 [illegible]

Type of material dredged: [illegible]

Weather conditions: [illegible]

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

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

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

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

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) ___ °C/°F Bottom 26.7 (°C)/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Palmetto spp, rock, metal, fishing line, plastic, net Draghead: palmetto spp

overflow: 1 calico crab, Spartina alterniflora

STARBOARD SCREEN CONTENTS: Spartina alterniflora, Palmetto spp, 1 Limulus polyphemus, halodrilians, Busycon spp, Arc clams, Ceguina stella, Gigartina, Ulva sp, Mandibulum sp, mags, overflow: grass, wood Draghead: [illegible]

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 cruise ship question!

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

Observer's name: [illegible] Observer firm ___

Observer signature ___

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 53 LOAD start date: 29-09-04 Times (24hrs): Start 14:05 End 16:52

28°24.553N 80°34.987'W

Condition of screening: * Port Good Starboard Excellent Overflow Excellent

* small opening in aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: sand mixed with silt and clay and some rock

Weather conditions: mostly clear, calm seas and light aires

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

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kt.

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) ____ °C/°F Bottom 26.7 (°C)/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Rock, Spartina alterniflora, palmetto spp, 1 old costal scute (sea turtle), fossil, arc clams, Busycon spp

overflow: 1 cownose ray (Rhinoptera bonasus) draghead: clear

STARBOARD SCREEN CONTENTS: Rock, Spartina alterniflora, palmetto spp, wood

overflow: Spartina & wood draghead: Spartina alterniflora, PVC pipe, Palmetto spp

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 ____ 1 old costal scute sea turtle

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

Comments: no cruise [illegible]

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

Observer's name: [illegible] Observer firm REMSA

Observer signature [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 54 LOAD start date: 29-09-04 Times (24hrs): Start 18:17 End ___

28°24.551'N 80°35.039'W

Condition of screening: * Port Good Starboard Excellent Overflow Excellent

* aft box missed opening - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

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

Type of material dredged: Primarily sand, mixed w/ some silt

Weather conditions: mostly clear, calm seas, light winds

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

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

0 = <1 knot/ 0 ft 3 = 7-10 knot/ 2 ft 6 = 22-27 knot/10 ft 9 = 41-47 knot/23 ft 12 = >63 knot/45

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kt.

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

WATER TEMP: Surface 27.8 °C/°F Column (mid-depth) ___ °C/°F Bottom 26.7 °C/°F

SCREEN TYPE						
100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Palmetto spp. rock, P. gigantea, metal pole, shell, coral, plastic, bobbler ian, keyhole urchin

overflow: wood, spartina, fiberglass dragheads: grass

STARBOARD SCREEN CONTENTS: 1 spotted eagle ray (Aetobatus narinari), Spartina alterniflora, Palmetto spp., Oliveella sayi, mangrove snail, ostrea virginicus, 1 old coastal shark (Sphyrnidae)

overflow: Spartina, wood dragheads: grass

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 ___ | old coastal shark

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

Comments: one coastal shark (Sphyrnidae), Atlantic Moonfish, & Clam, Lagoon both

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

Observer's name: Patricia Wisniewski Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Commercial Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 55 LOAD start date: 9-30-04 Times (24hrs): Start 0019 End 0237

28°24.555 N 8035.038W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Gap in Aft Port Screen

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand, silt with some clay

Weather conditions: Clear Sky ≈8kn NWind 1ft seas

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

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

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

Waves: 1 ft Wind (speed & direction): ≈8 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 26 °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	100%
100%	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: 2 conche shells, a few rocks, 2 turtle bones

STARBOARD SCREEN CONTENTS: 1 Shrimp, wood, fishing line, welk shells

Over flow: nothing Dragheads: Palmetto tree & sparting

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 X NO ____ 1 Piece of Plastron 1 Piece of Carapas

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

Comments: 1 piece of turtle plastron found and one piece of carapase both old.

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

Observer's name: Nathaniel Goddard Observer firm REMSA

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 56 LOAD start date: 9-30-04 Times (24hrs): Start 0429 End 0952

28°24.550N 80°35.074W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Gap in Aft Port screen

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand & Silt

Weather conditions: Cloudy

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

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

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

Waves: .5 ft Wind (speed & direction): 6 NW

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

100	Inflow screening:	None	25%	50%	75%	(100%)
100	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Coached welch shells turtle bone, rocks, a piece of metal

overflow: Nothing Draghead: Spartina

STARBOARD SCREEN CONTENTS: rocks, plastic bag, Spartina, Log

Overflow: aerobee and Spartina

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 X NO ___

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

Comments: One turtle bone found in screen

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

Observer's name: Nathaniel Goddard Observer firm Remsa

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ___ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 57 LOAD start date: 30-9-04 Times (24hrs): Start 11:40 End 14:50

28°24.556'N 80°35.003'W

Condition of screening: Port good Starboard Excellent Overflow Excellent

*small opening in port aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

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

Type of material dredged: primarily sand mixed with lots of silt + mud, some clay + rock

Weather conditions: mostly clear calm seas and light variable wind, ESE 3-5 kts

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

LT = 15:42

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

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

Waves: .25 ft Wind (speed & direction): 3-5 kts

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) ___ °C/°F Bottom 26.7 (°C)/°F

SCREEN TYPE						
100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Palmetto spp, Thalassia testudinum, Sargassum weed, wood, rock, rubber, cloth, P. gigantea, shoe, plastic, rug, Ivorea macrobotrys, overflow: grass, juvenile blue crab, Crassostrea regalis, Dredged: Spartina, Palmetto, whelk eggs, cloth

STARBOARD SCREEN CONTENTS: Spartina alterniflora, Palmetto spp, Thalassia testudinum, Sargassum weed, wood, calico crab, Busycon spp, slipper shells, quahog, arc clams, plastic, fossil, overflow: grass, calico crab, dredged: Spartina, Palmetto, plastic

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: 11 cruise ship

102 Relocated turtles as of 01:00

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

Observer's name: Patricia Kwasniewski Observer firm REMSA

Observer signature Patricia Kwasniewski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 58 LOAD start date: 30-09-04 Times (24hrs): Start 16:20 End 21:43

28°24.559'N 80°35.023'W

Condition of screening: ★ Port Good Starboard Excellent Overflow Excellent

★ aft box has small opening – pin in place

Number of dragheads in use: 2 Type of dragheads used: [illegible] Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand, mixed w/ some rock and little silt + clay

Weather conditions: mostly clear, calm seas + light [illegible], ESE 3-5 kt. winds

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown R→S ht = 21:46

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

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

Waves: .25 ft Wind (speed & direction): 3-5 kts.

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

WATER TEMP: Surface 27.8 °C/°F Column (mid-depth) ____ °C/°F Bottom 26.7 °C/°F

SCREEN TYPE						
100%	Inflow screening:	None	25%	50%	75%	100%
100%	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Palmetto spp., sargassum, weed, rock, cloth, plastic, P. gigantea, Busycon spp.

overflow: Spartina, sargassum, palm Draghead Spartina, palmetto

STARBOARD SCREEN CONTENTS: Spartina alterniflora, [illegible] spp., Sargassum weed, plastic, shoe, P. gigantea

overflow: Spartina, sargassum, wood Draghead: Spartina, palmetto

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: 1111 cruise ships passed during load. Delay in dredging twice due to boat traffic.

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

Observer's name: Patrick Kusmarski Observer firm RLMSA

Observer signature [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 59 LOAD start date: 30-09-04 Times (24hrs): Start 23:4n End 0236

28°24.558N 80°35.045W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

1 of 4 bolts missing on opening - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand, silt and some clay

Weather conditions: Partly Clouded

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

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

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

Waves: .25 ft Wind (speed & direction): 3 E

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 26.7 °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Sparting, palmetto, welk shells, wood, plastic

Draghead: horseshoe crab

Overflow: sparting, palmetto wood, sparting, palmetto, carpet

STARBOARD SCREEN CONTENTS: sparting, palmetto, rocks, wood, welk shells

overflow: sparting, palmetto, wood

Draghead: sparting, palmetto

Estimate number entrained on this load for the following:

Sturgeon (any species) —

Shark (any species) —

Horseshoe crab 1 alive

Blue 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 cruise ship

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

Observer's name: Nathaniel Goddard Observer firm REMSA

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 60 LOAD start date: 01-10-04 Times (24hrs): Start 0404 End 0814

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Gap in Aft screen

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand, silt and some clay

Weather conditions: Partly cloudy

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

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

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

Waves: .25 ft Wind (speed & direction): 3 E

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

100% Inflow screening:	None	25%	50%	75%	(100%)
100% Overflow screening:	None	25%	50%	75%	(100%)
N/A Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina, palmetto, rocks, trash bag, shoes, fishing line, PVC pipe

overflow = , spartina, palmetto, carpet Draghead: palmetto, spartina, blue crab

STARBOARD SCREEN CONTENTS: Spartina, palmetto, wood, rocks

overflow: spartina, palmetto, wood debris, rope Draghead: palmetto, spartina, wood

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 X

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

Comments: 3 cruise ships

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

Observer's name: Nathaniel Goddard Observer firm Remsa

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance X /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 61 LOAD start date: 01-10-04 Times (24hrs): Start 1004 End 13:02

Condition of screening : Port Good Starboard Excellent Overflow Excellent
6 gap in Aft screen

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Loose fine clay to sand with rock

Weather conditions: Partly cloudy to cloudy low humidity scattered showers
Winds variable 5 to 10 knots

Tidal stage (CIRCLE ONE): Slack Rising High Falling Low Unknown 5-7F

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

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

Waves: 5 ft Wind (speed & direction): Light & Variable

AIR TEMP: ____ °C/°F

WATER TEMP: Surface 27.- °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32)) Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spotted seatrout, Sargassum and Whitebait Menhaden
Brown shrimp and Dragonets & Calico crabs

STARBOARD SCREEN CONTENTS: Spotted seatrout, Sargassum and Whitebait Menhaden
Pinfish and Dragonets & Calico crabs

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 X

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

Comments: 1 cruise ship: Ashley Michelle went into refuel only
Cheryl Lynn traveling in area

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 12-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Pabre Island

28°24.558'N 80°34.993'W 566,893 DREDGE FIRM: Great Lakes

LOAD #: 12 LOAD start date: 01-10-05 Times (24hrs): Start 14:27 End 21:17

Condition of screening: Port Good Starboard Overload Overflow Good

* Small opening in all doors - 2" or 3" max.

Number of dragheads in use: 2 Type of dragheads used: Beam Dragheads Size of dragheads: 6' wide

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily a sand and silt muddy mix with some clay and little rock

Weather conditions: mostly clear, winds ESE 4-6 kts

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

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kts

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

WATER TEMP: Surface 27.8 (C)/F Column (mid-depth) ____ °C/°F Bottom 27.8 (C)/F

SCREEN TYPE

1009	Inflow screening:	None	25%	50%	75%	100%
1009	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: 1 old jaw bone (sea turtle), 2 fossils, 1 old hyperplastron (turtle) 1 Southern Flounder (Paralichthys lethostigma) Spartina alterniflora, Palmetto spp., 1 speckled crab, Busycon spp., cockle shells, oyster shells, moon shells, rock, plastic, roots, sea grape, metal pipe, shoe Overflow: grass, wood Drag: Palmetto spp. Spartina

STARBOARD SCREEN CONTENTS: 1 Callinectes sapidus with eggs, Spartina alterniflora, Palmetto spp., Thalassia testudinum, Busycon spp., P. gigantea, 1 Hogchoker (Trinectes maculatus), rope, plastic, cloth, PVC pipe, shoe Overflow: grass, wood Draghead: Palmetto spp.

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 ____ 1 old jaw bone Sea turtle 1 old hyperplastron (sea turtle)

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

Comments: 14:25-16:00 Delay in dredging-no transiting in area (time provided by ACOE, 11 cruise ships transit also during that period. Delay for 1 cruise ship @ 17:15 and another at 18:23 for 4 cruisers, 2 passenger ferries and 1 tug

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski 20:06

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 63 LOAD start date: 01-10-04 Times (24hrs): Start 22:59 End 0123

28°24.601N 80°34.760'W

Condition of screening : *Port good Starboard Excellent Overflow Excellent

*small opening in aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, clay

Weather conditions: mostly clear, winds ESE 4-6 kts

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

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

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

Waves: .5 ft Wind (speed & direction): 4-6 kts

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) ____ °C/°F Bottom 27.8 (°C)/°F

SCREEN TYPE

100% Inflow screening:	None	25%	50%	75%	(100%)
100% Overflow screening:	None	25%	50%	75%	(100%)
N/A Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Urbina concrete, rocks, clay, spartina, wood

Overflow: wood debris, spartina

Draghead: canvis tarp, spartina

STARBOARD SCREEN CONTENTS: Spartina, rocks, plastic bag, shoe, plastic toy shark

overflow: spartina, rope

Draghead: Tire

Estimate number entrained on this load for the following:

Sturgeon (any species) –

Shark (any species) –

Horseshoe crab –

Blue crab –

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

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

Comments: 2 cruise ships went by

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

Observer's name: Patricia Kusmierski Nathaniel Goddard Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance X /New Work ____ PROJECT start date 13-[illegible]-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 64 LOAD start date: 02-10-04 Times (24hrs): Start 0250 End 0[illegible] 0437

Condition of screening : Port Good Starboard Excellent Overflow Excellent

Gap in Aft screen

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand, Mud

Weather conditions: Partly Cloudy

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

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

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

Waves: ~5 ft Wind (speed & direction): 6 SE

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

WATER TEMP: Surface 22.9 °C/°F Column (mid-depth) ____ °C/°F Bottom 22.[illegible] °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina, palmetto, rocks, shell, plastic

overflow: wood

draghead: palmetto, spartina

STARBOARD SCREEN CONTENTS: spartina, palmetto, metal, fishing line

overflow: nothing

draghead: palmetto

Estimate number entrained on this load for the following:

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

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

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

Comments: 2 Cruise ships

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

Observer's name: Nathaniel Goddard Observer firm REMSA

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04C-0035 Maintenance X /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor 2824.582 N 8034994 W DREDGE NAME: Padre Island

DREDGE FIRM: Greatlakes

LOAD #: 65 LOAD start date: 02-10-04 Times (24hrs): Start 0614 End 0812

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand, silt, clay

Weather conditions: Clear sky ≈ 8 kt wind SE

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

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

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

Waves: 1.5 ft Wind (speed & direction): SSE

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

WATER TEMP: Surface 27.8 °C/°F Column (mid-depth) ____ °C/°F Bottom 27.6 °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Centropomus spp, Vaccine brasiliensis, spartina, plastic, metal, wood
overflow: rope
Draghead: palmetto

STARBOARD SCREEN CONTENTS: Horseshoe crab, spartina, palmetto, wood, rock, metal, carpet
overflow: nothing
Draghead: nothing

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: Icewise Ship

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

Observer's name: Nathaniel Goddard Observer firm Remsa

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance X /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 66 LOAD start date: 02-10-04 Times (24hrs): Start 0954 End 13:58

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand mixed w/ lots of clay and silt with little rock

Weather conditions: Clear sky

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

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

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

Waves: .5 ft Wind (speed & direction): 6 SE

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

WATER TEMP: Surface 27.8 °C/°F Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE

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

PORT SCREEN CONTENTS: Spartina alterniflora, Palmetto spp, Thalassia testudinum, 1 Large clam (alive) (arc?) 1 Callinectes sapidus, 1 old carapace bone (sea turtle), fossils, monofilament line plastics, rug, cloth glass, Swim goggles, fiberglass overflow: Spartina, Palmetto, wood, rope Draghead: Palmetto, Spartina, net 1 aluminum can

STARBOARD SCREEN CONTENTS: Spartina alterniflora, Palmetto spp, Thalassia testudinum, rock wood, shell of moon snail, arc clam, coquina clam, lightening channel whelks, metal rod, snark overflow: Spartina, Palmetto, whelk egg cases, wood. Draghead: Palmetto, Spartina

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 ____ 1 old carapace bone of sea turtle

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

Comments: ____

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

Observer's name: Nathaniel Goddard / Patricia Kusmierski Observer firm Remsa

Observer signature Patricia Kusmierski

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 67 LOAD start date: 02-10-04 Times (24hrs): Start 15:24 End 20:19

28°24.554'N 80°35.088'W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

* small openings in port aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6' x 4'

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

Type of material dredged: mix of sand, clay, silt with some rock

Weather conditions: mostly clear, winds ESE 4-6 kts.

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

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

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

Waves: 5 ft Wind (speed & direction): 6

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

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: clay rock, Spartina alterniflora, palmetto spp., 2 Limulus polyphemus, Busycon sp. (whelk), shark tooth, plastic, tag, shells, fossils, fiberglass monofilament line, 1 old costal scute (seaturtle) overflow: clear dragheads: palmetto, spartina, plastic

STARBOARD SCREEN CONTENTS: Spartina alterniflora, palmetto spp, plastic bottle, ship metal fixtures, rants, ostrea virginicus, arc clams

overflow: clear dragheads: palmetto, spartina

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 ___ 1 old costal scute of a sea turtle

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

Comments: 111 cruise boats; Delay at dig site due to boat traffic during this load.

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

Observer's name: Patricia Kusaterski Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 68 LOAD start date: 02-10-04 Times (24hrs): Start 21:53 End 0045

28°24.558'N 80°35.150'W

Condition of screening: *Port good Starboard Excellent Overflow Excellent

*small gap in port aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand, silt, clay

Weather conditions: mostly clear and winds from ESE 6-7 kts

Tidal stage (CIRCLE ONE): (Slack) ← (Rising) High (Falling) Low Unknown HT ≈ 23:00

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

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

Waves: .5 ft Wind (speed & direction): 6-7 kts

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

WATER TEMP: Surface 26.7 °C/°F Column (mid-depth) ___ °C/°F Bottom 26.7 °C/°F

SCREEN TYPE

100 %	Inflow screening:	None	25%	50%	75%	(100%)
100 %	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Clay, plastic, clam shell, welk shell, clay

overflow: nothing

Draghead: fishing line

STARBOARD SCREEN CONTENTS: Clay, sponge, mussel shell, wood, aluminum cans, plastic, monofilament, PVC pipe

overflow nothing Draghead: palmetto log

Estimate number entrained on this load for the following:

Sturgeon (any species) —

Shark (any species) —

Horseshoe crab —

Blue crab —

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

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

Comments: ___

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

Observer's name: Patricia Kusmierski / Nathaniel Ashford Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0033 Maintenance X /New Work ____ PROJECT start date 03-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 69 LOAD start date: 03-10-04 2824.55N 8035113W Times (24hrs): Start 0209 End 0511

Condition of screening : Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

Draghead deflector? YES 1 NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt, clay

Weather conditions: Clear sky, breezy

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

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

0 = <1 knot/ 0 ft (3) = 7-10 knot/ 2 ft 6 = 22-27 knot/10 ft 9 = 41-47 knot/23 ft 12 = >63 knot/45

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

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

Waves: 1.5 ft Wind (speed & direction): 9 SE

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

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: spartina, centropomus undecamilas; welchshells, clay

Cope, fish, shrimp

Overflow, Nothing Dasyatis diparletto

STARBOARD SCREEN CONTENTS: spartina, welchshells, Gaggleg rope, clay

overflow; nothing

brashead nothing

Estimate number entrained on this load for the following:

Sturgeon (any species) –

Shark (any species) –

Horseshoe crab –

Blue crab –

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

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

Comments: ____

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

Observer's name: Nathaniel Goddard Observer firm REMSA

Observer signature Nathaniel Goddard

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance X /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 70 LOAD start date: 03-10-04 Times (24hrs): Start 0811 End 12:11

Condition of screening : Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Hydrosa Size of dragheads: 6'x4'

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

Type of material dredged: primarily sand mixed w/ clay, little silt + rock

Weather conditions: mostly clear, winds 9 SE

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

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

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

Waves: 1-1.5 ft Wind (speed & direction): 9 kts SE

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

WATER TEMP: Surface 24.9 °C/°F Column (mid-depth) ___ °C/°F Bottom 27.5 (°C)/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina, Palmetto, Thalassia, plastic, Busycon spp (lightning), moon snail, sea clam, coquina clam, cloth, rope, Branchiostoma line, 1 dead scute (olive) sea turtle, P. gigantea, overflow clear, draghead clear

STARBOARD SCREEN CONTENTS: Spartina, Palmetto, plastic, Busycon spp (lightning), overflow: clay, wood draghead: clear

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 ___ 1 dead dead scute sea turtle

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

Comments: ___

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 71 LOAD start date: 03-10-04 Times (24hrs): Start 13:41 End 16:43

28° 24.537'N 80° 34.761'W

Condition of screening: ☆ Port Good Starboard Excellent Overflow Excellent

☆ small gap in port aft door - pin in place.

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6' x 4'

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

Type of material dredged: primarily sand, silt and clay w/ little rock + shell

Weather conditions: mostly clear. Winds ESE 4-6 kts

Tidal stage (CIRCLE ONE): Slack Rising High (Falling) Low Unknown ht = 11:44 Lt. = 18:12

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

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

Waves: .5-1 ft Wind (speed & direction): 4-6 kts

AIR TEMP: 27.5 (°C)/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface ___ °C/°F Column (mid-depth) ___ °C/°F Bottom 27.9 (°C)/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: palmetto, monofilament line, P. gigantea, Busycon spp (lightening whelk), cloth, plastic, rock, wood, hat hacks

STARBOARD SCREEN CONTENTS: palmetto, spartina, fiberglass, cloth, plastic, roots, Busycon spp (lightening 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: 11 cruise ships

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 72 LOAD start date: 03-10-04 Times (24hrs): Start 18:17 End 22:00

28° 24.532'N 80° 34.869'W

Condition of screening: * Port good Starboard Excellent Overflow Excellent

*small gap in port aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

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

Type of material dredged: sand, silt + clay mix with little rock + shell

Weather conditions: mostly clear, winds ESE 4-6 kts.

Tidal stage (CIRCLE ONE): Slack → Rising High Falling Low Unknown ht = 23:55

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

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

Waves: 5-1 ft Wind (speed & direction): 4-6 kts

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

WATER TEMP: Surface 27.8 °C/°F Column (mid-depth) ___ °C/°F Bottom 27.8 °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	100%
100%	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: clay, Busycon spp (lightening + channel), fossil rock, 1 old costal scute (sea turtle), tickler line from trawler, plastic, gas line from boat, dive fin

STARBOARD SCREEN CONTENTS: Spatina, rock, wood, P. gigantea, dive mask + snorkel, plastic

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 ___ 1 old costal scute sea turtle

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

Comments: 1 Cruise ships

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

Observer's name: Patricia Kusmicki Observer firm RLMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance √ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 73 LOAD start date: 05-10-04 Times (24hrs): Start 2345 End 0246

2824.538 N 2039.435 W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6 ft

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

Type of material dredged: Sand, Clay

Weather conditions: Clear Sky

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

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

0 = <1 knot/ 0 ft | 3 = 7-10 knot/ 2 ft | 6 = 22-27 knot/10 ft | 9 = 41-47 knot/23 ft | 12 = >63 knot/45

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

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

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

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

100% Inflow screening: None 25% 50% 75% (100%)

100% Overflow screening: None 25% 50% 75% (100%)

N/A Other screening: None 25% 50% 75% 100%

PORT SCREEN CONTENTS: Clay, sand, conch, welch's knots, net

Overflow: Nothing

Personal Items

STARBOARD SCREEN CONTENTS: Sparling, mullet, sheepshead, crabs

Overflow: Nothing

Personal Items

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: Kemp's Ridley

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

Observer's name: Nathaniel Gardner Observer firm KF-JV

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: _____ Maintenance X /New Work _____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 74 LOAD start date: 04-10-04 Times (24hrs): Start 0413 End 0814

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: Sand/clay

Weather conditions: Clear sky, 5 knot breeze

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

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

0 = <1 knot/0 ft 3 = 7-10 knot/2 ft 6 = 22-27 knot/10 ft 9 = 41-47 knot/23 ft 12 = >63 knot/45

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

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

Waves: .5 ft Wind (speed & direction): 5 ft

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 100% Inflow screening: None 25% 50% 75% 100%

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

N/A Other screening: None 25% 50% 75% 100%

PORT SCREEN CONTENTS: Spartina, wood, plastic, burlap bags

overflow: nothing

draghead: nothing

STARBOARD SCREEN CONTENTS: Spartina, welch shells, fishing line

overflow: nothing

draghead: nothing

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 X

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

Comments: 1 cruise ship wertly and 2 bottled nosed dolphins sighted near pier

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

Observer's name: Nathaniel Goddard Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: _____ Maintenance X /New Work ____ PROJECT start date 3-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 75 LOAD start date: 04-10-04 Times (24hrs): Start 1039 End 1742

28° 24.603' N 80° 34.958' W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of draghends: 6'x4'

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

Type of material dredged: Mix of sand, clay & silt w/ some rock + shells

Weather conditions: Several scattered showers with sunshine & clear skies

Tidal stage (CIRCLE ONE) Slack Rising High Falling Low Unknown 1:1 2:12:45

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

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

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

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						
10'	Inflow screening:	None	25%	50%	75%	100%
12'	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: 1 old ecrocaulon nemoides (seaweed); Spartina alterniflora; Sargassum; Penaeus sp. shells; Busycon sp.; mud; plastic; some Sabellaria sp.; includes hairbands; pens; rope; sunglasses (1); aluminum cans, clay, rock, dirt

STARBOARD SCREEN CONTENTS: 1 old natural seaweed mixed with Penaeus sp.; Sabellaria sp.; Spartina alterniflora; Penaeus sp.; Sea Anemone; Spartina alterniflora; shells; Busycon sp.; Murex sp.; Crabbit burrows; fiddler crabs; mud; sand; clay

Estimate/number entrained on this load for the following: 1 clam; scattering of Polychaete worms, 1 calico crab, 1 Callinectes sp. crab, damaged clam

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

1 old sea turtle barnacle

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

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

Comments: _____

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

Observer's name: Patricia Krzwinski/Melissa Kirland Observer firm RL MSA

Observer signature _____

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EA04-C-0035 Maintenance ✓ /New Work ___ PROJECT start date 12-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 76 LOAD start date: 04-10-09 Times (24hrs): Start 16:16 End 21:13

Condition of screening : *Port Good Starboard Excellent Overflow Excellent

*Small gap in port aft door - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

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

Type of material dredged: primarily sand w/ clay and silt and little rock + shell

Weather conditions: Several low-lying clouds with sunshine, calm seas, 1-2 ft swells

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

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

0 = <1 knot/ 0 ft 3 = 7-10 knot/ 2 ft 6 = 22-27 knot/10 ft 9 = 41-47 knot/23 ft 12 = >63 knot/45

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

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

Waves: 5-1 ft Wind (speed & direction): 4-6'

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

WATER TEMP: Surface 27.8 (°C)/°F Column (mid-depth) ___ °C/°F Bottom ___ °C/°F

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

PORT SCREEN CONTENTS: 1 old hypoplastron (scute), 1 old costal (scute), Spartina alterniflora, Thalassia testudinum, Palmetto spp. shells of Busycon spp., Olivella sayana, ostrea virginicus, mangrove spp, ale clams, wildflow clear Dragline: rope, palmetto

STARBOARD SCREEN CONTENTS: 1 old hypoplastron (scute), 1 Limulus polyphemus, Spartina alterniflora, Thalassia testudinum, Palmetto spp. shells of Busycon spp., Overflow: mixed Dragline: Palmetto spp.

Estimate number entrained on this load for the following: Debris: plastic, rope, cloth, aluminum cans

Sturgeon (any species) —

Shark (any species) —

Horseshoe crab 1

Blue crab —

TURTLE OR TURTLE PARTS PRESENT THIS LOAD: YES ✓ NO ___ 3 old turtle bones

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

Comments: 11 cetacean boats passed during D/S

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

Observer's name: Patrick Kingsley Observer firm NEMSA

Observer signature Patrick Kingsley

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓/New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 77 LOAD start date: 04-10-04 Times (24hrs): Start 2318 End 04

Condition of screening : * Port good Starboard Excellent Overflow Excellent

* small gap in port aft box - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: Sand, silt, clay

Weather conditions: mostly clear

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

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

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

Waves: .5-1 ft Wind (speed & direction): 4-6 kts

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

WATER TEMP: Surface 27.8 **°C**/°F Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE						
100%	Inflow screening:	None	25%	50%	75%	**100%**
100%	Overflow screening:	None	25%	50%	75%	**100%**
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Sparting, wood, trash, monofiliment fishing line, fishing pole

Overflow: wood, sparting, trash

Draghead: Shrimp net, palmetto, plastics

STARBOARD SCREEN CONTENTS: sparting, wood, rocks, horseshoe crab, trash

overflow: wood, sparting

Draghead: nothing

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: 11 cruise boat passed during dig

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

Observer's name: [illegible] Observer firm REMSA

Observer signature: [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Carrabelle Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 78 LOAD start date: 05-10-04 Times (24hrs): Start 19:05 End 00:15

28°24.611 N 80°34.823 W

Condition of screening : *Port Good Starboard Excellent Overflow Excellent

*port aft door has gap - pin in place

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'X41

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

Type of material dredged: Sand, Clay

Weather conditions: Rainy

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

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

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

Waves: 3 ft Wind (speed & direction): S

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 23 °C/°F

SCREEN TYPE

100	Inflow screening:	None	25%	50%	75%	100%
N/A	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: welk shells, Oyster rocks, conch shells, Spartina

aqua-flow, nothing

Removed: nothing

STARBOARD SCREEN CONTENTS: welk shells, driftwood, horse shoe crab, rocks, clay

aqua-flow, Marker 17

Removed: nothing

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: 1 small boat

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

Observer's name: Richard Ballard Observer firm KEnSA

Observer signature: [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 79 LOAD start date: 06-10-04 Times (24hrs): Start 0154 End ____

28°24.560 N 80°39.139 W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'x

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: Sand Soil Clay

Weather conditions: Rainy

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

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

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

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

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

WATER TEMP: Surface ____ °C/°F Column (mid-depth) ____ °C/°F Bottom 278 °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	100%
100%	Overflow screening:	None	25%	50%	75%	100%
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: [illegible] Clay

[illegible]

[illegible]

STARBOARD SCREEN CONTENTS: [illegible] aluminum [illegible] weed, [illegible]

[illegible]

[illegible]

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: [illegible]

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

Observer's name: Nathaniel Goddard Observer firm RFMSA

Observer signature [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: _____ Maintenance ___ /New Work ___ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Liberty Island

DREDGE FIRM: Great Lakes

LOAD #: 80 LOAD start date: 6-10-04 Times (24hrs): Start 0701 End 1113

28°24.556N 80°34.969W

Condition of screening: Port Good Starboard Excellent Overflow Excellent

Number of dragheads in use: 2 Type of dragheads used: Universal Size of dragheads: 6'4"

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

Type of material dredged: Sand/clay

Weather conditions: Rain to clearing

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

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

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

Waves: 2+ ft Wind (speed & direction): SE

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 26 °C/°F

SCREEN TYPE

100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Dirt/sand/shell, trace of bait fish

Overflow nothing

STARBOARD SCREEN CONTENTS: Sand/shell/clay, trace of bait fish, trace of crab

Overflow nothing

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: 2 hr. pump

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

Observer's name: Nathaniel Godfrey Observer firm RFNSA

Observer signature _____

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 81 LOAD start date: 06-10-04 Times (24hrs): Start 12:43 End 17:10

28° 24.540' N 80°34.790' W

Condition of screening: * Port Good Starboard Excellent Overflow Excellent

* port aft door has small opening - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: mix of sand, silt and clay with little rock + shell

Weather conditions: mostly cloudy with some breaking; winds 10-15 kts

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

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

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

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

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

WATER TEMP: Surface 27.8 °C/°F Column (mid-depth) ____ °C/°F Bottom ____ °C/°F

SCREEN TYPE

100% Inflow screening:	None	25%	50%	75%	100%
100% Overflow screening:	None	25%	50%	75%	100%
N/A Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Thalassia testudinum, clay, rock; Busycon spp (lightening + channel); moon snail; arc clams; cockle clams; palmetto spp., wood, plastic, net overflow: clear draghead: palmetto, clay

STARBOARD SCREEN CONTENTS: Thalassia testudinum, palmetto spp, clay, rock, Busycon spp., plastic, cloth, 2 scutes (sea turtle) overflow: wood, plastic draghead: clear

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 ____ 2 sea turtle scute pieces

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

Comments: ### cruise ships + freighter passed during load

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

Observer's name: Patricia Kusmarski Observer firm REMSA

Observer signature [signature]

ENDANGERED SPECIES OBSERVER PROGRAM

LOAD DATA FORM

USACE DISTRICT: Jacksonville

CONTRACT #: W912EP-04-C-0035 Maintenance ✓ /New Work ____ PROJECT start date 13-09-04

PROJECT NAME: Canaveral Harbor DREDGE NAME: Padre Island

DREDGE FIRM: Great Lakes

LOAD #: 82 LOAD start date: 06-10-04 Times (24hrs): Start 1932 End 2316

Condition of screening: * Port Good Starboard Excellent Overflow Excellent

* port aft door has small opening - pin in place

Number of dragheads in use: 2 Type of dragheads used: universal Size of dragheads: 6'x4'

Draghead deflector? YES ✓ NO ____ Condition of deflector: Excellent

Type of material dredged: primarily sand mixed w/clay, silt + little rock + shell

Weather conditions: mostly clear, winds E 7-10 kts

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

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

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

Waves: 2 ft Wind (speed & direction): 7-10 kts

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

WATER TEMP: Surface 27.8 (C)/°F Column (mid-depth) ____ °C/°F Bottom 27.8 (C)/°F

SCREEN TYPE						
100%	Inflow screening:	None	25%	50%	75%	(100%)
100%	Overflow screening:	None	25%	50%	75%	(100%)
N/A	Other screening:	None	25%	50%	75%	100%

PORT SCREEN CONTENTS: Spartina alterniflora, Busycon spp., plastic, cloth

STARBOARD SCREEN CONTENTS: Spartina alterniflora, Sargassum weed, Limulus polyphemus, clay, rock, plastic

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: ____

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

Observer's name: Patricia Kusmierski Observer firm REMSA

Observer signature Patricia Kusmierski