ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 12 / 27 / 00

Load # P1 Start 0758 End 0835 Dump 1019 / 1144

Location (lat/long, stations) Area 2 Tide Stage —

Weather (wind dir, beaufort, sea state, temp, etc.) SE 6-8K / 855 2-3 / 2-3' / 69°F / Pt. Cloudy

Water Temp., Surface — Below Mid-Depth —

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

Note biological samples:

Port Draghead Clear Deflector Clear

Stbd Draghead Clear Deflector Clear

Port Inflow, Fore Gastropod / Conch Shell Mid —

Port Inflow, Aft Gastropod / Murex Shell

Stbd Inflow, Fore Gastropod Shell Mid —

Stbd Inflow, Aft Gastropod Shell

Port Overflow, Primary Clear Secondary —

Stbd Skimmer, Primary Clear Secondary —

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

Material Dredged: Sand / Sand dollar / Bivalve Shell

Screening: Effective

NO TURTLE / WHALE / MANATEE TAKE

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
No Sightings		

Observer(s) On Duty: C. Leedy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 12 / 27 / 00

Load # P2 Start 1351/1427 End 1421/1452 Dump 1705

Location (lat/long, stations) Area 2 Tide Stage —

Weather (wind dir, beaufort, sea state, temp, etc.) SSE 10-15K / 0552-3 / 1-3' / 72°F / Pt. Cloudy

Water Temp., Surface — Below Mid-Depth —

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

Note biological samples:

Port Draghead Clear Deflector Clear

Stbd Draghead Clear Deflector Clear

Port Inflow, Fore Gastropod Shell Mid —

Port Inflow, Aft Clear

Stbd Inflow, Fore Plastic Trash Mid —

Stbd Inflow, Aft Gastropod Shell

Port Overflow, Primary Clear Secondary —

Stbd Skimmer, Primary Clear Secondary —

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

Material Dredged : Sand / Sanddollar / Bivalve Shell

Screening : Effective

No TURTLE / WHALE / MANATEE TAKE

Port arm down through half of dig

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
T. t / S. frontalis	4-8 / 18-25	1208 / En route to dig (near pumpout) / Both species feeding in close proximity
/		
/		

Observer(s) On Duty: C. Leahy

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 12/27/00

Load # P3 Start 1942 End 2016 Dump 2141

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SE ~10 KTS, BSS 2-3, 1-3' SEAS

Water Temp., Surface ~20°C Below Mid-Depth

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore GASTROPOD SHELLS & ROCK Mid —

Port Inflow, Aft GASTROPOD SHELLS

Stbd Inflow, Fore PLASTIC Mid —

Stbd Inflow, Aft CLEAR

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE BEING DREDGED IS SAND.

- SCREENING IS EFFECTIVE.

- NO TURTLE / WHALE / MANATEE TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		

Observer(s) On Duty: CHRIS FRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 12/28/00

Load # P4 Start 0203 End 0249 Dump 0430

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SSE ~ 10 KTS, BSS 2-3, 1-3' SEAS,

Water Temp., Surface ~20°C Below Mid-Depth

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR Mid —

Port Inflow, Aft CLEAR

Stbd Inflow, Fore CLEAR Mid —

Stbd Inflow, Aft GASTROPOD SHELLS

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE BEING DREDGED IS SAND

- SCREENING IS EFFECTIVE.

- NO TURTLE / WHALE / MANATEE TAKE

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		

Observer(s) On Duty: GIB TRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 12/28/00

Load # P5 Start _____ End _____ Dump 1057

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida, Patrick

Date: 12 / 28 / 08

Load # 86 Start 1200 End 1247 Dump 1500

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SE Winds 10 kts, Seas 2-4 ft, Overcast

Water Temp., Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead 0 Deflector Ok

Stbd Draghead 0 Deflector Ok

Port Inflow, Fore Gastropod mollusks Mid —

Port Inflow, Aft

Stbd Inflow, Fore and echinoderms Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary Secondary —

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 12/22/10

Load # P7 Start 1718 End 1755 Dump 1925

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Overcast, SE winds 15kts, Seas 3-5ft, BSS 4

Water Temp., Surface Below Mid-Depth

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR Mid —

Port Inflow, Aft CLEAR

Stbd Inflow, Fore CLEAR Mid —

Stbd Inflow, Aft CLEAR

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE IS SAND

- SCREENING IS EFFECTIVE

- NO TURTLE / WHALE / MANATEE TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		

Observer(s) On Duty: CHRIS FRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 12/28/00

Load # P8 Start 2221 End 2254 Dump 0028

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) W N 15-20 KTS, BSS 3-4, PT. CLOUDY

Water Temp., Surface Below Mid-Depth

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR Mid —

Port Inflow, Aft GASTROPOD SHELLS

Stbd Inflow, Fore CLEAR Mid —

Stbd Inflow, Aft GASTROPOD SHELLS

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE IS SAND -

- SCREENING IS EFFECTIVE -

- NO TURTLE / DAMAGE / MANATEE TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		

Observer(s) On Duty: GTS TRYPE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 12/29/00

Load # P9 Start 0208 End 0352 Dump 0519

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) WNW 10-15 KTS, BSS 5-4, PT. CLOUDY

Water Temp., Surface Below Mid-Depth

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR Mid —

Port Inflow, Aft CLEAR

Stbd Inflow, Fore GASTROPOD SHELLS Mid —

Stbd Inflow, Aft CLEAR

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE IS SAND.
- SCREENING IS EFFECTIVE.
- NO TURTLE/WHALE/MANATEE TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		

Observer(s) On Duty: CHRIS TRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida, Patrick Airforce Base

Date: 12/29/00

Load # P10 Start 0800 End 0930 Dump 1050

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NE Wind 10 kts, Seas 3ft, Overcast, Air temp 11°C Water Temp., Surface 20° C Below Mid-Depth 20 °C

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

Note biological samples:

Port Draghead Gastropods (conch, murex) Deflector Of

Stbd Draghead Deflector

Port Inflow, Fore Mid —

Port Inflow, Aft Echinoderms (sand dollar)

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary Secondary —

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: ~~Brevard Co. Florida~~ PatrickAFB

Date: 12/29/00

Load # P11 Start 1250 End 1327 Dump 1626

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Rainy 10° E, Overcast BS 3-4, Wind N 10-15

Water Temp., Surface 19 °C Below Mid-Depth 20 °C

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

Note biological samples:

Port Draghead 0 Deflector Off

Stbd Draghead 0 Deflector

Port Inflow, Fore 0 Mid —

Port Inflow, Aft Whelks, Murex, Conch

Stbd Inflow, Fore Bivalve fragments Mid —

Stbd Inflow, Aft Echinoderms, Sand dollars

Port Overflow, Primary ✓ Secondary —

Stbd Skimmer, Primary ✓ Secondary —

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: PS

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: ~~Brevard Co.~~ Florida, PATRICK AFB

Date: 12 / 29 / 0

Load # P12 Start 1734 End 1811 Dump 1934

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) N winds 10kts, Seas BS3, with good swell, Air temp 10°C Overcast Water Temp., Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR Mid —

Port Inflow, Aft GRATEWOOD STEELS

Stbd Inflow, Fore CLEAR Mid —

Stbd Inflow, Aft CLEAR

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE IS SAND.

- SCREENING IS EFFECTIVE.

- NO TURTLE/WHALE/MANATEE TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		
/		

Observer(s) On Duty: GB Frye & PS

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: ~~Brevard Co. Florida~~, PATRICK AFB

Date: 12/29/0

Load # P13 Start 2222 End 2252 Dump 0024

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NW 10 KTS, BSS 3-4, CLOUDY

Water Temp., Surface 14°C Below Mid-Depth 14°C

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore GASTROPOD SHELLS Mid —

Port Inflow, Aft GASTROPOD SHELLS

Stbd Inflow, Fore GASTROPOD SHELLS Mid —

Stbd Inflow, Aft CLEAR

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE IS SAND -

- SCREENING IS EFFECTIVE -

- NO TURTLE / MAMMAL / MANATEE TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		
/		

Observer(s) On Duty: GTB Fryer

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida, PATRICK AFB

Date: 12/30/00

Load # D14 Start 0312 End 0357 Dump 0519

Location (lat/long, stations) Area 2 Tide Stage ____

Weather (wind dir, beaufort, sea state, temp, etc.) NW 15-20 KTS, BSS 4-5, PT. CLOUDY

____ Water Temp., Surface ~14 °C Below Mid-Depth ~14 °C

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR Mid —

Port Inflow, Aft GASTROPOD SHELLS

Stbd Inflow, Fore CLEAR Mid —

Stbd Inflow, Aft CLEAR

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SUBSTRATE IS SAND -

- SCREENING IS EFFECTIVE -

- NO TURTLE / WHALE / MANATEE TAKES -

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
NO SIGHTINGS		
/		

Observer(s) On Duty: CHRIS FRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 12 / 30 / 00

Load # P15 Start 0832 End 0902 Dump- 1045 -

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NW 15 knots, Clear skies, 14° C Air temp

3-5 ft. Seas Water Temp., Surface Below Mid-Depth

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

Note biological samples:

Port Draghead 0 Deflector

Stbd Draghead Deflector

Port Inflow, Fore Mid —

Port Inflow, Aft

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary 0 Secondary —

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: [signature]

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 12 / 30 / 00

P16

Load # ~~27~~ Start 1346 End 1429 Dump 1715

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) ClearSkies, NW wind 15-20, Seas 3-5 ft, Air temp 15° C Water Temp., Surface Below Mid-Depth

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

Note biological samples:

Port Draghead Deflector OF

Stbd Draghead Deflector

Port Inflow, Fore Mid —

Port Inflow, Aft

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary Secondary —

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: PS

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: ~~Brevard Co. Florida~~ P. AFB

Date: 1/10

Load # P17 Start 0540 End 0620 Dump 0830

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.)

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Deflector

Stbd Draghead Deflector

Port Inflow, Fore Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Skimmer, Primary Secondary

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 01/02/01

PA

Load # [illegible] Start 0645 End 0710 Dump -1000-

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) [illegible] 15-20kts, Sea 3-5, [illegible]

Water Temp., Surface 15 Below Mid-Depth 15

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Deflector

Stbd Draghead Deflector Ok

Port Inflow, Fore Mid —

Port Inflow, Aft

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary Secondary —

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 01/02/01

oad # P20 Start 1144 End 1235 Dump 1400

ocation (lat/long, stations) Area 2 Tide Stage

Veather (wind dir, beaufort, sea state, temp, etc.) NW wind 15-20, Seas 3-5 ft, Pltly cloud

Water Temp., Surface 15 Below Mid-Depth 15

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

lote biological samples:

Port Draghead Deflector

Stbd Draghead Deflector

Port Inflow, Fore Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Skimmer, Primary Secondary

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty:

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 01/02/01

Load # P21 Start 1721 End 1800 Dump 1928

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Variable 10-15 kts, Seas 3-4, Overcast

Water Temp., Surface 15 Below Mid-Depth 15

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore Mid —

Port Inflow, Aft GASTROPODS

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary CLEAR Secondary —

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

- SAND
- NO TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: S

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 01/02/01

PZZ

Load # [redacted] Start 2227 End 2255 Dump 0017

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NW 10 KTS, 2-3' SEAS, CLOUDY

Water Temp., Surface 15°C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead CLEAR Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore Mid —

Port Inflow, Aft GASTROPODS &

Stbd Inflow, Fore CLOTHING Mid —

Stbd Inflow, Aft

Port Overflow, Primary CLEAR Secondary —

Stbd Skimmer, Primary Secondary —

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

- SAND -

- NO TAKES -

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ø		

Observer(s) On Duty: GR FRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 01/03/01

Load # P23 Start 0309 End 0346 Dump _____

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NW 10 KTS, 2-3' SEAS, CLEAR

_____ Water Temp., Surface 15°C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead _____ Deflector OK

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid —

Port Inflow, Aft METAL

Stbd Inflow, Fore _____ Mid —

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary —

Stbd Skimmer, Primary _____ Secondary —

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

- SAND -

- NO TAKES -

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
~~&~~		

Observer(s) On Duty: [illegible]

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: ~~Brevard Co., Florida~~, PATRICK AFB

Date: 03/03/07

Load # P24 Start 1851 End 0921 Dump 2047

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NNW/2 10 KTS, BSS 3-4, OVERCAST

Water Temp., Surface 15°C Below Mid-Depth 15°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore Mid —

Port Inflow, Aft (MASTERED)

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary Secondary —

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

SAND

NO TURTLES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
0		

Observer(s) On Duty: EVER TRYON

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co., Florida

Date: 01/05/0

Load # P25 Start 2354 End 0030 Dump 0157

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NW/W ~10 KTS, BFT 3, CLOUDY

Water Temp., Surface 15°C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead Deflector OK

Stbd Draghead Deflector

Port Inflow, Fore PAST FORM FISH Mid —

Port Inflow, Aft METAL

Stbd Inflow, Fore Mid —

Stbd Inflow, Aft

Port Overflow, Primary Secondary —

Stbd Skimmer, Primary Secondary —

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

SAND

NO TAKES

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
∅		

Observer(s) On Duty: CHR FRYE

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 07/03/01

Load # P26 Start 0457 End 0520 Dump _____

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) MVU Wind 10-15 kts Seas 3-5 ft, Clear Skies

_____ Water Temp., Surface 15°C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore Mollusks, Scraped Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: PB

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co. Florida

Date: 1-14-01

Load # 827 Start 1020 End 1115 Dump 1315

Location (lat/long, stations) Area 2 552 1630 Tide Stage 1740

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead Ø Deflector _____

Stbd Draghead Ø Deflector _____

Port Inflow, Fore _____ Mid —

Port Inflow, Aft Skate Shell

Stbd Inflow, Fore ~~Skate~~ Mid —

Stbd Inflow, Aft Skate, Shell, Wood

Port Overflow, Primary _____ Secondary —

Stbd Skimmer, Primary _____ Secondary —

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

S L D

	P	D	29	2119	2152	2325 → END	01/04/01
1/5/01	P	D	30	0230	0300	0431	
	P	D	31				

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Sunfish	1	dig site

Observer(s) On Duty: Pete Westerman & [illegible]

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Hickam Air Base

Date: 1/5/01

P

Load # 30,31,32 Start 0230 End 0305 Dump 0830

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, winds NE 10-15, seas 2-3

Water Temp., Surface 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 Shell, wood, skate Mid

Port Inflow, Aft " METAL "

Stbd Inflow, Fore " " Mid

Stbd Inflow, Aft " "

Port Overflow, Primary N/A Secondary

Stbd Skimmer, Primary Secondary

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

Load #	Start	End	Dump	
P 30	0230	0305	0830	
P 31	0755	0828	1006	
P 32	1305	1340	1500	
P 33	1800	1830	2008	END 01/05/01
P 34	2300	2331	0101	
P 35	0414			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Peter Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PAFB

Date: 01/06/01

10
41
45 444

Load # 34 Start 2300 End 2331 Dump 0101

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, winds NNE 10-15 kts, seas

Water Temp., Surface 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 Shell Mid

Port Inflow, Aft ECHINODERMS, ROPE

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary / / Secondary / /

Stbd Skimmer, Primary / / Secondary / /

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

35	0414	0530	0605
36	0930	1015	1130
37	1410	1450	1600
38	1921	1952	2118 — END 01/06/01
39	0013	0044	0217

Clean sand

2 humpback whales (MN) between Area 2 and booster ½ mile East of vessel, a series of 5 or 6 blows

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
~~Large whales~~	~~3~~	~~1030 between Area 2 and booster~~
~~Large puffy~~		
~~Below possible humpback~~		
~~H 1 boster~~		~~booster~~

Observer(s) On Duty: Westerman, Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PATRICK AFB

Date: 01/07/01

Load # ↓ Start _____ End _____ Dump _____

Location (lat/long, stations) Area II Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

17°C 64°F Water Temp., Surface _____ Below Mid-Depth 1520

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

Note biological samples:

Port Draghead _____ Deflector OK

Stbd Draghead GASTROPODS Deflector OK

Port Inflow, Fore ECHINODERMS Mid _____

Port Inflow, Aft BIVALVES

Stbd Inflow, Fore RAJIFORM Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary / Secondary /

Stbd Skimmer, Primary / Secondary /

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

P39	0013	0044	0217
P40	0525	0610	0645
P41	0947	1025	1140
P42	1445	1530	1645
P43	1903	2000	2130 - END 01/07/01
P44	d		
P45			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TT	10-12	900-930 in passage to dig area

Observer(s) On Duty: Westerman, Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB, Florida

Date: 1/8/01 Monday (New Week)

Load # P 44, 45, 46 Start 0010 End 0041 Dump 0140

Location (lat/long, stations) Area 2 Tide Stage ✓

Weather (wind dir, beaufort, sea state, temp, etc.) Winds SW 10-15-20 Beaufort 3, seas 2,3' Clear to overcast

Water Temp., Surface 17° 1000 Below Mid-Depth 17°

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 Mid

Port Inflow, Aft pufferfish, rock, shell – sparse debris

Stbd Inflow, Fore WIRE Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Skimmer, Primary Secondary

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

N 28° 21.539 halfway point

W 80° 29.817

load	Start	End	Dump
45	0444	0530	0610
46	0915	0945	1115
47	1359	1429	1559
48	1840	1910	2044
~~49~~			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
lt	10-20	all day, everywhere

Observer(s) On Duty: Peter Westerman, Gib Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PATRICK AFB, FLORIDA

Date: 01/09/01 Tuesday

Load # 49 Start 2319 End 2355 Dump 0115

Location (lat/long, stations) Area 2 290° Test area Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) N 15-20 Kts, seas 2-3, skies clear

_____ Water Temp., Surface 15° 60° Below Mid-Depth 15° 60°

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 GASTROPODS, BIVALVES Mid _____

Port Inflow, Aft ECHINODERMS

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

49	2319	2355		
50	0410	0496	0610	46 Brevard test area
51	0905	0950	1120	
Newsite 52	1310	1420	1500	→ new area dumped at the alaska
53	1600	1650	1800	
54	2113	2146	2317	
55				

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed Dolphin	11	Dig site

Observer(s) On Duty: Westerman, Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Wednesday

Dredge: Dodge Island

Project: Patrick AFB, Florida

Date: 1/10/01

Load # 46 Brevard Start 54 Patrick End AFB Dump

Location (lat/long, stations) Area 2 Tide Stage NA

Weather (wind dir, beaufort, sea state, temp, etc.) NW 15-20, seas 2-3

Water Temp., Surface 15°C 60°F Below Mid-Depth 15°C 60°F

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 sand only, small fish Mid X

Port Inflow, Aft

Stbd Inflow, Fore Mid X

Stbd Inflow, Aft

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary X

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

Load	Start	End	Dump	
P54	0831	0307	0430	PIAFB
47	0712	0749	0800	Brevard Co.
48	0955	1100	1150	Brevard Co.
49	1515	1600	1700	Brevard Co.
50				Brevard Co.
51	1744	1822	1921	Brevard Co.
52	2015	2052	2147	Brevard Co.
53	2241	2319	0024	Brevard Co.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed dolphin (1t)	15:20	Digsite, transit, dump

Observer(s) On Duty: Peter Westerman, Bob Fryse

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PAFB, Florida

Date: 1/11/07

Load # P55 Start 0120 End 0236 Dump 0417

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SE 5-10 kts, seas 1', skies Clear

Water Temp., Surface 19°C 67°F Below Mid-Depth 18°C 64°F

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 Ø Mid

Port Inflow, Aft Ø

Stbd Inflow, Fore Ø Mid

Stbd Inflow, Aft Ø

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary X

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

P55	0120	0236	0417	PAFB
P56	0700	0720	0840	
P57	1145	1217	1330	
P58	1645	1720		
P59	2201	2234	0007	
P60	0250	0331	0506	

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed dolphin (T+)	10-15	digsite, pumpout, transit

Observer(s) On Duty: Westerman, Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB, Florida

Date: 1/12/01

Load # P 59 Start 2201 End 2234 Dump 0007

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW 10-15 Kts seas 1'

Water Temp., Surface 17°C Below Mid-Depth 17°C

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

Note biological samples:

Port Draghead X Deflector OK

Stbd Draghead X Deflector OK

Port Inflow, Fore sand Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary X

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

Load	Start	End	Dump
P 60	0250	0331	0506
P61	0755	0827	1000
62	1245	1317	1416
63	1800	1850	2000
64	2245	2315	0046
65	0358	0432	

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed dolphin	(1+)	

Observer(s) On Duty: Peter Westerman, Gib Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PATRICK AFB

Date: 01 / 13 / 01

Load # 64 Start 2245 End 2315 Dump 0046

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds NW 15-20 Kts, seas 2-3', Overcas

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead Deflector OK

Stbd Draghead Deflector OK

Port Inflow, Fore GASTROPODS, BIVALVES Mid X

Port Inflow, Aft ECHINODERMS

Stbd Inflow, Fore WOOD Mid X

Stbd Inflow, Aft

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary X

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

load #	Start	End	Dump
65	0358	0432	0530
66	0845	0947	1101
67	1414	1447	1610
N 28° 17.	534	1325	large Ballon
W 80° 32.	695		blow, ~~[illegible]~~
68 → 1915	→ 1945	→ 2110	all black tapered

N 3 beaufort

15-20 Kts

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed dolphin (Tt)		
Sunfish	Digsite (Mm)	0930

Observer(s) On Duty: Peter Westerman, Gib Fry

$2 x 9

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: DODGE ISLAND

Project: PAFB

Date: 01/14/01

Start Weekly Sunday

Load # 69-7 Start _____ End _____ Dump _____

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NE 10-15 kts, seas 1'

_____ Water Temp., Surface 17°c 64°F Below Mid-Depth 17°c 64°F

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

Note biological samples:

Port Draghead wire, wood Deflector OK

Stbd Draghead shell, trash Deflector OK

Port Inflow, Fore SCHIPHOZOAN CNIDERIANS Mid X

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid X

Stbd Inflow, Aft _____

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary X

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

69	0018	0049	0219
70	0536	0606	0727
71	1023	1052	1215
72	1519	1554	1715
73	2026	2055	2283
01/15 - 74	0152	0225	0424

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenose Dolphin (TT)	20-25	common sight at dump digsite and while in transit
Sunfish (MM)	1	Transit

Observer(s) On Duty: Peter Westerman, Gib Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PAFB

Date: 01 / 15 / 01

Load # 74 Start 0152 End 0225 Dump 0424

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds variable, seas calm, skies fog

Water Temp., Surface 18° C Below Mid-Depth 18° C

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 Mid

Port Inflow, Aft X

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary Secondary

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

	74	0152	0225	0424
	75	0830	0915	1015
	76	1320	1400	1710
→	77	1819	1850	2015
	78	2311	2345	0116
BEGIN 01/16 →	79	0425	0457	or minum safe

Time lat Direction,

N 28° 16.272 2 NE of

W 80. 33° .70 Booster

40°

1225

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed		

server(s) On Duty: Peter Westerman, Gib Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: FAFB

Date: 01/16/01

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds seas skies

_____ Water Temp., Surface 19°C Below Mid-Depth 19°C

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector OK

Stbd Draghead WOOD Deflector OK

Port Inflow, Fore GASTROPODS Mid _____

Port Inflow, Aft BIVALVES

Stbd Inflow, Fore ECHINODERMS Mid X

Stbd Inflow, Aft SCHIZOZOANS

Port Overflow, Primary POLYCHAETE X Secondary X

Stbd Skimmer, Primary _____ Secondary X

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

79	0425	0457	0630
80	0940	1020	1135
81	1440	1500	1700
~~82~~	2019	2048	2217

FSEGN 01/17 ⇒ 83

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
(TT)		

Observer(s) On Duty: Westerman / Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PAFB and Brevard

Date: 01 / 17 / 01

Patrick AFB

Load # 83 Start 0100 End 0200 Dump 0300

Location (lat/long, stations) AREA 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) NNE 10 Kts, seas 1' [illegible], partly cloudy

Water Temp., Surface 19°C Below Mid-Depth 19°C

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 Gas - Biv. - Ech. flounder Mid

Port Inflow, Aft [illegible]

Stbd Inflow, Fore Mid X

Stbd Inflow, Aft

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary Secondary

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

PAFB 83	0100	0200	0300
Brevard - 54	0720	0750	
Brevard 55	0934	1012	1111
Brevard 56	1205	1350	1430
Brevard 57	1500	1531	1630
Brevard 58			
PAFB P84	1944	2018	2135
PAFB P85	0000	0032	0155
PAFB P86	0420	0452	0201

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ocean Sunfish (Mola mola) (1+)	20-25	digsite

Observer(s) On Duty: Westerman, Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB, Florida

Date: 01 / 18 / 01

Load # P85 Start _____ End _____ Dump _____

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds Variable, seas calm, skies Cl

_____ Water Temp., Surface 19.5°C Below Mid-Depth 68° F

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

Note biological samples:

Port Draghead _____ Deflector OK

Stbd Draghead _____ Deflector OK

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

	P85	0000	0032	1555
ON BACK	P86	0420	0452	0800
	P87	0820	0900	1015
	P88			
	P89			
	D88			

* past 3 days have had excellent visibility without any whales being spotted.

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
TT	25-30	
Ocean Sunfish (Mola mola)	2	digsite

(s) On Duty: Peter Westerman, Gib Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: PIAFB & Brenard Co.

Date: 8/1/19/01

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface 67°C Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead GASTROPODS Deflector _____

Port Inflow, Fore BIVALVES Mid _____

Port Inflow, Aft ECHINODERMS

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

P89	0156	0225	0349	PIAFB
P90	0609	0612	0813	PIAFB
P91	1055	1107	1238	PIAFB
59	1450	1519	1624	BRENARD CO
60	1711	1744	1848	
61	2040	2018	2127	
62	2218	2256	0000	

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Chris & Pete

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: _____

Date: 9/20/01

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

97 97

19.5

14 – 20

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 1/19/01

Load # 89 Start 0156 End 0226 Dump 0310

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds SSE 10-15 kts, seas 2', skies overcast

Water Temp., Surface 67°F Below Mid-Depth 64°F

19.5° 20°C

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 Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary

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

	Start	End	Dump	
90	0630	0715	0800	
91	1030	1108	1230	
59	1445	1517	1600	Brevard
60	1715	1758	1730	
61				
62				
63	0059	137		
64	0326			
	0557			

all day

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenosed dolphin (T)		

Observer(s) On Duty: Peter Westerman, Bob Frye

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard County, Florida / Patrick AFB, Florida

Date: 01/21/01

2 dailys

Load # 72 Start _____ End _____ Dump ~~0045~~

Location (lat/long, stations) Area 2 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds 12-15 kts NW, seas 2-3ft sky-partly cloudy

_____ Water Temp., Surface 63° Below Mid-Depth 63°F (17°C)

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

Note biological samples:

Port Draghead _____ Deflector OK

Stbd Draghead Sand dollars Deflector OK

Port Inflow, Fore flounder Mid X

Port Inflow, Aft Whelks

Stbd Inflow, Fore conch Mid X

Stbd Inflow, Aft _____

Port Overflow, Primary X Secondary X

Stbd Skimmer, Primary X Secondary X

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

	Start	End	Dump	
72	2210	2348	0045	
73	0120	0200	0315	
74	0405	0435	0535	↑ Brevard Co
75	0625	0700	0800	
92	0900	0937	1110	↓ PATRICK AFB
93	1320	1410	1515	
94	1730	1810	1930	
95	2200	2225		

Bridge Watch Summary

Species	# of Animals	Animal Location/ Comments
Sharptail Mola	3 (ML)	2 at dredge site, 1 in transit previously identified as an Ocean Sunfish

Observer(s) On Duty: Peter Westerman Cindy Franz

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB / Brevard Co.

Date: 01 / 22 / 01

Load # 95 Start 2150 End 2225 Dump 0055

Location (lat/long, stations) Area 2 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds- N 10-15 seas- 2ft sky-cloudy

Water Temp., Surface Below Mid-Depth 63°F 17°C 59°F

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

Note biological samples:

Port Draghead Deflector OK

Stbd Draghead Chris 904 277 4599 Deflector OK

Port Inflow, Fore Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Skimmer, Primary Secondary

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

Load	Start	End	Dump	
95	2150	2225	0055	Patrick AFB
96	0158	0228	0500	
97	610	0641	0810	Mixy
98	1014	~~1045~~ 1101	1345	PAFB
76 ~~99~~	1458	1530	1735	Brevard
77 ~~100~~	~1910	1947	2130	

N 28° 24' 416

W 80° 26' 589

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
right whale	2	time 1030, 1445, and 1544
		location - at or near the dig area
		mother and calf

Observer(s) On Duty: Peter Westerman Cindy Franz

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co.

Date: 01 / 23 / 00

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds N 15-20kts, seas 3-5ft, sky-cloudy

_____ Water Temp., Surface 13°C (59°F 15°C) Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore ~~unidentified crab~~ Mid _____

Port Inflow, Aft ~~particle board~~

Stbd Inflow, Fore _____ Mid flounder in hopper - Load 81

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
78	2315	2355	0125	crab	Brevard
79	0300	0345	0520	particle board	
80	0700	0730	0905		
81	0952	1033	1150	flounder	40-13°C
82	1245	1325	1423		
~~83~~	~~1513~~	~~1544~~			6-8' seas @ dig

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Cindy Franz Brian Fedorko

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Brevard Co, FL / PATRICK AFB

Date: 01 / 24 / 2001

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) 28°24.013'N 80°26.930'W - Brevard 83 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) 6ft ground swell Sunny Skies

_____ Water Temp., Surface 14°C Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load:	Start	End	Dump			
83	0803	0817	0930	Brevard Co.		
84	1022	1058	1207			14°C/57°F
99	1252	1342	1600	AFB.	shells	28° 24.434'N 80° 26.808'W AFB Rig
100	1707	1735	2020			28 24.410 'N 80°26.821'W AFB Rig 14°C
~~Ft~~	~~2130~~	~~2200~~				57°F

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Ft	2	on the way to the dump

Observer(s) On Duty: Cindy FRANZ; BRIAN FEDORKO

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 01/25/01

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Sunny Winds NE 5-10 kts.

_____ Water Temp., Surface 58°F Below Mid-Depth 58°F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
101	2120	2200	2430	sting ray	AFB
102	0145	0218	0500		
103	0610	0640	0925		
104	1033	1105	1350	Calico Crab (x1)	
105	1500	1530	1815		58°F
106	1915	2000	2240	cannonball jellyfish	

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Tt	3-4	on the way to the dump

Observer(s) On Duty: Cindy Franz Brian Fedarko

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 01/26/01

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) 28°24.198'N 80°27.291'W winds 4-7kts, mostly clear skies Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) air temp. - high ~ 65°F 1-3' seas

_____ Water Temp., Surface 61-62°F Below Mid-Depth 61-62°F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
107	2350	0020	0300	fishing line + weights	AFB
108	0410	0432	0710	metal	
109	0821	0853	1210		61°F H_2O
110	1325	1354	1610	shells - sand dollars, wallet, helmet	
111	1721	1756	2025	metal wire	62°F H_2O
~~112~~	~~2130~~	~~2215~~			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Dolphin	2-3	1440 - 28°18.000'N 80°32.890'W

Observer(s) On Duty: Cindy Franz Brian Fedorko

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB - FL

Date: 1/27/00 2001

Load # 112 Start _____ End _____ Dump _____

Location (lat/long, stations) 28° 24.221' N x 80° 27.282' W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) light winds, calm seas, mostly clear skies.

_____ Water Temp., Surface 61°F - 60°F Below Mid-Depth 61 - 60° F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump	
112	2130	2215	0031	naval shells AFB
113	0140	0216	0459	" "
114	0605	0641	0915	jellyfish; plastic waste; crab (No ID)
115	1017	1053	1340	
116	1445	1520	1800	sheets
117	1905	1940	2215	
	~~2345~~			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Cindy Fray Brian Fedorko

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 01 / 28 / 01

Load # 118- Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) calm seas; light breeze; clear skies

high Air Temp.: ~65°F Water Temp., Surface 60°F Below Mid-Depth 60°F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump	
118	2315	2354	0225	jellyfish
119	0325	0410	0810	60°F
120	1328	1400	1630	60°F
121	1743	1815	2055	
~~122~~	~~2156~~	~~2245~~		

1 sec. sighting // NOT a leatherback. Best Guess - Loggerhead

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Sea Turtle (unmarked)	1	25' off port beam 2-3' Carapace Length on surface in ship channel - 1245 hrs 28°24.334'N x 80°34137'W
Dolphin	3-4	1432 hrs 28°20.003'N 80°30.864'W
Dolphin - Bottlenose	1	1647 hrs 28 15.19 80°35.05'W

Observer(s) On Duty: Cindy, Franz Brian Fedako

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 01 / 28 / 01

Load # 122-127 Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) light winds, calm seas 1-3 seas, partly cloudy

_____ Water Temp., Surface 61-63°F Below Mid-Depth 61-63°F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
122	2156	2245	0110	jellyfish	AFB
123	0215	0245	0505	trash	63°F
124	0605	0635	0905		
125	1018	1055	1315	trash/shells	63°F
126	1423	1450	1705	shells	
127	0625	0705	2200	wire	61°F
	~~2255~~				

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Manta	1	0905 - Passing Out Site
Bottlenose Dolphin	3-5	1355 - Entrance to Ship Channel - on way to dig site.

Observer(s) On Duty: Cindy Franz Brian Fedako

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 01/30/01

Load # 128-132 Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Nigh Air temp - ~73°F 2-4' Seas. Swells to 6' Winds - SW 10 Water Temp., Surface 60°F Below Mid-Depth 60° F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
					AFB
128	2255	2335	0230		
129	0530	0410 -	0650		
130	0800	0836	1115	Skate/Ray (no ID)	Aft Stbd Cage 60°F H_2O
131	1223	1256	~1535	Small crab (no ID) - in hopper	
132	~~1431~~ 1641	1711	2000	crab (no ID) - Scrap Metal; Helmets	60°F
~~133~~	~~2100~~	~~2145~~			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Cindy Franz Brian Fedorko

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 01 / 31 / 01

Load # 133-134 Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds 5-8 kts., seas 2 ft partly cloudy

_____ Water Temp., Surface 15°C Below Mid-Depth 15°C

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump	AFB
133	2100	2145	0010	fish
134	0125	0205	0450	wire part of time
~~135~~	~~0008~~			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Cindy Franz Brian Fedako

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB - FL

Date: 02/01/01

Load # 135-139 Start _____ End _____ Dump _____

Location (lat/long, stations) 28° 24.416 N x 80° 26.889 W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) a.m. - Flat calm; hazy; low vis.

p.m. - 1-3' seas / air temp high ~70°F Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
135	0008	0040	0257	rubber metal in stbd. draghead	AFB
136	0409	0445	~0710		62°F
137	0819	0855	1125	metal // Crab x 2 (Blue?)	
138	1234	1301	1528		61°F
139	1652	1722	2000		
~~140~~	~~2055~~	~~2112~~			

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Mola	1	0845 - At dig site
Mola	1	0945 ± - 3.4 nm N of dump site (on way to boosters)
Bottlenose Dolphin	4-6	1326 hrs - ½ way between dig/dump sites -
" Dolphin	10-15	1644 hrs - 1 nm S of dig site - on way to dig site.

Observer(s) On Duty: Cindy Franz Brian Fedako

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 02 / 02 / 01

Load # 140-145 Start _____ End _____ Dump _____

Location (lat/long, stations) 28°24.224'N x 80°26.606'W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) pm. winds from N 15-20 kts Seas 3-5' beaufort-4 [a.m.-calm/foggy] Water Temp., Surface 60°F Below Mid-Depth 60° F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore Julie Alberts - Marine Resources Council Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump	
140	2055	2142	0005	
141	0115	0154	0410	
142	0510	0546	0810	
143	0920	0951	1210	
144	1328	1358	~1615	
145	1730	1800	2030	wire & rubber . HQ 60°F
~~146~~	~~2135~~	~~2210~~		~~skate, wooden board, wire & rubber~~

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenose Dolphin	6-8	1324 - Dig site
Bottlenose Dolphin	4-6	1502 - Dump Site

Observer(s) On Duty: Cindy Frang Brian Fedako

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB

Date: 02/03/01

Load # _____ Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) a.m. - overcast; choppy - some light rain

_____ Water Temp., Surface _____ Below Mid-Depth _____

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump	
146	2135	2210	0038	skate, wooden board, wire & rubber
147	0137	0210	-0446	fish, board 61°F
148	0544	0615	: 0835	skate. 15" adjustable wrench
149	0948	1015	1250	speckled worm eel (Myrophis punctatus) - in hopper
150	1405	1435	1640	2 Hermit Crabs
151	1800	1835	2210	
1				

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Mola	1	1310 - N of dump site ~1-2 nm
N. Right Whale	2	1400-1435 - Mkt @ Dg Site

Observer(s) On Duty: Cindy Franz, Brian Fedorko

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Dodge Island

Project: Patrick AFB, Florida / BREVARD Co., FL

Date: 02/04/01

AFB ↓ / BREVARD 85-91

Load # 152 / ~~83-89~~ Start _____ End _____ Dump _____

Location (lat/long, stations) BREVARD Co. - 28°24.000'N x 80°26.36'W Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) OVERCAST after early am. sun.

wind - from NNE Water Temp., Surface 61-63°F Below Mid-Depth 61-63°F

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

Note biological samples:

Port Draghead _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Skimmer, Primary _____ Secondary _____

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

Load	Start	End	Dump		
152	0022	0055	0430	2 hermit crabs, 1 crab	63°F
835	0655	0727	0830	1 calico crab.	
846	0916	0949	1052	1 Naked Sole (Flatfish)	17°C/63°F - dump site
857	1138	1208	1310		16°C/61°F - dig site
868	1355	1425	1527	Eel (~2' long - No id)	
879	1615	1646	1745		
890	1832	1905	2002	jellyfish	
891	2046	2125	2228	jellyfish, trash	63°F

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments
Bottlenose Dolphin	4; 4-6	~1245 - on way to dump site.

Observer(s) On Duty: Cindy Franz Brian Fedorko