REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 174

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1313 to 1353
Shift#: 174
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 0453 / 2314
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:
Stand By 10:30 am - 12:00 pm
due to 8-10 ft. swells

Water Temp. 56°F
Wave Height: 6-8 ft (strong)
Air Temperature: 73° F
Wind Speed/Direction: SW 10-15 kn.
Barometric Pressure: 30.08 ↔

BEGIN TOW

Time: 1313
Depth: 30.7
Speed Mid-Tow: 2.4 knots
Latitude: 28 . 24 . 178
Longitude: 96 . 18 . 400
Loran:
Station/Buoys: 3 + 4

END TOW

Time: 1353
Depth: 34.7 ft
Total Tow Distance: ft
Latitude: 28° 23 . 787
Longitude: 96° 17 . 594
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

* dredging activity temporarily ceased due to high seas. (8-10 ft. swells) At 1313 hrs. when dredging was resumed by dredge Atchafalaya, swells still @ 6-8 ft. Last night's take (Atlantic Green Turtle) aboard dredge was during similar conditions.

→ See reverse for Bycatch Results.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 175

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1406 to 1446
Shift#: 175
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:
STILL EBBING, MAY SLACK A BIT BY NEXT DRAG.

Water Temp. 57°F
Wave Height: 6-8 FT (STRONG)
Air Temperature: 73°F
Wind Speed/Direction: SW @ 10-15 kn
Barometric Pressure: 30.08 ↓

BEGIN TOW

Time: 1406
Depth: 44.6
Speed Mid-Tow: 2.5 knots
Latitude: 28° 24. 151
Longitude: 96° 18. 118
Loran:
Station/Buoys: 3 + 4

END TOW

Time: 1446
Depth: 40.1 ft
Total Tow Distance: ft
Latitude: 28.23.891
Longitude: 96.17.696
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

23 CANNONBALL JELLIES
3 SPINY BOX FISH
1 Black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 176

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1447 to 1527
Shift#: 176
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 57°F
Wave Height: 5-8 ft (STRONG)
Air Temperature: 73°F
Wind Speed/Direction: SW @ 10-15 KN.
Barometric Pressure: 30.16 ↑

BEGIN TOW

Time: 1447
Depth: 41.2
Speed Mid-Tow: knots
Latitude: 28° 23.888
Longitude: 96° 17.835
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1527
Depth: 35.7 ft
Total Tow Distance: ft
Latitude: 28° 24.133
Longitude: 96° 18.012
Loran:
Station/Buoys: 3+4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLACK drum
16 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 177

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1540 to 1620
Shift#: 177
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 57°F
Wave Height: 5-8 FT
Air Temperature: 73°F
Wind Speed/Direction: SW @ 10-15 kn.
Barometric Pressure: 29.92↓

BEGIN TOW

Time: 1540
Depth: 39.6
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23.824
Longitude: 96°. 17 735
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1620
Depth: 44.8 ft
Total Tow Distance: ft
Latitude: 28° 24 315
Longitude: 96° 18 263
Loran:
Station/Buoys: 3 & 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 CLEAR NOSED SKATE
17 CANNONBALL JELLIES
3 BLUE CRABS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 178

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1630 to 1710
Shift#: 178
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: ✓ Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 5-8 FT.
Air Temperature: 73°F
Wind Speed/Direction: SW @ 10-15 KN.
Barometric Pressure: 29.92 ↔

BEGIN TOW

Time: 1630
Depth: 41.7
Speed Mid-Tow: 2.8 knots
Latitude: 28° 20' 094
Longitude: 96° 18.050
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1710
Depth: 36.7 ft
Total Tow Distance: ft
Latitude: 28°.23.630
Longitude: 96°.17.646
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

13 CANNONBALL JELLIES
2 HARDHEAD CATFISH
1 SM. COW NOSED RAY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 179

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1720 to 1800
Shift#: 179
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 5-6 FT
Air Temperature: 72°F
Wind Speed/Direction: SW @ 5-15 KN.
Barometric Pressure: 29.94 ↑

BEGIN TOW

Time: 1720
Depth: 42.1
Speed Mid-Tow: 2.9 knots
Latitude: 28°.24.125
Longitude: 96° 17 .991
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1800
Depth: 36.2 ft
Total Tow Distance: ft
Latitude: 28° 23.956
Longitude: 96° 17.760
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 - cannonballs

2 - S. stingrays

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 180

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1802 to 1842
Shift#: 180
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 1-3 ft.
Air Temperature: 70°F
Wind Speed/Direction: NE 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 1802
Depth: 41.8
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24 057
Longitude: 96° 18.001
Loran:
Station/Buoys:

END TOW

Time: 1842
Depth: 34.5 ft
Total Tow Distance: ft
Latitude: 28° 24 005
Longitude: 96° 18.093
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~30 cannonballs
1 b drum
1. S. stingry.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 181

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1903 to 1943
Shift#: 181
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 1-3 ft.
Air Temperature: 65°-70°F
Wind Speed/Direction: NW @ 5 Kts
Barometric Pressure:

BEGIN TOW

Time: 1903
Depth: 44.1
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24 121
Longitude: 96° 18 042
Loran:
Station/Buoys:

END TOW

Time: 1943
Depth: 41.3 ft
Total Tow Distance: ft
Latitude: 28° 23 933
Longitude: 96° 17 875
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - S. stingray

~15 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 182

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 1950 to 2030
Shift#: 182
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 1-2ft.
Air Temperature: 55°-60°F
Wind Speed/Direction: NW @ 5kts
Barometric Pressure:

BEGIN TOW

Time: 1950
Depth: 40.8
Speed Mid-Tow: knots
Latitude: 28° 24 226
Longitude: 96° 18 162
Loran:
Station/Buoys:

END TOW

Time: 2030
Depth: 36.8 ft
Total Tow Distance: ft
Latitude: 28° 24 226
Longitude: 96° 18 018
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- Port net hung up. 20:03
- Tore up net.

1 - H. CAT 2 - bc crabs
1 - S Stingry
3 - Cannelles

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 183

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 25 JAN 04
Time: 2022 to 2108
Shift#: 183
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 ft
Air Temperature: 55°-60°F
Wind Speed/Direction:
Barometric Pressure:

BEGIN TOW

Time: 2028
Depth: 42.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 24 213
Longitude: 96° 18 168
Loran:
Station/Buoys:

END TOW

Time: 2108
Depth: 32.5 ft
Total Tow Distance: ft
Latitude: 28° 24 009
Longitude: 96° 17 902
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~70 cannonballs.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 184

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 2117 to 2157
Shift#: 184
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2ft.
Air Temperature: 60°F
Wind Speed/Direction:
Barometric Pressure:

BEGIN TOW

Time: 21:17
Depth: 42.9
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 882
Longitude: 96° 17 834
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2157
Depth: 30.2 ft
Total Tow Distance: ft
Latitude: 28° 24 189
Longitude: 96° 17 985
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

6 - cannonballs
3 - Moonsellies

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 185

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 2207 to 2247
Shift#: 185
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1425
High Tide Time: 2314
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 ft. swells. (CALM)
Air Temperature: 55-60°F
Wind Speed/Direction:
Barometric Pressure:

BEGIN TOW

Time: 2207
Depth: 42.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 928
Longitude: 96° 17 278
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2247
Depth: 43.7 ft
Total Tow Distance: ft
Latitude: 28° 24 179
Longitude: 96° 18 167
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 186

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 25 JAN 04
Time: 2300 to 2340
Shift#: 186
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation to
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2314
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2ft swell.
Air Temperature: 60°F
Wind Speed/Direction:
Barometric Pressure:

BEGIN TOW

Time: 2300
Depth: 40.1
Speed Mid-Tow: 3.2 knots
Latitude: 28° 23 847
Longitude: 96° 17 815
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2340
Depth: 42.3 ft
Total Tow Distance: ft
Latitude: 28° 24 100
Longitude: 96° 18 053
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 187

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 25 JAN 04
Time: 2347 to 0027
Shift#: 187
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0245 pm
High Tide Time: 2314 0630am 1013 pm
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments: 1.45 ON HAZEN (from DREDGE)

Water Temp. 55°F
Wave Height: 1-2 ft swells
Air Temperature: 55°-60°F
Wind Speed/Direction: 5-10 kn/SW
Barometric Pressure: 29.96↑
HUMIDITY @ 83%

BEGIN TOW

Time: 2347
Depth: 43.6
Speed Mid-Tow: 3.0 knots
Latitude: 26° 23 877
Longitude: 98° 17 913
Loran:
Station/Buoys: Mid. - WAY BETWEEN

END TOW

Time: 0027
Depth: 32.7 ft
Total Tow Distance: ft
Latitude: 26° 23.936
Longitude: 98° 17. 780
Loran:
Station/Buoys: 1-2

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 FEMALE BLUE CRAB
1 SPINY BOX FISH
16 CANNONBALL JELLIES

* 0040 HRS — PORT SIDE NET RIPPED, picked up SOMEONE ELSE'S discarded TRAWL NET midway into this LOAD & HUNG UP ON BOTTOM. MUST REPAIR OR REPLACE.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 188

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew: RANDY, MIKE, DAVE / ERIK ROLLA, JEN SUMWALT (REMSA)

Date: 26 JAN 04
Time: 0130 to 0210
Shift#: 188
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments: HAZEN ON DREDGE @ 1.45 @ 0037 HRS

Water Temp. 55°F
Wave Height: 1 - 2 ft
Air Temperature: 58°F
Wind Speed/Direction: 5 - 10 kn
Barometric Pressure: 29.96 ↔

BEGIN TOW

Time: 0130
Depth: 44.6
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23.927
Longitude: 96° 17.901
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0210
Depth: 30.6 ft
Total Tow Distance: ft
Latitude: 28° 24.188
Longitude: 96° 17.945
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

DOWN-TIME FROM 0040 HRS UNTIL 0121 HRS. FOR NET REPAIR

30 CANNONBALL JELLIES
1 SOUTHERN STING RAY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 189

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 0220 to 0300
Shift#: 189
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 | 2213
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 ft
Air Temperature: 61°F
Wind Speed/Direction: SW @ 5-10 kn
Barometric Pressure: 29.96 ↔

BEGIN TOW

Time: 0220
Depth: 39.4
Speed Mid-Tow: 2.9 knots
Latitude: 28° . 29 . 902
Longitude: 96° . 17 . 830
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0300
Depth: 29.3 ft
Total Tow Distance: ft
Latitude: 28° . 24 . 207
Longitude: 96° . 17 . 971
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

57 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 190

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: to
Shift#: 190
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 FT.
Air Temperature: 61°F
Wind Speed/Direction: SW @ 5-10 KN.
Barometric Pressure: 29.96 ↔

BEGIN TOW

Time: 0313
Depth: 41.2
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24. 216
Longitude: 96° 18. 151
Loran:
Station/Buoys: 3+4

END TOW

Time: 0353
Depth: 38.7 ft
Total Tow Distance: ft
Latitude: 28° 24. 098
Longitude: 96° 18 .124
Loran:
Station/Buoys: 3+4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

75 CANNONBALL JELLIES
1 HARDHEAD CATFISH
5 LG. BLUE CRABS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 191

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HALEY
Crew:

Date: 26 JAN 04
Time: 0405 to 0445
Shift#: 191
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 1-3 FT.
Air Temperature: 60°F
Wind Speed/Direction: SSW @ 5-10 KN.
Barometric Pressure: 29.97↑

BEGIN TOW

Time: 0405
Depth: 43.5
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.961
Longitude: 96° 17.911
Loran:
Station/Buoys: 1+2

END TOW

Time: 0445
Depth: 41.5 ft
Total Tow Distance: ft
Latitude: 28° 24 016
Longitude: 96° 17 954
Loran:
Station/Buoys: BETWEEN (1)(2) + (3)(4)

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 LG. BLACK DRUM (40+/- LBS.)
1 COW NOSED RAY
46 CANNONBALL JELLIES
3 MOON JELLIES
1 BLUE CRAB

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 192

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 0452 to 0532
Shift#: 192
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 ft
Air Temperature: 60°F
Wind Speed/Direction: W @ 10-15 kn
Barometric Pressure: 29.97 ↔

BEGIN TOW

Time: 0452
Depth: 38.5
Speed Mid-Tow: 3.0 knots
Latitude: 28° 24 .092
Longitude: 96° 18 .042
Loran:
Station/Buoys: 3+4

END TOW

Time: 0532
Depth: 33.7 ft
Total Tow Distance: ft
Latitude: 28° 24.084
Longitude: 96° 18 .179
Loran:
Station/Buoys: 3+4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

37 CANNONBALLS
2 SOUTHERN RAYS
1 BROWN SHRIMP

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 193

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 0545 to 0625
Shift#: 193
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood: X TOWARD SLACK
Slack Ebb: Slack Flood X
Comments:

Water Temp. 55°F
Wave Height: 1-3 FT W/OCCASIONAL 4' SWELL
Air Temperature: 60°F
Wind Speed/Direction: W @ 5-10 KN.
Barometric Pressure: 29.97 ↔

BEGIN TOW

Time: 0545
Depth:
Speed Mid-Tow: knots
Latitude: 28° —
Longitude: 96° —
Loran:
Station/Buoys:

END TOW

Time: 0625
Depth: 41.5 ft
Total Tow Distance: ft
Latitude: 28° 24 067
Longitude: 96° 18 011
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~30 Cannonballs
1 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 194

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 0706 to 0746
Shift#: 194
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments:

Water Temp. 55°F
Wave Height: CALM (2-4ft ground swell)
Air Temperature: 60°F
Wind Speed/Direction: SW @ 5 kts
Barometric Pressure:

BEGIN TOW

Time: 0706
Depth: 43.1
Speed Mid-Tow: 20 knots
Latitude: 28° 24 163
Longitude: 86° 18 138
Loran:
Station/Buoys: 3 & 4

END TOW

Time: 0746
Depth: 30.6 ft
Total Tow Distance: ft
Latitude: 28° 24 136
Longitude: 86° 17 848
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~40 cannonballs
1 -b drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 195

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 26 JAN 04
Time: 0756 to 0836
Shift#: 195
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 0630 / 2213
Ebb: Flood:
Slack Ebb: Slack Flood x
Comments:

Water Temp. 55°F
Wave Height: CALM (1-2 ft swells)
Air Temperature: 60°F
Wind Speed/Direction: S @ 5 Kts
Barometric Pressure:

BEGIN TOW

Time: 0756
Depth: 40.9
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24 082
Longitude: 96° 18 041
Loran:
Station/Buoys:

END TOW

Time: 0836
Depth: 41.8 ft
Total Tow Distance: ft
Latitude: 28° 24 018
Longitude: 96° 17 987
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

20 - cannonballs
5 - Moon Jellies
1 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 196

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 0845 to 0925
Shift#: 196
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: CALM 1-2ft swells
Air Temperature: 60°F
Wind Speed/Direction: SW @ 5kts
Barometric Pressure:

BEGIN TOW

Time: 08:45
Depth: 44
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24 233
Longitude: 96° 18 177
Loran:
Station/Buoys:

END TOW

Time: 0925
Depth: 40.7 ft
Total Tow Distance: ft
Latitude: 28° 24 248
Longitude: 96° 18 214
Loran:
Station/Buoys: 3 & 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

30 - cannonballs

1 - black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 197

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 1705 to 1745
Shift#: 197
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 FT
Air Temperature: 75°F
Wind Speed/Direction: SW 5-10 KN
Barometric Pressure: 30.01 ↑↓

BEGIN TOW

Time: 1705
Depth: 39.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° . 23 . 778
Longitude: 96° . 17 . 764
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1745
Depth: 43.6 ft
Total Tow Distance: ft
Latitude: 28° 24 . 169
Longitude: 96° 18 . 122
Loran:
Station/Buoys: 3 + 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLACK drum
1 mantis shrimp (SEA LICE)
73 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 198

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 1750 to 1830
Shift#: 198
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 FT
Air Temperature: 73°F
Wind Speed/Direction: SW@5-10kn
Barometric Pressure: 30.01 ↔

BEGIN TOW

Time: 1755
Depth: 38.7
Speed Mid-Tow: 2.8 knots
Latitude: 28° . 23.808
Longitude: 96° . 17.747
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1835
Depth: 42.7 ft
Total Tow Distance: ft
Latitude: 28° 23 920
Longitude: 96° 17 867
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~40 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 199

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 1846 to 1926
Shift#: 199
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 ft whitecaps
Air Temperature: 65-70°F
Wind Speed/Direction: NE @ 20-25 Kts
Barometric Pressure: 30.02

BEGIN TOW

Time: 1846
Depth: 40.6
Speed Mid-Tow: knots
Latitude: 28° 23 900
Longitude: 96° 17 803
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1926
Depth: 42.9 ft
Total Tow Distance: ft
Latitude: 28° 24 086
Longitude: 96° 18 047
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~50 cannonballs

1 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 200

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 1931 to 2011
Shift#: 200
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2ft whitecaps
Air Temperature: 65°F
Wind Speed/Direction: NE @ 25-30kts
Barometric Pressure:

BEGIN TOW

Time: 1931
Depth: 39.2
Speed Mid-Tow: 2.8 knots
Latitude: 26° 23 288
Longitude: 98° 17 817
Loran:
Station/Buoys:

END TOW

Time: 2011
Depth: 32.8 ft
Total Tow Distance: ft
Latitude: 26° 23 859
Longitude: 98° 17 709
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: 0

Logger:
Kemp:
Green:
Other:

Starboard Net: 0

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~100 Cannonballs
1 - B. drum
1 - S. stingrg

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 201

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 2022 to 2102
Shift#: 201
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1445
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2ft whitecaps
Air Temperature: 60°s
Wind Speed/Direction: NE @ 25-30kts
Barometric Pressure:

BEGIN TOW

Time: 2022
Depth: 39.8
Speed Mid-Tow: 2.9 knots
Latitude: 26° 23 847
Longitude: 98° 17 807
Loran:
Station/Buoys:

END TOW

Time: 2102
Depth: 31.3 ft
Total Tow Distance: ft
Latitude: 26° 24 071
Longitude: 98° 17 850
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

40 Cannonballs

1 - bc crab

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 202

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 26 JAN 04
Time: 2108 to 2132
Shift#: 202
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0356
High Tide Time: 2213
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 ft whitecaps
Air Temperature: 60°F
Wind Speed/Direction: NE @ 30-35 Kts
Barometric Pressure:

BEGIN TOW

Time: 2108
Depth: 40.1
Speed Mid-Tow: 2.6 knots
Latitude: 28° 23 888
Longitude: 96° 17 829
Loran:
Station/Buoys:

END TOW

Time: 2132
Depth: 42.1 ft
Total Tow Distance: ft
Latitude: 28° 24 439
Longitude: 96° 18 440
Loran:
Station/Buoys: 3 & 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- 30 Cannonballs

- wind gusts up to 40-45 Knots
- Anchored out at channel at dumpsite

12145 1

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 203

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 0509 to 0549
Shift#: 203
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0356
High Tide Time: 0909 pm
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 whitecaps
Air Temperature: 55°-60°F
Wind Speed/Direction: NE @ 20-25 Kts
Barometric Pressure:

BEGIN TOW

Time: 0509
Depth: 40.1
Speed Mid-Tow: 2.7 knots
Latitude: 28° 24 034
Longitude: 96° 17 990
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 0549
Depth: 30.4 ft
Total Tow Distance: ft
Latitude: 28° 23 082
Longitude: 96° 17 752
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- weighed anchor 0445

~20 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 204

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 0601 to 0641
Shift#: 204
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0356
High Tide Time:
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°
Wave Height: 1-2ft whitecaps
Air Temperature: 50°-60°F
Wind Speed/Direction: NE @ 15 Kts
Barometric Pressure:

BEGIN TOW

Time: 0601
Depth: 41.7
Speed Mid-Tow: 2.1 knots
Latitude: 28° 23 844
Longitude: 96° 17 709
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 0641
Depth: 30.5 ft
Total Tow Distance: ft
Latitude: 28° 24 660
Longitude: 96° 18 061
Loran:
Station/Buoys: 3 & 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~ 25 cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 205

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 0656 to 0736
Shift#: 205
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0356
High Tide Time:
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3ft.
Air Temperature: 50°F
Wind Speed/Direction: NE @ 15-20kts.
Barometric Pressure:

BEGIN TOW

Time: 0656
Depth: 42
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 887
Longitude: 96° 17 865
Loran:
Station/Buoys: Mid.

END TOW

Time: 0736
Depth: 34.3 ft
Total Tow Distance: ft
Latitude: 28° 23 992
Longitude: 96° 17 685
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~30 Cannonballs

1 – Redfish

1 – Black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 206

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 0748 to 0828
Shift#: 206
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0356/
High Tide Time:
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 ft
Air Temperature: 45-50°F
Wind Speed/Direction: NE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 0748
Depth: 39
Speed Mid-Tow: 2.6 knots
Latitude: 28° 23 946
Longitude: 96° 17 942
Loran:
Station/Buoys:

END TOW

Time: 0828
Depth: 33.2 ft
Total Tow Distance: ft
Latitude: 28° 23 885
Longitude: 96° 17 988
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 black drum
1 - Cownose ray
10 - Jelly cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 207

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 0912 to 0952
Shift#: 207
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1857 / 0504
High Tide Time: 0908 / 2020
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft whitecaps
Air Temperature: 50°F
Wind Speed/Direction: NE @ 10-15 KTS
Barometric Pressure:

BEGIN TOW

Time: 0912
Depth: 43.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 842
Longitude: 96° 17 789
Loran:
Station/Buoys: Mid.

END TOW

Time: 0952
Depth: 34.7 ft
Total Tow Distance: ft
Latitude: 28° 23 901
Longitude: 96° 17 713
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~10 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 208

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1000 to 1040
Shift#: 208
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1457 / 0504 1/28/04
High Tide Time: 0908 / 2120
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments:

Water Temp. 54°F
Wave Height: 1-3 ft whitecaps
Air Temperature: 50°F
Wind Speed/Direction: NE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 1000
Depth: 34.1
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24 022
Longitude: 96° 18 080
Loran:
Station/Buoys: Mid.

END TOW

Time: 1040
Depth: 30.2 ft
Total Tow Distance: ft
Latitude: 28° 24 127
Longitude: 96° 17 926
Loran:
Station/Buoys: 3 & 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - burrfish

10 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 209

SEA TURTLE TRAWLING REPORT

Channel: Matagorda Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 27 JAN 04
Time: 1047 to 1127
Shift#: 209
Dredge Location: Channel
Total Tow Time: _____ min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1457 / 0504 1/28/04
High Tide Time: 0909 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft whitecaps
Air Temperature: 60°F
Wind Speed/Direction: NE @ 15 Kts
Barometric Pressure:

BEGIN TOW

Time: 1047
Depth: 40.9
Speed Mid-Tow: _____ knots
Latitude: 28° 23 870
Longitude: 96° 17 842
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1127
Depth: 35.7 ft
Total Tow Distance: _____ ft
Latitude: 28° 23 . 760
Longitude: 96° 17. 661
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

23 CANNONBALL JELLIES
1 SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 210

SEA TURTLE TRAWLING REPORT

Channel: Matagorda Vessel: Miss Anna Captain: Dan Hardy
Crew:

Date: 27 JAN 04
Time: 1152 to 1232
Shift#: 210
Dredge Location: Channel
Total Tow Time: _____ min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1457 / 0504
High Tide Time: 0909 / 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 FT w/ caps
Air Temperature: 50°F
Wind Speed/Direction: NW @ 10-15 kn.
Barometric Pressure: 30.44 ↑

BEGIN TOW

Time: 1152
Depth: 41.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 863
Longitude: 96° 17 809
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1232
Depth: 37.4 ft
Total Tow Distance: ft
Latitude: 28° 23. 829
Longitude: 96° 17. 841
Loran:
Station/Buoys: MIDWAY ①/② + ③/④

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLUNTNOSE RAY
2 MANTIS SHRIMP
42 CANNONBALL RAYS
1 WHELK SHELL

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 211

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1240 to 1320
Shift#: 211
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 0909 / 2120
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 FT w/ CAPS + occ. 4's
Air Temperature: 51°F
Wind Speed/Direction: 15-25 kn (NNW)
Barometric Pressure: ~~[illegible]~~ 30.44↑

BEGIN TOW

Time: 1240
Depth: 38.1
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23.787
Longitude: 96° 17.759
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1320
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23.793
Longitude: 96° 17.757
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

5 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 212

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1325 to 1405
Shift#: 212
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55 °F
Wave Height: 1-3 FT W/CAPS + OCCASIONAL 4'S
Air Temperature: 52° F
Wind Speed/Direction: NNW @ 15-25 KN.
Barometric Pressure: 30.46 ↑

BEGIN TOW

Time: 1325
Depth: 39.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 877
Longitude: 96° 17. 891
Loran:
Station/Buoys: 1+2

END TOW

Time: 1405
Depth: 40.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 953
Longitude: 96° 17. 891
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

21 CANNONBALL JELLIES
1 SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 213

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain: DAL Hardy
Crew:

Date: 27 JAN 04
Time: 1408 to 1448
Shift#: 213
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation: x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 55 °F
Wave Height: 1-3 FT. WHITECAPS
Air Temperature: 52° F
Wind Speed/Direction: NNW @ 15 - 25 kn.
Barometric Pressure: 30.46 ↑↓

BEGIN TOW

Time: 1408
Depth: 39.3
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.794
Longitude: 96° 17.766
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1448
Depth: 43.7 ft
Total Tow Distance: ft
Latitude: 28° 23 917
Longitude: 96° 17 856
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

6 CANNONBALL JELLIES
1 GAFFTOPSAIL CAT
1 SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 214

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 27 JAN 04
Time: 1453 to 1533
Shift#: 214
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 FT
Air Temperature: 52°F
Wind Speed/Direction: N @ 15-25 KN.
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 1453
Depth: 40.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.971
Longitude: 96° 17.864
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1533
Depth: 38.5 ft
Total Tow Distance: ft
Latitude: 28° 23.868
Longitude: 96° 17.682
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

7 CANNONBALL JELLIES
1 SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 215

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1535 to 1615
Shift#: 215
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 55 °F
Wave Height: 1-3 FT. (WHITECAPS)
Air Temperature: 52 °F
Wind Speed/Direction: N @ 15-20 kn
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 1535
Depth: 40.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.883
Longitude: 96° 17.825
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1615
Depth: 39.1 ft
Total Tow Distance: ft
Latitude: 28° 23.805
Longitude: 96° 17.699
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

37 CANNONBALL JELLIES

1 ATL. ROCK CRAB

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 216

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1620 to 1700
Shift#: 216
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 55° F
Wave Height: 1-3 FT.
Air Temperature: 52° F
Wind Speed/Direction: NE 15-20 kn.
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 1620
Depth: 42.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 897
Longitude: 96° 17. 839
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1700
Depth: 38.2 ft
Total Tow Distance: ft
Latitude: 28° 23.899
Longitude: 96° 17.863
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

22 CANNONBALL JELLIES
1 WHITE SHRIMP
1 MANTIS SHRIMP

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 217

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1705 to 1745
Shift#: 217
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-3 FT.
Air Temperature: 53°F
Wind Speed/Direction: NW @ 10-20 KN.
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 1705
Depth: 40.7
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23.840
Longitude: 96° 17.816
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1745
Depth: 40.4 ft
Total Tow Distance: ft
Latitude: 28° 23 811
Longitude: 96° 17 757
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- 8 Cannonballs
- 2 moonjelly
- 1 tunicate

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 218

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1750 to 1830
Shift#: 218
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 0-1 ft
Air Temperature: 53°F
Wind Speed/Direction: NW @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 1750
Depth: 42.1
Speed Mid-Tow: 3.1 knots
Latitude: 28°28 914
Longitude: 96° 17 886
Loran:
Station/Buoys: Mid.

END TOW

Time: 1830
Depth: 40.8 ft
Total Tow Distance: ft
Latitude: 28° 23 865
Longitude: 96° 17 772
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

25 - cannonballs
2 - moonsellies

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 219

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 27 JAN 04
Time: 1835 to 1915
Shift#: 219
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 0-1
Air Temperature: 50°F
Wind Speed/Direction: NW @ 5-10 kts
Barometric Pressure: -

BEGIN TOW

Time: 1835
Depth: 42.6
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 923
Longitude: 96° 17 886
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1915
Depth: 36.2 ft
Total Tow Distance: ft
Latitude: 28° 23 936
Longitude: 96° 17 848
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1-S. stingray

25- cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 220

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 1923 to 2003
Shift#: 220
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 ft.
Air Temperature: 50°F
Wind Speed/Direction: NW @ 5-10 KTS
Barometric Pressure:

BEGIN TOW

Time: 1923
Depth: 41.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 967
Longitude: 96° 17 935
Loran:
Station/Buoys:

END TOW

Time: 2003
Depth: 39 ft
Total Tow Distance: ft
Latitude: 28° 24 080
Longitude: 96° 18 004
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~ 30 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 221

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 2013 to 2053
Shift#: 221
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2ft.
Air Temperature: 50°F
Wind Speed/Direction: NW @ 5-10kts
Barometric Pressure:

BEGIN TOW

Time: 2013
Depth: 43.8
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 864
Longitude: 96° 17 811
Loran:
Station/Buoys:

END TOW

Time: 2053
Depth: 30.7 ft
Total Tow Distance: ft
Latitude: 28° 23 960
Longitude: 96° 18 080
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1-b.drum

~20 cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 222

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 27 JAN 04
Time: 2101 to 2141
Shift#: 222
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2ft
Air Temperature: 50°F
Wind Speed/Direction: NW 5-10kts
Barometric Pressure:

BEGIN TOW

Time: 2101
Depth: 40.7
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 916
Longitude: 96° 17 862
Loran:
Station/Buoys: Mid.

END TOW

Time: 2141
Depth: 32.6 ft
Total Tow Distance: ft
Latitude: 28° 23 949
Longitude: 96° 17 774
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - Mantis shrimp
2 - Moonsellies
3 - cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 223

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 2203 to 2243
Shift#: 223
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1457
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-1 ft
Air Temperature: 50°F
Wind Speed/Direction: NW @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 2203
Depth: 37.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 843
Longitude: 96° 17 785
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2243
Depth: 41.8 ft
Total Tow Distance: ft
Latitude: 28° 24 067
Longitude: 96° 18 041
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~10 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 224

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 2250 to 2330
Shift#: 224
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-1 ft
Air Temperature: 50°F
Wind Speed/Direction: NW @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 2250
Depth: 40.7
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 959
Longitude: 96° 18 938
Loran:
Station/Buoys: Mid

END TOW

Time: 2330
Depth: 37.2 ft
Total Tow Distance: ft
Latitude: 28° 23 815
Longitude: 96° 17 802
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - mantis shrimp

10 - Cannonballs.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 225

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 27 JAN 04
Time: 2344 to 0024
Shift#: 225
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2120
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-1 ft
Air Temperature: 45-50°F
Wind Speed/Direction: NW @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 2344
Depth: 41.1
Speed Mid-Tow: 2.8 knots
Latitude: 28° 24 291
Longitude: 96°18 267
Loran:
Station/Buoys: 3 & 4

END TOW

Time: 0024
Depth: 33.3 ft
Total Tow Distance: ft
Latitude: 28° 24 126
Longitude: 96°18 231
Loran:
Station/Buoys: 3 & 4

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

50 CANNONBALL JELLIES
1 MOON JELLY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 226

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew: RANDY, DAVE, MIKE (CREW) ERIK ROLLA, JEN SUMWALT (REMSA)

Date: 28 JAN 04
Time: 0030 to 0110
Shift#: 226
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2120/2004
Ebb: Flood:
Slack Ebb: Slack Flood x
Comments:

Water Temp. 55°F
Wave Height: 1-3 ft.
Air Temperature: 49°F
Wind Speed/Direction: NW @ 10-20 kn.
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 0030
Depth: 42.9
Speed Mid-Tow: knots
Latitude: 28° 23.819
Longitude: 96° 17.802
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0110
Depth: 34.6 ft
Total Tow Distance: ft
Latitude: 28° 23.867
Longitude: 96° 18.010
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

18 CANNONBALL JELLIES
1 ATLANTIC CUTLASSFISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 227

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0020 to 0200
Shift#: 227
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55° F
Wave Height: 0 - 2 FT.
Air Temperature: 49° F
Wind Speed/Direction: N @ 10 - 15 KN.
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 0020
Depth: 40.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 840
Longitude: 96° 17. 781
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0200
Depth: 34.3 ft
Total Tow Distance: ft
Latitude: 28 . 23.941
Longitude: 96 . 17. 694
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

27 CANNONBALL JELLIES
1 SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 228

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0207 to 0247
Shift#: 228
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54° F - SURFACE
Wave Height: 0-2 FT
Air Temperature: 49° F
Wind Speed/Direction: NE @ 10-15 kn
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 0207
Depth: 40.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 842
Longitude: 96° 17. 809
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0247
Depth: ft
Total Tow Distance: ft
Latitude: 28° 24.042
Longitude: 96° 17.882
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 SOUTHERN RAY
16 CANNONBALL JELLIES
1 MOON JELLY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 229

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0256 to 0336
Shift#: 229
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54° F
Wave Height: 1-3 FT.
Air Temperature: 48° F
Wind Speed/Direction: NNE @ 10-20 KN.
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 0256
Depth: 43.2
Speed Mid-Tow: knots
Latitude: 28° 24. 241
Longitude: 96° 18. 217
Loran:
Station/Buoys: 1+2

END TOW

Time: 0336
Depth: 36.3 ft
Total Tow Distance: ft
Latitude: 28° 24 .053
Longitude: 96° 18 .144
Loran:
Station/Buoys: 3+4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

8 CANNONBALL JELLIES
2 MOON JELLIES
1 SPINY BOX FISH
1 TUNICATE (CUCUMBER)

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 230

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0342 to 0422
Shift#: 230
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4 FT.
Air Temperature: 48°F
Wind Speed/Direction: NE @ 15-20 kn.
Barometric Pressure: 30.47↑

BEGIN TOW

Time: 0342
Depth: 42.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 24. 035
Longitude: 96° 17. 968
Loran:
Station/Buoys: BETWEEN ①/② + ③/④

END TOW

Time: 0422
Depth: 38.7 ft
Total Tow Distance: ft
Latitude: 28° 23 824
Longitude: 96° 17. 902
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 231

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0427 to 0507
Shift#: 231
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: ✓ Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4 FT
Air Temperature: 47°F
Wind Speed/Direction: NE @ 15-20 KN
Barometric Pressure: 30.47 ↔

BEGIN TOW

Time: 0427
Depth: 43.1
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.915
Longitude: 96° 17.877
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0507
Depth: 34.8 ft
Total Tow Distance: ft
Latitude: 28° 24.166
Longitude: 96° 17.866
Loran:
Station/Buoys: 3 + 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

47 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 232

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0515 to 0555
Shift#: 232
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: X TO Flood:
Slack Ebb: X Slack Flood
Comments: AT BEGINNING OF TOW - STILL EBBING - WENT SLACK @ 0528 AM.

Water Temp. 54° F
Wave Height: 2-4 FT
Air Temperature: 47° F
Wind Speed/Direction: ENE @ 15-20 KN
Barometric Pressure: 30.47 ↔

BEGIN TOW

Time: 0515
Depth: 38.3
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 896
Longitude: 96° 17 817
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0555
Depth: 42.6 ft
Total Tow Distance: ft
Latitude: 28° 24 . 124
Longitude: 96° 18 . 073
Loran:
Station/Buoys: 3 + 4

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

27 CANNONBALL JELLIES
1 SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 233

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 28 JAN 04
Time: 0602 to 0642
Shift#: 233
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4 ft.
Air Temperature: 49°F
Wind Speed/Direction: 9 NNE
Barometric Pressure: 30.46

BEGIN TOW

Time: 0602
Depth: 41.8
Speed Mid-Tow: 2.9 knots
Latitude: 28° 24.238
Longitude: 96° 18.192
Loran:
Station/Buoys: 3+4

END TOW

Time: 0647
Depth: 31.8 ft
Total Tow Distance: ft
Latitude: 28° 24 105
Longitude: 96° 18 291
Loran:
Station/Buoys: 3&4

NUMBER OF TURTLES

Port Net: 0

Logger:
Kemp:
Green:
Other:

Starboard Net: 0

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - Mantis Shrimp
10 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 234

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 28 JAN 04
Time: 0631 to 0731
Shift#: 234
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4 ft
Air Temperature: 50°F
Wind Speed/Direction:
Barometric Pressure:

BEGIN TOW

Time: 0651
Depth: 42.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 919
Longitude: 96° 17 911
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 0731
Depth: 32.9 ft
Total Tow Distance: ft
Latitude: 28° 23 755
Longitude: 96° 17 925
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~10 Cannonballs
1 Moonjelly

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 235

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0737 to 0817
Shift#: 235
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 50°F
Wind Speed/Direction: NW @ 10 kts
Barometric Pressure:

BEGIN TOW

Time: 0737
Depth: 41.8
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 968
Longitude: 96° 17 765
Loran:
Station/Buoys:

END TOW

Time: 0817
Depth: 34.8 ft
Total Tow Distance: ft
Latitude: 28° 23 821
Longitude: 96° 17 881
Loran:
Station/Buoys: 172

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~8 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 236

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 28 JAN 04
Time: 0825 to 0905
Shift#: 236
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft whitecaps
Air Temperature: 55°F
Wind Speed/Direction: NW @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 0825
Depth: 42.3
Speed Mid-Tow: 3.1 knots
Latitude: 28° 24 977
Longitude: 96° 17 949
Loran:
Station/Buoys: Mid.

END TOW

Time: 0905
Depth: 34.6 ft
Total Tow Distance: ft
Latitude: 28° 23 858
Longitude: 96° 17 961
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 - cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 237

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 0912 to 0952
Shift#: 237
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft.
Air Temperature: 55°F
Wind Speed/Direction: NW @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 0912
Depth: 42.8
Speed Mid-Tow: 3.2 knots
Latitude: 28° 23 911
Longitude: 96° 17 851
Loran:
Station/Buoys:

END TOW

Time: 0952
Depth: 34.2 ft
Total Tow Distance: ft
Latitude: 28° 23 990
Longitude: 96° 18 054
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~10 cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 238

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1000 to 1040
Shift#: 238
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2ft whitecaps
Air Temperature: 55°-60°F
Wind Speed/Direction: NE @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 1000
Depth: 34.3
Speed Mid-Tow: knots
Latitude: 28° 23 992
Longitude: 96° 18 135
Loran:
Station/Buoys: Mid.

END TOW

Time: 1040
Depth: 35.1 ft
Total Tow Distance: ft
Latitude: 28° 23 926
Longitude: 96° 17 699
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~ 25 cannonballs
2 - moonsellies

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 239

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1046 to 1126
Shift#: 239
Dredge Location: channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft. white caps
Air Temperature: 60°F
Wind Speed/Direction: NE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 1046
Depth: 42
Speed Mid-Tow: 3.1 knots
Latitude: 28° 24 072
Longitude: 96° 18 005
Loran:
Station/Buoys:

END TOW

Time: 1126
Depth: ft
Total Tow Distance: ft
Latitude: 28° 23 921
Longitude: 96° 17 68
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

20 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 240

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1135 to 1215
Shift#: 240
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3ft
Air Temperature: 60°F
Wind Speed/Direction: NE @ 10kts
Barometric Pressure:

BEGIN TOW

Time: 1135
Depth: 36.8
Speed Mid-Tow: knots
Latitude: 28° 23 760
Longitude: 96° 17 691
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1215
Depth: 27.2 ft
Total Tow Distance: ft
Latitude: 28° 23.278
Longitude: 96° 17.413
Loran:
Station/Buoys: NEW CUT - WAITING ON COORDINATES FOR PLOTTER

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLACK drum
15 CANNONBALL JELLIES
2 MOON JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 241

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1220 to 1300
Shift#: 241
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504 THUR 0604 (L)
High Tide Time: 2004 1854 (H)
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 FT.
Air Temperature: 62°F
Wind Speed/Direction: 20-25 KN. EAST
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 1220
Depth: 39.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23.584
Longitude: 96° 17.527
Loran:
Station/Buoys: NEW CUT - WAITING ON PLOTTER FROM B+B

END TOW

Time: 1300
Depth: 39.7 ft
Total Tow Distance: ft
Latitude: 28° 23.695
Longitude: 96° 17.644
Loran:
Station/Buoys: SEE "BEGIN TOW"

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

17 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 242

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: to
Shift#: 242
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

TH. TIDE (L) 0604
(H) 1854

Low Tide Time: 0504
High Tide Time: 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 FT.
Air Temperature: 62°F
Wind Speed/Direction: 20-25 kn FROM ENE
Barometric Pressure: 30.46 ↔

BEGIN TOW

Time: 1316
Depth: 38.4
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 681
Longitude: 96° 17. 631
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1356
Depth: 33.9 ft
Total Tow Distance: ft
Latitude: 28° 23. 700
Longitude: 96° 17. 786
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

23 CANNONBALL JELLIES
6 MOON JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 243

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 28 JAN 04
Time: 1400 to 1440
Shift#: 243
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504 THUR. @ 0604
High Tide Time: 2004 @ 2004
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT
Air Temperature: 61°F
Wind Speed/Direction: ENE @ 15-20 KN.
Barometric Pressure: 30.38↓

BEGIN TOW

Time: 1400
Depth: 39.5
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 500
Longitude: 96° 17. 423
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1440
Depth: ft
Total Tow Distance: ft
Latitude: 23. 588
Longitude: 17. 523
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 RED DRUM
17 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 244

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1445 to 1525
Shift#: 244
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504 THUR (L) 0604
High Tide Time: 2004 (H) 2004
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT
Air Temperature: 61°F
Wind Speed/Direction: ENE @ 15-20 kn
Barometric Pressure: 30.45 ↔

BEGIN TOW

Time: 1445
Depth: 38.5
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23.803
Longitude: 96° 17.618
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1525
Depth: 39.1 ft
Total Tow Distance: ft
Latitude:
Longitude: 28° 23.828
Loran: 96° 17.828
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

16 CANNONBALL JELLIES
1 BLACK drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 245

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1535 to 1615
Shift#: 245
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504 / THUR. (L) 0604
High Tide Time: 2004 (H) 2004
Ebb: ~~1295~~ Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT
Air Temperature: 61°F
Wind Speed/Direction: ENE @ 15 - 20 KN.
Barometric Pressure: 30.45 ↔

BEGIN TOW

Time: 1535
Depth: 39.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 384
Longitude: 96° 17. 324
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1615
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 294
Longitude: 96° 17. 154
Loran:
Station/Buoys: END OF CUT # 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

27 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 246

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1618 to 1658
Shift#: 246
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504 / THUR (L) 0604
High Tide Time: 2004 / (H) 1854
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 60°F
Wind Speed/Direction: ENE @ 15-20 kn.
Barometric Pressure: 30.45 ←→

BEGIN TOW

Time: 1618
Depth: 39.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.403
Longitude: 96° 17.326
Loran:
Station/Buoys: CUT #2

END TOW

Time: 1658
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28°. 23.490
Longitude: 96°. 17.412
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net:

Starboard Net:

Logger:
Kemp:
Green:
Other:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 247

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1700 to 1740
Shift#: 247
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504 | THUR (L) 0604
High Tide Time: 2004 | TIDE (H) 1854
Ebb: Flood: ✓
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 60°F
Wind Speed/Direction: NE @ 15-20 kn.
Barometric Pressure: 30.45 ↔

BEGIN TOW

Time: 1700
Depth: 39.7
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23. 313
Longitude: 96° 17. 242
Loran:
Station/Buoys: Top of cut #2

END TOW

Time: 1740
Depth: 40.3 ft
Total Tow Distance: ft
Latitude: 28° 23. 176
Longitude: 96° 17. 205
Loran:
Station/Buoys: Top of cut #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

9 CANNONBALL JELLIES
1 SOUTHERN RAY
1 Black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 248

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1745 to 1825
Shift#: 248
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

		THURSDAY
Low Tide Time:	0504	0604
High Tide Time:	2004	1854

Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53 °F
Wave Height: 2-4 FT w/ some 5's
Air Temperature: 58 °F
Wind Speed/Direction: NE @ 20-25 kn
Barometric Pressure: 30.45 ↔

BEGIN TOW

Time: 1745
Depth: 38.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.520
Longitude: 96° 17.475
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1825
Depth: 40.1 ft
Total Tow Distance: ft
Latitude: 28° 23.519
Longitude: 96° 17.361
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 249

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1829 to 1909
Shift#: 249
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0504 / 1-29-04 0604
High Tide Time: 2064 / 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 ft.
Air Temperature: 55°-58°F
Wind Speed/Direction: NE @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 1829
Depth: 41.2
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 532
Longitude: 96° 17 426
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1909
Depth: 40.9 ft
Total Tow Distance: ft
Latitude: 28° 23 463
Longitude: 96° 17 423
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 cownose ray
4-cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 250

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 28 JAN 04
Time: 1915 to 1955
Shift#: 250
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0504 / 1-29-04 0604
High Tide Time: 2004 / 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4 ft.
Air Temperature: 55°F
Wind Speed/Direction: NW @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 1915
Depth: 40.2
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 426
Longitude: 96° 17 323
Loran:
Station/Buoys:

END TOW

Time: 1955
Depth: 41.7 ft
Total Tow Distance: ft
Latitude: 28° 23 323
Longitude: 96° 17 237
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 251

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 1959 to 2039
Shift#: 251
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1-29-04 0604
High Tide Time: 2004 / 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4ft.
Air Temperature: 50°-55°F
Wind Speed/Direction: NE @ 10-15kts
Barometric Pressure:

BEGIN TOW

Time: 1955
Depth: 42
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 174
Longitude: 96° 17 275
Loran:
Station/Buoys:

END TOW

Time: 2039
Depth: 40.1 ft
Total Tow Distance: ft
Latitude: 28° 23 330
Longitude: 96° 17 243
Loran:
Station/Buoys: Sea buoy

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

5 - cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 252

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 2044 to 2124
Shift#: 252
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0604
High Tide Time: 2004 / 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4ft swells.
Air Temperature: 50-55°F
Wind Speed/Direction: NE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 20:44
Depth: 40.7
Speed Mid-Tow: knots
Latitude: 28° 23 256
Longitude: 96° 17 277
Loran:
Station/Buoys: Sea buoy

END TOW

Time: 2124
Depth: 40.4 ft
Total Tow Distance: ft
Latitude: 28° 23 238
Longitude: 96° 17 163
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - b. drum
6 - cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 253

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 2130 to 2210
Shift#: 253
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: / 0604
High Tide Time: 2004 / 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4ft swells
Air Temperature: 55°F
Wind Speed/Direction: NE @ 10-15Kts
Barometric Pressure:

BEGIN TOW

Time: 2130
Depth: 40.1
Speed Mid-Tow: knots
Latitude: 28°23 219
Longitude: 96°17 240
Loran:
Station/Buoys:

END TOW

Time: 2210
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28°23 290
Longitude: 96°17 221
Loran:
Station/Buoys: Sea buoy

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 254

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 2216 to 2256
Shift#: 254
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

1-29-04
Low Tide Time: 0604
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4ft.
Air Temperature: 55°F
Wind Speed/Direction: NE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 2216
Depth: 38.9
Speed Mid-Tow: knots
Latitude: 28° 23 388
Longitude: 96° 17 323
Loran:
Station/Buoys: Mid.

END TOW

Time: 2256
Depth: 39.6 ft
Total Tow Distance: ft
Latitude: 28° 23 179
Longitude: 96° 17 354
Loran:
Station/Buoys: Seabuoy

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 255

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 2304 to 2344
Shift#: 255
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0604
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4ft Swells
Air Temperature: 50°-55°F
Wind Speed/Direction: NE @ 20kts
Barometric Pressure:

BEGIN TOW

Time: 2304
Depth: 39
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 405
Longitude: 96° 17 340
Loran:
Station/Buoys:

END TOW

Time: 2344
Depth: 40.4 ft
Total Tow Distance: ft
Latitude: 28° 22 989
Longitude: 96° 17 368
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - 5 drums

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 256

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 28 JAN 04
Time: 2342 to 0022
Shift#: 256
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0604
High Tide Time: 1854
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-5 FT.
Air Temperature: 52° F
Wind Speed/Direction: E @ 15-25 KN
Barometric Pressure: 30.44↓

BEGIN TOW

Time: 2342
Depth: 39.0
Speed Mid-Tow: knots
Latitude: 28° 23. 378
Longitude: 96° 17. 316
Loran:
Station/Buoys: "MB" Sea Buoy

END TOW

Time: 0022
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 137
Longitude: 96° 16 938
Loran:
Station/Buoys: MB SEA BUOY

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 257

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 29 JAN 04
Time: 1825 to 1905
Shift#: 257
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0604
High Tide Time: 1854
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: Calm 1-2ft swells
Air Temperature: 60°F
Wind Speed/Direction:
Barometric Pressure:

BEGIN TOW

Time: 1825
Depth: 36.5
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 724
Longitude: 96° 17 692
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1905
Depth: 39.9 ft
Total Tow Distance: ft
Latitude: 28° 23 580
Longitude: 96° 17 516
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

DREDGE ATCHAFALAYA CALLED + REPORTED BREAKDOWN @ 0030 HRS STANDING BY @ 0130 HRS. OFFICIALLY ON standby 0955 HRS
-1700-left slip, bound for buoys 1 & 2
1 Spiny Box fish 3 CANADIAN
1 southern RAY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 258

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 29 JAN 04
Time: 1910 to 1950
Shift#: 258
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0604
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: CALM 1-2 ft swells
Air Temperature: 60°F
Wind Speed/Direction: 6 @ 3-5 Kts
Barometric Pressure:

BEGIN TOW

Time: 1910
Depth: 36.8
Speed Mid-Tow: 3.0 knots
Latitude: 23 285
Longitude: 17 240
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1950
Depth: 42.9 ft
Total Tow Distance: ft
Latitude: 28° 23 272
Longitude: 96° 17 196.
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 259

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 29 JAN 04
Time: 2000 to 2040
Shift#: 259
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: CALM 1-2ft swells
Air Temperature: 61°F
Wind Speed/Direction: SE @ 3-5 kts
Barometric Pressure:

BEGIN TOW

Time: 2000
Depth: 40.9
Speed Mid-Tow: 2.9 knots
Latitude: 28°23 475
Longitude: 96°17 390
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2040
Depth: 39.6 ft
Total Tow Distance: ft
Latitude: 28°23 507
Longitude: 96°17 385
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1-b.drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 260

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 29 JAN 04
Time: 2047 to 2127
Shift#: 260
Dredge Location: channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ✓
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: CALM 1-2ft ground swells
Air Temperature: 61°F
Wind Speed/Direction: SE @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 2047
Depth: 40.1
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 371
Longitude: 96° 17 248
Loran:
Station/Buoys: Mid.

END TOW

Time: 2127
Depth: 42.9 ft
Total Tow Distance: ft
Latitude: 28° 23 362
Longitude: 96° 17 285
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - cannonballs

1 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 261

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 29 JAN 04
Time: 2139 to 1019
Shift#: 261
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft ground swells
Air Temperature: 61°F
Wind Speed/Direction: SE @ 5-10 Kts
Barometric Pressure:

BEGIN TOW

Time: 2139
Depth: 40.4
Speed Mid-Tow: 30 knots
Latitude: 28° 23 468
Longitude: 96° 17 349
Loran:
Station/Buoys: S.B.

END TOW

Time: 1019
Depth: 40.2 ft
Total Tow Distance: ft
Latitude: 28° 23 539
Longitude: 96° 17 452
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 262

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 29 JAN 04
Time: 2227 to 2307
Shift#: 262
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2ft swell
Air Temperature: 60°F
Wind Speed/Direction: SE @ 10knts
Barometric Pressure:

BEGIN TOW

Time: 2227
Depth: 37.3
Speed Mid-Tow: 2.3 knots
Latitude: 28° 23 734
Longitude: 96° 17 627
Loran:
Station/Buoys:

END TOW

Time: 2307
Depth: 34.3 ft
Total Tow Distance: ft
Latitude: 28° 23 643
Longitude: 96° 17 574
Loran:
Station/Buoys: 12

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

5 - Cannonballs
1 - 5. drum
- Debris

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 263

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 29 JAN 04
Time: 2318 to 2358
Shift#: 263
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1854
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2ft swells
Air Temperature: 61°F
Wind Speed/Direction: SE @ 10kts
Barometric Pressure:

BEGIN TOW

Time: 2318
Depth: 38.4
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 6.20
Longitude: 96° 17 .584
Loran:
Station/Buoys:

END TOW

Time: 2358
Depth: 39.3 ft
Total Tow Distance: ft
Latitude: 28° 23 601
Longitude: 96° 17 511
Loran:
Station/Buoys: 122

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

7 CANNONBALLS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 264

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0006 to 0046
Shift#: 264
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation ×
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ×
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 ft
Air Temperature: 60°F
Wind Speed/Direction: SE @ 10-15 kn.
Barometric Pressure: 30.27 ↓

BEGIN TOW

Time: 0006
Depth: 39.3
Speed Mid-Tow: knots
Latitude: 28°.23.396
Longitude: 96.17.293
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0046
Depth: 37.9 ft
Total Tow Distance: ft
Latitude: 28° 23.656
Longitude: 96° 17.772
Loran:
Station/Buoys: 1 + 2 (NEAR)

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

23 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 265

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0057 to 0137
Shift#: 265
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 FT
Air Temperature: 60°F
Wind Speed/Direction: SE @ 10-15 kn.
Barometric Pressure: 30.25↓

BEGIN TOW

Time: 0057
Depth: 39.4
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.314
Longitude: 96° 17.226
Loran:
Station/Buoys: SEA BUOY MB

END TOW

Time: 0137
Depth: 37.3 ft
Total Tow Distance: ft
Latitude: 28° 23.118
Longitude: 96° 17.358
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

AT 0120 - DREDGE ATCHAFALAYA REPORTED DIFFICULTIES AND WE ARE STAND BY. DREDGING RESUMED @ 0424 HRS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 266

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 30 JAN 04
Time: 0425 to 0505
Shift#: 266
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 FT
Air Temperature: 60°F
Wind Speed/Direction: SE @ 10-15 kn.
Barometric Pressure: 30.25 ↓→

BEGIN TOW

Time: 0425
Depth: 36.4
Speed Mid-Tow: knots
Latitude: 28° 23 .325
Longitude: 96° 17 .246
Loran:
Station/Buoys: SEA BUOY MB

END TOW

Time: 0505
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 288
Longitude: 96° 17. 080
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

21 CANNONBALL JELLIES
1 spiny Box fish

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 267

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0510 to 0550
Shift#: 267
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 FT.
Air Temperature: 60°F
Wind Speed/Direction: SE@ 10-15 kt.
Barometric Pressure: 30.21↓

BEGIN TOW

Time: 0510
Depth: 37.9
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23. 437
Longitude: 96° 17. 361
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0550
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 397
Longitude: 96° 17. 317
Loran:
Station/Buoys: SEA BOOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 268

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0552 to 0632
Shift#: 268
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 ft
Air Temperature: 60°F - FOGGY
Wind Speed/Direction: N @ 10-15 Kt.
Barometric Pressure: 30.25 ↔

BEGIN TOW

Time: 0552
Depth: 41.6
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23. 495
Longitude: 96° 17. 387
Loran:
Station/Buoys: MIDWAY IN CHANNEL

END TOW

Time: 0652
Depth: 39. ft
Total Tow Distance: ft
Latitude: 28° 22 377
Longitude: 96° 17 190
Loran:
Station/Buoys: S.13.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 Cannonballs

2 S. Stingrg

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 269

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0637 to 0717
Shift#: 269
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2ft swells
Air Temperature: 60°F
Wind Speed/Direction: S @ 10-15kts
Barometric Pressure:

BEGIN TOW

Time: 0637
Depth: 39
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 551
Longitude: 96° 17 474
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 0717
Depth: 39.6 ft
Total Tow Distance: ft
Latitude: 28° 23 492
Longitude: 96° 17 425
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 270

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 30 JAN 04
Time: 0723 to 0803
Shift#: 270
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2ft
Air Temperature: 60°F
Wind Speed/Direction: SE @ 10-15kts
Barometric Pressure:

BEGIN TOW

Time: 0723
Depth: 40.2
Speed Mid-Tow: knots
Latitude: 28° 23 589
Longitude: 96° 17 554
Loran:
Station/Buoys:

END TOW

Time: 0803
Depth: 39.5 ft
Total Tow Distance: ft
Latitude: 28° 23 562
Longitude: 96° 17 514
Loran:
Station/Buoys: 122

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 271

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0805 to 0845
Shift#: 271
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Y Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-1 ft.
Air Temperature: 60°F
Wind Speed/Direction: SE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 0805
Depth: 36.4
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 703
Longitude: 96° 17 600
Loran:
Station/Buoys:

END TOW

Time: 0845
Depth: 40.3 ft
Total Tow Distance: ft
Latitude: 28° 23 537
Longitude: 96° 17 483
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

8- Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 272

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0849 to 0929
Shift#: 272
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft.
Air Temperature: 55°-60°F
Wind Speed/Direction: SE @ 20kts
Barometric Pressure:

BEGIN TOW

Time: 0849
Depth: 35.6
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 715
Longitude: 96° 17 626
Loran:
Station/Buoys:

END TOW

Time: 0929
Depth: 40.1 ft
Total Tow Distance: ft
Latitude: 28° 23 717
Longitude: 96° 17 660
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

5 cannonballs

1 - shark (~~species unk.~~)
blacktip

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 273

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 0952 to 1032
Shift#: 273
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 55°-60°F
Wind Speed/Direction: SE @ 20 kts
Barometric Pressure:

BEGIN TOW

Time: 0952
Depth: 36
Speed Mid-Tow: knots
Latitude: 28° 23 768
Longitude: 96° 17 662
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1032
Depth: 34 ft
Total Tow Distance: ft
Latitude: 28° 23 745
Longitude: 96° 17 857
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

4 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 274

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 03
Time: 1037 to 1117
Shift#: 274
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft.
Air Temperature: 55°-60°F
Wind Speed/Direction: SW @ 18 KTS
Barometric Pressure:

BEGIN TOW

Time: 1037
Depth: 40.3
Speed Mid-Tow: knots
Latitude: 28° 23 519
Longitude: 96° 17 450
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 11:17
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23 360
Longitude: 96° 17 315
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

12 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 275

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1134 to 1214
Shift#: 275
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

		SAT.
Low Tide Time:	0701	758
High Tide Time:	1857	1927

Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 50°F
Wind Speed/Direction: NE @ 18 kts
Barometric Pressure: 30.02↓

BEGIN TOW

Time: 1134
Depth: 40.1
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 375
Longitude: 96° 17 325
Loran:
Station/Buoys: MIDWAY BETWEEN

END TOW

Time: 1214
Depth: ft
Total Tow Distance: ft
Latitude: 28° 23. 512
Longitude: 96° 17. 452
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

8 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 276

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1220 to 1300
Shift#: 276
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-3 FT.
Air Temperature: 52° F
Wind Speed/Direction: NE @ 20 - 30 kn.
Barometric Pressure: 30.01 ↓

BEGIN TOW

Time: 1220
Depth: 39.6
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 563
Longitude: 96° 17. 474
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1300
Depth: 38.1 ft
Total Tow Distance: ft
Latitude: 28° 23. 504
Longitude: 96° 17. 418
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

27 CANNONBALL JELLIES
1 BLACK drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 277

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1310 to 1350
Shift#: 277
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 55°F
Wind Speed/Direction: NE @ 20-30 KN.
Barometric Pressure: 30.00↓

BEGIN TOW

Time: 1310
Depth: 37.8
Speed Mid-Tow: knots
Latitude: 28° 23. 633
Longitude: 96° 17. 574
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1350
Depth: 39.9 ft
Total Tow Distance: ft
Latitude: 28° 23. 726
Longitude: 96° 17. 678
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

43 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 278

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1412 to 1452
Shift#: 278
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 54°F
Wind Speed/Direction: NE @ 20-25 kn,
Barometric Pressure: 30.00↓

BEGIN TOW

Time: 1412
Depth: 39.8
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 807
Longitude: 96° 17. 729
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1452
Depth: 35.4 ft
Total Tow Distance: ft
Latitude: 28° 23. 651
Longitude: 96° 17. 798
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLACK drum
47 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 279

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 30 JAN 04
Time: 1500 to 1540
Shift#: 279
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 2-4 ft.
Air Temperature: 54° F
Wind Speed/Direction: NE @ 15 - 20 kn
Barometric Pressure: 29.98↓

BEGIN TOW

Time: 1500
Depth: 39.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 .514
Longitude: 96° 17 .453
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1540
Depth: 40.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 482
Longitude: 96° 17. 421
Loran:
Station/Buoys: NEAR 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 BLACK DRUM
37 CANNONBALL JELLIES
1 JUV. HARDHEAD CATFISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 280

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1547 to 1627
Shift#: 280
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 52°F
Wind Speed/Direction: SE @ 20-25 KN
Barometric Pressure: 29.96↓

BEGIN TOW

Time: 1547
Depth: 40.3
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23'. 617
Longitude: 96° 17. 561
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1627
Depth: 33.4 ft
Total Tow Distance: ft
Latitude: 28° 23. 567
Longitude: 96° 17. 722
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

36 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 281

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: to
Shift#: 281
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

		SAT.
Low Tide Time:	0701	0758 am
High Tide Time:	1857	1927 pm

Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 2-4 ft.
Air Temperature: 52° F
Wind Speed/Direction: SE @15-20 kn
Barometric Pressure: 29.93↓

BEGIN TOW

Time: 1634
Depth: 39.8
Speed Mid-Tow: btn. 2.8 + 3.0 knots
Latitude: 28°. 23. 377
Longitude: 96°. 17. 303
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 1714
Depth: 39.6 ft
Total Tow Distance: ft
Latitude: 28° 23. 503
Longitude: 96° 17. 411
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

32 CANNONBALL JELLIES
1 JUV. HARDHEAD CATFISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 282

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1720 to 1745
Shift#: 282
Dredge Location: CHANNEL
Total Tow Time: 40* min.
ship in CHANNEL - ENDED 15 MIN. EARLY.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: ✓
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 FT.
Air Temperature: 52°F
Wind Speed/Direction: SE @ 20-25 KN.
Barometric Pressure: 29.90 ↑↓

BEGIN TOW

Time: 1720
Depth: 39.4
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 478
Longitude: 96° 17. 407
Loran:
Station/Buoys: NEAR 1 + 2

END TOW

Time: 1745
Depth: 31.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 549
Longitude: 96° 17. 737
Loran:
Station/Buoys: OUTSIDE 1 + 2
ship (TANKER) in CHANNEL

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

41 CANNONBALL JELLIES
1 sm. Spiny Box fish

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 283

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1800 to 1840
Shift#: 283
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0701
High Tide Time: 1857
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 20-25 KN
Barometric Pressure: 29.90 ↑

BEGIN TOW

Time: 1800
Depth: 40.8
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 376
Longitude: 96° 17 319
Loran:
Station/Buoys: SB

END TOW

Time: 1840
Depth: 40.9 ft
Total Tow Distance: ft
Latitude: 28° 23 374
Longitude: 96° 17 180
Loran:
Station/Buoys: SB.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

30 Cannonball
1 S. stingray

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 284

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1851 to 1931
Shift#: 284
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1857
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 20kts
Barometric Pressure:

BEGIN TOW

Time: 1851
Depth: 29.5
Speed Mid-Tow: 3.3 knots
Latitude: 28°23 709
Longitude: 96° 17 631
Loran:
Station/Buoys:

END TOW

Time: 1931
Depth: 32.4 ft
Total Tow Distance: ft
Latitude: 28° 23 552
Longitude: 96°17 702
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~30 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 285

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 1943 to 2023
Shift#: 285
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1857
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 15-20 knts
Barometric Pressure:

BEGIN TOW

Time: 1943
Depth: 40.4
Speed Mid-Tow: 3.2 knots
Latitude: 28° 23 585
Longitude: 96° 17 487
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2023
Depth: 40.2 ft
Total Tow Distance: ft
Latitude: 28° 23 525
Longitude: 96° 17 440
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - butterfish

~30 - cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 286

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 2033 to 2113
Shift#: 286
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 2033
Depth: 38.5
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 424
Longitude: 96° 17 326
Loran:
Station/Buoys: S.B.

END TOW

Time: 2113
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23 311
Longitude: 96° 17 299
Loran:
Station/Buoys: SB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~ 40 conn orbalis

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 287

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 2122 to 2202
Shift#: 287
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 10 kts
Barometric Pressure:

BEGIN TOW

Time: 2122
Depth: 40.1
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 436
Longitude: 96° 17 382
Loran:
Station/Buoys:

END TOW

Time: 2202
Depth: 35.6 ft
Total Tow Distance: ft
Latitude: 28° 23 644
Longitude: 96° 17 422
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - B. drum

~30 cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 288

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 30 JAN 04
Time: 2215 to 2255
Shift#: 288
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1857
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft.
Air Temperature: 50°F
Wind Speed/Direction: S @ 15 kts
Barometric Pressure:

BEGIN TOW

Time: 2215
Depth: 40.1
Speed Mid-Tow: 3.0 knots
Latitude: 28°23 465
Longitude: 96°17 355
Loran:
Station/Buoys:

END TOW

Time: 2255
Depth: 32.5 ft
Total Tow Distance: ft
Latitude: 28°23 496
Longitude: 96°17 497
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~25 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 290

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 30 JAN 04
Time: 2319 to 2359
Shift#: 290
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: SAT 0758
High Tide Time: 1857 / 1927
Ebb: Flood:
Slack Ebb: Slack Flood x
Comments:

Water Temp. 53°F
Wave Height: 1-2ft
Air Temperature: 50°F
Wind Speed/Direction: SE 10 kts
Barometric Pressure:

BEGIN TOW

Time: 2319
Depth: 70
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 766
Longitude: 86° 17 711
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2359
Depth: 32.2 ft
Total Tow Distance: ft
Latitude: 28° 23 567
Longitude: 86° 17 759
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~30 Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 291

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0007 to 0047
Shift#: 291
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0738
High Tide Time: 1857 / 1927
Ebb: Flood:
Slack Ebb: Slack Flood x
Comments:

Water Temp. 53°F
Wave Height: 1-3 FT
Air Temperature: 49°F
Wind Speed/Direction: NE @ 15-20 KN.
Barometric Pressure: 29.90 ←→

BEGIN TOW

Time: 0007
Depth: 38.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 416
Longitude: 96°17 384
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0047
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23 291
Longitude: 96°17 237
Loran:
Station/Buoys: SEA BUOY "MB"

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

38 CANNONBALL JELLIES
1 BLACK DRUM

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 292

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew: RANDY, DAVE, MIKE (CREW) ERIK ROLLA, JEN SUMWALT (REMSA)

Date: 31 JAN 04
Time: 0058 to 0138
Shift#: 292
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 FT.
Air Temperature: 54°F
Wind Speed/Direction: NNE @ 10-15 KN.
Barometric Pressure: 29.97↓

BEGIN TOW

Time: 0058
Depth: 39.7
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23.483
Longitude: 96° 17.398
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0138
Depth: 37.3 ft
Total Tow Distance: ft
Latitude: 28° 23.483
Longitude: 96° 17.352
Loran:
Station/Buoys: MIDWAY IN CUT #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 SILVER EELS (GULF PIPEFISH)
1 SOUTHERN RAY
23 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 293

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0145 to 0225
Shift#: 293
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 1-3 FT.
Air Temperature: 54°F
Wind Speed/Direction: NE @ 10-15 kn
Barometric Pressure: 29.96↓

BEGIN TOW

Time: 0145
Depth: 39.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 527
Longitude: 96° 17. 457
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0225
Depth: 34.4 ft
Total Tow Distance: ft
Latitude: 28° 23. 667
Longitude: 96° 17. 450
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES 6

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

17 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 294

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0232 to 0312
Shift#: 294
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 1-2 Ft
Air Temperature: 54° F
Wind Speed/Direction: NNE @ 10-15 kn
Barometric Pressure: 29.94↓

BEGIN TOW

Time: 0232
Depth: 40.0
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 440
Longitude: 96° 17. 402
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0312
Depth: 34.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 597
Longitude: 96° 17. 434
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

17 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 295

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 31 JAN 04
Time: 0323 to 0403
Shift#: 295
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 54°F
Wind Speed/Direction: NNE @ 10-15 kn.
Barometric Pressure: 29.94 ↔

BEGIN TOW

Time: 0323
Depth: 39.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 649
Longitude: 96° 17. 593
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0403
Depth: 37.3 ft
Total Tow Distance: ft
Latitude: 28° 23. 391
Longitude: 96° 17. 564
Loran:
Station/Buoys: MIDWAY IN CUT #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

8 CANNONBALL JELLIES
3 LG. SPINY BOX FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 296

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0433 to 0513
Shift#: 296
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-2 ft.
Air Temperature: 50°F
Wind Speed/Direction: N @ 10-15 kn.
Barometric Pressure: 29.91 ↓

BEGIN TOW

Time: 0433
Depth: 38.6
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 415
Longitude: 96° 17. 331
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0513
Depth: 39.4 ft
Total Tow Distance: ft
Latitude: 28° 23.336
Longitude: 96° 17. 133
Loran:
Station/Buoys: SEA BOOY "MB"

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

41 CANNONBALLS
1 BLACK drum
1 GULF PIPEFISH ("SILVER EEL")

* STARBOARD NET SHREDDED ON THIS TOW.
WILL BE DOWN FOR 30-45 MIN.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 297

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0552 to 0632
Shift#: 297
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-2 ft.
Air Temperature: 49°F w/ RAIN
Wind Speed/Direction: NE 10-15 kn.
Barometric Pressure: 29.90 ↔

BEGIN TOW

Time: 0552
Depth: 38.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.375
Longitude: 96° 17.333
Loran:
Station/Buoys: SEA BUOY "WB"

END TOW

Time: 0632
Depth: 40.3 ft
Total Tow Distance: ft
Latitude: 28° 23.295
Longitude: 96° 17.119
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

6 Cannonballs

3 - Cutlass fish.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 298

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0636 to 0716
Shift#: 298
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1ft
Air Temperature: 50°F
Wind Speed/Direction: N E @ 10-15 Kts
Barometric Pressure: 29.90 ↔

BEGIN TOW

Time: 0636
Depth: 39.7
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 432
Longitude: 96° 17 367
Loran:
Station/Buoys: Sea Buoy

END TOW

Time: 0716
Depth: 39.3 ft
Total Tow Distance: ft
Latitude: 28° 23 384
Longitude: 96° 17 383
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - cutlass fish
1 - butterfish
8 - cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 299

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0726 to 0806
Shift#: 299
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 0-1 ft
Air Temperature: 50°F
Wind Speed/Direction: S @ 10 Kts
Barometric Pressure:

BEGIN TOW

Time: 0726
Depth: 39
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 473
Longitude: 96° 17 402
Loran:
Station/Buoys: Mid.

END TOW

Time: 0806
Depth: 40.1 ft
Total Tow Distance: ft
Latitude: 28° 23 715
Longitude: 96° 17 662
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 300

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0815 to 0855
Shift#: 300
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft.
Air Temperature: 55°F
Wind Speed/Direction: SE 5-10kts
Barometric Pressure:

BEGIN TOW

Time: 0815
Depth: 40.9
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 720
Longitude: 96° 17 649
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 0855
Depth: 34.2 ft
Total Tow Distance: ft
Latitude: 28° 23 596
Longitude: 96° 17 739
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- Debris (wood) Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 301

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 0911 to 0951
Shift#: 301
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft.
Air Temperature: 55°F
Wind Speed/Direction: E @ 10 Kts
Barometric Pressure:

BEGIN TOW

Time: 0911
Depth: 41.1
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 546
Longitude: 96° 17 448
Loran:
Station/Buoys: Sea Buoy

END TOW

Time: 0951
Depth: 41.8 ft
Total Tow Distance: ft
Latitude: 28° 23 612
Longitude: 96° 17 548
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 302

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1003 to 1043
Shift#: 302
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft
Air Temperature: 55°F
Wind Speed/Direction: S @ 10 kts
Barometric Pressure:

BEGIN TOW

Time: 10:03
Depth: 39.3
Speed Mid-Tow: 2.8 knots
Latitude: 28°23 786
Longitude: 96° 17 717
Loran:
Station/Buoys:

END TOW

Time: 1043
Depth: 41.4 ft
Total Tow Distance: ft
Latitude: 28° 23 605
Longitude: 96° 17 532
Loran:
Station/Buoys: 122

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - b. drum

2 - cannonball

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 303

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1053 to 1133
Shift#: 303
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1ft
Air Temperature: 55°F
Wind Speed/Direction: E @ 9kts
Barometric Pressure:

BEGIN TOW

Time: 1053
Depth: 41.3
Speed Mid-Tow: 3.2 knots
Latitude: 28° 23 424
Longitude: 96° 17 347
Loran:
Station/Buoys:

END TOW

Time: 1133
Depth: 40.5 ft
Total Tow Distance: ft
Latitude: 28° 23 426
Longitude: 96° 17 242
Loran:
Station/Buoys: SD.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - CB.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 304

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1151 to 1231
Shift#: 304
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0258
High Tide Time: 1927
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft.
Air Temperature: 55-60°F
Wind Speed/Direction: S @ 10 Kts
Barometric Pressure: 29.94↑

BEGIN TOW

Time: 1151
Depth: 39.8.
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 442
Longitude: 96° 17 395
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1231
Depth: 41.1 ft
Total Tow Distance: ft
Latitude: 28° 23 . 532
Longitude: 96° 17 . 485
Loran:
Station/Buoys: NEAR 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

4 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 305

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: to
Shift#: 305
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-1 FT.
Air Temperature: 54° F
Wind Speed/Direction: S @ 5-15 KN.
Barometric Pressure: 29.95 ↑

BEGIN TOW

Time: 1235
Depth: 40.4
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 545
Longitude: 96° 17. 504
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1315
Depth: 40.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 474
Longitude: 96° 17. 406
Loran:
Station/Buoys: MIDWAY IN CUT #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

7 CANNONBALL JELLIES

1 GULF PIPEFISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 306

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1320 to 1400
Shift#: 306
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation ×
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ×
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood: ✓
Slack Ebb: Slack Flood
Comments:

Water Temp. 54° F
Wave Height: 0-1 FT
Air Temperature: 65° F
Wind Speed/Direction: S @ 5-15 kn.
Barometric Pressure: 29.96↑

BEGIN TOW

Time: 1320
Depth: 38.6
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 723
Longitude: 96° 17. 759
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1400
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 803
Longitude: 96° 17. 727
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

6 CANNONBALL JELLIES
1 Spiney Box Fish

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 307

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1412 to 1452
Shift#: 307
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-2 FT
Air Temperature: 58°F
Wind Speed/Direction: SSE @ 5-15 kn.
Barometric Pressure: 29.96 ↔

BEGIN TOW

Time: 1412
Depth: 39.9
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 606
Longitude: 96° 17. 559
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1452
Depth: 41.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 508
Longitude: 96° 17. 690
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 308

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1505 to 1545
Shift#: 308
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0758
High Tide Time: 1927
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 0-2 Ft
Air Temperature: 58°F
Wind Speed/Direction: SE @ 10-20 kn.
Barometric Pressure: 29.94↓

BEGIN TOW

Time: 1505
Depth: 39.7
Speed Mid-Tow: knots
Latitude: 28° 23. 673
Longitude: 96° 17. 587
Loran:
Station/Buoys: 1+2

END TOW

Time: 1545
Depth: 39.3 ft
Total Tow Distance: ft
Latitude: 28° 23. —
Longitude: 96° 17. —
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- Starboard Doors hung up

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 309

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1640 to 1720
Shift#: 309
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1927
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft whitecaps.
Air Temperature: 52°F
Wind Speed/Direction: C @ 20-25 KTS
Barometric Pressure:

BEGIN TOW

Time: 1640
Depth: 39.8
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 648
Longitude: 96° 17 607
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1720
Depth: 44 ft
Total Tow Distance: ft
Latitude: 28° 23 555
Longitude: 96° 17 492
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - black drum

2 - C.B.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 310

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 31 JAN 04
Time: 1725 to 1805
Shift#: 310
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 1927
Ebb: Flood: ✓
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft.
Air Temperature: 58°F
Wind Speed/Direction: SE @ 18-20 kts
Barometric Pressure:

BEGIN TOW

Time: 1725
Depth: 38.4
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 386
Longitude: 96° 17 349
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1805
Depth: 44.2 ft
Total Tow Distance: ft
Latitude: 28° 23.363
Longitude: 96° 17. 293
Loran:
Station/Buoys: midway in cut # 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

4 CANNONBALL JELLIES
1 Black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 311

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1810 to 1850
Shift#: 311
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854 AM SUNDAY
High Tide Time: 1927 SU.2009
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT
Air Temperature: 51°F
Wind Speed/Direction: SE @ 15 - 25 KN.
Barometric Pressure: 29.93 ↓

BEGIN TOW

Time: 1810
Depth: 39.1
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23. 557
Longitude: 96° 17. 475
Loran:
Station/Buoys: MIDWAY IN CUT # 2

END TOW

Time: 1850
Depth: 43.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 492
Longitude: 96° 17. 410
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 312

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 1856 to 1936
Shift#: 312
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854 Sunday
High Tide Time: 1927 2000
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft.
Air Temperature: 55°F
Wind Speed/Direction: SE 10-15 KTS
Barometric Pressure:

BEGIN TOW

Time: 1856
Depth: 41.5
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 422
Longitude: 96° 17 993
Loran:
Station/Buoys:

END TOW

Time: 1936
Depth: 42.7 ft
Total Tow Distance: ft
Latitude: 28° 23 488
Longitude: 96° 17 329
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: 0

Logger:
Kemp:
Green:
Other:

Starboard Net: 0

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 CB
1 - spider crab

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 313

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31-JAN 04
Time: 1944 to 2024
Shift#: 313
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854 2-1-04 Sunday
High Tide Time: 1927 2009
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 10-15 KR
Barometric Pressure:

BEGIN TOW

Time: 1944
Depth: 40.9
Speed Mid-Tow: 2.6 knots
Latitude: 28°23 583
Longitude: 96°17 449
Loran:
Station/Buoys:

END TOW

Time: 2024
Depth: 42 ft
Total Tow Distance: ft
Latitude: 28° 23 430
Longitude: 96° 17 358
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 314

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 2035 to 2115
Shift#: 314
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation ×
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ×
Rocks:
Snag:
Other:

Low Tide Time: 0854 1 FEB 04
High Tide Time: 1927 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 15 Kts
Barometric Pressure:

BEGIN TOW

Time: 2035
Depth: 43.2
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 405
Longitude: 96° 17 322
Loran:
Station/Buoys:

END TOW

Time: 2115
Depth: 39.5 ft
Total Tow Distance: ft
Latitude: 28° 23 559
Longitude: 96° 17 336
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - C.B.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 315

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 31 JAN 04
Time: 2126 to 2206
Shift#: 315
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 1927 \ 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 2126
Depth: 39.4
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 438
Longitude: 96°17 323
Loran:
Station/Buoys:

END TOW

Time: 2206
Depth: 40.6 ft
Total Tow Distance: ft
Latitude: 28°23 279
Longitude: 96°17 183
Loran:
Station/Buoys: SB.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - cutlassfish
1 - burrfish
1 - b. drum
2 - C.B.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 316

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 2215 to 2255
Shift#: 316
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 15 KTS
Barometric Pressure:

BEGIN TOW

Time: 2215
Depth: 42.5
Speed Mid-Tow: 3.2 knots
Latitude: 28°23 360
Longitude: 96°17 251
Loran:
Station/Buoys: S.B.

END TOW

Time: 2255
Depth: 39.5 ft
Total Tow Distance: ft
Latitude: 28°23 473
Longitude: 96°17 234
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - S. stingray
1 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 317

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 31 JAN 04
Time: 2307 to 2347
Shift#: 317
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 15 kts
Barometric Pressure:

BEGIN TOW

Time: 2307
Depth: 42.3
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 357
Longitude: 96° 17 277
Loran:
Station/Buoys:

END TOW

Time: 2347
Depth: 38.6 ft
Total Tow Distance: - ft
Latitude: 28° 23 586
Longitude: 96° 17 331
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 318

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA, Captain DAN Hardy
Crew:

Date: 31 JAN 04 / 01 FEB 04
Time: 2355 to 0035
Shift#: 318
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 50°F
Wind Speed/Direction: SE 10-20KN.
Barometric Pressure: 29.90 ↔

BEGIN TOW

Time: 2355
Depth: 39.1
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 691
Longitude: 96° 17. 619
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0035
Depth: 41.5 ft
Total Tow Distance: ft
Latitude: 28° 23. 811
Longitude: 96° 17. 728
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 CANNONBALL JELLY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 319

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0045 to 0125
Shift#: 319
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 ft
Air Temperature: 50°F
Wind Speed/Direction: SE 10-20 kn.
Barometric Pressure: 29.92 ↑

BEGIN TOW

Time: ~~39.9~~ 0045
Depth: 39.9
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 446
Longitude: 96° 17. 367
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0125
Depth: 39.0 ft
Total Tow Distance: ft
Latitude: 28° 23. 502
Longitude: 96° 17. 434
Loran:
Station/Buoys: SEA BUOY "MB"

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 SOUTHERN RAY
1 CANNONBALL JELLY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 3[illegible]

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0029 to 0209
Shift#: 320
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 50°F
Wind Speed/Direction: S @ 10-15 KN.
Barometric Pressure: 29.93 ↑

BEGIN TOW

Time: 0029
Depth: 36.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 745
Longitude: 96° 17. 641
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0209
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 743
Longitude: 96° 17. 661
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 spiny Box fish
1 CANNONBALL JELLY
1 SOUTHERN RAY
5 GULF PIPEFISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 321

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0218 to 0258
Shift#: 321
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 10-15 KN
Barometric Pressure: 29.95 ↑

BEGIN TOW

Time: 0218
Depth: 44.6
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23. 347
Longitude: 96° 17. 257
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0258
Depth: 39.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 353
Longitude: 96° 17. 271
Loran:
Station/Buoys: SEA BUOY "MB"

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 CANNONBALL JELLY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 322

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0305 to 0345
Shift#: 322
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: ✓ Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 10-15 KN
Barometric Pressure: 29.95 ↔

BEGIN TOW

Time: 0305
Depth: 40.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 376
Longitude: 96° 17. 279
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0345
Depth: 42.6 ft
Total Tow Distance: ft
Latitude: 28° 23. 383
Longitude: 96° 17. 297
Loran:
Station/Buoys: SEA BUOY MTB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 323

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0409 to 0449
Shift#: 323
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 1-3 ft
Air Temperature: 49°F
Wind Speed/Direction: NE @ 10-15 kn
Barometric Pressure: 29.83↓

BEGIN TOW

Time: 0409
Depth: 40.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23.410
Longitude: 96° 17.312
Loran:
Station/Buoys: NEAR BUOY MB

END TOW

Time: 0449
Depth: 42.3 ft
Total Tow Distance: ft
Latitude: 28° 23.277
Longitude: 96° 17.172
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 324

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0450 to 0530
Shift#: 324
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: ✓ Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52° F
Wave Height: 0-3 ft.
Air Temperature: 48° F
Wind Speed/Direction: N @ 5-15 KN
Barometric Pressure: 29.81 ↓

BEGIN TOW

Time: 0450
Depth: 41.7
Speed Mid-Tow: 2.6 knots
Latitude: 28° 23. 485
Longitude: 96° 17. 236
Loran:
Station/Buoys: SEA BUOY MB

END TOW

Time: 0530
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 328
Longitude: 96° 17. 148
Loran:
Station/Buoys: MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 JUV. SQUID 6"
1 GULF PIPEFISH 5"

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 325

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 0540 to 0620
Shift#: 325
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 0-3 ft.
Air Temperature: 49°F
Wind Speed/Direction: N @ 5-15 kn.
Barometric Pressure: 29.80↓

BEGIN TOW

Time: 0540
Depth: 40.0
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23.470
Longitude: 96° 17.374
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0620
Depth: 40.8 ft
Total Tow Distance: ft
Latitude: 28° 23.426
Longitude: 96° 17.341
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 326

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 FEB 04
Time: 0630 to 0710
Shift#: 326
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 1-2ft
Air Temperature: 50°F
Wind Speed/Direction: N @ 10-15 KTS
Barometric Pressure:

BEGIN TOW

Time: 0630
Depth: 40
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 276
Longitude: 96° 17 050
Loran:
Station/Buoys: 5 B

END TOW

Time: 0710
Depth: 42.1 ft
Total Tow Distance: ft
Latitude: 28° 23 323
Longitude: 96° 17 112
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - SB

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 327

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 0717 to 0757
Shift#: 327
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 1-2 ft
Air Temperature: 50°F
Wind Speed/Direction: NE 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 0717
Depth: 43.2
Speed Mid-Tow: 3.2 knots
Latitude: 28° 23 554
Longitude: 96° 17 460
Loran:
Station/Buoys:

END TOW

Time: 0757
Depth: 38.1 ft
Total Tow Distance: ft
Latitude: 28° 23 335
Longitude: 96° 17 426
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

5 - CB.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 328

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 FEB 04
Time: 0844 to 0924
Shift#: 328
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 50-55°F
Wind Speed/Direction: E @ 10-15KH
Barometric Pressure:

BEGIN TOW

Time: 0844
Depth: 38.2
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 463
Longitude: 96° 17 428
Loran:
Station/Buoys:

END TOW

Time: 0924
Depth: 38.7 ft
Total Tow Distance: ft
Latitude: 28° 23 460
Longitude: 96° 17 223
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - CB.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 329

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 0937 to 1017
Shift#: 329
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: E @ 10KTS
Barometric Pressure:

BEGIN TOW

Time: 0937
Depth: 384
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 721
Longitude: 96° 17 621
Loran:
Station/Buoys:

END TOW

Time: 1017
Depth: 42.5 ft
Total Tow Distance: ft
Latitude: 28° 23 291
Longitude: 96° 17 132
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 330

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 1025 to 1105
Shift#: 330
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: C @ 10KTS
Barometric Pressure:

BEGIN TOW

Time: 1025
Depth: 42.8
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 412
Longitude: 96° 17 320
Loran:
Station/Buoys:

END TOW

Time: 1105
Depth: 43.1 ft
Total Tow Distance: ft
Latitude: 28° 22 256
Longitude: 96° 17 110
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 331

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 1203 to 1243
Shift#: 331
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854
High Tide Time: 2009
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft.
Air Temperature: 55°-60°F
Wind Speed/Direction: SE @ 15 kts
Barometric Pressure:

BEGIN TOW

Time: 1203
Depth: 39.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 425
Longitude: 96° 17 369
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 1243
Depth: 39.1 ft
Total Tow Distance: ft
Latitude: 28° 23 318
Longitude: 96° 17 128
Loran:
Station/Buoys: BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 CANNONBALL JELLIES
1 BLACK drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 332

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HEDY
Crew:

Date: 1 Feb 04
Time: 1248 to 1328
Shift#: 332
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854 | 0947
High Tide Time: 2009 | 2058
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 1-2 ft.
Air Temperature: 63° F
Wind Speed/Direction: SE @ 15 kn.
Barometric Pressure: 29.85 ↓

BEGIN TOW

Time: 1248
Depth: 41.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 708
Longitude: 96° 17. 651
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1328
Depth: 39.5 ft
Total Tow Distance: ft
Latitude: 28° 23. 492
Longitude: 96° 17. 682
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 333

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 1 Feb 04
Time: 1335 to 1415
Shift#: 333
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

		MON.
Low Tide Time:	0854	0947
High Tide Time:	2009	2058

Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 1-2 FT.
Air Temperature: 63° F
Wind Speed/Direction: SE @ 15 KN.
Barometric Pressure: 29.84↓

BEGIN TOW

Time: 1335
Depth: 38.8
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 513
Longitude: 96° 17. 473
Loran:
Station/Buoys: 1 + 2 OUTBOARD

END TOW

Time: 1415
Depth: 42.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 363
Longitude: 96° 17. 290
Loran:
Station/Buoys: BUOY "MB"

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 Black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 334

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 01 FEB 04
Time: 1430 to 1510
Shift#: 334
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

		MON.
Low Tide Time:	0854	0947
High Tide Time:	2009	2058

Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2 ft.
Air Temperature: 67° F
Wind Speed/Direction: N @ 10-15 kn.
Barometric Pressure: 29.82↓

BEGIN TOW

Time: 1430
Depth: 41.5
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23. 672
Longitude: 96° 17. 622
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1510
Depth: 35.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 507
Longitude: 96° 17. 710
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 335

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 1512 to 1552
Shift#: 335
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

		MDN
Low Tide Time:	0854	0947
High Tide Time:	2009	2058

Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53° F
Wave Height: 2-4 FT.
Air Temperature: 65° F
Wind Speed/Direction: NW @ 10-15 KN.
Barometric Pressure: 29.81↓

BEGIN TOW

Time: 1512
Depth: 42.2
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23. 378
Longitude: 96° 17. 341
Loran:
Station/Buoys: SEA BUOY MB

END TOW

Time: 1552
Depth: 40.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 337
Longitude: 96° 17. 278
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 336

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 1605 to 1645
Shift#: 336
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0854 | 0947
High Tide Time: 2009 | 2058
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 65°F
Wind Speed/Direction: NE @ 10-15 KN
Barometric Pressure: 29.81 ↔

BEGIN TOW

Time: 1605
Depth: 39.5
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 614
Longitude: 96° 17. 577
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1645
Depth: 42.6 ft
Total Tow Distance: ft
Latitude: 28° 23. 533
Longitude: 96° 17. 442
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 337

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 01 FEB 04
Time: 1648 to 1728
Shift#: 337
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0854 | 0947
High Tide Time: 2009 | 2058
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT.
Air Temperature: 61°F (WIND CHILL @ 48°F)
Wind Speed/Direction: SE @ 15-25 KN.
Barometric Pressure: 29.80↓

BEGIN TOW

Time: 1648
Depth: 43.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23.341
Longitude: 96° 17.225
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1728
Depth: 44.7 ft
Total Tow Distance: ft
Latitude: 28° 23.346
Longitude: 96° 17.191
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 338

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN Hardy
Crew:

Date: 01 FEB 04
Time: 1745 to 1825
Shift#: 338
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

MON FEB 2.
Low Tide Time: 0854 | 0947
High Tide Time: 2009 | 2058
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-3 FT.
Air Temperature: 57°F W/CHILL @ 46°F
Wind Speed/Direction: E @ 15-25 kn.
Barometric Pressure: 29.80 ↔

BEGIN TOW

Time: 1745
Depth: 42.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 676
Longitude: 96° 17. 596
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1825
Depth: 42.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 751
Longitude: 96° 17. 672
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - blackdrum

1 - burrfish

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 339

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 1831 to 1911
Shift#: 339
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: / 0947
High Tide Time: 2009 / 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft.
Air Temperature: 57°F
Wind Speed/Direction: E @ 10-15 KTS
Barometric Pressure:

BEGIN TOW

Time: 1831
Depth: 41
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 695
Longitude: 96° 17 632
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1911
Depth: 38.4 ft
Total Tow Distance: ft
Latitude: 28° 23 487
Longitude: 96° 17 270
Loran:
Station/Buoys: S.B.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1-Bdrum
2-CBJ

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 340

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 1920 to 2000
Shift#: 340
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: / 0947
High Tide Time: 2009 / 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 10-15 KT
Barometric Pressure:

BEGIN TOW

Time: 1920
Depth: 42.
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 626
Longitude: 96° 17 572
Loran:
Station/Buoys:

END TOW

Time: 2000
Depth: 42.3 ft
Total Tow Distance: ft
Latitude: 28° 23 688
Longitude: 96° 17 634
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - burrfish

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 341

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 2006 to 2046
Shift#: 341
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: / 0947
High Tide Time: 2009 / 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft.
Air Temperature: 55°F
Wind Speed/Direction: E @ 15-20 KTS
Barometric Pressure: 30.60

BEGIN TOW

Time: 2006
Depth: 38.6
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 751
Longitude: 96° 17 671
Loran:
Station/Buoys:

END TOW

Time: 2046
Depth: 34.6 ft
Total Tow Distance: ft
Latitude: 28° 23 505
Longitude: 96° 17 724
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 342

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 2053 to 2133
Shift#: 342
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: / 0947
High Tide Time: 2009 / 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 55°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: E @ 15-20 Kts
Barometric Pressure:

BEGIN TOW

Time: 2053
Depth: 42.1
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 387
Longitude: 96° 17 326
Loran:
Station/Buoys:

END TOW

Time: 2133
Depth: 40.3 ft
Total Tow Distance: ft
Latitude: 28° 23 363
Longitude: 96° 17 118
Loran:
Station/Buoys: 5.13

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 343

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 2135 to 2215
Shift#: 343
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: / 0947
High Tide Time: 2009 / 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 15-20 kts
Barometric Pressure: 30.00

BEGIN TOW

Time: 2135
Depth: 42.9
Speed Mid-Tow: 2.4 knots
Latitude: 28° 23 507
Longitude: 96° 17 420
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2215
Depth: 42.5 ft
Total Tow Distance: ft
Latitude: 28° 23 605
Longitude: 96° 17 503
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 344

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 2225 to 2305
Shift#: 344
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation ×
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ×
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 15-20kts
Barometric Pressure:

BEGIN TOW

Time: 2225
Depth: 44.0
Speed Mid-Tow: 2.7 knots
Latitude: 28°23 413
Longitude: 96°17 323
Loran:
Station/Buoys:

END TOW

Time: 2305
Depth: 42.3 ft
Total Tow Distance: ft
Latitude: 28°23 446
Longitude: 96°17 396
Loran:
Station/Buoys: SB.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 345

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 1 Feb 04
Time: 2318 to 2358
Shift#: 345
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft
Air Temperature: 55°F
Wind Speed/Direction: SE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 2318
Depth: 41.2
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 650
Longitude: 96° 17 606
Loran:
Station/Buoys:

END TOW

Time: 2358
Depth: 39.5 ft
Total Tow Distance: ft
Latitude: 28° 23 482
Longitude: 96° 17 522
Loran:
Station/Buoys: 1&2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 346

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 0003 to 0043
Shift#: 346
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 1-2 ft - ground swell
Air Temperature: 55°F
Wind Speed/Direction: SE @ 10 kts
Barometric Pressure:

BEGIN TOW

Time: 0003
Depth: 44
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 453
Longitude: 96° 17 375
Loran:
Station/Buoys:

END TOW

Time: 0043
Depth: 40.6 ft
Total Tow Distance: ft
Latitude: 28° 23 459
Longitude: 96° 17 396
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 347

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 0050 to 0130
Shift#: 347
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft.
Air Temperature: 51°F
Wind Speed/Direction: NW @ 10-15 kn.
Barometric Pressure: 29.97↓

BEGIN TOW

Time: 0050
Depth: 42.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 462
Longitude: 96° 17. 409
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0130
Depth: 42.9 ft
Total Tow Distance: ft
Latitude: 28° 23. 522
Longitude: 96° 17. 474
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 348

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 0140 to 0220
Shift#: 348
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-3 ft
Air Temperature: 63°F
Wind Speed/Direction: NE @ 5-10 kn
Barometric Pressure: 29.97 ↔

BEGIN TOW

Time: 0140
Depth: 44.5
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 657
Longitude: 96° 17. 601
Loran:
Station/Buoys: 1+2

END TOW

Time: 0220
Depth: 44.6 ft
Total Tow Distance: ft
Latitude: 28° 23 638
Longitude: 96° 17. 598
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 349

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 FEB 04
Time: 0328 to 0408
Shift#: 349
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 FT
Air Temperature: 57°F / STORMING
Wind Speed/Direction: NE @ 20-30 kn
Barometric Pressure: 29.94↓

BEGIN TOW

Time: 0328
Depth: 42.4
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 400
Longitude: 96° 17. 362
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0408
Depth: 42.0 ft
Total Tow Distance: ft
Latitude: 28° 23. 470
Longitude: 96° 17. 381
Loran:
Station/Buoys: MIDWAY IN CUT #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

ACTIVITY CESATION DUE TO SEVERE STORM W/ CLOUD TO GROUND LIGHTNING & HIGH WINDS ABOVE 30 kn. RESUMED @ 0328 HRS.

12 CANNONBALL JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 350

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 FEB 04
Time: 0410 to 0450
Shift#: 350
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: ✓ Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 FT.
Air Temperature: 56°F
Wind Speed/Direction: W @ 10-15 kn.
Barometric Pressure: 29.96↑

BEGIN TOW

Time: 0410
Depth: 39.8
Speed Mid-Tow: 2.9 / 3.0 knots
Latitude: 28° 23.647
Longitude: 96° 17.589
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0450
Depth: 39.7 ft
Total Tow Distance: ft
Latitude: 28° 23.567
Longitude: 96° 17.508
Loran:
Station/Buoys: MIDWAY IN CUT #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 Spiny Box Fish
23 C.B.J.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 351

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 FEB 04
Time: 0455 to 0535
Shift#: 351
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft.
Air Temperature: 56°F
Wind Speed/Direction: W @ 5-10 kn.
Barometric Pressure: 29.97

BEGIN TOW

Time: 0455
Depth: 44.1
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 534
Longitude: 96° 17. 551
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0535
Depth: 38.9 ft
Total Tow Distance: ft
Latitude: 28 23. 607
Longitude: 96 17. 632
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

18 C.B.J.'S

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 352

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 FEB 04
Time: 0540 to 0620
Shift#: 352
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-2 Ft.
Air Temperature: 57°F
Wind Speed/Direction: W @ 5-10 knots
Barometric Pressure: 29.97 ↔

BEGIN TOW

Time: 0540
Depth: 42.8
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 702
Longitude: 96° 17. 644
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0628
Depth: 49.5 ft
Total Tow Distance: ft
Latitude: 28° 23. 741
Longitude: 96° 17. 726
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

port Doors hung up 0612

~20 CBS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 353

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 FEB 04
Time: 0630 to 0710
Shift#: 353
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-2 ft
Air Temperature: 52°F
Wind Speed/Direction: SE @ 10 Kts
Barometric Pressure: —

BEGIN TOW

Time: 0630
Depth: 39.2
Speed Mid-Tow: 3.1 knots
Latitude: 28°23 505
Longitude: 96°17 450
Loran:
Station/Buoys: Mid.

END TOW

Time: 0710
Depth: 43.3 ft
Total Tow Distance: ft
Latitude: 28°23 243
Longitude: 96°17 261
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 - CBS

1 - burrfish

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 354

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 FEB 04
Time: 0720 to 0800
Shift#: 354
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2ft whitecaps
Air Temperature: 58°F
Wind Speed/Direction: NE @ 15-20kts
Barometric Pressure:

BEGIN TOW

Time: 0720
Depth: 40.7
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 492
Longitude: 96° 17 406
Loran:
Station/Buoys:

END TOW

Time: 0800
Depth: 40.8 ft
Total Tow Distance: ft
Latitude: 28° 23 578
Longitude: 96° 17 527
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1-b.drum

15-CPS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 355

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 0811 to 0835
Shift#: 356
Dredge Location: CHANNEL
Total Tow Time: 24 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft whitecaps
Air Temperature: 58°F
Wind Speed/Direction: NE @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 0811
Depth: 39.5
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 500
Longitude: 96° 17 391
Loran:
Station/Buoys:

END TOW

Time: 0835
Depth: 27.8 ft
Total Tow Distance: ft
Latitude: 28° 23 830
Longitude: 96° 17 705
Loran:
Station/Buoys: 122

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- wind gusts up to 35 kts hauled up early

~25 CB.J

1 - b.drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 356

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 1843 to 1923
Shift#: 356
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft ~~whitecaps~~
Air Temperature: 58°F
Wind Speed/Direction: NE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 1843
Depth: 42.2
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 722
Longitude: 96° 17 679
Loran:
Station/Buoys:

END TOW

Time: 1923
Depth: 34.8 ft
Total Tow Distance: ft
Latitude: 28° 23 661
Longitude: 96° 17 786
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - burrfish

1 - CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 357

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 1930 to 2010
Shift#: 357
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 0947
High Tide Time: 2058
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft
Air Temperature: 55°F
Wind Speed/Direction: NE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 1930
Depth: 42.3
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 360
Longitude: 96° 17 292
Loran:
Station/Buoys: Sea Buoy

END TOW

Time: 2010
Depth: 42.1 ft
Total Tow Distance: ft
Latitude: 28° 23 485
Longitude: 96° 17 438
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - C.B.S

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 358

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 2020 to 2100
Shift#: 358
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2058
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft
Air Temperature: 53°F
Wind Speed/Direction: NE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 2020
Depth: 42.2
Speed Mid-Tow: 2.9 knots
Latitude: 28°23 393
Longitude: 96° 17 346
Loran:
Station/Buoys:

END TOW

Time: 2100
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23 271
Longitude: 96° 17 191
Loran:
Station/Buoys: S13

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 359

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 2110 to 2150
Shift#: 359
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2058
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft
Air Temperature: 53°F
Wind Speed/Direction: NE @ 10 Kts
Barometric Pressure:

BEGIN TOW

Time: 2110
Depth: 41.8
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 502
Longitude: 96° 17 402
Loran:
Station/Buoys: SB.

END TOW

Time: 2150
Depth: 39.8 ft
Total Tow Distance: ft
Latitude: 28° 23 404
Longitude: 96° 17 266
Loran:
Station/Buoys: SB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 -CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 360

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 2156 to 2236
Shift#: 360
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood x
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft
Air Temperature: 50°F
Wind Speed/Direction: NE @ 10 kts
Barometric Pressure:

BEGIN TOW

Time: 2156
Depth: 42
Speed Mid-Tow: 3.3 knots
Latitude: 28° 23 371
Longitude: 96° 17 274
Loran:
Station/Buoys:

END TOW

Time: 2236
Depth: 39.3 ft
Total Tow Distance: ft
Latitude: 28° 23 342
Longitude: 96° 17 397
Loran:
Station/Buoys: S.B

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - black drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 361

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 2246 to 2326
Shift#: 361
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 0-1 ft
Air Temperature: 50°F - windchill 37°F
Wind Speed/Direction: NE @ 10-15 Kts
Barometric Pressure:

BEGIN TOW

Time: 2246
Depth: 42.1
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 542
Longitude: 96° 17.491
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 2326
Depth: 36.8 ft
Total Tow Distance: ft
Latitude: 28° 23.538
Longitude: 96° 17 304
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 362

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 2 Feb 04
Time: 2337 to 0017
Shift#: 362
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2058
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 1-2 ft.
Air Temperature: 50°F wind - 38°F
Wind Speed/Direction: NE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 2337
Depth: 42.1
Speed Mid-Tow: knots
Latitude: 28°23 537
Longitude: 96°17 436
Loran:
Station/Buoys: NEAR 1+2

END TOW

Time: 0017
Depth: 42.5 ft
Total Tow Distance: ft
Latitude: 28°23 644
Longitude: 96°17 598
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 363

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 0025 to 0105
Shift#: 363
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 1-3 FT. w/occ. 4's
Air Temperature: 53°F / 33°F w. CHILL
Wind Speed/Direction: 25 KN. NE
Barometric Pressure: 30.01 ↔

BEGIN TOW

Time: 0025
Depth: 40.4
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 647
Longitude: 96° 17. 541
Loran:
Station/Buoys: 1+2

END TOW

Time: 0105
Depth: 40.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 446
Longitude: 96° 17. 381
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 COW NOSED RAY

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 364

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: ~~0108~~ 02 FEB 04
Time: 0108 to 0148
Shift#: 364
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 1-3 FT W/OCCASIONAL 4'S
Air Temperature: 53°F / 33°F+WIND CHILL
Wind Speed/Direction: NE @ 20-30 KN
Barometric Pressure: 30.01 ↔

BEGIN TOW

Time: 0108
Depth: 42.6
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 626
Longitude: 96° 17. 535
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0148
Depth: 40.3 ft
Total Tow Distance: ft
Latitude: 28° 23. 608
Longitude: 96° 17. 506
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 365

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew: RANDY, MIKE, DAVE (CREW) ERIK ROLLA, JEN SUMMWALT (REMSA)

Date: 03 FEB 04
Time: 0205 to 0245
Shift#: 365
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 2-4 FT
Air Temperature: 50°F | 32°F w/wind chill
Wind Speed/Direction: NE @ 20-30 kn.
Barometric Pressure: 30.04 ↑

BEGIN TOW

Time: 0205
Depth: 41.8
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 . 731
Longitude: 96° 17 .665
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0245
Depth: 42.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 632
Longitude: 96° 17. 578
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 366

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 0248 to 0328
Shift#: 366
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52° F
Wave Height: 2-4 FT
Air Temperature: 48°F / windchill @ 32°F
Wind Speed/Direction: 25 - 35 KN ENE
Barometric Pressure: 30.06 ↑

BEGIN TOW

Time: 0248
Depth: 41.7
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23. 507
Longitude: 96° 17. 418
Loran:
Station/Buoys: MIDWAY / CUT #2

END TOW

Time: 0328
Depth: 43.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 381
Longitude: 96° 17. 284
Loran:
Station/Buoys: NEAR BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 367

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 0340 to 0420
Shift#: 367
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 51°F
Wave Height: 2-4 ft
Air Temperature: 51°F / chill @ 33
Wind Speed/Direction: ENE @ 25 -30kn.
Barometric Pressure: 30.08 ↑

BEGIN TOW

Time: 0340
Depth: 41.0
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 511
Longitude: 96° 17. 522
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0420
Depth: 43.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 301
Longitude: 96° 17. 236
Loran:
Station/Buoys: BUOY MTB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 368

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 0425 to 0505
Shift#: 368
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 57°F
Wave Height: 2-4 ft
Air Temperature: 50°F w/chill @ 33°F
Wind Speed/Direction: E @ 20-30kn.
Barometric Pressure: 30.08 ↔

BEGIN TOW

Time: 0425
Depth: 41.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 352
Longitude: 96° 17. 179
Loran:
Station/Buoys: BUOY MB

END TOW

Time: 0505
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 376
Longitude: 96° 17. 196
Loran:
Station/Buoys: BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 C. B. J's.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 369

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 0510 to 0550
Shift#: 369
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 FT.
Air Temperature: 50°F / WD. CHILL @ 32°F.
Wind Speed/Direction: E @ 20-30 kn.
Barometric Pressure: 30.10 ↑

BEGIN TOW

Time: 0510
Depth: 40.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23. 418
Longitude: 96° 17. 343
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0550
Depth: 42.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 297
Longitude: 96° 17. 211
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: 6

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 spiney Box Fish
1 C.B.J.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 370

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 0554 to 0634
Shift#: 370
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 4-6 FT. W/STRONG 5's.
Air Temperature: 49°F / W.CH. 33°F
Wind Speed/Direction: ESE @ 20-30 KNT.
Barometric Pressure: 30.10 ↔

BEGIN TOW

Time: 0554
Depth: 40.2
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23. 372
Longitude: 96° 17. 172
Loran:
Station/Buoys: BUOY MB

END TOW

Time: 0634
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 357
Longitude: 96° 17. 185
Loran:
Station/Buoys: Buoy (MB)

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - CBJ.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 371

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 0640 to 0720
Shift#: 371
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-3ft
Air Temperature: 50°F w.chill 35°F
Wind Speed/Direction: SSE @ 15-20kts
Barometric Pressure: —

BEGIN TOW

Time: 0640
Depth: 41
Speed Mid-Tow: 3.1 knots
Latitude: 28 23 460
Longitude: 96 17 354
Loran:
Station/Buoys:

END TOW

Time: 0720
Depth: 41.5 ft
Total Tow Distance: ft
Latitude: 28° 23 367
Longitude: 96° 17 279
Loran:
Station/Buoys: MB.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - black drum
1 - Mat3 shrimp
2 - CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 372

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 0731 to 0811
Shift#: 372
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-5 ft whitecaps
Air Temperature: 50°F
Wind Speed/Direction: E @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 0731
Depth: 42.9
Speed Mid-Tow: 2.4 knots
Latitude: 28°23 343
Longitude: 86°17 286
Loran:
Station/Buoys:

END TOW

Time: 0811
Depth: 38.2 ft
Total Tow Distance: ft
Latitude: 28°23 518
Longitude: 86°17 290
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 373

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 0821 to 0901
Shift#: 373
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 57°F
Wave Height: 1-4ft whitecaps
Air Temperature: 52°F
Wind Speed/Direction: SE @ 20-25kts
Barometric Pressure:

BEGIN TOW

Time: 0821
Depth: 40.1
Speed Mid-Tow: 2.8 knots
Latitude: 28°23 434
Longitude: 96°17 368
Loran:
Station/Buoys:

END TOW

Time: 0901
Depth: 39.8 ft
Total Tow Distance: ft
Latitude: 28°23 508
Longitude: 96°17 467
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø – Debris (wood)

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 374

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 1013 to 1053
Shift#: 374
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood: X
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 2-4 ft
Air Temperature: 53°F
Wind Speed/Direction: SE @ 15-20 Kts
Barometric Pressure:

BEGIN TOW

Time: 1013
Depth: 40.9
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23 568
Longitude: 96° 17 525
Loran:
Station/Buoys:

END TOW

Time: 1053
Depth: 43.4 ft
Total Tow Distance: ft
Latitude: 28° 23 845
Longitude: 96° 17 706
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø Debris (wood)

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 375

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 1105 to 1145
Shift#: 376
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-5ft whitecaps
Air Temperature: 55°F
Wind Speed/Direction: SE @ 25 kts
Barometric Pressure:

BEGIN TOW

Time: 1105
Depth: 39.3
Speed Mid-Tow: 2.9 knots
Latitude: 28°23 500
Longitude: 96°17 343
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1145
Depth: 34.7 ft
Total Tow Distance: ft
Latitude: 28° 23 535
Longitude: 96° 17 636
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 376

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 1213 to 1253
Shift#: 376
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-5 ft
Air Temperature: 60°F
Wind Speed/Direction: SE @ 20 Kts
Barometric Pressure: 30.06 ↑↓

BEGIN TOW

Time: 1213
Depth: 42.8
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 . 425
Longitude: 96° 17 . 398
Loran:
Station/Buoys: SEA BUOY WB

END TOW

Time: 1253
Depth: 39.7 ft
Total Tow Distance: ft
Latitude: 28° 23 551
Longitude: 96° 17 514
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 377

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 05 FEB 04
Time: 1355 to 1435
Shift#: 377
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 2-4 ft w/SOME 5's
Air Temperature: 53°F
Wind Speed/Direction: SE @ 20-30 kn
Barometric Pressure: 30.06

BEGIN TOW

Time: 1355
Depth: 39.7
Speed Mid-Tow: 3.0 knots
Latitude: 28° . 23. 729
Longitude: 96° 17. 671
Loran:
Station/Buoys: 1+2

END TOW

Time: 1435
Depth: 34.6 ft
Total Tow Distance: ft
Latitude: 28° . 23. 588
Longitude: 96 . 17. 759
Loran:
Station/Buoys: 1+2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 378

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 1438 to 1518
Shift#: 378
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 4-5 FT.
Air Temperature: 53°F
Wind Speed/Direction: SE @ 20-30 kn.
Barometric Pressure: 30.07 ↑

BEGIN TOW

Time: 1438
Depth: 43.7
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23. 448
Longitude: 96° 17. 389
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1518
Depth: 39.5 ft
Total Tow Distance: ft
Latitude: 28° 23. 492
Longitude: 96° 17. 376
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 379

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 1610 to 1650
Shift#: 379
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 52° F
Wave Height: 4-5 FT.
Air Temperature: 53°F.
Wind Speed/Direction: SE @ 20 - 30 KN.
Barometric Pressure: 30.09 ↑

BEGIN TOW

Time: 1610
Depth: 40.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 739
Longitude: 96° 17. 708
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1650
Depth: 44.6 ft
Total Tow Distance: ft
Latitude: 28° 23. 595
Longitude: 96° 17. 731
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 380

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 FEB 04
Time: 1655 to 1735
Shift#: 380
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036
High Tide Time: 2152
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 FT
Air Temperature: 49°F
Wind Speed/Direction: SE @ 20-30 KN.
Barometric Pressure: 30.07 ↓

BEGIN TOW

Time: 1655
Depth: 42.2
Speed Mid-Tow: 2.9 knots
Latitude: 28°. 23 435
Longitude: 96°. 17. 400
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 1735
Depth: 39.7 ft
Total Tow Distance: ft
Latitude: 28°, 23. 483
Longitude: 96°. 17. 574
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - cownose ray
2 - CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 381

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 Feb 04
Time: 1748 to 1828
Shift#: 381
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation ×
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ×
Rocks:
Snag:
Other:

Low Tide Time: 1036 / 1119
High Tide Time: 2152 / [illegible]
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 25-30 kts
Barometric Pressure: 30.07↓

BEGIN TOW

Time: 1848
Depth: 43.2
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23704
Longitude: 96° 17633
Loran:
Station/Buoys:

END TOW

Time: 1828
Depth: 34.9 ft
Total Tow Distance: ft
Latitude: 28° 23495
Longitude: 96° 17711
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - S. stingray
2 - C.B.J.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 382

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 02 Feb 04
Time: 1846 to 1926
Shift#: 382
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1036 / 1119
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 25-30 kt
Barometric Pressure: 30.15

BEGIN TOW

Time: 1846
Depth: 44.6
Speed Mid-Tow: 2.6 knots
Latitude: 28° 23 633
Longitude: 96° 17 589
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1926
Depth: 36.6 ft
Total Tow Distance: ft
Latitude: 28° 23 550
Longitude: 96° 17 706
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 383

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 Feb 04
Time: 1936 to 2016
Shift#: 383
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1036 / 1119
High Tide Time: 2152 /
Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 Ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 1936
Depth: 44.6
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 605
Longitude: 96° 17 543
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2016
Depth: 42.9 ft
Total Tow Distance: ft
Latitude: 28° 23 458
Longitude: 96° 17 379
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 384

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 2024 to 2104
Shift#: 384
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2152
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6 ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 20-25 kts
Barometric Pressure:

BEGIN TOW

Time: 2024
Depth: 42.5
Speed Mid-Tow: 2.8 knots
Latitude: 28°23 504
Longitude: 86°17 412
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2104
Depth: 42.9 ft
Total Tow Distance: ft
Latitude: 28°23 375
Longitude: 86°17 320
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 385

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 3 Feb 04
Time: 2114 to 2154
Shift#: 385
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2152 ~~1050~~
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6 ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 2114
Depth: 42.0
Speed Mid-Tow: 2.0 knots
Latitude: 28° 23 443
Longitude: 96° 17 374
Loran:
Station/Buoys: Mid.

END TOW

Time: 2154
Depth: 42.1 ft
Total Tow Distance: ft
Latitude: 28° 23 364
Longitude: 96° 17 240
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 386

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DALL HARDY
Crew:

Date: 03 Feb 04
Time: 2156 to 2236
Shift#: 386
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: / 1119
High Tide Time: 2152 / 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6ft.
Air Temperature: 50°F
Wind Speed/Direction: SE @ 15-20kts
Barometric Pressure:

BEGIN TOW

Time: 2156.
Depth: 38.3
Speed Mid-Tow: 3.2 knots
Latitude: 28° 23 420
Longitude: 96° 17 124
Loran:
Station/Buoys: Mid.

END TOW

Time: 2236
Depth: 42.8 ft
Total Tow Distance: ft
Latitude: 28° 23 457
Longitude: 96° 17 216
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2-b. drum

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 387

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 Feb 04
Time: 2242 to 2322
Shift#: 387
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: / 1119
High Tide Time: 2152 / 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6ft
Air Temperature: 50°F
Wind Speed/Direction: SE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 2242
Depth: 38.6
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23.666
Longitude: 96° 17.413
Loran:
Station/Buoys:

END TOW

Time: 2322
Depth: 38.2 ft
Total Tow Distance: ft
Latitude: 28° 23.474
Longitude: 96° 17.541
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - b.drum
1 - burrfish
1 - S. stingray.
2 - C.B.S.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 388

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 03 Feb 04
Time: 2331 to 0011
Shift#: 388
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: / 1119
High Tide Time: 2152 / 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 ft.
Air Temperature: 51°F
Wind Speed/Direction: SE @ 10-15 kts
Barometric Pressure:

BEGIN TOW

Time: 2331
Depth: 41.1
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 560
Longitude: 96° 17 486
Loran:
Station/Buoys:

END TOW

Time: 0011
Depth: 36.1 ft
Total Tow Distance: ft
Latitude: 28° 23 628
Longitude: 96° 17 300
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 389

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 04 FEB 04
Time: 0020 to 0100
Shift#: 389
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: / 1119
High Tide Time: 2152 / 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 FT.
Air Temperature: 51°F
Wind Speed/Direction: SE @ 15-25 kn
Barometric Pressure: 29.99 ↔

BEGIN TOW

Time: 0020
Depth: 44.6
Speed Mid-Tow: knots
Latitude: 28° 23. 681
Longitude: 96° 17. 631
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0100
Depth: 43.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 566
Longitude: 96° 17. 496
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 390

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 04 FEB 04
Time: 0102 to 0142
Shift#: 390
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: / 1119
High Tide Time: 2152 / 2250
Ebb: Y Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 FT.
Air Temperature: 51°F
Wind Speed/Direction: SE @ 20-25 KN
Barometric Pressure: 29.99 ↔

BEGIN TOW

Time: 0102
Depth: 45.3
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 472
Longitude: 96° 17. 397
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0142
Depth: 42.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 669
Longitude: 96° 17. 553
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net:

Logger:
Kemp:
Green:
Other:

Starboard Net:

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 391

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 04 FEB 04
Time: 0153 to 0233
Shift#: 391
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 FT.
Air Temperature: 51°F
Wind Speed/Direction: SE @ 20-25
Barometric Pressure: 30.20
PRESSURE FROM ATCHAFALAYA @ 0215 HRS

BEGIN TOW

Time: 0153
Depth: 42.7
Speed Mid-Tow: 2.9 knots
Latitude: 28 · 23 · 785
Longitude: 96 17. 694
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0233
Depth: 43.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 328
Longitude: 96° 17. 003
Loran:
Station/Buoys: BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLACK drum
4 C.B.J.'s.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 392

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 04 FEB 04
Time: 0238 to 0318
Shift#: 392
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-5 ft.
Air Temperature: 53°F
Wind Speed/Direction: SE @ 15-25 kn
Barometric Pressure: 30.20 ↔

BEGIN TOW

Time: 0238
Depth: 42.5
Speed Mid-Tow: 2-9 knots
Latitude: 28° 23. 534
Longitude: 96° 17. 420
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0318
Depth: 40.3 ft
Total Tow Distance: ft
Latitude: 28° 23. 530
Longitude: 96° 17. 461
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

DREDGE REQUESTED RELATION DUE TO SWELLS + CROSS CURRENTS @ 0350 HRS. REPORTED DIFFICULTY WITH OPERATIONS. DREDGE CAPTAIN OKAYED LAY TO UNTIL DAWN. 18

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 393

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 04 Feb 04
Time: 0807 to 0847
Shift#: 393
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 4-6 ft.
Air Temperature: 54°F L.C. -41°F
Wind Speed/Direction: E @ 20 Kts
Barometric Pressure:

BEGIN TOW

Time: 0807
Depth: 44.3
Speed Mid-Tow: knots
Latitude: 28° 23 771
Longitude: 96° 17 722
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0847
Depth: 40.1 ft
Total Tow Distance: ft
Latitude: 28° 23 635
Longitude: 96° 17 573
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 - b.drum

10 - Cannonballs

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 394

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 04 Feb 04
Time: 0852 to 0922
Shift#: 394
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 4-6 ft
Air Temperature: 54°F - UC - 42°F
Wind Speed/Direction: SE @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 0852
Depth: 40.9
Speed Mid-Tow: 3.5 knots
Latitude: 28° 23 415
Longitude: 96° 17 379
Loran:
Station/Buoys:

END TOW

Time: 0932
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23 485
Longitude: 96° 17 415
Loran:
Station/Buoys: M.13.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - b. drum

15 - C.B.S.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 395

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 Feb 04
Time: 0941 to 1021
Shift#: 395
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6ft
Air Temperature: 53°F
Wind Speed/Direction: SE @ 18-20 kts
Barometric Pressure:

BEGIN TOW

Time: 0941
Depth: 40.6
Speed Mid-Tow: 3.1 knots
Latitude: 28°23 750
Longitude: 96°17 667
Loran:
Station/Buoys:

END TOW

Time: 1021
Depth: 34.2 ft
Total Tow Distance: ft
Latitude: 28° 23 656
Longitude: 96°17 377
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~200 CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 396

SEA TURTLE TRAWLING REPORT

Channel: Matagorda TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 Feb 04
Time: 1034 to 1114
Shift#: 396
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6ft
Air Temperature: 53°F
Wind Speed/Direction: SE @ 15-20 kts
Barometric Pressure:

BEGIN TOW

Time: 1034
Depth: 44.7
Speed Mid-Tow: 3.1 knots
Latitude: 28°23557
Longitude: 96°17445
Loran:
Station/Buoys:

END TOW

Time: 1114
Depth: 46.8 ft
Total Tow Distance: ft
Latitude: 28° 23 548
Longitude: 96° 17 477
Loran:
Station/Buoys: 1&2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

3 - CBJ

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 398

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, Tx. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 Feb 04
Time: 1210 to 1250
Shift#: 398
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-6 FT W/SOME 7's + 8's
Air Temperature: 56°F
Wind Speed/Direction: SE @ 15-25 KN.
Barometric Pressure: 30.05

BEGIN TOW

Time: 1210
Depth: 42.9
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 78.
Longitude: 96° 17 744
Loran:
Station/Buoys: ABOVE 1 + 2

END TOW

Time: 1250
Depth: 39.7 ft
Total Tow Distance: ft
Latitude: 28° 23.772
Longitude: 96° 17.801
Loran:
Station/Buoys: OUTSIDE 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

48 C.B.J.'s
10 CUTLASS FISH
1 GULF PIPE FISH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 399

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 Feb 04
Time: 1300 to 1340
Shift#: 399
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:

Water Temp. 52°F
Wave Height: 3-7 ft w/some 8's
Air Temperature: 56°F
Wind Speed/Direction: SE @ 15-25 kn.
Barometric Pressure: 30.05 ↔

BEGIN TOW

Time: 1300
Depth: 44.1
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 496
Longitude: 96° 17. 392
Loran:
Station/Buoys: Midway in cut #2

END TOW

Time: 1340
Depth: 41.9 ft
Total Tow Distance: ft
Latitude: 28° 23. 274
Longitude: 96° 17. 182
Loran:
Station/Buoys: Sea Buoy MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

37 C.B.J.'s.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 400

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, Tx. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 Feb 04
Time: 1345 to 1425
Shift#: 400
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1119
High Tide Time: 2250
Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-7 ft w/ 8's + 9's occasionally
Air Temperature: 57°F
Wind Speed/Direction: S @ 15-25 kn.
Barometric Pressure: 30.04↓

BEGIN TOW

Time: 1345
Depth: 43.4
Speed Mid-Tow: 2.9 | 3.0 knots
Latitude: 28° 23. 400
Longitude: 96° 17. 192
Loran:
Station/Buoys: MID - CUT

END TOW

Time: 1425
Depth: 48.3 ft
Total Tow Distance: ft
Latitude: 28° 23. 667
Longitude: 96° 17. 412
Loran:
Station/Buoys: NEAR 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

37 C.B.J.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 401

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, Tx. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 FEB 04
Time: 1440 to 1520
Shift#: 401
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

		THURS.
Low Tide Time:	1119	1158
High Tide Time:	2250	2352

Ebb: Flood:
Slack Ebb: x Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-7 FT w/ 8' + 9' occasionally
Air Temperature: 56°F w/ rain
Wind Speed/Direction: S @ 15-25 kn.
Barometric Pressure: 30.02 ↓

BEGIN TOW

Time: 1440
Depth: 47.4
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 331
Longitude: 96° 17. 281
Loran:
Station/Buoys: mid - cut

END TOW

Time: 1520
Depth: 43.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 260
Longitude: 96° 17. 175
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

75 C.B.J.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 402

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, Tx. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 FEB 04
Time: 1528 to 1608
Shift#: 402
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

	TODAY	TOMORROW
Low Tide Time:	1119	1158
High Tide Time:	2250	2352

Ebb: Flood:
Slack Ebb: ✓ Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-6 ft w/ 7' + 8' occ.
Air Temperature: 57°F
Wind Speed/Direction: S @ 10-20 kn.
Barometric Pressure: 30.02 ←→

BEGIN TOW

Time: 1528
Depth: 45.9
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 490
Longitude: 96° 17. 419
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1608
Depth: 39.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 585
Longitude: 96° 17. 366
Loran:
Station/Buoys: OUTSIDE 1 + 2

NUMBER OF TURTLES 6

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

28 C.B.J.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 403

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, Tx. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 FEB 04
Time: 1640 to 1720
Shift#: 403
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

	TODAY	TOMORROW
Low Tide Time:	1119	1158
High Tide Time:	2250	2362

Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-6 FT SOME 7' + 8's
Air Temperature: 58°F
Wind Speed/Direction: S @ 15-20 KN
Barometric Pressure: 30.00 ↓

BEGIN TOW

Time: 1640
Depth: 44.7
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 . 563
Longitude: 96° 17 . 483
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1720
Depth: 39.1 ft
Total Tow Distance: ft
Latitude: 28° 23. 963
Longitude: 96° 17. 772
Loran:
Station/Buoys: MID - CUT

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

2 C.B.J.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 404

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 04 FEB 04
Time: 1731 to 1811
Shift#: 404
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

	TODAY	THURSDAY
Low Tide Time:	1119	1158
High Tide Time:	2250	2352

Ebb: Flood: x
Slack Ebb: Slack Flood
Comments:

Water Temp. 53°F
Wave Height: 3-6 FT. / SOME 7' + 8' S
Air Temperature: 63°F
Wind Speed/Direction: S @ 15-20 KN.
Barometric Pressure: 30.00 ↔

BEGIN TOW

Time: 1731
Depth: 45.7
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23.593
Longitude: 96° 17.507
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1811
Depth: 36.2 ft
Total Tow Distance: ft
Latitude: 28° 23 665
Longitude: 96° 17 787
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - b.drum
4 - C.B.J.

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 405

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 1827 to 1907
Shift#: 405
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1158
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp.
Wave Height: 2-3ft swell
Air Temperature: 52°F
Wind Speed/Direction: NE @ 10 kts
Barometric Pressure:

BEGIN TOW

Time: 1827
Depth: 42.0
Speed Mid-Tow: 3.1 knots
Latitude: 28° 23 687
Longitude: 96° 17 635
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1907
Depth: 32.3 ft
Total Tow Distance: ft
Latitude: 28° 23 560
Longitude: 96° 17 744
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

- left slip at 17:30
2 - croakers
1 - S. stingy
- 30 CBJ.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 406

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 1916 to 1956
Shift#: 406
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1158
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 58°F
Wave Height: 2-3 ft. Swell.
Air Temperature: 55°F
Wind Speed/Direction: NE @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 1916
Depth: 38.6
Speed Mid-Tow: 3.0 knots
Latitude: 28° 23 430
Longitude: 96° 17 400
Loran:
Station/Buoys:

END TOW

Time: 1956
Depth: 36.8 ft
Total Tow Distance: ft
Latitude: 28° 23 900
Longitude: 96° 17 635
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: 0

Logger:
Kemp:
Green:
Other:

Starboard Net: 0

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~20 CBS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 407

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 2006 to 2046
Shift#: 407
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1158
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 2-3ft.
Air Temperature: 55°F
Wind Speed/Direction: NE @ 5-10kts
Barometric Pressure:

BEGIN TOW

Time: 2006
Depth: 44.3
Speed Mid-Tow: 2.6 knots
Latitude: 28° 23 710
Longitude: 96° 17 702
Loran:
Station/Buoys:

END TOW

Time: 2046
Depth: 37.9 ft
Total Tow Distance: ft
Latitude: 28° 23 490
Longitude: 96° 17 322
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~70 CBJ.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 408

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 2054 to 2134
Shift#: 408
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1158
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 2-3ft swells
Air Temperature: 56°F
Wind Speed/Direction: NE @ 5-10 kts
Barometric Pressure:

BEGIN TOW

Time: 2054
Depth: 35.4
Speed Mid-Tow: 2.5 knots
Latitude: 28°23 822
Longitude: 96°17 517
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2134
Depth: 34.6 ft
Total Tow Distance: ft
Latitude: 28°23 706
Longitude: 96°17 463
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~150 CBJ.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 409

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 2141 to 2221
Shift#: 409
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1158
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 2-3ft swell.
Air Temperature: 56°F
Wind Speed/Direction: NE @ 5-10 knots
Barometric Pressure:

BEGIN TOW

Time: 2141
Depth: 38.4
Speed Mid-Tow: 3.2 knots
Latitude: 28°23 476
Longitude: 96°17 304
Loran:
Station/Buoys:

END TOW

Time: 2221
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28°23 450
Longitude: 96° 17 391
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~100 CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 410

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 2231 to 2311
Shift#: 410
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 1-2ft
Air Temperature: 55°F
Wind Speed/Direction: NE 5-knots
Barometric Pressure:

BEGIN TOW

Time: 2231
Depth: 42.9
Speed Mid-Tow: knots
Latitude: 28° 23 567
Longitude: 86° 17 516
Loran:
Station/Buoys:

END TOW

Time: 2311
Depth: 43.3 ft
Total Tow Distance: ft
Latitude: 28° 23 583
Longitude: 86° 17 528
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1-S. stingray
1-burrfish
~50 CBJ.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 411

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain Dan Hardy
Crew:

Date: 05 Feb 04
Time: 2317 to 2357
Shift#: 411
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 56°F
Wave Height: 1-2ft swell
Air Temperature: 55°F
Wind Speed/Direction: NE @ 5-10kts
Barometric Pressure:

BEGIN TOW

Time: 2317
Depth: 43.2
Speed Mid-Tow: 3.0 knots
Latitude: 28°23 715
Longitude: 96° 17 670
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 2357
Depth: 36.7 ft
Total Tow Distance: ft
Latitude: 28° 23 810
Longitude: 96° 17 515
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

57 C.B.j.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 412

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX. Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 06 Feb 04
Time: 0015 to 0055
Shift#: 412
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time:
High Tide Time: 2352
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments:

Water Temp. 55°F
Wave Height: 0-4 ft (Long rollers)
Air Temperature: 59°F
Wind Speed/Direction: SE @ 15-20 kn.
Barometric Pressure: 30.10 ←→
* STRONG CROSS CURRENT E TO W

BEGIN TOW

Time: 0015
Depth: 43.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23 . 566
Longitude: 96° 17 . 508
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0055
Depth: 43.8 ft
Total Tow Distance: ft
Latitude: 28° 23 . 389
Longitude: 96° 17 . 209
Loran:
Station/Buoys: SEA BUOY WB

NUMBER OF TURTLES

Port Net: 0

Logger:
Kemp:
Green:
Other:

Starboard Net: 0

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

13 C.B.J.'s

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 413

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew: RANDY, MIKE, DAVE

Date: 06 FEB 04
Time: 0058 to 0138
Shift#: 413
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233 FRI. 1239
High Tide Time: 2352 THURS.
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments:

Water Temp. 56°F
Wave Height: 0-4 ft. LONG ROLLERS
Air Temperature: 51°F
Wind Speed/Direction: SW @ 5-15 kn.
Barometric Pressure: 30.10 ↔

BEGIN TOW

Time: 0058
Depth: 43.1
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 639
Longitude: 96° 17. 582
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0138
Depth: 44.5 ft
Total Tow Distance: ft
Latitude: 28° 23. 544
Longitude: 96° 17. 524
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 JUV. BLUE CRAB
1 SOUTHERN RAY
1 COW NOSED RAY
12 C.B.J's
1 BLK. DRUM

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 414

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA TX. Vessel: MISS ANNIE Captain DAN HARDY
Crew:

Date: 06 FEB 04
Time: 0155 to 0235
Shift#: 414
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments:
TIDE @ 2.1 @ 0218

Water Temp. 56° F
Wave Height: 0-3 FT / LONG ROLLING SWELLS
Air Temperature: 51° F
Wind Speed/Direction: NW @ 10-15 KN.
Barometric Pressure: 30.10 ↔
WINDS SHIFTED DURING THIS TOW - NE WINDS @ 25-30 KN. W/ WHITECAPS + 2-4 FT SWELLS.

BEGIN TOW

Time: 0155
Depth: 44.6
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 486
Longitude: 96° 17. 383
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0235
Depth: 42.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 407
Longitude: 96° 17. 161
Loran:
Station/Buoys: MIDWAY IN CUT #2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

6 CBJ's.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 415

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA TX. Vessel: MISS DANA Captain DAL HARDY
Crew:

Date: 06 FEB 04
Time: 0251 to 0331
Shift#: 415
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation ✕
Pre-Dredge:

SUBSTRATE
Mud:
Sand: ✕
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time: NO HIGH UNTIL 07 FEB.
Ebb: Flood:
Slack Ebb: Slack Flood ✓
Comments:

Water Temp. 54 °F
Wave Height: 2-4 FT w/ occ. 5's
Air Temperature: 48°F + FALLING (chill 28°F)
Wind Speed/Direction: N TO NE @ 25-30KN.
Barometric Pressure: 30.10 ↓→

BEGIN TOW

Time: 0251
Depth: 43.6
Speed Mid-Tow: 2.8 knots
Latitude: 28° 23.658
Longitude: 96° 17.586
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0331
Depth: 43.3 ft
Total Tow Distance: ft
Latitude: 28° 23.781
Longitude: 96° 17.783
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 LG. BLK. DRUM
1 BLUNTNOSE RAY
30 C.B.J.'S.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 416

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 FEB 04
Time: 0344 to 0424
Shift#: 417
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: Flood:
Slack Ebb: Slack Flood X
Comments:

Water Temp. 54°F
Wave Height: 2-4 FT.
Air Temperature: 49°F / 29°C w/chill
Wind Speed/Direction: NE @ 20 - 25 kn.
Barometric Pressure: 30.09 ↓

BEGIN TOW

Time: 0344
Depth: 43.8
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 457
Longitude: 96° 17. 361
Loran:
Station/Buoys: MIDWAY IN CUT #2

END TOW

Time: 0424
Depth: 44.2 ft
Total Tow Distance: ft
Latitude: 28° 23. 771
Longitude: 96° 17. 506
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLK. DRUM
16 C.B. JELLIES

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 417

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 FEB 04
Time: 0433 to 0503
Shift#: 417
Dredge Location: CHANNEL
Total Tow Time: * 30 min.
SEE COMMENTS

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time: NO HIGH UNTIL SAT. 07 FEB. 04
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:
TIDE @ 1.94 @ 0436 AM

Water Temp. 54°F
Wave Height: 2-4 FT (SUBSIDING)
Air Temperature: 47°F WIND CHILL @ 27°F
Wind Speed/Direction: NE @ 25-30 KN
Barometric Pressure: 30.10 ↑

BEGIN TOW

Time: 0433
Depth: 42.9
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 687
Longitude: 96° 17. 667
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0503
Depth: ft
Total Tow Distance: ft
Latitude: 28° 23. 834
Longitude: 96° 17. 217
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

*
→ TWO LARGE VESSELS WILL BE IN CHANNEL BETWEEN 0500 – 0530. MAY PICK UP EARLY OR CONTINUE TO TOW UPCURRENT OUTSIDE CHANNEL ASIDE DREDGE.

6 C.B. JELLIES

1 JUV. SEA BASS

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 418

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS TANYA Captain DAN HARDY
Crew:

Date: 06 FEB 04
Time: 0634 to 0714
Shift#: 418
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4 ft
Air Temperature: 48°F / WIND CHILL @ 28°F
Wind Speed/Direction: NNE @ 20-30 kn.
Barometric Pressure: 30.09 ↔

BEGIN TOW

Time: 0634
Depth: 41.1
Speed Mid-Tow: knots
Latitude: 28° 23.580
Longitude: 96° 17.482
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 0714
Depth: >4.3 ft
Total Tow Distance: ft
Latitude: 28° 23.662
Longitude: 96° 17.440
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~15 CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 419

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 FEB 04
Time: 0725 to 0805
Shift#: 49
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-4ft whitecaps
Air Temperature: 48°F
Wind Speed/Direction: N @ 20-25 Kts
Barometric Pressure: -

BEGIN TOW

Time: 0728
Depth: 40.7
Speed Mid-Tow: 3.5 knots
Latitude: 28° 23 480
Longitude: 96° 17 385
Loran:
Station/Buoys:

END TOW

Time: 0805
Depth: 40.8 ft
Total Tow Distance: ft
Latitude: 28° 23 315
Longitude: 96° 17 212
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

~20 CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 420

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 Feb 04
Time: 0822 to 0902
Shift#: 420
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-3ft chop
Air Temperature: 48°F
Wind Speed/Direction: N @ 15-20 kts Gusts 30 kts
Barometric Pressure:

BEGIN TOW

Time: 0822
Depth: 37.8
Speed Mid-Tow: 3.5 knots
Latitude: 28° 23 537
Longitude: 96° 17 441
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 0902
Depth: 38.6 ft
Total Tow Distance: ft
Latitude: 28° 23 418
Longitude: 96° 17 404
Loran:
Station/Buoys: Mid.

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 - CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 421

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 Feb 04
Time: 0914 to 0954
Shift#: 421
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation x
Pre-Dredge:

SUBSTRATE
Mud:
Sand: x
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: x Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-3 ft whitecaps
Air Temperature: 50°F – WC – 30°F
Wind Speed/Direction: N @ 25-30 kts
Barometric Pressure:

BEGIN TOW

Time: 0914
Depth: 40.1
Speed Mid-Tow: 2.4 knots
Latitude: 28° 23 380
Longitude: 96° 17 335
Loran:
Station/Buoys: Mid.

END TOW

Time: 0954
Depth: 34.2 ft
Total Tow Distance: ft
Latitude: 28° 23 661
Longitude: 96° 17 393
Loran:
Station/Buoys: 1 & 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 - S. Stingray
7 - C.B.J.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 422

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 Feb 04
Time: 1004 to 1044
Shift#: 422
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-3 ft
Air Temperature: 50° - WC -32°F
Wind Speed/Direction: NE 20-25 kts
Barometric Pressure: -

BEGIN TOW

Time: 1004
Depth: 40
Speed Mid-Tow: 2.5 knots
Latitude: 28° 23 652
Longitude: 96° 17 656
Loran:
Station/Buoys: 1 & 2

END TOW

Time: 1044
Depth: 34. ft
Total Tow Distance: ft
Latitude: 28° 23 162
Longitude: 96° 17 501
Loran:
Station/Buoys:

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

5 - CBS.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 423

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 Feb 04
Time: 1051 to 1131
Shift#: 423
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-3 ft Whitecaps
Air Temperature: 50°F — 33°F UC
Wind Speed/Direction: N @ 28-32
Barometric Pressure:

BEGIN TOW

Time: 1051
Depth: 34.2
Speed Mid-Tow: 2.7 knots
Latitude: 28° 23 879
Longitude: 96° 17 561
Loran:
Station/Buoys:

END TOW

Time: 1131
Depth: 36.2 ft
Total Tow Distance: ft
Latitude: 28° 23 512
Longitude: 96° 17 230
Loran:
Station/Buoys: Mid

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

10 - CB.S.

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 424

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 Feb 04
Time: 11:55 to 1235
Shift#: 424
Dredge Location: CHANNEL
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: X Flood:
Slack Ebb: Slack Flood
Comments:

Water Temp. 54°F
Wave Height: 2-3 ft choppy
Air Temperature: 55°F
Wind Speed/Direction: NE @ 25-30 kts
Barometric Pressure:

BEGIN TOW

Time: 11:55
Depth: 39.5
Speed Mid-Tow: knots
Latitude: 28° 23 367
Longitude: 96° 17 244
Loran:
Station/Buoys:

END TOW

Time: 12:35
Depth: 41.2 ft
Total Tow Distance: ft
Latitude: 28° 23 344
Longitude: 96° 17 188
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

Ø BYCATCH

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 425

SEA TURTLE TRAWLING REPORT

Channel: Matagorda Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 06 Feb 04
Time: 1240 to 1320
Shift#: 425
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: X Flood:
Slack Ebb: X Slack Flood
Comments:
TIDE @ 1.04

Water Temp. 54°F
Wave Height: 2-4 ft. Choppy
Air Temperature: 57°F
Wind Speed/Direction: NE - 25 - 30 kn
Barometric Pressure: 30.25

BEGIN TOW

Time: 1240
Depth: 42.5
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 612
Longitude: 96° 17. 531
Loran:
Station/Buoys: 1 + 2

END TOW

Time: 1320
Depth: 39.8 ft
Total Tow Distance: ft
Latitude: 28° 23. 424
Longitude: 96° 17. 262
Loran:
Station/Buoys: SEA BUOY MB

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

1 BLK. DRUM

14 C.B.J'S

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 426

SEA TURTLE TRAWLING REPORT

Channel: MATAGORDA, TX. Vessel: MISS ANNA Captain DAN HARDY
Crew:

Date: 06 FEB 04
Time: 1343 to 1423
Shift#: 426
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time:
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:
TIDE @ 1.04

Water Temp. 54°F
Wave Height: 2-3 FT + CHOPPY
Air Temperature: 59°F W/ 45° wd. chill
Wind Speed/Direction: NE @ 20-30 kn.
Barometric Pressure: 30.25 ↔

BEGIN TOW

Time: 1343
Depth: 43.2
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 431
Longitude: 96° 17. 312
Loran:
Station/Buoys: SEA BUOY MB

END TOW

Time: 1423
Depth: 43.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 788
Longitude: 96° 17. 599
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

44 C.B.J.'S

Updated 10-01

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

TOW #: 427

SEA TURTLE TRAWLING REPORT

Channel: Matagorda, TX Vessel: Miss Anna Captain Dan Hardy
Crew:

Date: 06 FEB 04
Time: 1435 to ~~1515~~ 1447
Shift#: 427
Dredge Location: Channel
Total Tow Time: 40 min.

Survey:
Relocation X
Pre-Dredge:

SUBSTRATE
Mud:
Sand: X
Rocks:
Snag:
Other:

Low Tide Time: 1233
High Tide Time: no high tide today
Ebb: Flood:
Slack Ebb: X Slack Flood
Comments:
TIDE @ 1.04 ft - HAZEN REPORT

Water Temp. 54°F
Wave Height: 1-2 ft slightly choppy
Air Temperature: 59°F
Wind Speed/Direction: NE @ 15-20 kn.
Barometric Pressure: 30.27 ↑

BEGIN TOW

Time: 1435
Depth: 44.9
Speed Mid-Tow: 2.9 knots
Latitude: 28° 23. 654
Longitude: 96° 17. 365
Loran:
Station/Buoys: 1 + 2

END TOW

Time: ~~1515~~ 1447
Depth: 43.7 ft
Total Tow Distance: ft
Latitude: 28° 23. 447
Longitude: 96° 17. 362
Loran:
Station/Buoys: 1 + 2

NUMBER OF TURTLES

Port Net: Ø

Logger:
Kemp:
Green:
Other:

Starboard Net: Ø

Logger:
Kemp:
Green:
Other:

BY CATCH/COMMENTS

LAST TOW 17 C-B.J's.

Updated 10-01