

Resc/Dth
6/8/16 6/15/16

Rescue Report

REC1612

*Undetermined
(Emaciated +
buoyant -
unknown
origin)*

GENERAL

| | | |
|--|------------------------------------|---|
| Date of Rescue: 08 June 2016 | Date of Initial Call: 04 June 2016 | Filed by: W. Greer |
| Rescue ID: REC1612 | Facility ID: SWFTm1614b | Other ID: |
| FWC Case Number: 7023,6849,6843 | FWC Region: NE | |
| Sex: Male | Length: 247 cm | Estimated: No |
| | Weight: 267.6 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Merritt Island |
| | | Waterway: Sykes Creek |
| Latitude (Decimal Degrees): 28.34318° N | | Longitude (Decimal Degrees): -80.68576° W |
| Locality Description: approximately 165 m ESE of 810 Kemp Street | | |
| Method of Capture: Land based net set | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u>Positively buoyant with no obvious watercraft wounds, emaciated</u> | |

All Other

Describe: floating with its left side out of water, almost sideways; unable to submerge; rib outlines visible; peanut-shaped head

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|--------------|--|
| 04 June 2016 | At 1508 hrs, FWC biologist-Amber R. Howell (ARH) received a text alert from FWC NE Dispatch-Orlando regarding a distressed manatee in a canal near Yawl Drive in Cocoa Beach, Brevard County. FWC case number 6843 was assigned. The complainant, Tanya (321-759-8434), said that the manatee was listing to one side and was unable to submerge. At 1527 hrs, ARH contacted FWC biologist-William D. Greer (WDG) about searching for the manatee the following morning using the ECFL Key West, WDG agreed. |

Rescue Report

REC1612

At 1711 hrs, FWC biologist-Denise M. Boyd (DMB) received a text alert from FWC NE Dispatch-Orlando regarding a distressed manatee in a canal near Minuteman Causeway in Cocoa Beach, Brevard County. FWC case number 6849 was assigned. The complainant, Julie Prytherch (321-412-8070), said that the manatee was listing to one side and was unable to submerge. The complainant sent DMB a photo of the manatee. DMB forwarded the photo to ARH and WDG.

05 June 2016

At 0945 hrs, WDG and FWC volunteer-Leesa L. Whittlef (LLW) left the Ramp Road boat ramp in Cocoa Beach and began searching by boat for the manatee at the location it was reported on 04 June. No sign of the distressed manatee was seen, WDG and LLW concluded the search at 1305 hrs.

08 June 2016

At 1037 hrs, WDG received a text alert from FWC NE Dispatch-Orlando regarding a distressed manatee in Merritt Island, Brevard County. FWC case number 7023 was assigned. The complainant, Phil Galloway (321-821-8513), said that the manatee was bloated, listing to one side, and was unable to submerge. WDG was in Melbourne at the time and took a kayak to the area it was reported. At 1049 hrs, WDG contacted SWF biologist-Randy W. Runnels (RWR) to see if they had staff available for a boat rescue if needed. RWR said they were ready to respond if needed. At 1055 hrs, WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) to advise him of the situation and that WDG would call back once he was able to access the animal. At 1130 hrs, WDG found the animal which was listing with the left side elevated and rib outlines visible along the body. WDG contacted AJG who agreed the animal should be rescued. At 1132 hrs, WDG contacted RWR but RWR said they were no longer available for a rescue that day but would be available the following day. At 1133 hrs, WDG contacted FWC biologist-Danielle E. Carter (DEC) to discuss attempting a land set rescue with FWC staff and volunteers. DEC agreed and WDG began calling volunteers while DEC left Melbourne to go to the field station to get the transport truck and gear. While waiting for volunteers and DEC to arrive, WDG kept the manatee corralled near the kayak launch using a kayak. At 1310 hrs, DEC arrived at the location. At 1400 hrs, the animal was captured on the first land based net set, with WDG guiding the animal into the area the net was deployed. At 1515 hrs, DEC, WDG, and FWC volunteer-Joe A. Wolf arrived at Sea World.

PARTICIPANTS

FWC EC: W. Greer, D. Carter

FWC Volunteers: L. Cross, J. Wolf

Day Volunteers: C. Cross, N. Katz, R. Katz, Jonathan Katz, Jill Katz, M. Lewis, D. Wedel

Edited by:

DJS
AJG

(Rev: 03/18/2013)

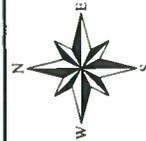


Verified Response Location of Manatee Rescue REC1612

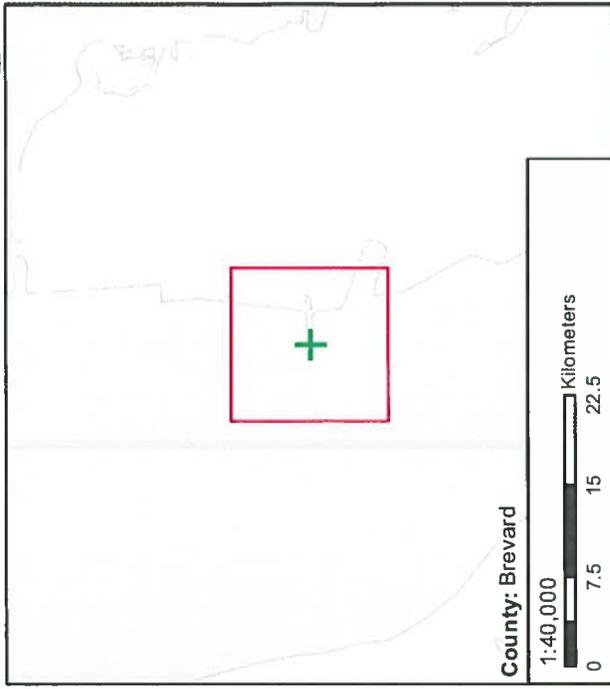
Map Created 10/12/2016

Facility ID: SWFTm1614b

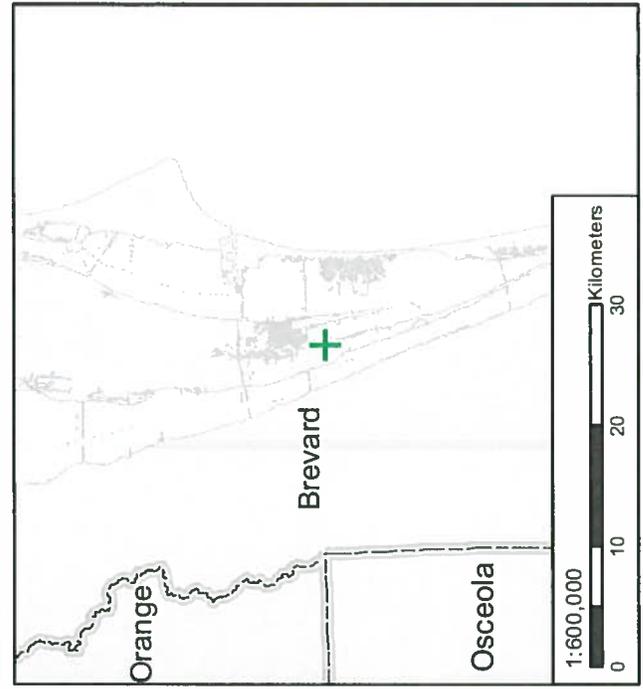
Rescue Date: 6/8/2016



Locality Description:
approximately 165 m ESE of 810 Kemp Street



County: Brevard



Latitude: 28.34318°N

Longitude: -80.68576°W

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: SWFTm1614b
Date of Report: 2016-Jun-15
Filed By: FWC MMPL

FWC Case # 7023

FWC Region: NE

Sex: Male

Length: 253 cm

Weight: 284.0 kg

DATE REPORTED: 2016-Jun-15

By: SeaWorld-Randy Runnels to FWC-DEC

DATE COLLECTED: 2016-Jun-15

By: MMPL-MdW

DATE NECROPSIED: 2016-Jun-16

By: MMPL-MdW, KJR, GLL, ALP

LOCATION: State: FL

Latitude: N

County: Brevard

Longitude: W

Waterway: Sykes Creek

Locality description: Merritt Island, approximately 165 m ESE of 810 Kemp Street.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Undetermined: Other

EXPLAIN: Emaciated; Depleted fats; Serous fats; Torn hemidiaphragm(s); Collapsed lung(s); Folded lungs; Loose colon contents in abdomen, left pleural cavity; Distended, fluid-filled colon; Complete stricture of distal colon associated with thickened colon wall; Torn colon; Friable right ventricle with thickened valves and crumbly, gassy blood contents; Congested urinary bladder mucosa, peritoneum, mesenteries, fat, colon, small intestine; Small intestine mucosa coated with tan material; Wet upper GI contents; Fluid-filled cecum; Atrophied liver lobe.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Scar, Fluke, Cranial, Internal.

MATERIALS COLLECTED:

Genetics, Earbone, ELISA toxicology samples, Archive toxicology samples, Histology. UF-Jonathan Cowart samples: reproductive tract.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Histology report. Rescue report.

REMARKS:

PIT tag scan negative. Died on 15 Jun 2016. Died at 1245 hrs. Died in facility. Monofilament in colon. Yarn in colon. Thorascopy lesions. Small hematoma on lung; Skin lesions on flippers. See rescue report REC1612, captured on 08 June 2016. Also FWC case numbers 6843 and 6849.

| | |
|-----------------|-------------|
| Page 1&2 | 17 MAY 2017 |
| Necropsy Report | 17 MAY 2017 |
| Lat/Long | 17 MAY 2017 |

Asst. + Rel

Bassett, Brandon

From: Carter, Dani
Sent: Friday, June 24, 2016 1:18 PM
To: Szemer, Donna
Cc: Bassett, Brandon
Subject: REC1613 Prelim

*Entanglement
Crab trap*

General

| | | | | |
|---|-----------------------------------|---|------------------------------|------------|
| Date of Rescue: 22 Jun 2016 | Date of Initial Call: 22 Jun 2016 | Filed by: Danielle E. Carter | | |
| Rescue ID: REC1613 | Facility ID: | Other ID: | | |
| FWC Case Number: 7702 | | FWC Region: NE | | |
| Sex: Unk. | Length: NT cm | Estimated: | Weight: NT kg | Estimated: |
| PIT Tag Present: Unk. | PIT Tag Applied: | R: | L: | |
| State: FL | City: New Smyrna Beach | County: Volusia | Waterway: Indian River North | |
| Latitude (Decimal Degrees): 28.948551° N | | Longitude (Decimal Degrees): 80.838841° W | | |
| Locality Description: Approx. 60 meters SSE of 6700 Turtle mound Rd. | | | | |
| Method of Capture: Disentanglement, no capture required, Citizen Rescue | | | | |

Reason for Rescue

Entanglement.
Citizen rescue with FWC officer present. Released on site.

Dani Carter

Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Melbourne Marine Mammal Research Lab
4020 S. Hwy A1A
Melbourne Beach, FL 32951
Dani.Carter@myfwc.com
Cell: (321)228-5283

Rescue Report

REC1613

*Entanglement
Crab trap*

GENERAL

| | | |
|--|------------------------------------|---|
| Date of Rescue: 22 June 2016 | Date of Initial Call: 22 June 2016 | Filed by: D. Carter |
| Rescue ID: REC1613 | Facility ID: | Other ID: |
| FWC Case Number: 7702 | FWC Region: NE | |
| Sex: Unk | Length: 245 cm | Estimated: Yes |
| | Weight: NT | Estimated: |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: L: |
| State: FL | County: Volusia | City: New Smyrna Beach |
| | | Waterway: Indian River North |
| Latitude (Decimal Degrees): 28.94855° N | | Longitude (Decimal Degrees): -80.83886° W |
| Locality Description: Approximately 60 m SSE of 6700 Turtle mound Rd. | | |
| Method of Capture: Officer-assisted, citizen rescue; Pulled line off manatee from shore (in water, from shore) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

Gear Type: (Check all that apply)

| | |
|--|--|
| <input type="checkbox"/> Monofilament Line | <input type="checkbox"/> Polyprop/Nylon Line |
| <input type="checkbox"/> Hook | <input type="checkbox"/> Buoy |
| <input type="checkbox"/> Sinker | <input checked="" type="checkbox"/> Trap |
| <input type="checkbox"/> Net | <input checked="" type="checkbox"/> Other: Thin, cotton rope |

Location of Entanglement: Whole body

If Crab Pot:
 Float#: None Color: Line Type: Cotton

Damage from Gear:

| | |
|--|---|
| <input checked="" type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions |
| <input type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: ___ cm |

Comments:

Gear Retained? Yes No

Rescue Report

REC1613

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|--------------|---|
| 22 June 2016 | At 1113 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee near JB's Fish Camp in New Smyrna Beach, Volusia County. FWC case number 7702 was assigned. DEC requested FWC LE assistance. The complainant, Brett (615-579-7517), said the manatee was tangled and rolling around in rope and the rope was attached to a tree. FWC Ofc. Megan Malicoat was dispatched to investigate the situation. DEC received verification photos from the complainant at 1150 hrs. Ofc. Malicoat called DEC at 1153 hrs and said the manatee was free from the line. Ofc. Malicoat said that she tugged on the line and the animal rolled out and disentangled itself. The line was attached to a homemade crab trap found between mangrove roots. Ofc. Malicoat examined the trap, but was unable to find an identification number. All gear was removed and disposed of to eliminate possible future entanglements. |

PARTICIPANTS

FWC EC: D. Carter
FWC LE: Ofc. Megan Malicoat
Citizens

Edited by:

DJS
AJG

(Rev: 03/18/2013)

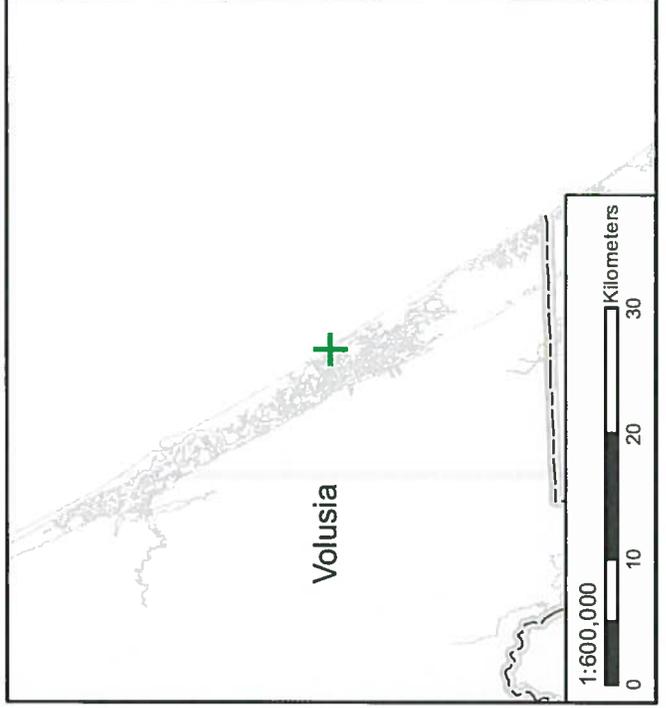
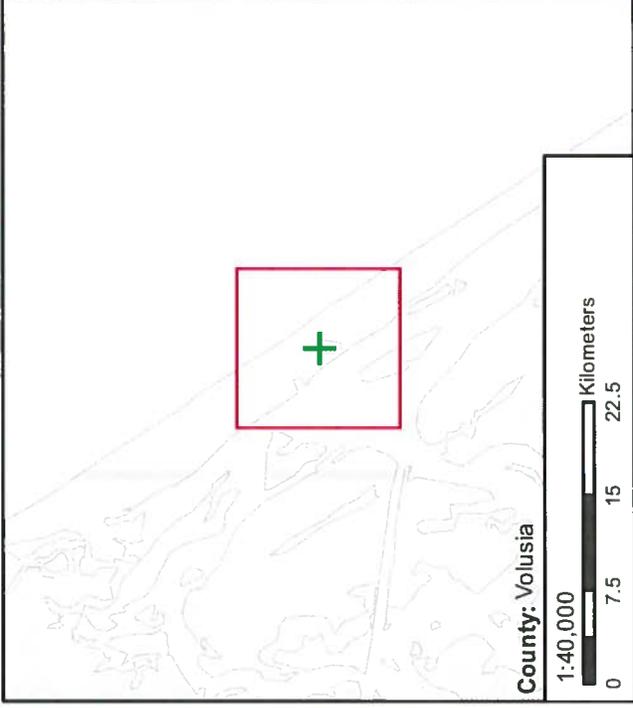


Verified Response Location of Manatee Rescue REC1613

Map Created 10/12/2016

Facility ID: N/A

Rescue Date: 6/22/2016



Locality Description:
approximately 60 m SSE of 6700 Turtle mound Road.

Latitude: 28.94855°N

Longitude: -80.83886°W

Rescue Report

REC1614

*Natural
Banana Tree*

GENERAL

| | | | | |
|---|------------------------------------|---|------------------------|----------------|
| Date of Rescue: 30 June 2016 | Date of Initial Call: 30 June 2016 | Filed by: W. Greer | | |
| Rescue ID: REC1614 | Facility ID: N/A | Other ID: | | |
| FWC Case Number: 8104 | | FWC Region: NE | | |
| Sex: Unknown | Length: 215 cm | Estimated: Yes | Weight: 225 kg | Estimated: Yes |
| PIT Tag Present: Unknown | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Merritt Island | Waterway: Banana River | |
| Latitude (Decimal Degrees): 28.33485° N | | Longitude (Decimal Degrees): -80.66164° W | | |
| Locality Description: approximately 65 m SE from 1260 Wendy Ave | | | | |
| Method of Capture: Disentangled by hand from kayak | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u>entangled in banana tree</u> | |

All Other

Describe: right flipper entangled in and trailing an approximately 10 foot and 30 lb dead banana tree, unable to submerge

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photo of banana tree | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|--------------|---|
| 30 June 2016 | At 0800 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee in a canal behind Newfound Harbor Drive in Merritt Island, Brevard County. FWC case |

Rescue Report

REC1614

number 8104 was assigned. The complainant, Donna (609-947-2210), said that she had been watching the manatee for about 30 minutes, and it was trailing an approximately six foot section of banana tree and having trouble submerging. At 0811 hrs, the complainant sent WDG a photo via text to confirm that the manatee was trailing the banana tree. At 0855 hrs, the complainant called WDG to advise him the manatee had left the canal behind her residence and was headed north in the Banana River and was still trailing the banana tree. At 0857 hrs, WDG requested FWC LE assistance to take him to the location the manatee was reported. FWC Ofc. Luce agreed. At 1005 hrs, WDG and Ofc. Luce launched from Kiwanis Park in Merritt Island and searched the surrounding area until 1145 hrs. At 1153 hrs, Ofc. Luce was advised by Dispatch that a new, unnamed, complainant had sighted the manatee at Banana River Marina. At 1205 hrs, WDG and Ofc. Luce arrived at Banana River Marina. At 1215 hrs, WDG contacted FWC Rescue Coordinator-Andy J. Garrett (AJG) to advise him that WDG had eyes on the animal but could not see the entanglement well. WDG and AJG agreed that WDG should approach by kayak to analysis the situation. At 1220 hrs, WDG launched a kayak and approached the manatee repeatedly. The manatee slowly tried to swim away from the kayak. WDG could not see any rope or other line around the right flipper, where the tree was entangled. WDG grabbed the tree to get the manatee to come to the surface to better inspect the flipper. As the manatee came to the surface, its nose touched the front of the kayak and the manatee gave a powerful and quick tail stroke to get away. The majority of the tree came loose and all that remained was an approximately 18 inch strand of the leafy section of the tree. WDG approached again and the manatee swam away under the boat dock. Once on the other side of the dock, the leafy section was seen floated to the surface. The manatee was not seen again by WDG or Ofc. Luce so complete certainty that all vegetation was removed is not possible. WDG collected the large piece of the banana tree and transported it to the field station to photograph and dispose.

PARTICIPANTS

FWC EC: William D. Greer

FWC LE: Ofc. Luce

Edited by:

DJS

AJG

(Rev. 03/18/2013)



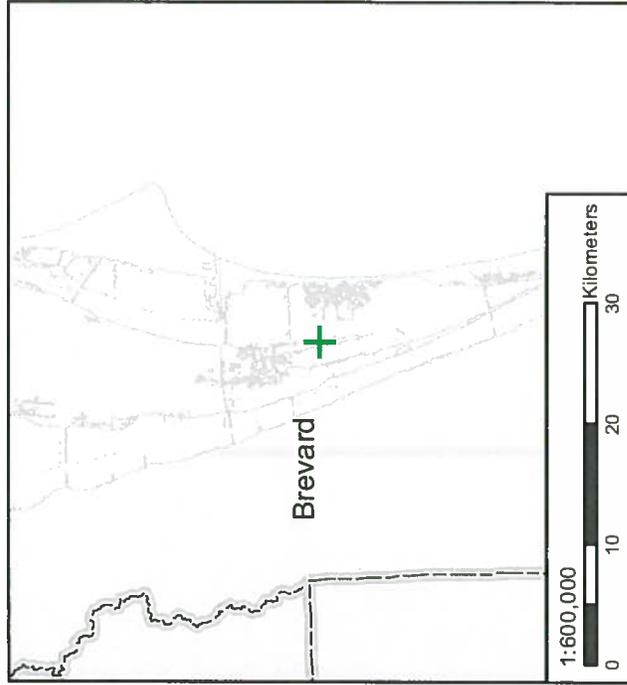
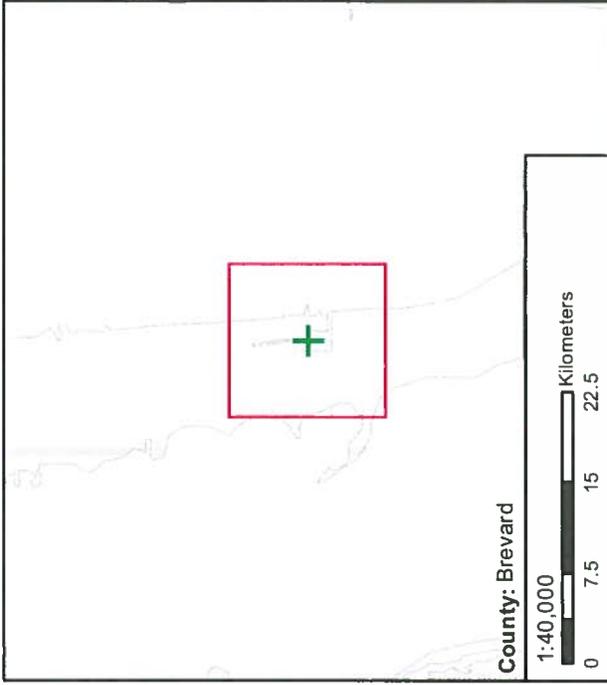
Verified Response Location of Manatee Rescue REC1614



Rescue Date: 6/30/2016

Facility ID: N/A

Map Created 10/12/2016



Locality Description:
approximately 65 m SE of 1260 Wendy Avenue

Latitude: 28.33485°N

Longitude: -80.66164°W

Asst. + Rel.

*Natural
Banana tree*

GENERAL

REC1614

| | | |
|---|--|----------------------|
| Date of Rescue: 30 June 2016 | Date of Initial Call: 30 June 2016 | Filed by: W. Greer |
| Rescue ID: REC1614 | Facility ID: N/A | Other ID: |
| FWC Case Number: 8104 <i>215</i> | FWC Region: NE | |
| Sex: Unknown | Length: 213 <i>215</i> cm | Estimated: Yes |
| Weight: 227 kg | Estimated: Yes | |
| PIT Tag Present: Unknown | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Merritt Island |
| Waterway: Banana River | | |
| Latitude (Decimal Degrees): 28.3348306° N | Longitude (Decimal Degrees): -080.6616528° W | |
| Locality Description: Merritt Island , approximately 65 m SE from 1260 Wendy Ave | | |
| Method of Capture: Disentangled from kayak | | |

Check one of the following:

| | | |
|-------------|--|--------------------|
| Watercraft | <input checked="" type="checkbox"/> Entanglement | Entrapment (Human) |
| Cold Stress | Red Tide | Tidally Stranded |
| Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u><i>entangled in banana tree</i></u> | |

REASON FOR RESCUE: MANATEE WAS ENTANGLED IN AND TRAILING APPROXIMATELY 10 FT AND 30 LBS OF DEAD BANANA TREE AROUND RIGHT FLIPPER. IT WAS UNABLE TO FREELY SUBMERGE.

(Outcome): Successful disentanglement; released on scene.

Rescue
8/17/16

Rescue Report

REC1616

Calf by itself

GENERAL

Date of Rescue: 17 August 2016 Date of Initial Call: 17 August 2016 Filed by: D.Carter/W.Greer
 Rescue ID: REC1616 Facility ID: SWFTm1616b Other ID:
 FWC Case Number: 10497 FWC Region: NE
 Sex: Male Length: 107 cm Estimated: No Weight: 19.5 kg Estimated: No
 PIT Tag Present: No PIT Tag Applied: R: L:
 State: FL City: Merritt Island County: Brevard Waterway: Sykes Creek
 Latitude (Decimal Degrees): 28.36860° N Longitude (Decimal Degrees): 80.69064° W
 Locality Description: Approximately 15 m NNW of 450 Riverside Ave.
 Method of Capture: Land based hoop net

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

All Other

Describe: Very small calf swimming alone, staying close to docked boat. Observed for two hours without adult.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|----------------|--|
| 17 August 2016 | At 0907 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding a possible orphan calf behind 450 Riverside Ave. in Merritt Island, Brevard County. FWC case number 10497 was assigned. The complainant, Jim (407-252-6571), said the calf was two feet long, staying close to his boat, and there were no other manatees nearby. WDG |

received a verification photo from the complainant at 0925 hrs and asked him to call back in 90 minutes if the calf was still alone. WDG advised MMPL biologist-Andrew J. Garrett (AJG), SWF-Randy Runnells, and FWC biologist-Danielle E. Carter (DEC) of the possible rescue. R. Runnells confirmed that there was space for the calf, if rescued. At 1045 hrs, the complainant called back and advised WDG that there was an adult manatee in the area, but the calf didn't respond to it. At 1116 hrs, WDG called the complainant who stated the adult manatee had left the area and the calf was still hanging around his boat. AJG and WDG agreed that an intervention was required and arrived on site with DEC and FWC administrator-Leslie Ward at 1255 hrs. At 1315 hrs, AJG and WDG used a hoop net to capture the calf on the first attempt. The calf was transferred into a trough and placed in the transport truck. At 1430 hrs, WDG and DEC arrived at SeaWorld and the calf was transferred to a rehab pool.

PARTICIPANTS

FWC EC: Danielle. E. Carter, William D. Greer

FWC MMPL: Andrew J. Garrett

FWC FWRI: Leslie Ward

Edited by:

DJS
AJG

(Rev: 03/18/2013)

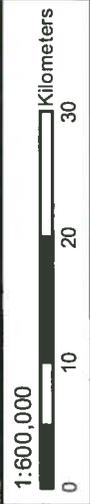
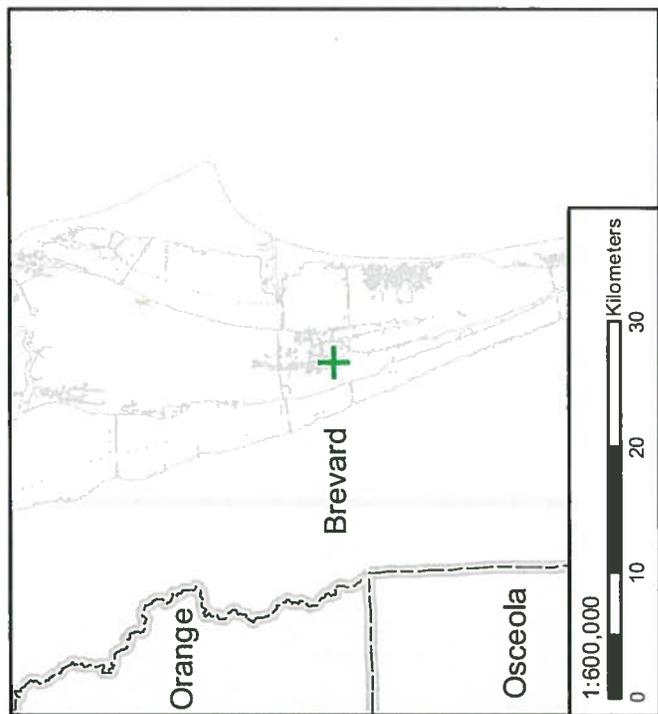
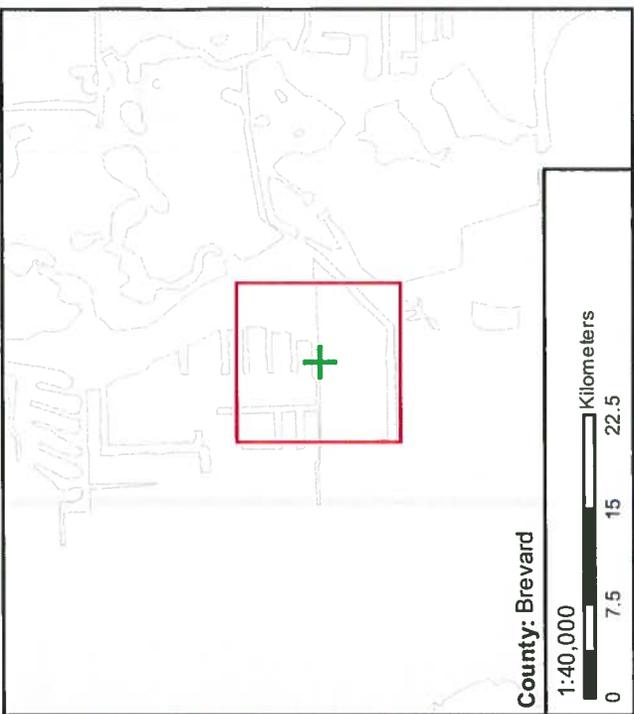


Verified Response Location of Manatee Rescue REC1616

Rescue Date: 8/17/2016 Facility ID: SWFTm1616b Map Created 11/3/2016



Locality Description:
approximately 15 m NNW of 450 Riverside Ave



Latitude: 28.3686°N Longitude: -80.69064°W

Resc

From: Garrett, Andy
Sent: Wednesday, August 17, 2016 5:25 PM
To: (Group)
Subject: Rescue Updates

SWFTM16
REC1616

Fort Myers Beach: RSW1618

The 8 ft excessively buoyant manatee with a watercraft injury in Fort Myers Beach was captured mid-day today and was transported to Lowry Park Zoo.

Merritt Island: REC1616

This morning, the FWC-ECFL received a report of a lone 2 ft manatee in Merritt Island that was observed nuzzling a large boat behind a residence. A FWC rescue team responded and captured the 107 cm male manatee after confirming no other manatees were in the area. The manatee was transported to Sea World.

From: Garrett, Andy
Sent: Wednesday, August 17, 2016 8:01 AM
To: (Group)
Subject: rescue alert

Fort Myers Beach:

Yesterday evening, the FWC-SWFL received a report of a 5-6 ft excessively buoyant manatee with a watercraft injury (see attached photo).

The manatee has been located again this morning and a rescue is being organized. SWFL staff will be contacting LPZ for rehab.

-Andy

Orphaned manatee finds home at SeaWorld Orlando

REC1616
SWFTM1616b



By WFLA Web Staff Published: August 19, 2016, 12:07 pm



Image courtesy SeaWorld Orlando

ORLANDO, Fla. (WFLA) – SeaWorld Orlando welcomed another baby manatee in need of rehabilitation this week.

The park officials said the manatee was found alone in Sykes Creek near Merrit Island in Brevard County. Florida Fish and Wildlife Conservation Commission crew transported the baby to the SeaWorld Orlando Animal Rehabilitation Center.

The manatee joined two other manatees being rehabilitated at the center right now.

The newest member of the rehab family is 43.5 pounds and 107 centimeters or about 42 inches long.

SeaWorld Orlando veterinarians did a full work up on the male manatee and will continue to monitor his progress with around-the-clock care.

<http://wfla.com/2016/08/19/orphaned-manatee-finds-home-at-seaworld-orlando/>

Resc/Rel
9/29/16 2/5/17
Watercraft

Rescue Report

REC1618

GENERAL

Date of Rescue: 29 September 2016 Date of Initial Call: 10 September 2016 Filed by: D. Carter
 Rescue ID: REC1618 Facility ID: SWFTm1618b Other ID: Copperfield
 FWC Case Number: 11819, 12482, 12554, 12757 FWC Region: NE
 Sex: Male Length: 270 cm Estimated: No Weight: 344 kg Estimated: No
 PIT Tag Present: No PIT Tag Applied: R: L:
 State: FL City: Cocoa Beach County: Brevard Waterway: Banana River
 Latitude (Decimal Degrees): 28.29163° N Longitude (Decimal Degrees): -80.61620° W
 Locality Description: Approximately 90 m SW of 24 West Point Dr.
 Method of Capture: Boat-based net set

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

Watercraft

Check all that apply:

Penetrating Cuts Impact Other
 Describe: Excessively buoyant, listing to left side

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|-------------------|---|
| 10 September 2016 | At 0732 hrs, FWC biologist-Nadia J. Gordon (NJG) received a text alert from FWC NE Disptach-Orlando regarding a manatee that was not submerging near Cocoa Beach, Brevard County. FWC case number 11819 was assigned. The |

Rescue Report

REC1618

| | |
|---------------------|--|
| | <p>complainant, Robin Brothers (321-213-0066), stated that the manatee was large and bloated, with its back up, but looked level. NJG passed the info by email to FWC biologist-Danielle E. Carter (DEC) at 0958 hrs. DEC received photos from the complainant at 1012 hrs. DEC and FWC volunteer-Joe Wolf searched the location, but were unable to locate the manatee. DEC requested that FWC LE officers BOLO for the manatee.</p> |
| 18 September | <p>At 1440 hrs, FWC biologist-William D. Greer (WDG) received a call while off-duty regarding an injured manatee near Cocoa Beach, Brevard County. The complainant, Julie (321-412-8070), said the manatee was injured and could not submerge. At 1451 hrs, the complainant sent WDG videos and a screenshot of the location. At 1458 hrs, WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) about the manatee and to forward photos and videos from the complainant. AJG agreed that the manatee needed to be rescued. At 1502 hrs, WDG called SeaWorld (SWF) about a possible rescue, but SWF was unable to respond due to the time of day.</p> |
| 19 September | <p>At 1045 hrs, WDG and FWC biologist-Sara M. Wappes (SMW) located the injured manatee. At 1051 hrs, WDG contacted AJG. At 1059 hrs, WDG called SWF-Jon Peterson (JP) to request assistance with the rescue and JP agreed. SWF arrived at 1415 hrs and made three unsuccessful boat net sets before the rescue was canceled due to lightning.</p> |
| 20 September | <p>WDG and SMW searched the location the manatee was last seen and the nearby waterways, but were unable to locate it.</p> |
| 23 September | <p>At 0941 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding a manatee unable to submerge near Cocoa Beach, Brevard County. FWC case number 12482 was assigned. The complainant, Joanie Stewart (321-544-4673), sent photos and video to DEC who verified that it was the same animal from the previous rescue attempt. At 1300 hrs, WDG contacted AJG to discuss rescue options and both agreed a land based net set was possible in the canal the manatee was found. At 1500 hrs, DEC, WDG, and FWC volunteers arrived on site and attempted a land-based rescue. After two unsuccessful attempt, the manatee left the area through a culvert.</p> |
| 24 September | <p>At 1254 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding a large manatee that was floating high in the Manatee Cove Marina on Patrick Air Force Base, Brevard County. DEC went to the location and confirmed it was the same manatee. Due to the inability to assemble a rescue team, a rescue was not conducted that day.</p> |
| 28 September | <p>At 1021 hrs, WDG received a text alert from FWC NE Dispatch-Orlando regarding a floating manatee in distress near Cocoa Beach, Brevard County. FWC case number 12757 was assigned. The complainant, Mrs. Morris (321-783-6509), sent photos to WDG at 1040 hrs, but he was unable to see anything</p> |

in the photos. WDG requested an officer to verify the injured manatee, but canceled the request when no officers were in the area. WDG and SMW searched for the manatee by boat, but were unable to locate it. An officer also responded, but did not locate the manatee.

29 September

At 0728 hrs, DEC received a call from a previous complainant, Joanie Stewart (321-544-4673), regarding the same injured, floating manatee that she had seen before near Cocoa Beach, Brevard County. DEC and SMW launched the Key West from Ramp Road boat ramp and located the manatee by 1009 hrs. DEC called AJG to assist with the rescue since he was already in the area with the rescue boat. WDG called SWF to confirm they still had space for the manatee. At 1300 hrs, WDG, AJG, and FWC volunteers arrived at the boat ramp. At 1440 hrs, the manatee was rescued using a boat based net set. At 1625 hrs, WDG, SMW, and volunteers arrived at SeaWorld and the animal was transferred to a medical pool.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC MMPL: Andrew J. Garrett

FWC volunteers: Joe Wolf, Leo Cross, Tanya Morgan, Alicia Mackewicz, Brittany Baldrice

Edited by:

DJS
AJG

(Rev: 03/18/2013)

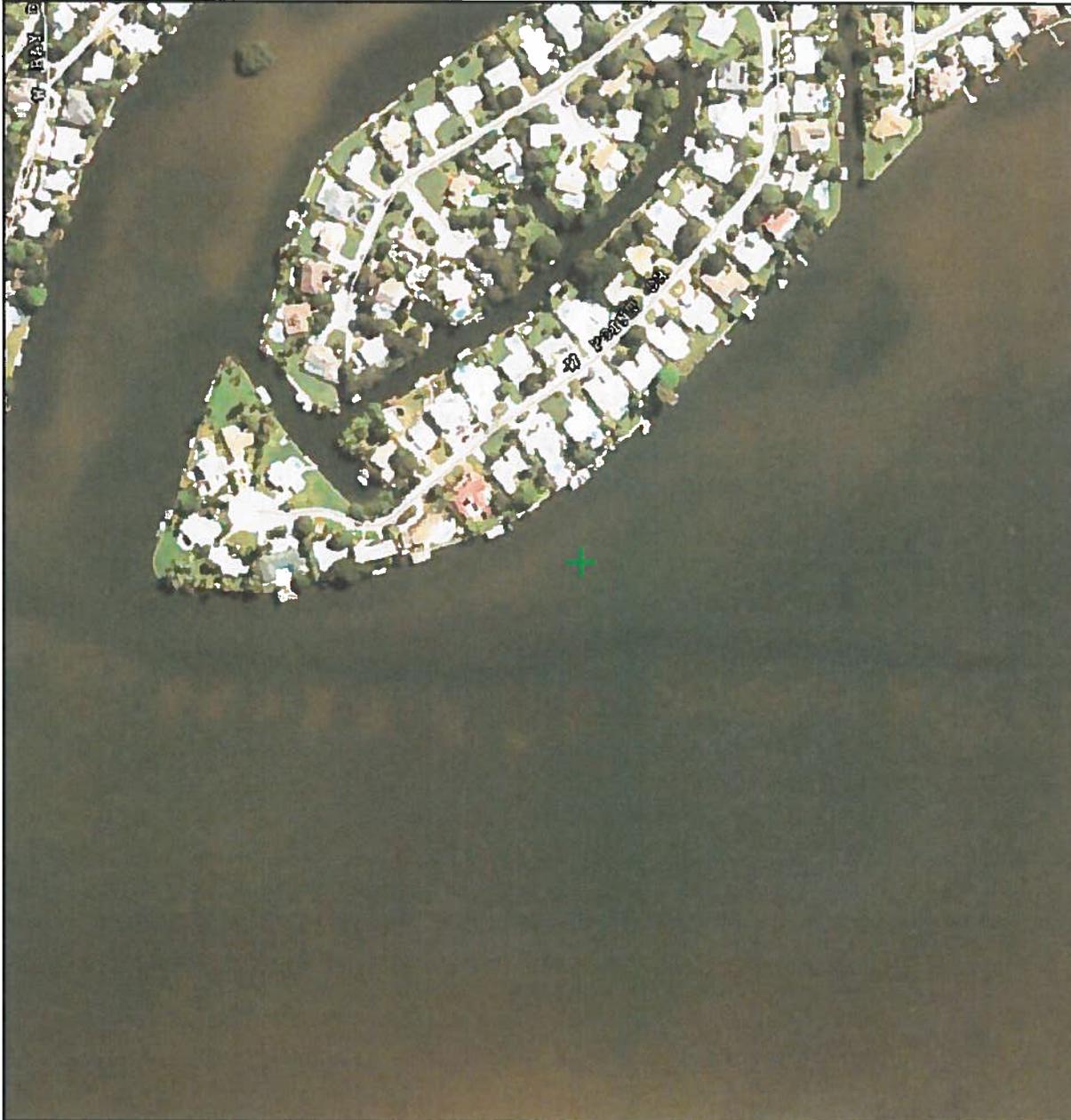


Verified Response Location of Manatee Rescue REC1618

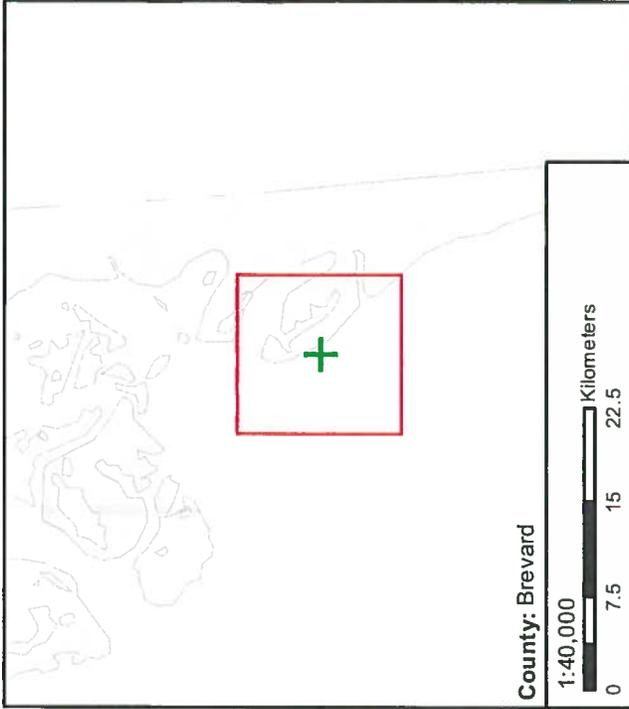
Rescue Date: 9/29/2016

Facility ID: SWFTm1618b

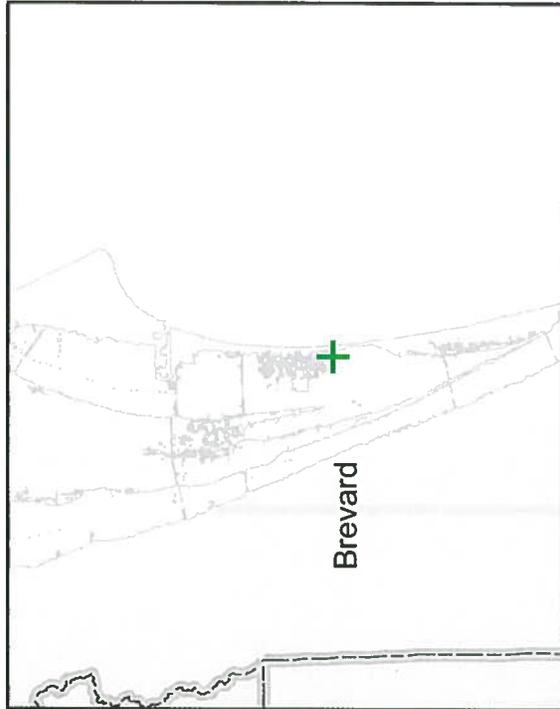
Map Created 2/9/2017



1:600,009
0 12,000 24,000 36,000
Meters



County: Brevard
1:40,000
0 7.5 15 22.5
Kilometers



1:600,000
0 10 20 30
Kilometers

Locality Description:
approximately 90 m SW of 24 West Point Dr

Latitude: 28.29163°N

Longitude: -80.6162°W

Szemer, Donna

From: Garrett, Andy
Sent: Monday, October 03, 2016 8:41 AM
To: Adrienne Atkins; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Barlas, Margie; Bassett, Brandon; Greer, Bill; Bill Hughes; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jim Reid; Jim Valade; Jon Peterson; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Randy Runnells; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Salberg, Leonard; Segelson, Carli; Steve Lehr; Susan Butler; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger
Subject: Rescue Update
Attachments: IMG_1772.jpg

Coco Beach:

On Thursday, a FWC rescue team was finally able to capture the excessively buoyant adult manatee in Coco Beach that had eluded rescuers for over a week. The manatee was transported to Sea World.

Tavernier:

On Saturday evening, the FWC-SEFL received a report of a large adult carcass in Tavernier. From the initial photos, the manatee appeared to have two badly scared and deformed pectoral flippers. The manatee was confirmed to be "Bonnie", a well document chronically entangled (monofilament) manatee that was known throughout the Keys. Bonnie gave birth to twins 4 months ago, and both were observed with her Saturday night.

On Sunday, a rescue team was able to capture both calves, 143 cm male and a 145 cm female (photo attached), and transport them to Miami Seaquarium.

A necropsy will be conducted on Bonnie at the MMPL this morning.

-Andy

From: Garrett, Andy
Sent: Tuesday, September 20, 2016 8:29 AM
To: (Group)
Subject: rescue update

Several unsuccessful attempts were made to catch the buoyant Coco Beach manatee yesterday afternoon. The rescue team had to postpone due to lightning in the area. A FWC team plans to search the area this morning to try and relocate the manatee.

From: Garrett, Andy
Sent: Monday, September 19, 2016 11:13 AM
To: (Group)
Subject: rescue update

Crystal River:

So one detail I left out in Friday's update was that the three adult females captured in the golf course pond were all lactating. This caused some concern with the rescue team, because only two dependent sized calves were captured. After the 7th, and thought to be final, manatee was captured on Thursday afternoon, the team searched the pond for a potential calf for over an hour with no success. All the manatees were released with the understanding that the cow and calf might have been separated during the hurricane and/or when the flood water receded. After release, one of the lactating females, CCR1617, was observed alone.

On Friday morning, maintenance workers on the golf course spotted a small manatee in the pond. USFWS staff responded and trapped the calf in a small skinny canal attached to the main pond. A large manatee was observed pacing on the other side of the entrapment structure with the number "17" grease marked on its head. When the FWC capture team arrived minutes later, CCR1617 (lactating female), was not being observed at the structure, but still thought to be nearby in the canal leading out into Kings Bay. The 188 cm male manatee was captured out of the skinny canal, quickly processed, and released at the structure where CCR1617 was last observed pacing.

Coco Beach:

Yesterday, the FWC received a call of a 10 ft excessively buoyant manatee in Coco Beach. This morning, a FWC team verified the manatee was active and buoyant (could only stay submerged for 10 seconds) (see attached photo). A Sea World rescue team is being mobilized to capture the manatee with FWC this afternoon.



REC1618
SWFTM1618B

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTR16186 Temporary ID: _____ Time Net Set: _____
 Date: 15 FEB 2017 Time Captured(Onboard): _____
 Name: COPPER HOLE (REC1618) Sex: (M) / F Time On Beach: _____
 ID of its Calf / Mom: _____ Latitude: 28.4751028 N Time Released: 1040
 Location: Port St John Boat Ramp Longitude: -080.7665556 W Data Recorder: MARIE CLZE
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = _____ C F Water Temp = _____ C F Wind: _____ mph Cloud Cover: S(PC)MCOR

| | | | |
|----------------------|-----------------------------------|-------------------------------|--------------------|
| MORPHOMETRICS | Weight: (lb) or kg <u>845</u> | Manatee + stretcher | Stretcher weight |
| Lengths | Total Length (curvilinear) (cm) | <u>291</u> | |
| | Total Length (straight) | <u>275</u> | |
| | Snout to Peduncle | <u>190</u> | |
| | Snout to Anus | <u>180</u> | |
| | Snout to Umbilicus | <u>107</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>115</u> cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | <u>135</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>193</u> | |
| | Girth at Axilla: actual or 1/2 | <u>174</u> | |

| | | | | |
|------------------------------|---------------|--------------------|----------|----------|
| ULTRASOUND | | Reader Name: _____ | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | | |
|------------------|---|------------------------------|
| CONDITION | Body Score: 1 2 <u>(3)</u> 4 5 | |
| | Poor Fair Good Very Good Excellent / Undetermined | |
| | Peanut shaped head? Y / <u>(N)</u> | Ribs visible? Y / <u>(N)</u> |
| | Side between anus & peduncle: Rounded / <u>(Flat)</u> / Concave | |
| | Ventrum: Rounded / <u>(Flat)</u> / Concave / Ventral Folds | |
| | Fresh Wounds or Lesions: Y / <u>(N)</u> (describe in comments) | |
| | Person(s) assessing condition: <u>W. GRANT</u> | |

| | |
|-----------------------|---|
| REPROD. STATUS | Pregnant? Y / <u>(N)</u> If so, describe: _____ |
| | Lactating? Y / <u>(N)</u> |

| | |
|----------------|---|
| SAMPLES | Milk sample collected? stored? Y / <u>(N)</u> Refrig / Freeze |
| | Volume of milk collected? / Teat? _____ ml / right left both |
| | Person collecting milk? _____ |
| | Urine? stored? Y / <u>(N)</u> Refrig / Freeze |
| | Fecal? stored? Y / <u>(N)</u> Freeze / 5% NBF / 70% ETOH |
| | Skin? stored? Y / <u>(N)</u> Refrig / Freeze / DMSO |
| | Cookie? Y / <u>(N)</u> Location: _____ |

| | |
|-------------------|--|
| MONITORING | Heartrate: Stethoscope EKG Pulse-Oximeter <u>(None)</u> Data Sheets? Y <u>(N)</u> |
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> Y <u>(N)</u> |
| | Respiratory Rate? <u>(Y)</u> N Y <u>(N)</u> |

Manatee ID SW17m 16185

Manatee Name: COPPER CO

Date: 15 Feb 2017

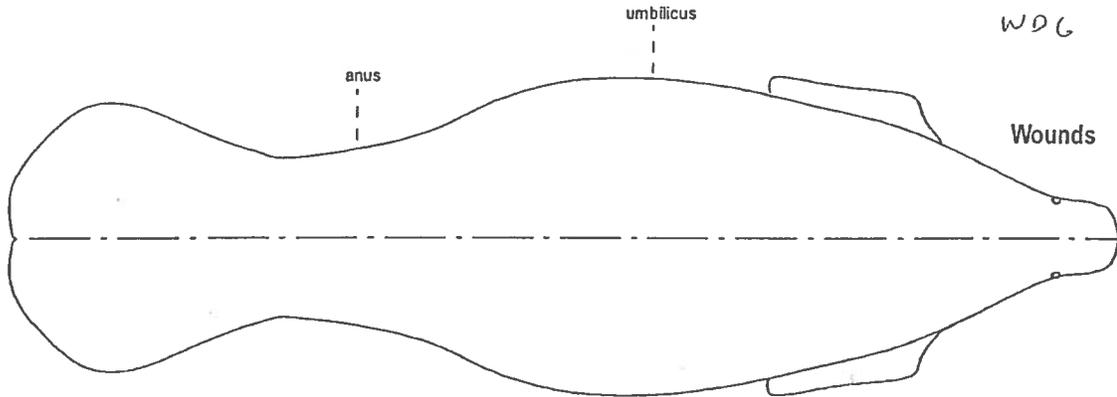
| | | | | |
|---------------------|---------------------------------|--|--|----------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: | | |
| | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| | 1 | | | L / R |
| | 2 | | | L / R |
| | 3 | | | L / R |
| | Drawn by: | | | |
| | # Tubes of Blood Collected | Blue: | Red: | Purple: |
| | | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | PIT tagged at this capture? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | |
| | PIT tagged by: | J. Pefferon on 1/18/17 | | |
| | Right # | 00-0799-F746 | | |
| | Left # | 00-0799-D034 | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC _____ | Length: _____ " | Color: _____ |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | <input type="checkbox"/> Y / <input type="checkbox"/> N | Date/Time: | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: | ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | SARA M. WAPPES | | |
| | Exposures: | FWC025-2017-02-15-0708-0713, 8726 | | |
| SKETCHES | Sketched by: | WILLIAM O. GREEN | | |
| Comments | | | | |

Date 15 FEB 2017

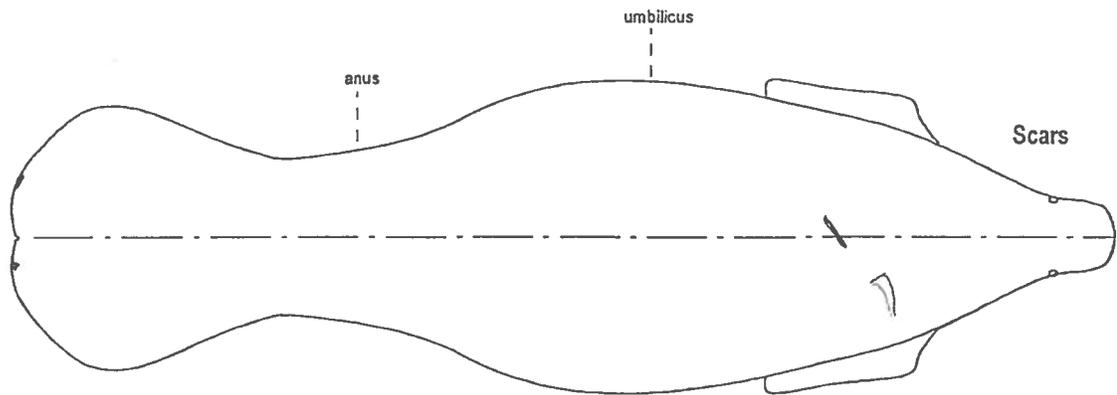
Field I.D. SWFT.1618b

c:\Manuals\scar2dat\1 26 July 02

WDG



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



Rescue / Dth
10/4/16 / 10/4/16

Rescue Report

REC1619

Watercraft

GENERAL

Date of Rescue: 04 October 2016 Date of Initial Call: 03 October 2016 Filed by: W. Greer

Rescue ID: REC1619 Facility ID: SWFTm1619b Other ID: MEC16107

FWC Case Number: 13008 FWC Region: NE

Sex: Female Length: 255 cm Estimated: No Weight: 277 kg Estimated: No

PIT Tag Present: No PIT Tag Applied: R: L:

State: FL County: Brevard City: Merritt Island Waterway: Banana River

Latitude (Decimal Degrees): 28.32278° N Longitude (Decimal Degrees): -80.66004° W

Locality Description: Approximately 65 m ENE of 2030 Newfound Harbor Drive

Method of Capture: Land based net set using boat to deploy net.

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)

Cold Stress Red Tide Tidally Stranded

Orphan Other: (Specify): _____

Watercraft

Check all that apply:

Penetrating Cuts Impact Other

Describe: Listing with left side high, fluke vertical; fresh linear wound mid-back on left side.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|-----------------|---|
| 03 October 2016 | At 1534 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding a manatee that was not submerging in Merritt Island, Brevard County. FWC case number 13008 was assigned. The |

complainant, Donna Dimassa (609-947-2210), said the manatee was not able to submerge and the tail was vertical not horizontal. SMW called the complainant at 1540 hrs and left a message.

04 October

At 0820 hrs, FWC biologist-Danielle E. Carter called the complainant again and left a message. DEC contacted FWC NE Dispatch-Orlando and discovered the number given was incorrect. DEC contacted the complainant who said the manatee was still in the canal behind her home but was too far away to get a photo. At 1030 hrs, FWC biologist-William D. Greer (WDG) arrived at the residence and launched a kayak to assess the manatee. WDG found the manatee in the north end of the canal listing at almost a 90 degree angle and breathing rapidly. WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) who agreed the manatee should be rescued. WDG contacted Sea World staff member-Steve Lehr who agreed to assemble a team for a boat rescue of the manatee. At 1500 hrs, Sea World arrived on scene. The first net set was unsuccessful at capturing the manatee. At 1645 hrs, a land based net set using the boat to deploy the net was completed and successfully captured the manatee. It was loaded onto the rescue boat to transport to the boat ramp. At 1710 hrs, after being on the boat for approximately 15 minutes the manatee died. Sea World agreed to transport the carcass to Sea World and store it in their cold room for pick up on the next day.

PARTICIPANTS

FWC EC: William D. Greer

Sea World: Steve Lehr, Victor Marsich, Kelly Cluckey, Alec Troeger, Diana Hawke, Jennifer Parnell, Lori Braso, Carrie Ambrulavich, Nick German

Edited by:

DJS
AJG

(Rev: 03/18/2013)

Resc / Dth

Rescue Report

REC1619

Watercraft

GENERAL

| | | |
|--|---|---------------------------|
| Date of Rescue: 04 Oct 2016 | Date of Initial Call: 04 Oct 2016 | Filed by: W. Greer |
| Rescue ID: REC1619 | Facility ID: SWFTm1619b | Other ID: <u>MEC16107</u> |
| FWC Case Number: 13008 | FWC Region: NE | |
| Sex: Unknown | Length: 275 cm | Estimated: Yes |
| Weight: 320 kg | Estimated: Yes | |
| PIT Tag Present: Unknown | PIT Tag Applied: | R: L: |
| State: FL | City: Merritt Island | County: Brevard |
| Waterway: Banana River | | |
| Latitude (Decimal Degrees): 28.3227528° N | Longitude (Decimal Degrees): -080.6600472 ° W | |
| Locality Description: Approximately 65 m ENE of 2030 Newfound Harbor Drive | | |
| Method of Capture: Land based net set using boat to deploy net. | | |

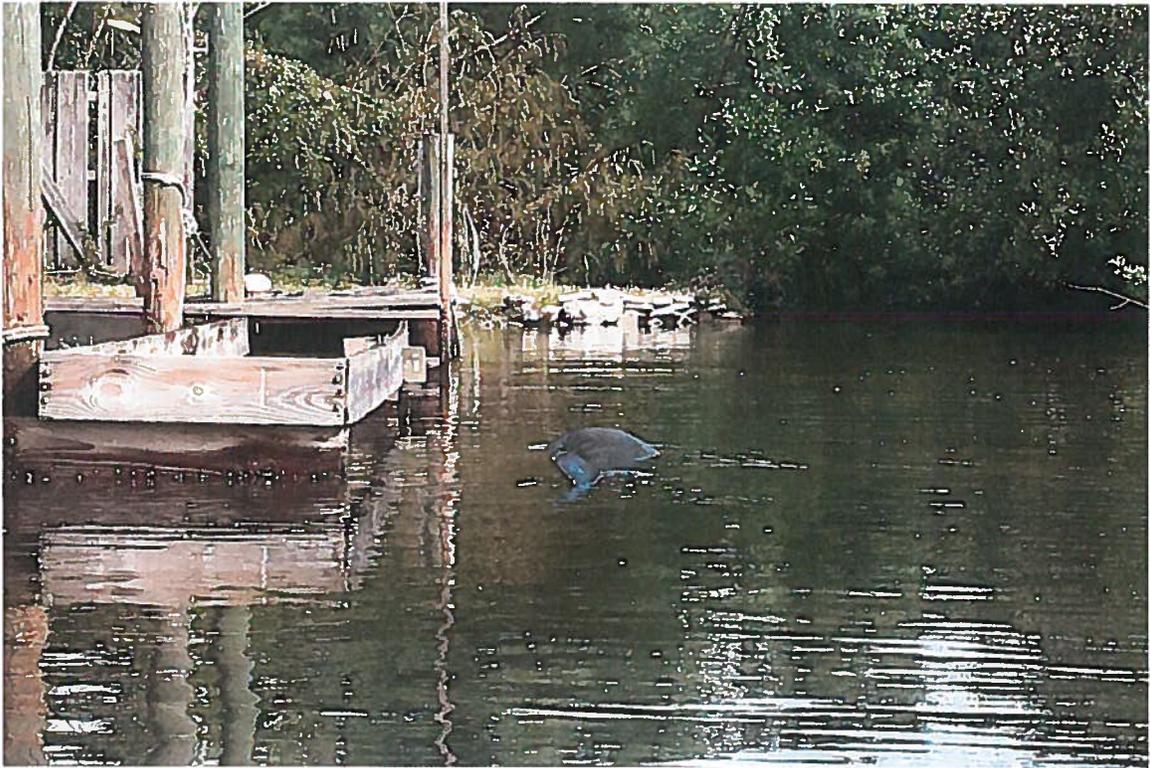
REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Listing heavily with left side high, fluke swimming vertically. New linear wound across mid-back.

Manatee died after approximately 10 minutes on boat.



REC1619
SWFTM1619B

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: MEC16107
Date of Report: 2016-Oct-04
Filed By: FWC MMPL

FWC Case # 13008 FWC Region: NE
Sex: Female Length: 255 cm Weight: 276.5 kg

DATE REPORTED: 2016-Oct-04 By: FWC-WDG to MMPL-AJG
DATE COLLECTED: 2016-Oct-05 By: MMPL-BLB
DATE NECROPSIED: 2016-Oct-06 By: MMPL-MdW,BLB,ALP,KJR,DJS

LOCATION: State: FL Latitude: 28.32278 N
County: Brevard Longitude: -80.66004 W
Waterway: Banana River

Locality description: Merritt Island, approximately 65 m ENE of 2030 Newfound Harbor Drive.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Human Related: Watercraft Collision

EXPLAIN: Impact; Acute; Watercraft wounds; Fractured rib(s); Shredded muscle; Hemorrhagic muscle; Torn muscle; Hematoma; Hemothorax; Pneumothorax; Torn lung(s); Torn parietal pleura; Collapsed lung(s); Dark line kidney(s); Blood clots; Asymmetric carcass; Dry, paper-like texture of hemidiaphragm; Foam, mucus in airways; Congested peritoneum, fat, meninges, mesentery, epicardium, urinary bladder-, airway mucosa, renal capsules; Bloody kidneys; Dark red thymus; Hemorrhagic lung parenchyma; Collapsed lung.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial, Internal, Other (Wound).

MATERIALS COLLECTED:

Genetics, Earbone, ELISA toxicology samples, Archive toxicology samples, Histology.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Histology report. Rescue report. Wound measurements.

REMARKS:

PIT tag scan negative. Died on 04 Oct 2016. Died at 1710 hrs. Longitudinal folds; Flat ventrum; Dry, hard feces; See rescue report REC1619, SWFTm1619b. Nodules in small intestine. Relatively empty lower GI tract. Nodule on fluke.

| | |
|-----------------|--------------|
| Page 1&2 | 21 Sept 2017 |
| Necropsy Report | 21 Sept 2017 |
| Lat/Long | 21 Sept 2017 |

Rescue
11/17/16

Rescue Report

REC1620

Calf of Rescue Mom (Una)

GENERAL

Date of Rescue: 17 November 2016 Date of Initial Call: 02 November 2016 Filed by: W. Greer

Rescue ID: REC1620 Facility ID: SWFTm1623b Other ID: Mr. Baby

FWC Case Number: FWC Region: NE

Sex: Male Length: 201 cm Estimated: No Weight: 197 kg Estimated: No

PIT Tag Present: No PIT Tag Applied: No R: L:

State: FL City: Orange City County: Volusia Waterway: St. Johns River

Latitude (Decimal Degrees): 28.94361° N Longitude (Decimal Degrees): -81.34079° W

Locality Description: Blue Springs State Park, approximately 65 m NW of the Thursby House

Method of Capture: Boat net set

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)

Cold Stress Red Tide Tidally Stranded

Orphan Other: (Specify): Calf of monofilament entangled manatee

All Other

Describe: Calf of entangled manatee, "Una"

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|------------------|--|
| 02 November 2016 | At 1430 hrs, Save the Manatee Club (STMC)-Cora Berchem called FWC biologist-William D. Greer (WDG) to inform him that known entangled manatee "Una" and her calf were at Blue Spring State Park (BSSP). Due to the time of the day, no rescue attempt was planned for that day. WDG requested to be notified next time "Una" was seen. |

Rescue Report

REC1620

16 November

At 0904 hrs, STMC-Wayne Hartley called FWC biologist-Danielle E. Carter (DEC) to inform her that "Una" and her calf were at BSSP. DEC called Sea World Florida (SWF)-Randy Runnells and he confirmed that SWF could take the manatees. DEC contacted MMPL biologist-Andrew J. Garrett (AJG) and he suggested monitoring both manatees for the day and plan the rescue for the next day. DEC asked W. Hartley to watch "Una" and calf for the day and he stayed with them until 1300 hrs. DEC contacted volunteers, Debbie Wingfield (Volusia County), Jody Palmer (Brevard Zoo) to organize a rescue team for the next day. WDG and AJG discussed logistics and AJG agreed to bring MMPL's rescue boat with four staff members.

17 November

At 0839 hrs, C. Berchem called WDG to let him know that "Una" and her calf were back at BSSP. WDG notified AJG and R. Runnells and DEC contacted the rescue participants to coordinate pick-up times. DEC, WDG, FWC biologist-Sara M. Wappes (SMW), FWC volunteers, and Brevard Zoo staff arrived at BSSP with the rescue truck by 1140 hrs. MMPL staff arrived at the French St. boat ramp and launched the rescue boat. Staff and volunteers circled both manatees with a boat-based net set. "Una" escaped, but her calf was pulled onto the boat at 1349 hrs. The calf was transported to the canoe launch and the net was reset while DEC and volunteers followed "Una" to keep track of her location. Staff and volunteers at the canoe launch tried to bait "Una" by placing the calf in the water in a stretcher. "Una" was observed swimming up and down the middle of the spring run and eventually moved to the mouth of the spring where FWC staff and volunteers placed a land based-boat net set. At 1450 hrs, "Una" was captured at the canoe launch, placed on the rescue boat and transported to the French St. boat ramp. The calf was loaded into the rescue truck and transported to the boat ramp by DEC. "Una" was also loaded into the rescue truck and WDG, DEC, and volunteers transported both to SWF, arriving by 1650 hrs. Both manatees were transferred to a medical pool.

PARTICIPANTS

FWC EC: Danielle E. Carter, William D. Greer, Sara M. Wappes

FWC MMPL: Andrew J. Garrett, Kane J. Rigney, Gina L. Lonati, Brittany Barbeau

Volusia County: Debbie Wingfield

Brevard Zoo: Jody Palmer, Amanda Archer, Whitney Price

Save the Manatee Club: Cora Berchem, Wayne Hartley

FWC Volunteers: Leo Cross, Joe Wolf, Gisele Nieman, Alicia Mackewicz

BSSP Park Staff: Michael Watkins, Cody Nolan

FWC LE: Officer Bernard Bresie

Edited by:

DJS
AJG

(Rev: 03/18/2013)

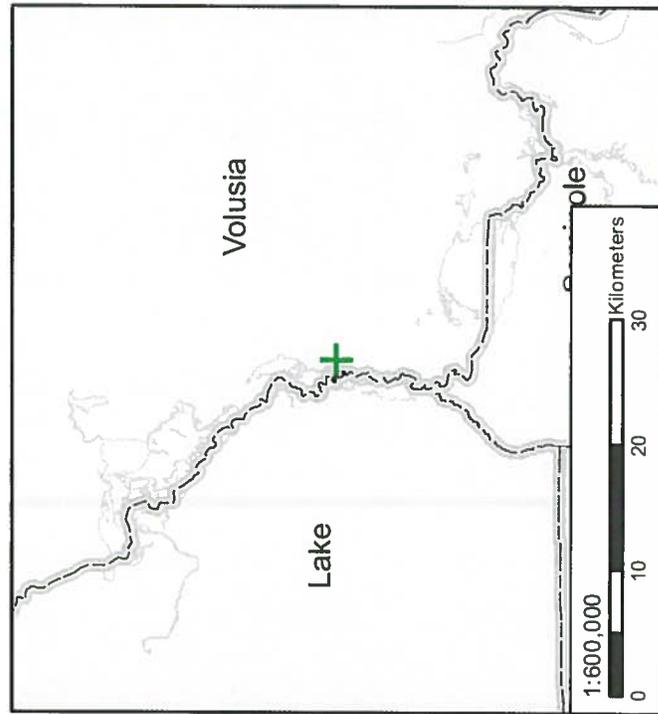
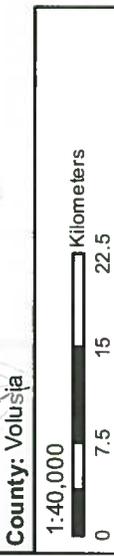
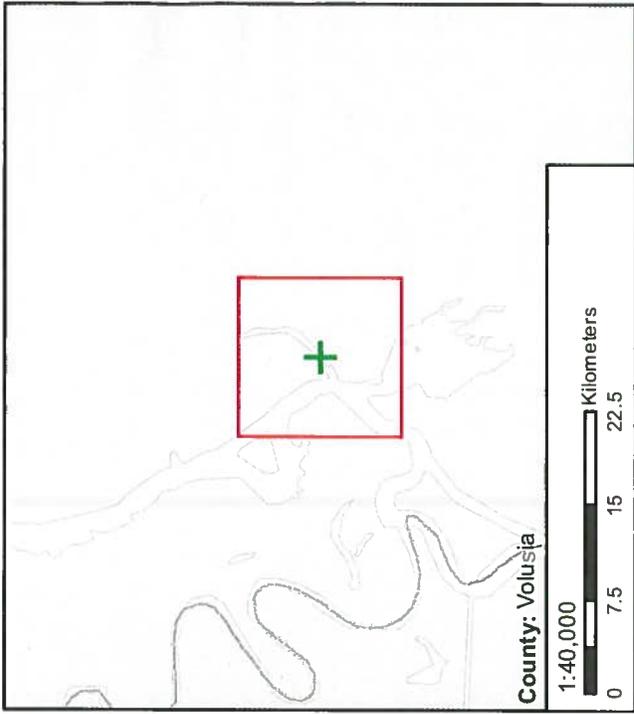
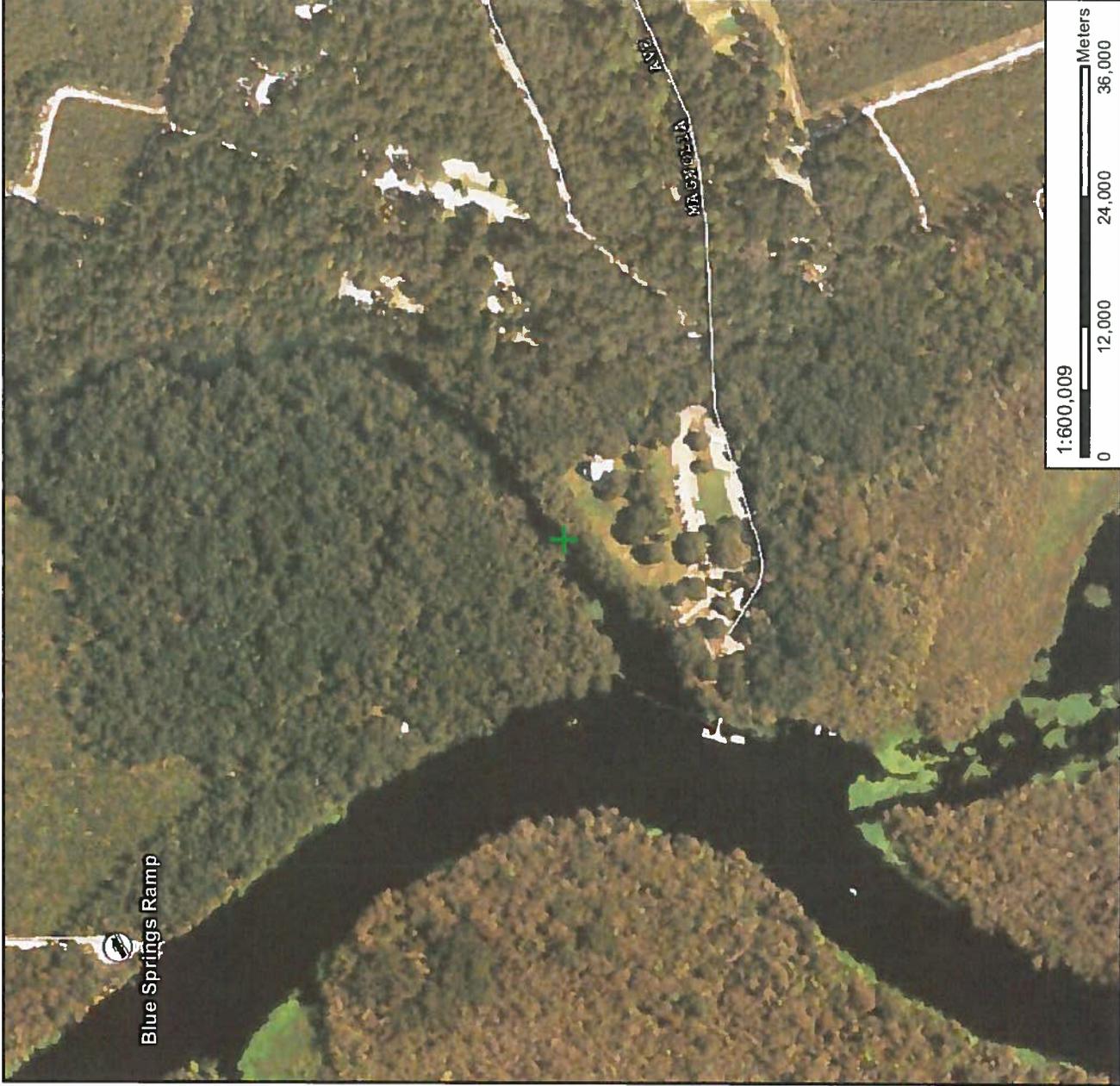


Verified Response Location of Manatee Rescue REC1620

Rescue Date: 11/17/2016

Facility ID: SWFTm1623b

Map Created 2/9/2017



Locality Description:
Blue Springs State Park, approximately 65 m NW of the Thursby House

Latitude: 28.94361°N Longitude: -81.34079°W

From: Garrett, Andy

Sent: Friday, November 18, 2016 9:17 AM

To: Runnells, Randy W. <Randy.Runnells@SeaWorld.com>; Greer, Bill <Bill.Greer@MyFWC.com>; Garrett, Matt <Matt.Garrett@MyFWC.com>; Hubbard, Katherine <Katherine.Hubbard@MyFWC.com>

Cc: (Group)

Subject: RE: Rescue Alert

Sarasota Bay

RN W161642

Yesterday afternoon, the FWC and Mote responded to a report of a struggling 6-7 ft manatee behind 7142 Westmoreland Drive. The manatee did not respond to being approached by vessels. High red tide cell counts have been detected in surround area, so biologists assumed the manatee was dealing with red tide toxin exposure. The response team hoop netted the manatee and transported it to Lowry Park Zoo.

Blue Springs:

REC1620 d REC1621

Sorry about the miscommunication yesterday. Una and her calf were captured yesterday afternoon in the spring run of Blue Springs State Park. Una's pectoral flippers were both deeply embedded with monofilament. Una and her calf were transported to Sea World. I think everyone was relieved that we finally caught Una and that she will be getting treatment for her entangled flippers.

On Nov 17, 2016, at 12:11 PM, Greer, Bill <Bill.Greer@MyFWC.com> wrote:

Nope, still coming your way.

Sent from my FWC iPhone

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Andy was there a change in plan? Bill Greer called and put us on standby at Sea World to receive the manatees

From: Garrett, Andy [<mailto:Andy.Garrett@MyFWC.com>]

Sent: Thursday, November 17, 2016 8:53 AM

To: (Group)

Subject: [EXTERNAL] Rescue Alert

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Yesterday, MRP Rehabbed manatee Una and her calf were spotted by Wayne Hartley in the spring run. Both of Una's flippers are badly entangled and deeply embedded with monofilament.

Una is currently in the spring run with her calf. A rescue team is mobilizing. If captured, Una and her calf will be transported to Lowry Park Zoo.

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF16234/REC1620

Capture ID: _____

Data Recorder: SARA WAPPEL / William Greer

Name: 'MR. BABY'

Date: 12 DEC 2017

ID of its Calf / Mom: SWF17228

Sex: M / (F)

| |
|--------------------------|
| TIMES |
| Initial Pursuit: _____ |
| Net Set: _____ |
| Captured(Onboard): _____ |
| On Beach: _____ |
| Released: <u>1431</u> |

| |
|--------------------------------------|
| CAPTURE |
| Location: _____ |
| Latitude: _____ N |
| Longitude: _____ W |
| Water Temp: <u>22.9</u> <u>(C)</u> F |

| |
|---|
| RELEASE |
| Location: <u>BLUE SPRING STATE PARK</u> |
| Latitude: <u>28.9428611</u> N |
| Longitude: <u>-081.3415667</u> W |
| Water Temp: <u>22.9</u> <u>(C)</u> F |

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 21.7 (C) F Wind: SW mph 7.7 Cloud Cover: S (P) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|-----------------------------------|------------------------------|--------------------|
| | <u>352 kg</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>273</u> | |
| | Total Length (straight) | <u>248</u> | |
| | Snout to Peduncle | <u>175</u> | |
| | Snout to Anus | <u>154</u> | |
| | Snout to Umbilicus | <u>81</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>93</u> cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | <u>135</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>178</u> | |
| | Girth at Axilla: actual or 1/2 | <u>163</u> | |

| ULTRASOUND | | Reader Name: _____ | | |
|------------------------------|---------------|--------------------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>3-</u> | 4 | 5 |
|-----------|------------------------------------|---|---|------------------------|---|---|
| | Health Concerns? | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| | Peanut shaped head? <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| | Side between anus & peduncle: | | | <u>(Rounded)</u> | / Flat / Concave | |
| | Ventrum: | | | <u>Rounded</u> | / <u>(Flat)</u> / Concave / Ventral Folds | |
| | Fresh Wounds or Lesions: | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| | Person(s) assessing condition: | | | <u>William O Greer</u> | | |
| | Clinical Assessment Data Sheet? | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: _____ |
|----------------|--|
| | Lactating? <u>Y / (N)</u> |

| MONITORING | Heartrate: <u>(Stethoscope)</u> EKG Doppler None Data Sheets? <u>Y (N)</u> |
|------------|---|
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> <u>Y (N)</u> |
| | Respiratory Rate? <u>(Y) N</u> <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: _____ Applied by: _____ |
|--------------|--|
| | Location(s): _____ |

| | | | | |
|--------------------|---|---|-------------|----------------|
| BLOOD | Collect Blood? <u>Y / (N)</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / (N)</u> volume: _____ ml | Refrig / Freeze | | |
| | Urine? <u>Y / (N)</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / (N)</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / (N)</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / (N)</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / (N)</u> Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? <u>Y / (N)</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / (N)</u> Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <u>(Y) / N</u> | PIT tagged at this capture? <u>(Y) / N</u> | | |
| | PIT tagged by: | <u>SEAWORLD ORLANDO</u> | | |
| | Right # | <u>Ø Ø - Ø 7 9 9 - 9 9 E 3</u> | | |
| | Left # | <u>Ø Ø - Ø 7 9 9 - 0 B 7 A</u> | | |
| TELEMETRY | Tag Type | <u>(Argos-GPS)</u> / PTT / VHF | | |
| TAG | Tag ID# | <u>37043</u> | | |
| | Tag / Antenna Color(s) | Tag: <u>orange w/ green</u> Antenna: <u>yellow/whi</u> | | |
| | VHF Frequency | 164. <u>635</u> MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: <u>40</u> in. Color: <u>RED</u> | | |
| | Belt Sonic ID: FWC _____ | Freq: <u>75</u> kHz Code: <u>3-7-6-8</u> PI: <u>1110</u> msec | | |
| | Belt Knot / Webbing Exposed | <u>(Left)</u> / Right _____ inches | | |
| | CR2a Programmed Release | <u>Y / (N)</u> Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: <u>47</u> hs / tcc Length: <u>4</u> ft. | | |
| | Tagged by: | <u>NILSJE BARTLETT</u> | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M. WAPPES</u> | | |
| | Exposures: | <u>FWC025_2017-12-12_4950-4964; 4978</u> | | |
| SKETCHES | Sketched by: | <u>WILLIAM D. GEEER</u> | | |

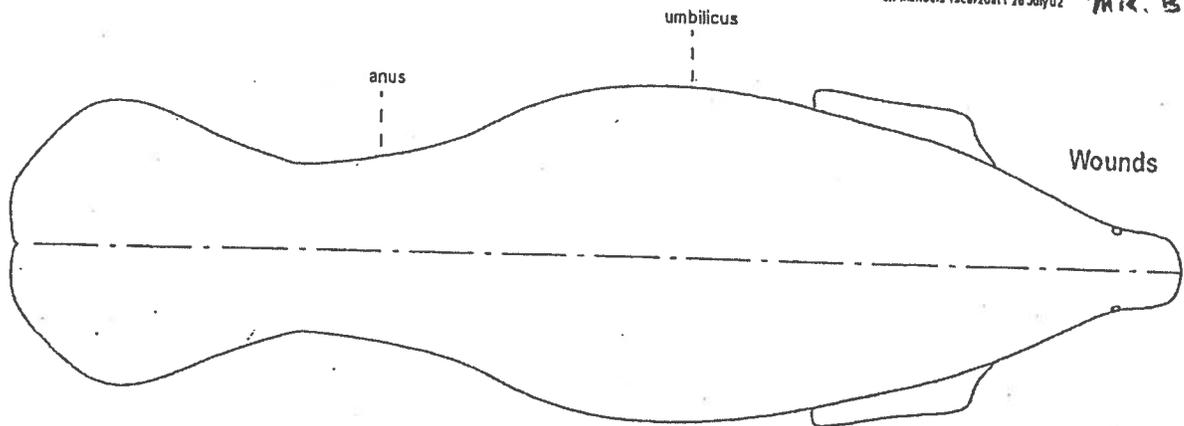
COMMENTS

RELEASED SEPARATELY FROM MAM DUE TO LACK SHORE LINE AT RELEASE LOCATION.

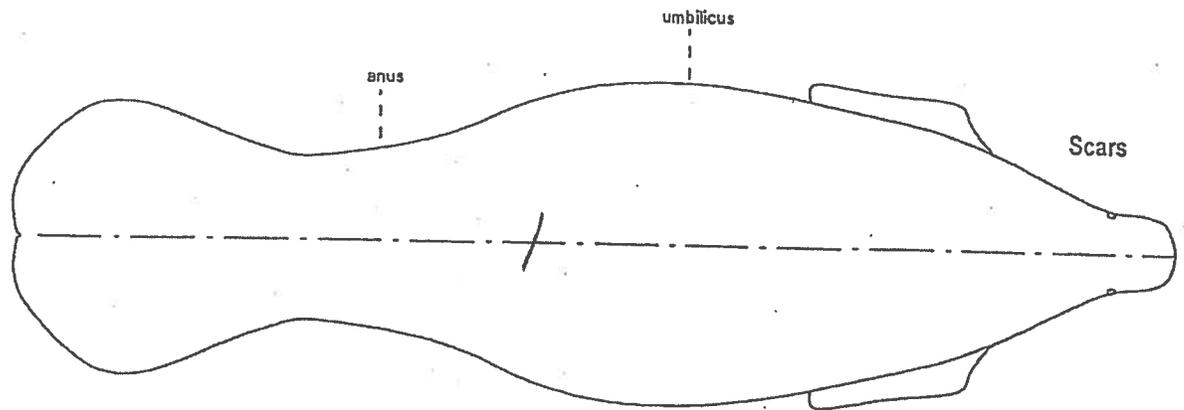
Date 12 DEC 2017

Field I.D. SWF/6238/REC1620

c3 Manuals \scar2dat1 26 July 02 'MR. BABY'

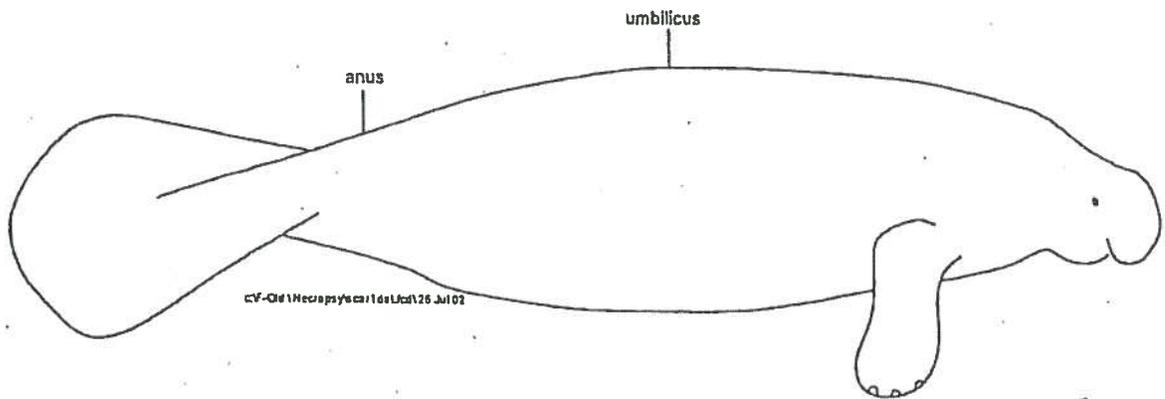
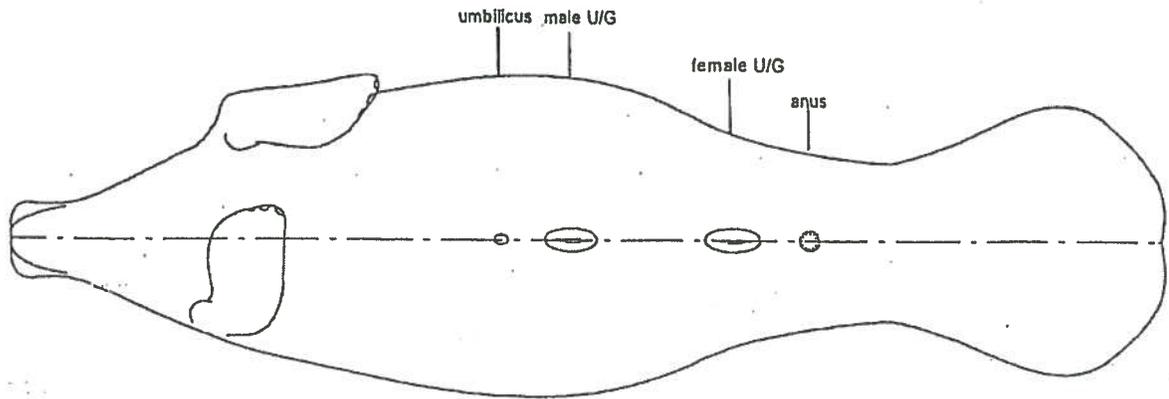
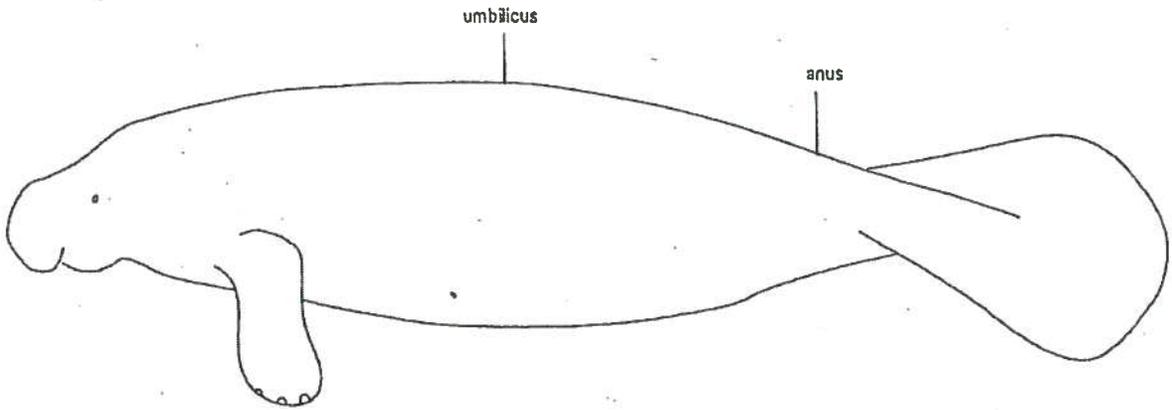


| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D.

SWFTM1623B/REC16.26
Mr. Baby



CV-061 Necropsy card for L126 Jul 02

Rescue Report

REC1621

Resc
11/17/16

*Entanglement
monofilament*

GENERAL

| | | | | |
|---|--|--|---------------------------|---------------|
| Date of Rescue: 17 November 2016 | Date of Initial Call: 02 November 2016 | Filed by: W. Greer | | |
| Rescue ID: REC1621 | Facility ID: SWFTm1622b | Other ID: 'Una', REC0714, REC0803, RNE0311, RNE0603, SWTm0338b | | |
| FWC Case Number: | | FWC Region: NE | | |
| Sex: Female | Length: 312 cm | Estimated: No | Weight: 625 kg | Estimated: No |
| PIT Tag Present: Yes | PIT Tag Applied: No | R:0006721361 | L: (Did not register) | |
| State: FL | City: Orange City | County: Volusia | Waterway: St. Johns River | |
| Latitude (Decimal Degrees): 28.94292° N | | Longitude (Decimal Degrees): -081.34156° W | | |
| Locality Description: Blue Springs State Park, kayak launch | | | | |
| Method of Capture: Land based-boat net set | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|--|--|------------|
| Gear Type: (Check all that apply) | | |
| <input checked="" type="checkbox"/> Monofilament Line | <input type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input type="checkbox"/> Other (Specify) _____ | |
| Location of Entanglement: Both flippers | | |
| If Crab Pot: | | |
| Float#: | Color: | Line Type: |
| Damage from Gear: | | |
| <input type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions | |
| <input checked="" type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: N/T | |
| Comments: | | |
| Gear Retained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |

Rescue Report

REC1621

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
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truck and transported to the boat ramp by DEC. "Una" was also loaded into the rescue truck and WDG, DEC, and volunteers transported both to SWF, arriving by 1650 hrs. Both manatees were transferred to a medical pool.

PARTICIPANTS

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Edited by:

DJS

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(Rev: 03/18/2013)

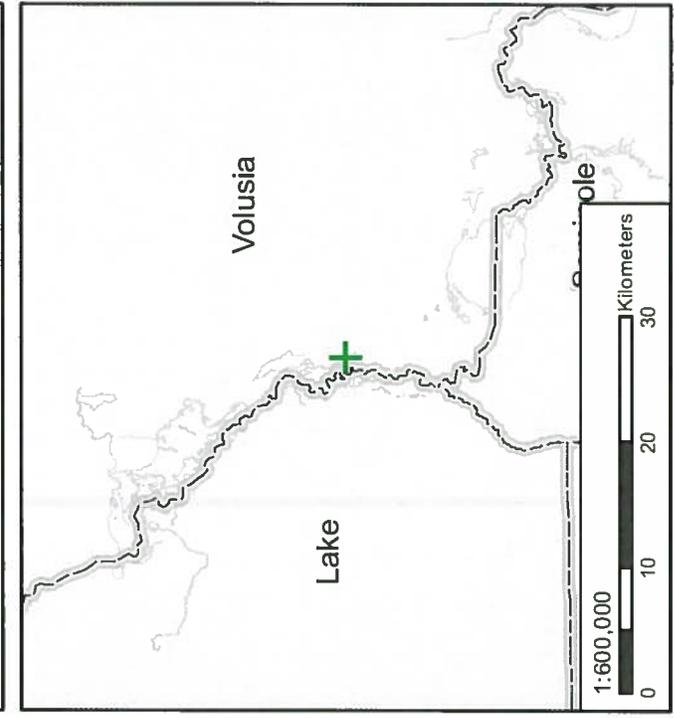
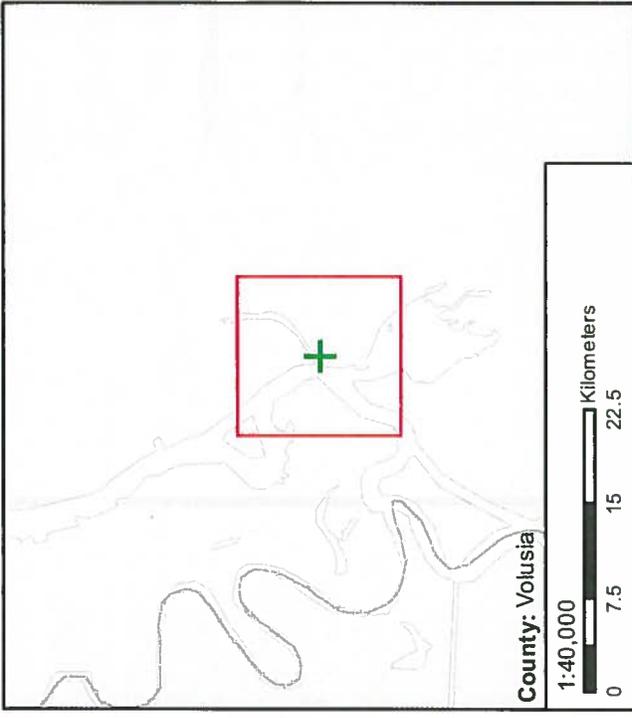
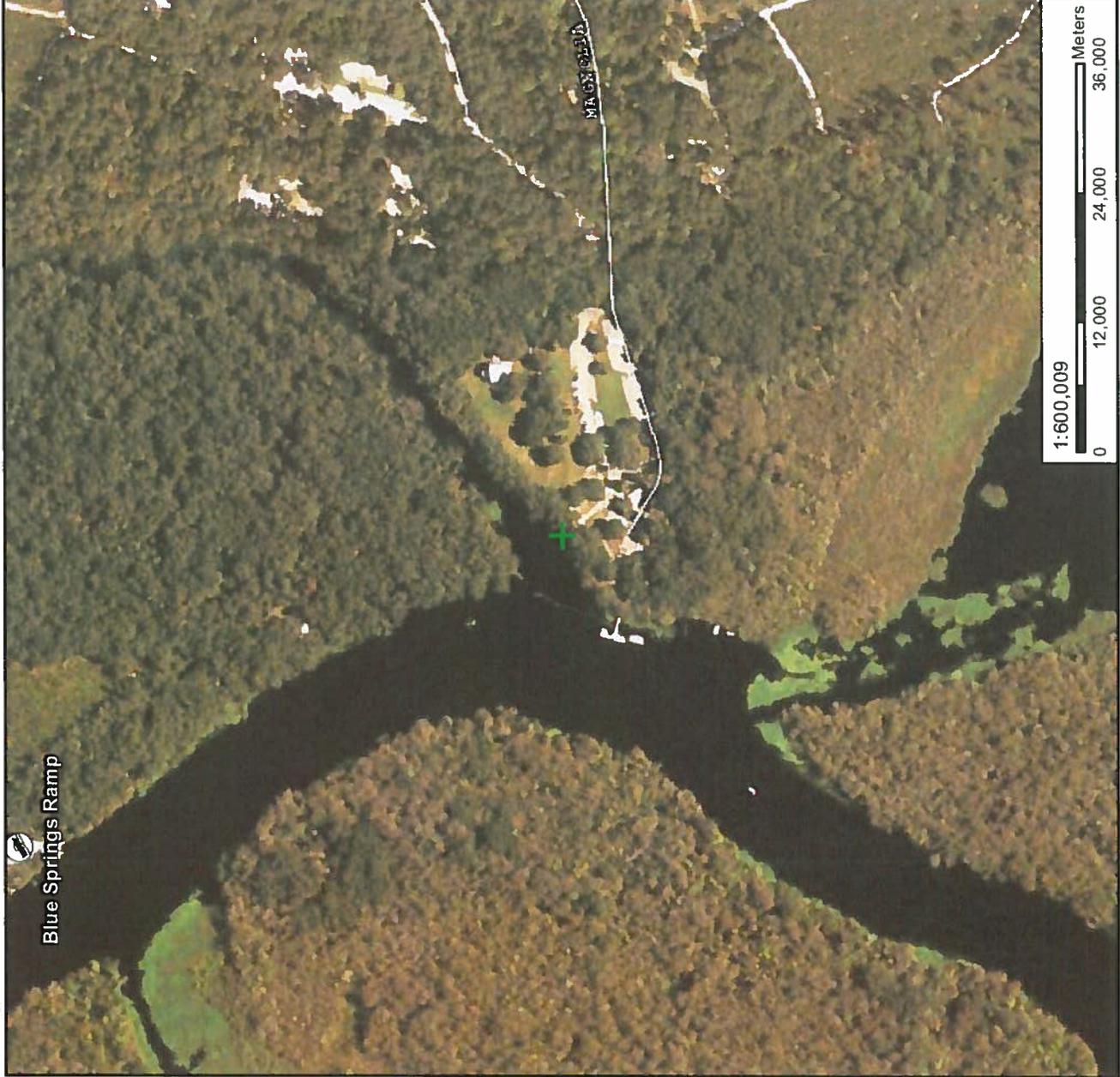


Verified Response Location of Manatee Rescue REC1621

Rescue Date: 11/17/2016

Facility ID: SWFTm1622b

Map Created 2/9/2017



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Blue Springs State Park, kayak launch

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Longitude: -81.34156°W

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To: Runnells, Randy W. <Randy.Runnells@SeaWorld.com>; Greer, Bill <Bill.Greer@MyFWC.com>; Garrett, Matt <Matt.Garrett@MyFWC.com>; Hubbard, Katherine <Katherine.Hubbard@MyFWC.com>

Cc: (Group)

Subject: RE: Rescue Alert

Sarasota Bay

RNW161642

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REC1620 + REC1621

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Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF1622B/NEC 1621

Capture ID: _____

Data Recorder: WILLIAM GREEN / SARA MAPES

Name: 'UNA'

Date: 12 DEC 2017

ID of its (Calf) Mom: SWF1623B

Sex: M / F

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: BLUE SPRING STATE PARK
 Latitude: 28.9428611 N
 Longitude: -081.3415667 W
 Water Temp: 22.9 C F

TIMES
 Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1426

EVENT: ___ Capture ___ Rescue ___ Pre-release Assess. Release ___ Post-release Assess.

Workup Site: Air Temp = 21.7 C F Wind: SW mph 7.7 Cloud Cover: S MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>328</u> | |
| | Total Length (straight) | <u>300</u> | |
| | Snout to Peduncle | <u>209</u> | |
| | Snout to Anus | <u>181</u> | |
| | Snout to Umbilicus | <u>95</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>125</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>173</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>205</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>183</u> | |

| ULTRASOUND | Reader Name: _____ | | | |
|------------------------------|--------------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>3</u> | 4 | 5 |
|---------------------------------|--------------|---|---|----------------------|--------------------------------|-------------------------|
| Health Concerns? | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / N</u> | | | | Ribs visible? <u>Y / N</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | Flat | Concave |
| Ventrum: | | | | <u>Rounded</u> | Flat | Concave / Ventral Folds |
| Fresh Wounds or Lesions: | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>WILLIAM GREEN</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / N</u> | Describe: |
|----------------|------------------------|--------------|
| | Lactating? | <u>Y / N</u> |

| MONITORING | Heartrate: <u>Stethoscope</u> EKG Doppler None | Data Sheets? <u>Y / N</u> |
|------------|--|---------------------------|
| | Temperature: Oral Naso-pharyngeal Rectal <u>None</u> | <u>Y / N</u> |
| | Respiratory Rate? <u>Y / N</u> | <u>Y / N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: <u>SEA WORLD</u> |
|--------------|--------------------------|---|
| | <u>A5</u> | |
| | Location(s): | <u>CENTER BODY ANTERIOR OF PEDUNCLE</u> |

| | | | | |
|--------------------|---|---|--------------------|----------------------|
| BLOOD | Collect Blood? <u>Y / <input checked="" type="radio"/> N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / <input checked="" type="radio"/> N</u> volume: <u> </u> ml | Refrig / Freeze | | |
| | Urine? <u>Y / <input checked="" type="radio"/> N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / <input checked="" type="radio"/> N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / <input checked="" type="radio"/> N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / <input checked="" type="radio"/> N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / <input checked="" type="radio"/> N</u> Location: <u> </u> | Freeze / <u> </u> / DMSO | | |
| | Mucosal Swab? <u>Y / <input checked="" type="radio"/> N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / <input checked="" type="radio"/> N</u> Tear Film / <u> </u> | Freeze / <u> </u> | | |
| PIT TAG | Scanned for previous PIT tag? <u><input checked="" type="radio"/> Y / <input type="radio"/> N</u> | PIT tagged at this capture? <u>Y / <input checked="" type="radio"/> N</u> | | |
| | PIT tagged by: | <u>SEA WORLD ORLANDO</u> | | |
| | Right # | <u>00 - 0672 - 1361</u> | | |
| | Left # | <u> - - - - - - - -</u> | | |
| TELEMETRY | Tag Type | <u>Argos-GPS / PTT / VHF</u> | | |
| TAG | Tag ID# | <u> </u> | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. <u> </u> MHz | | |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| BELT | ID# / Size / Color | FWC <u> </u> Length: <u> </u> in. Color: <u> </u> | | |
| | Belt Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| | Belt Knot / Webbing Exposed | Left / Right | <u> </u> inches | |
| | CR2a Programmed Release | <u>Y / <input type="radio"/> N</u> Date/Time: <u> </u> | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M. WAPPES</u> | | |
| | Exposures: | <u>FWC025.2017-12-12_4965-4977</u> | | |
| SKETCHES | Sketched by: | <u>WILLIAM O. GRISER</u> | | |

COMMENTS

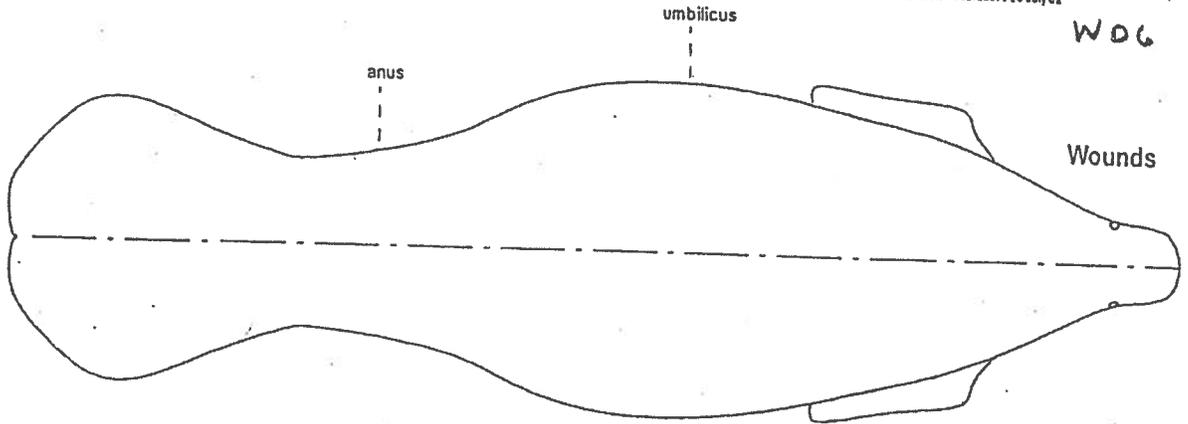
Other ID's: SWFTM0338B, REC0714, REC0803, RNE0311, RNE0603
 FREEZE BRAND AND PIT TAG WERE APPLIED AT 2003 RESCUE.
 LEFT PIT TAG NOT DETECTED.

Date 12 DEC 2017

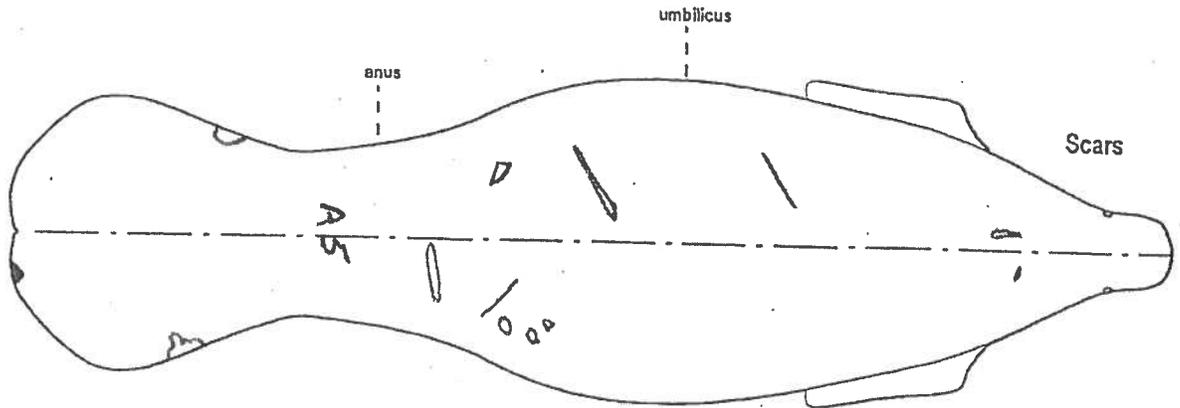
Field I.D. SWF1622B/REC1628

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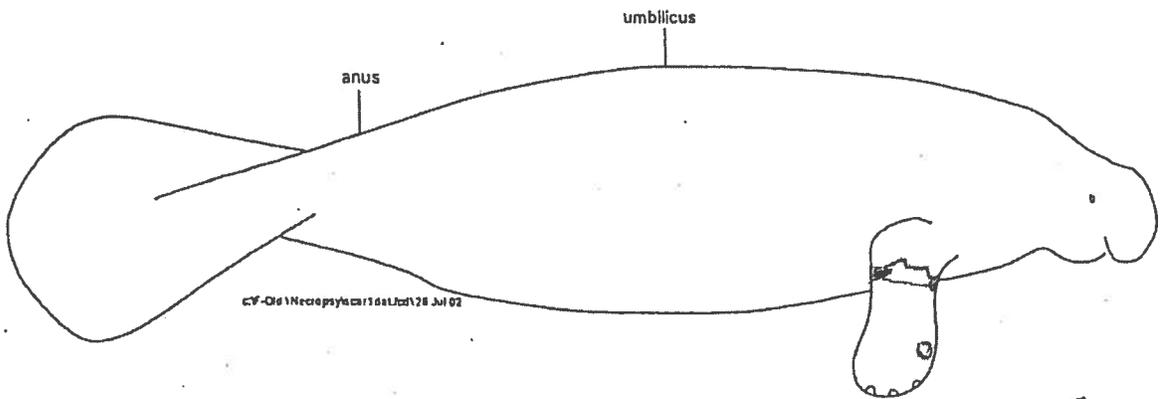
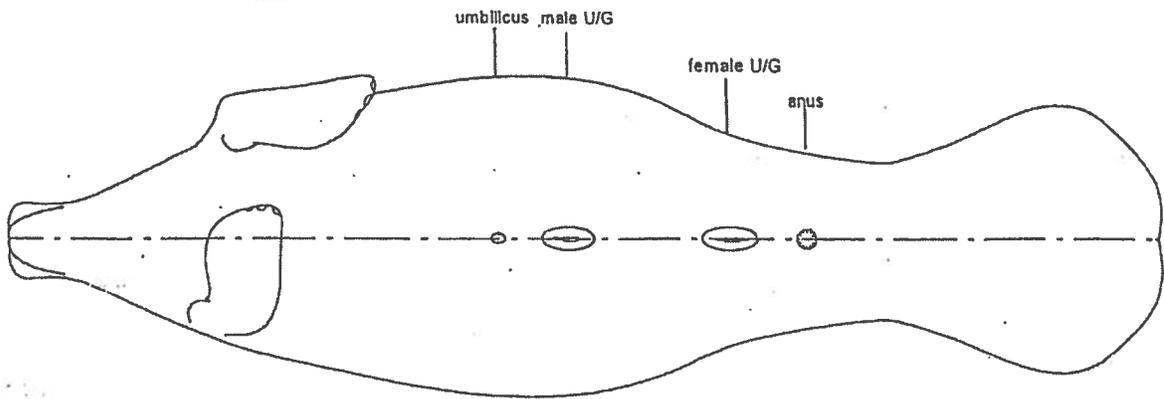
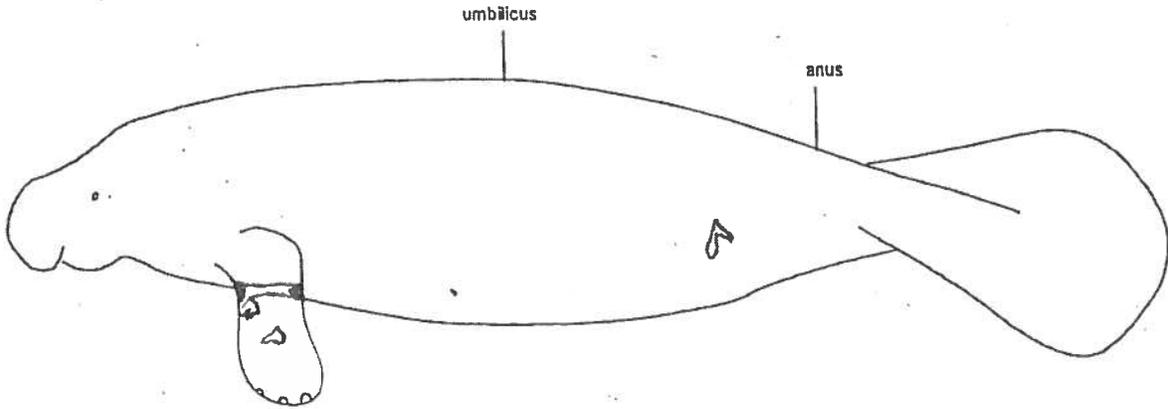
'VNA'
W06



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| Length | | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SWF16228/REC1621
'UNA'



Resc / Dll
12/13/16 12/13/16

Rescue Report

REC1622

GENERAL

Date of Rescue: 13 December 2016 Date of Initial Call: 13 December 2016 Filed by: D. Carter

Rescue ID: REC1622 Facility ID: Other ID: MEC16127

FWC Case Number: 16513 FWC Region: NE

Sex: Female Length: 133 cm Estimated: No Weight: kg Estimated:

PIT Tag Present: Unk. PIT Tag Applied: No R: L:

State: FL City: Cape Canaveral County: Brevard Waterway: Port Canaveral

Latitude (Decimal Degrees): 28.41927° N Longitude (Decimal Degrees): -80.59357° W

Locality Description: approximately 2.3 km NE of Freddie Patrick Park boat ramp, approximately 2.1 km ENE of 575 Cargo Rd.

Method of Capture: Hoop net

Calf by itself

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)

Cold Stress Red Tide Tidally Stranded

Orphan Other: (Specify): _____

All Other

Describe: Manatee calf was alone, lethargic, estimated to be less than 4' long, covered in algae and barnacles, and floating in a hunched over position.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|------------------|---|
| 13 December 2016 | At 1529 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an orphaned manatee calf in Port Canaveral in Cape Canaveral, Brevard County. FWC case number 16513 was assigned. The complainant, Cape Canaveral Air Force Station (CCAFS)-Angy Chambers, said the manatee was alone, covered in barnacles and algae, and |

floating in a hunched over position. DEC received a verification photo at 1546 hrs. DEC called MMPL biologist-Andrew J. Garrett (AJG) notify him of the situation. DEC called SeaWorld Florida (SWF)-Jon Peterson (JP) to see if SWF had space for an orphan calf and JP confirmed that they could take the animal. DEC recruited FWC volunteers-Joseph Wolf and Mary Watson and all three drove the transport truck to Port Canaveral's Trident Wharf, arriving at 1728 hrs. Using a hoop net, DEC, FWC volunteers, and CCAFS staff were able to lift the manatee out of the water and onto the dock at 1737 hrs. After stimulating a few breaths and confirming gender, the manatee was lifted into the transport truck. At 1833 hrs, while in transit to Sea World, J. Wolf called DEC to let her know that the manatee hadn't taken a breath in four minutes and was not responding to stimulus. Upon inspection, DEC confirmed that the manatee was deceased. The carcass was transported to Melbourne Marine Mammal Research Lab and placed in a cooler with ice overnight.

PARTICIPANTS

FWC EC: Danielle E. Carter

FWC volunteers: Joseph Wolf, Mary Watson

CCAFS: Angy Chambers, 4 other staff

Edited by:

DJS
AJG

(Rev: 03/18/2013)

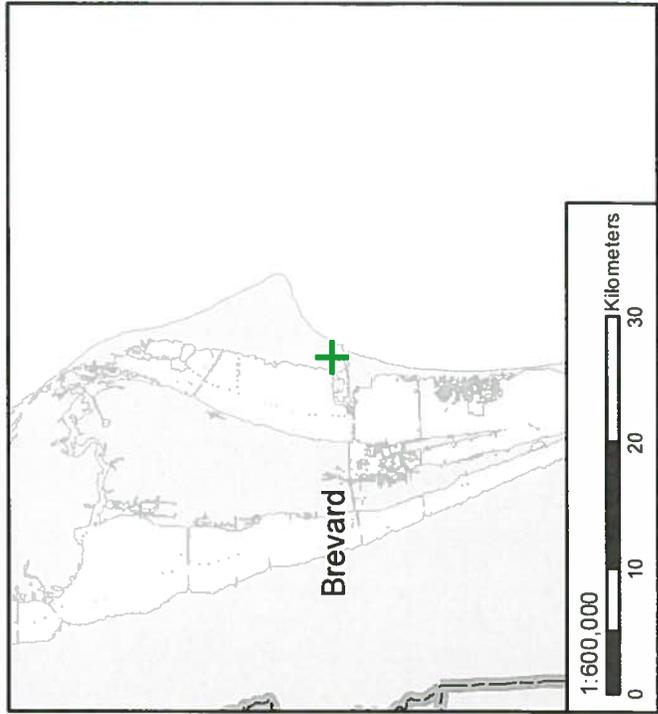
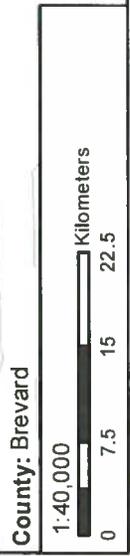
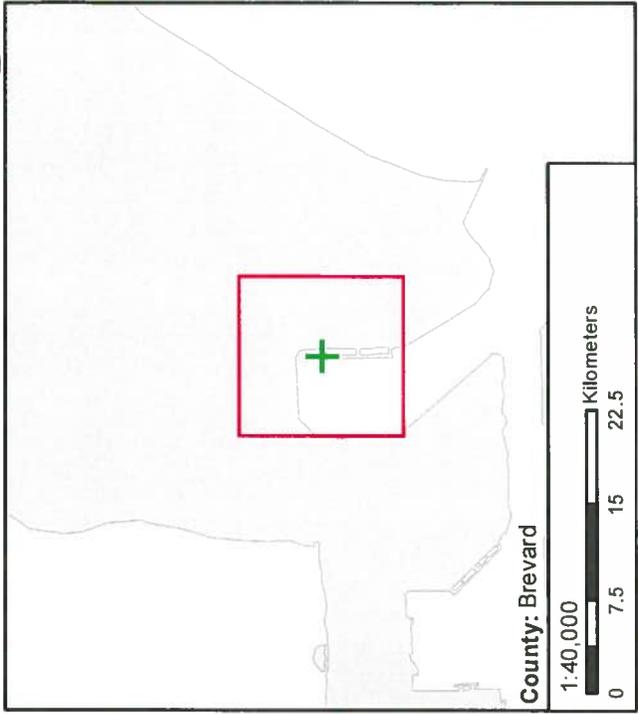
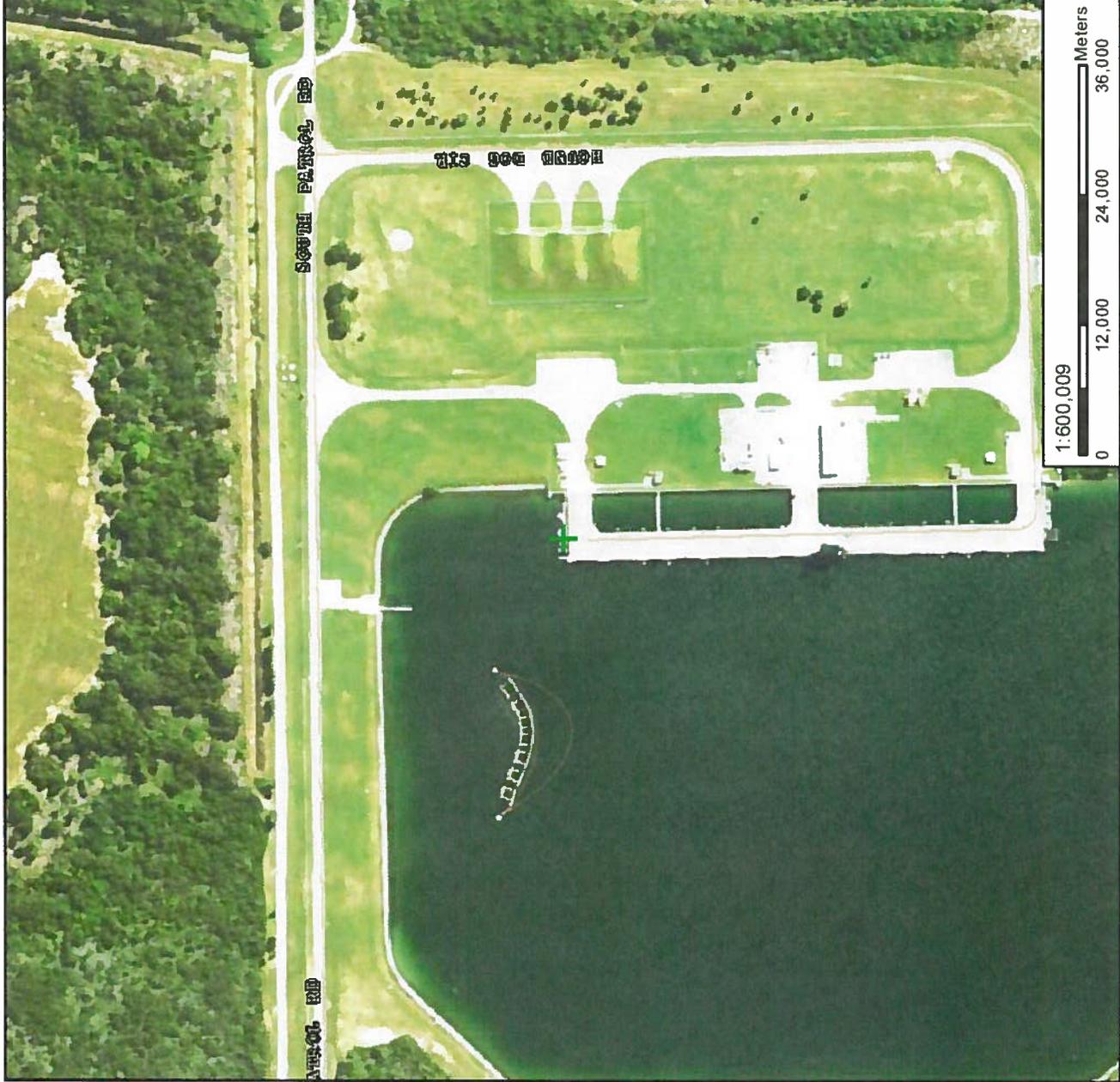


Verified Response Location of Manatee Rescue REC1622

Rescue Date: 12/13/2016

Facility ID: N/A

Map Created 5/23/2017



Locality Description:
approximately 2.3 km NE of Freddie Patrick Park boat ramp, approximately 2.1 km ENE of 575 Cargo Rd

Latitude: 28.41927°N **Longitude:** -80.59357°W



REC1622 /MEC16127

Szemer, Donna

From: Garrett, Andy
Sent: Wednesday, December 14, 2016 6:07 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey Hubbard, Katherine; Garrett, Matt
Cc:
Subject: Re: rescue update

REC1622

Sorry for the miss information, the orphaned calf died just before arriving at Sea World.

Sent from my iPhone

On Dec 14, 2016, at 5:31 AM, Garrett, Andy <Andy.Garrett@MyFWC.com> wrote:

Cape Canaveral:

The orphaned calf in Cape Canaveral was hoop netted yesterday afternoon and transported to Sea World.

Sanibel:

The FWC response team arrived in Sanibel and found the manatee in the same condition as the manatee observed in Placida. The manatee reacted to being approached by a vessel, but swimming and respirations showed signs of distress likely related to red tide biotoxin exposure. The manatee was not captured.

From: Garrett, Andy
Sent: Tuesday, December 13, 2016 4:44 PM
To: Adrienne Atkins <aatkins@mote.org>; Alicia Wellman <Alicia.Wellman@MyFWC.com>; Allison Perna <allison.perna@myfwc.com>; 'Amy Teague' <amy_teague@usgs.gov>; Anne Harvey <aharvey@savethemanatee.org>; 'Arielle Taylor-Manges' <Arielle.TaylorManges@dep.state.fl.us>; Barlas, Margie <Margie.Barlas@MyFWC.com>; Bassett, Brandon <Brandon.Bassett@MyFWC.com>; Bill Greer <bill.greer@myfwc.com>; Boyd, Denise <Denise.Boyd@MyFWC.com>; 'Buddy Powell' <jpowell@sea2shore.org>; 'Carol Knox' <carol.knox@myfwc.com>; Carollyn Parrish

From: Garrett, Andy
Sent: Wednesday, December 14, 2016 5:31 AM
To: (Group)
Subject: RE: rescue update

Cape Canaveral:

REC16 22

The orphaned calf in Cape Canaveral was hoop netted yesterday afternoon and transported to Sea World.

Sanibel:

The FWC response team arrived in Sanibel and found the manatee in the same condition as the manatee observed in Placida. The manatee reacted to being approached by a vessel, but swimming and respirations showed signs of distress likely related to red tide biotoxin exposure. The manatee was not captured.

From: Garrett, Andy
Sent: Tuesday, December 13, 2016 4:19 PM
To: (Group)
Subject: rescue update

Palatka:

RNE1613

The FWC-NEFL and Jax Zoo responded to a report of an entrapped manatee in Camp Branch Creek this afternoon. The 7 ft male manatee was captured and determined to be emaciated with cold stress (see attached photos IMG 1251,1253). The manatee is being transported to Sea World.

Cape Canaveral:

The FWC-ECFL is responding to a report of a 3-4 ft lethargic manatee with a thick algal mat in Cape Canaveral. A rescue team is responding.

Placida (Cape Haze):

FWC-SWFL biologists responded with FWC LE to a report of a struggling manatee in Cape Haze. Biologists described the manatee as motionless, until approached by the LE vessel. Once approached, the 9 ft manatee would react by swimming away, and then becoming motionless again. The face and muzzle were observed twitching during respirations. Due to the manatee's size and activity level, a rescue was not conducted (possible red tide).

Sanibel (Shell Point):

A FWC-SWFL rescue team is responding to a report of a manatee bobbing at the surface and arching its back uncontrollably in Sanibel. This manatee could potentially be another red tide case.

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: MEC16127
Date of Report: 2016-Dec-13
Filed By: FWC EC Field Station

FWC Case # 16513 FWC Region: NE
Sex: Female Length: 133 cm Weight: Not Taken kg

DATE REPORTED: 2016-Dec-13 By: CCAFS-A. Chambers to FWC NE Dispatch
DATE COLLECTED: 2016-Dec-13 By: FWC-DEC
DATE NECROPSIED: By:

LOCATION: State: FL Latitude: 28.41927 N
County: Brevard Longitude: -80.59357 W
Waterway: Port Canaveral

Locality description: Cape Canaveral, floating approximately 2.3 km NE of the Freddie Patrick Park boat ramp and 2.1 km ENE of 575 Cargo Rd.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Perinatal (<= 150 cm)

EXPLAIN: Undetermined: Other; Emaciated; Cold stress lesions; Heavy barnacle infestation. Rescued and died during transport. Frozen pending future necropsy.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial.

MATERIALS COLLECTED:

Genetics.

DISPOSITION OF MATERIAL: FWC EC Field Station pending distribution.

ADDITIONAL DATA:

Rescue report.

REMARKS:

PIT tag scan not performed. Died on 13 Dec 2016. Died at 1833 hrs. See rescue report REC1622.

| | |
|-----------------|-------------|
| Page 1&2 | 01 DEC 2017 |
| Necropsy Report | 01 DEC 2017 |
| Lat/Long | 01 DEC 2017 |

MORPHOMETRICS:

| | | | | | |
|---------------------|--------|----------------------|----|-------------------|----|
| Total length: | 133 cm | Fluke base: | cm | Girth at axillae: | cm |
| Snout to anus: | cm | Fluke width: | cm | | |
| Snout to U/G: | cm | Girth at fluke base: | cm | | |
| Snout to umbilicus: | cm | Girth at anus: | cm | | |
| Flipper width: | cm | Girth at umbilicus: | cm | Nail count: R: | L: |

| | | | | |
|--------------------------|----------------|----------------|--------------------------|----|
| | Ventral | Lateral | | |
| Skin Thickness: | cm | cm | | |
| Outer Blubber Thickness: | cm | cm | Abdominal Fat Thickness: | cm |
| Inner Blubber Thickness: | cm | cm | Epidermis Thickness: | cm |

| | | |
|------------|----------------------------------|----|
| Perinatal: | Ductus Arteriosis Diameter: | cm |
| | Left Pulmonary Artery Diameter: | cm |
| | Right Pulmonary Artery Diameter: | cm |

| | | |
|---------------------------------------|---------------------------|-------------------|
| Uterine Scarring Measurements: | | |
| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
| Right | | |
| Right | | |
| Left | | |
| Left | | |

| |
|---------------------------|
| Male Reproductive: |
|---------------------------|

| |
|-------------------------------|
| Fetus 1: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

| | | |
|----------------------------------|----------------------|--------------|
| Brevetoxin Results: | | |
| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

| |
|-------------------------------|
| Fetus 2: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

Rescue Report

Rescue / Deth
REC1623 ^{12/24/16} _{12/24/16}

GENERAL

| | | | | | |
|---|----------------------|--|---|------------------------|----|
| Date of Rescue: 24 December 2016 | | Date of Initial Call: 24 December 2016 | | Filed by: D. Carter | |
| Rescue ID: REC1623 | | Facility ID: | | Other ID: MEC16129 | |
| FWC Case Number: 16921 | | | FWC Region: NE | | |
| Sex: Female | Length: 139 cm | Estimated: No | Weight: 22.7 kg | Estimated: Yes | |
| PIT Tag Present: No | | PIT Tag Applied: No | | R: | L: |
| State: FL | City: Merritt Island | County: Brevard | | Waterway: Indian River | |
| Latitude (Decimal Degrees): 28.40429° N | | | Longitude (Decimal Degrees): -80.72099° W | | |
| Locality Description: approximately 260 m W of 2625 Lynwood Place | | | | | |
| Method of Capture: Hoop net | | | | | |

Calf by: self
(Calf Stranded)

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input checked="" type="checkbox"/> Cold Stress (Secondary) | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input checked="" type="checkbox"/> Orphan (Primary) | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: small, lone manatee, severe signs of cold stress: missing skin due to necrosis, algal mat on dorsum.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|-------------------------|--|
| 24 December 2016 | At 1222 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding a small lone manatee on the west side of Merritt Island, Brevard County. FWC case number 16921 was assigned. The complainant, Andy Sanchez (520-403-6886), said the manatee was about 2-3 feet long, alone, and showed little signs of movement. DEC received a photo |

from the complainant at 1236 hrs and noticed severe signs of cold stress. DEC forwarded the information to MMPL biologist-Andrew J. Garrett (AJG) and both agreed that the calf looked larger but was clearly suffering from cold stress and required a rescue. DEC contacted SeaWorld Florida (SWF)-Jon Peterson (JP) to ask if SWF had room for the animal and JP confirmed that space was available. The complainant called DEC to tell her that the manatee had moved towards the south end of the 528 Causeway, but the water was very shallow. At 1410 hrs, DEC and FWC volunteer-Leo Cross met at the site and noted that the animal was actually too small to be alone and would be considered an orphaned calf. With the help of L. Cross and local citizens, the manatee was hoop netted and brought to shore. After stimulating a few breaths and verifying gender, the calf was placed in the rescue truck and transported to SeaWorld. As the team was pulling into SeaWorld, the manatee stopped breathing and did not respond to any stimuli. The veterinarian attempted to revive the manatee with shots of epinephrine and a manual breathing pump, but was unsuccessful. The time of death was 1545 hrs. DEC transported the carcass to the Melbourne Marine Mammal Research Lab, performed an external examination, and froze it for future transport to MMPL.

PARTICIPANTS

FWC EC: Danielle E. Carter,
FWC volunteer: Leo Cross, local citizens

Edited by:
DJS
AJG

(Rev: 03/18/2013)

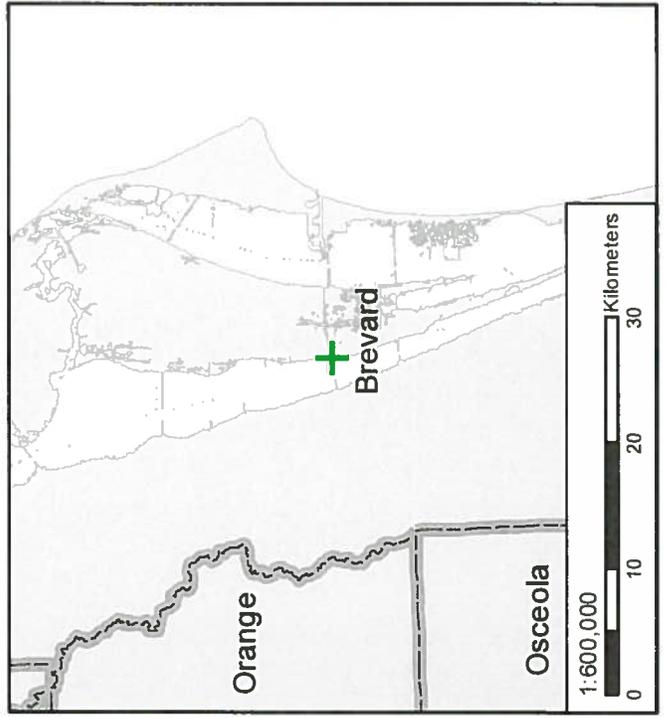
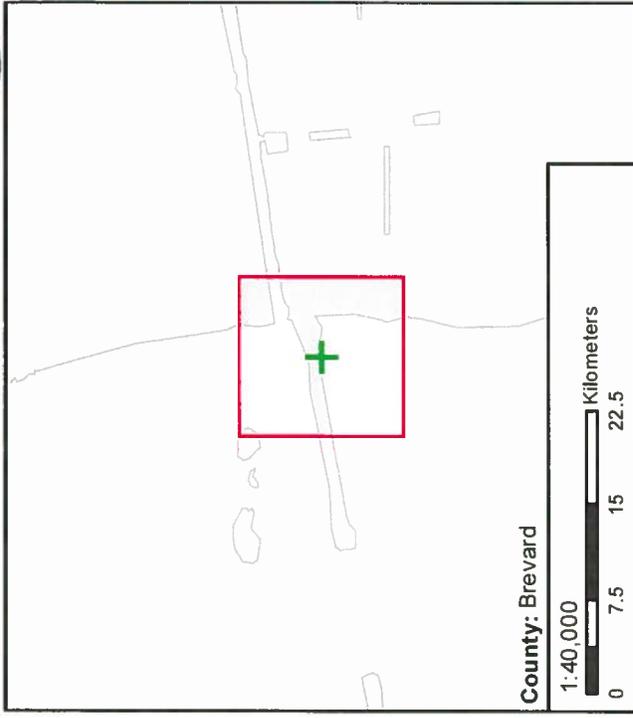


Verified Response Location of Manatee Rescue REC1623

Rescue Date: 12/24/2016

Facility ID: N/A

Map Created 5/23/2017



Locality Description:
approximately 260 m W of 2625 Lynwood Place

Latitude: 28.40429°N

Longitude: -80.72099°W

From: Garrett, Andy
Sent: Wednesday, December 28, 2016 8:42 AM
To: (Group)
Subject: rescue update

Bokeelia, FL:

RSW1628

Yesterday afternoon, the SWFL responded to a report of a 8 ft distressed manatee in Bokeelia. While with the manatee, the responding biologist observed the manatee barrel rolling, and at times, floating belly up (see attached photo IMG0352). These behaviors were likely due to red tide exposure. The biologist intervened and supported the manatee from a FWC LE vessel. The manatee was secured in a stretcher, transported to shore, and then transported to Lowry Park Zoo.

Merritt Island, FL:

REC1623

On Saturday, ECFL staff responded to a report of a small cold stressed orphaned calf in Merritt Island (see attached photo IMG958794). The manatee was captured and transported to Sea World. Unfortunately, the calf died just before being admitted to Sea World.

Placida, FL 12-22-2016:

RSW1627

Last Thursday, staff from the SWFL responded to a report of a stranded manatee with red tide symptoms in Placida. The manatee was transported to Lowry Park Zoo.

Placida, FL 12-21-2016:

RSW1626

Last Wednesday, staff from the SWFL responded to a report of a manatee with red tide symptoms in Placida. The manatee was transported to Lowry Park Zoo, but died a few hours after being admitted.

Charleston, SC 12-20-2016:

Last Tuesday, a capture team (Sea World, USFWS, and local stranding network members) captures one of two manatees using a paper mill outfall in Charleston. The manatee did not require facility care and was transported to and released in Brevard County. The capture team stayed overnight in hopes of catching the second manatee the following day, but the manatee did not show up at the outfall.



IMG958794

REC1623

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: MEC16129
Date of Report: 2016-Dec-24
Filed By: FWC EC Field Station

FWC Case # 16921 FWC Region: NE

Sex: Female Length: 131 cm Weight: Not Taken kg

DATE REPORTED: 2016-Dec-24 By: Citizen to FWC NE Dispatch
DATE COLLECTED: 2016-Dec-24 By: FWC-DEC
DATE NECROPSIED: 2017-Jun-08 By: MMPL-BLB,ALP FWC-ARH,WDG,ACP,HMH
ISM-K. Kuhn-Hendricks

LOCATION: State: FL Latitude: 28.40429 N
County: Brevard Longitude: -80.72099 W
Waterway: Indian River

Locality description: Merritt Island, approximately 260 m W of 2625 Lynwood Place.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Perinatal (<= 150 cm)

EXPLAIN: Natural: Cold Stress; Peanut-shaped head; Longitudinal folds; Cold stress lesions; Bleached epidermis;
Emaciated; Depleted fats; Relatively empty GI tract; Bloody eye, kidney, liver; Froth, fluid in left lung airways;
Fluid in abdominal cavity; Enlarged spleen.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial, Internal.

MATERIALS COLLECTED:

Genetics, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Perinatal evaluation performed. Rescue report.

REMARKS:

PIT tag scan negative. Died on 24 Jun 2017. Died at 1545 hrs. See rescue report REC1623. Manatee died during transport.

| | |
|-----------------|-------------|
| Page 1&2 | 01 DEC 2017 |
| Necropsy Report | 01 DEC 2017 |
| Lat/Long | 01 DEC 2017 |

MORPHOMETRICS:

| | | | | | |
|---------------------|--------|----------------------|-------|-------------------|-------|
| Total length: | 131 cm | Fluke base: | 40 cm | Girth at axillae: | 66 cm |
| Snout to anus: | 84 cm | Fluke width: | 31 cm | | |
| Snout to U/G: | 78 cm | Girth at fluke base: | 44 cm | | |
| Snout to umbilicus: | 50 cm | Girth at anus: | 55 cm | | |
| Flipper width: | 8 cm | Girth at umbilicus: | 76 cm | Nail count: R: 4 | L: 4 |

| | | | | |
|--------------------------|----------------|----------------|--------------------------|--------|
| | Ventral | Lateral | | |
| Skin Thickness: | 0.8 cm | 1.4 cm | | |
| Outer Blubber Thickness: | 1.3 cm | 0.6 cm | Abdominal Fat Thickness: | 0 cm |
| Inner Blubber Thickness: | 0 cm | 0.3 cm | Epidermis Thickness: | 0.1 cm |

| | | |
|--|---|--------|
| Perinatal: | Ductus Arteriosis Diameter: | 0.9 cm |
| Urachus closed at bladder tip. Umbilical arteries closed lateral to bladder and contained blood clots, ligamentous cranial to bladder. | Left Pulmonary Artery Diameter: | 1.2 cm |
| | Right Pulmonary Artery Diameter: | 1.3 cm |

| | | |
|---------------------------------------|---------------------------|-------------------|
| Uterine Scarring Measurements: | | |
| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
| Right | | |
| Right | | |
| Left | | |
| Left | | |

| |
|---------------------------|
| Male Reproductive: |
| |
| |
| |

| |
|-------------------------------|
| Fetus 1: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

| | | |
|----------------------------------|----------------------|--------------|
| Brevetoxin Results: | | |
| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

| |
|-------------------------------|
| Fetus 2: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

Resc / Dth
12/29/16 01/05/17

Rescue Report

REC1624

GENERAL

Date of Rescue: 29 December 2016 Date of Initial Call: 28 December 2016 Filed by: W. Greer
 Rescue ID: REC1624 Facility ID: SWFTm1631b Other ID: 'Tsunami', REC0507, SWFTm0512b
 FWC Case Number: 17074 FWC Region: NE
 Sex: Female Length: 305 cm Estimated: No Weight: 601 kg Estimated: No
 PIT Tag Present: Yes PIT Tag Applied: No R: 00-0683-3487 L: 00-0683-485D
 State: FL City: Melbourne County: Brevard Waterway: Crane Creek
 Latitude (Decimal Degrees): 28.07307° N Longitude (Decimal Degrees): -080.61813° W
 Locality Description: Approximately 50 m SW of 2343 Bignonia Street
 Method of Capture: Land based net set

*Undetermined
severe skin
lesions -
unknown
origin*

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): Severe skin lesions of unknown origin

All Other

Describe: Halo tail, numerous lesions throughout entire body.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|------------------|---|
| 28 December 2016 | At 1511 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding two manatees that were not moving in Crane Creek in Melbourne, Brevard County. FWC case number 17074 was assigned. The complainant, Alex Pressure (321-805-2433), said it was a mom-calf pair and the adult was breathing every 8-10 seconds and covered in white algae. At 1630 hrs, SMW and FWC biologist-William D. Greer (WDG) arrived |

Rescue Report

REC1624

at Crane Creek and determined that the manatees needed to be rescued. WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) with photos and AJG agreed about rescue. WDG contacted SWF-Jon Peterson and confirmed that SWF had space to take animals.

29 December 2016

At 0745 hrs, WDG found the manatees at the same location as the day before and contacted FWC volunteer-Joe Wolf to stay with the manatees. At 0915 hrs, WDG, SMW, FWC biologist-Amber R. Howell, FWC volunteers, and Brevard Zoo staff met at the Front St boat ramp to discuss rescue strategy then carpooled to the capture site. At 1020 hrs, SMW and FWC intern-Shelby Beard launched kayaks to coax the manatees to the capture site. At 1150 hrs, the manatees were captured using a land-based net set and loaded into the rescue truck. WDG, SMW, and volunteers arrived at SWF by 1345 hrs and both animals were transferred into a medical pool.

PARTICIPANTS

FWC EC: William D. Greer, Sara M. Wappes, Amber R. Howell

FWC intern: Shelby Beard

FWC volunteers: Joe Wolf, Leo Cross, Tomas Calvino, Kirk Fusco

Brevard Zoo: Rachel Smith, Micaela McPherson, Sam Jacques, Amanda Archer, Ashley Gill, Trevor Young

USFWS: Jason Lowe

FWC Officers: Ray Cybola, Seth Lowffler

Edited by:

DJS
AJG

(Rev. 03/18/2013)

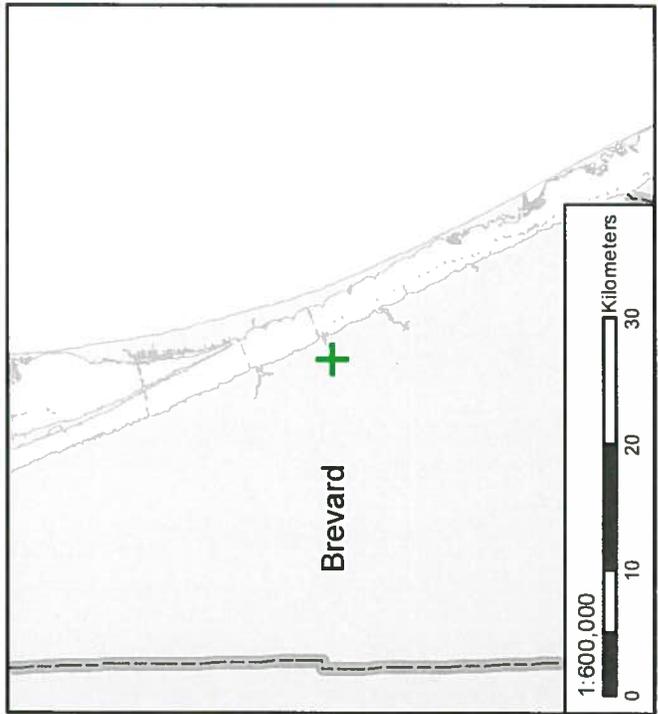
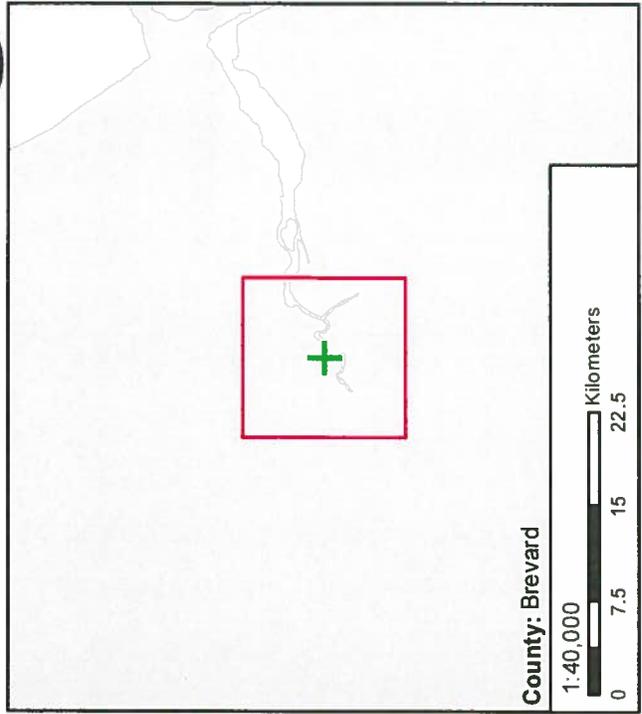
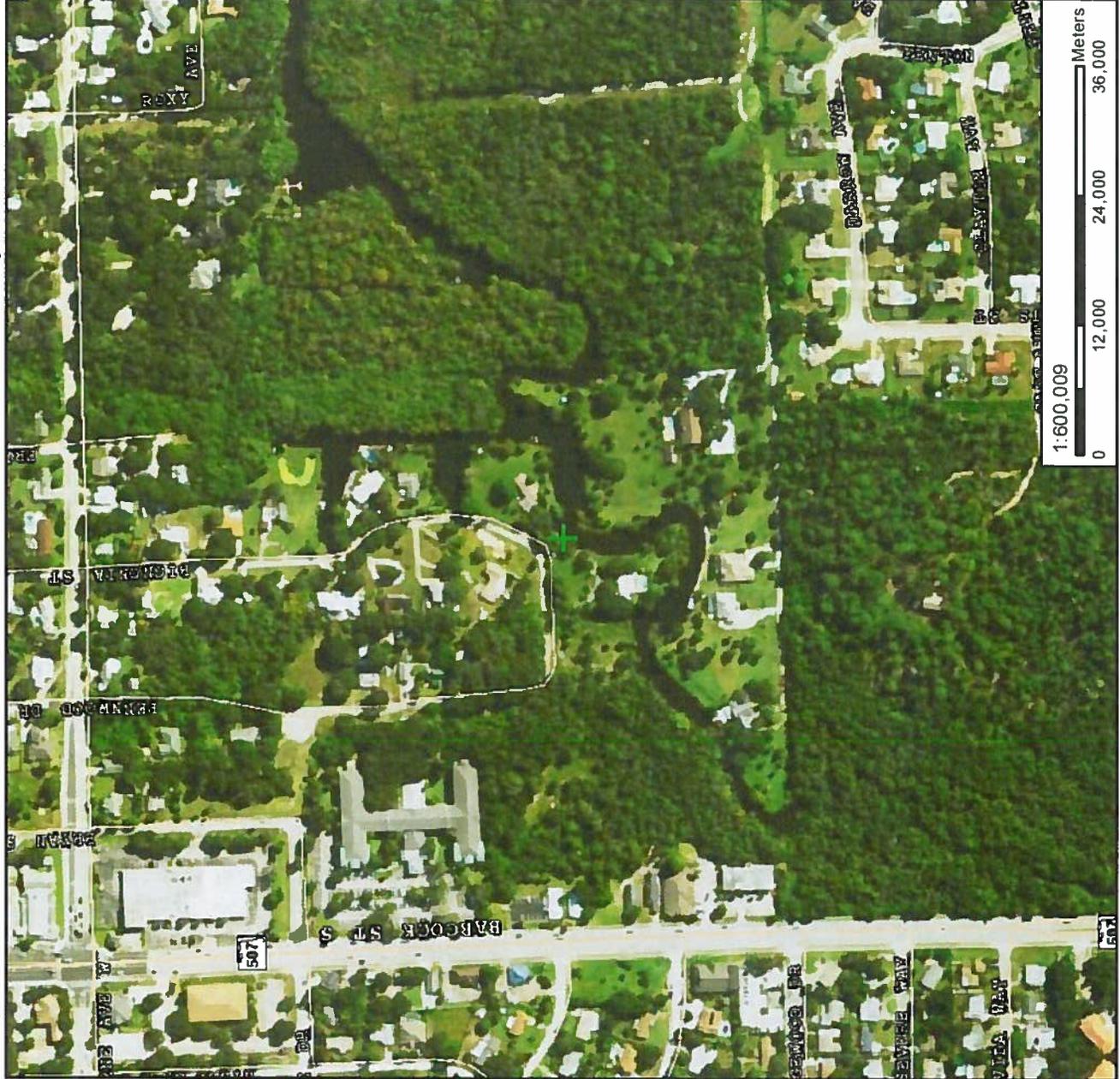


Verified Response Location of Manatee Rescue REC1624

Rescue Date: 12/29/2016

Facility ID: SWFTm1631b

Map Created 5/23/2017



Locality Description:
approximately 50 m SW of 2343 Bignonia Street

Latitude: 28.07307°N

Longitude: -80.61813°W

Szemer, Donna

From: Garrett, Andy
Sent: Tuesday, January 03, 2017 9:14 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update - "Tsunami"
Attachments: IMG_0440.jpg; IMG_2034.jpg; WAM 717 Tm approximate location.pdf; WAM 718 Tm location.pdf

Melbourne:

REC1624 & REC1625

Last Thursday, FWC-ECFL staff responded to a report of a distressed manatee mom with a small calf in Crane Creek (see attached IMG 0440). From the description and photos, it appeared that the mom had severe cold stress though the calf did not.

On Friday, a rescue team captured and transported the mom-calf pair to Sea World (see attached photo IMG 2034).

The mom was identified as "Tsunami" from the positive microchip scan. She was rescued in 2005 in Titusville for dual flipper entanglements and was 290 cm at rescue. She was rehabbed at Sea World and released in Oct 2006.

North Carolina:

There were two North Carolina manatee mortalities last week:

WAM 717 Tm - moderately decomposed 262 cm male found in the Lockwood Folly River. A map with the approximate carcass location attached.

WAM 718 Tm – badly decomposed 211 cm manatee was found on a small dredge spoil island just east of Southport. A map with the approximate carcass location attached.



REC1624

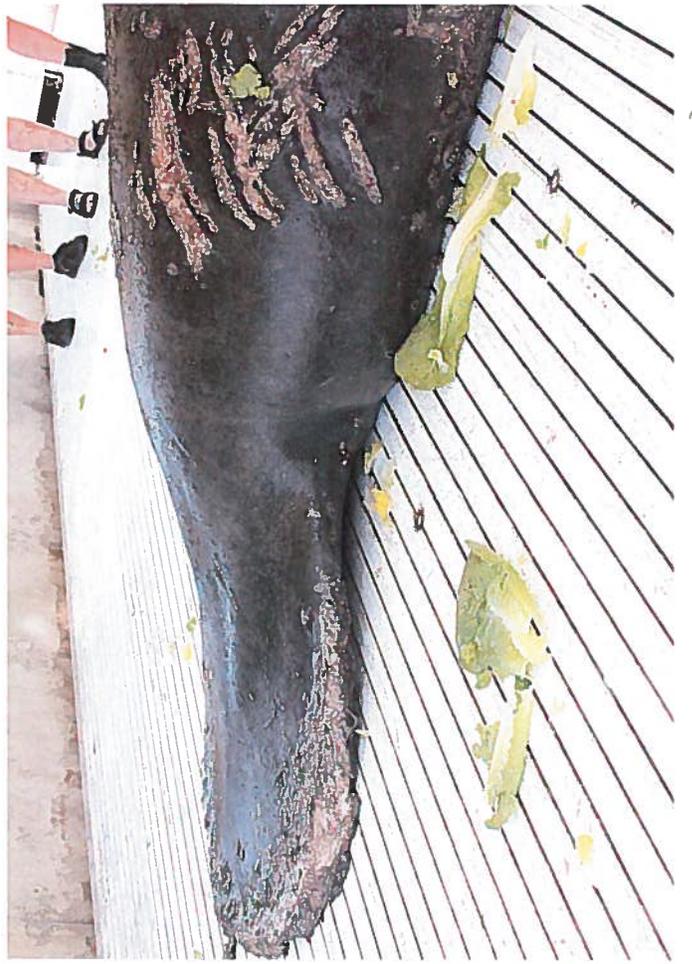


REC1625

REC1624



REC1624 / SWFTM16318 "Tsunami" (SWFTM05128)



REC1624/SWFTM1631B "Tsunami" (SWFTM05126)



REC1624 / SWFTM16318 "Tsunami" (SWFTM05128)



REC1624 / SWFTM1631B 'Tsunami' (SWFTM0512B)



REC16 24 / SWFTM1631B "Funami" (SWFTM0512B)

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: SWFTm1631b
Date of Report: 2017-Jan-05
Filed By: FWC MMPL

FWC Case # 17074

FWC Region: NE

Sex: Female

Length: 295 cm

Weight: 582.0 kg

DATE REPORTED: 2017-Jan-05

By: SeaWorld-JP to MMPL-AJG

DATE COLLECTED: 2017-Jan-05

By: FWC-WDG

DATE NECROPSIED: 2017-Jan-06

By: MMPL-MdW,BLB,BDB,ALP,DJS FWC-WDG

LOCATION: State: FL

Latitude: 28.07307 N

County: Brevard

Longitude: -80.61813 W

Waterway: Crane Creek

Locality description: Melbourne, approximately 50 m SW fo 2343 Bignonia Street.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Undetermined: Other

EXPLAIN: Abscess(es); Serous fats; Wet lung(s); Relatively empty GI tract; Extensive deep, ulcerating, necrotic skin lesions with raw and loose dermis; Necrotic watercraft wounds; Enlarged, firm, purulent, necrotic kidney; Enlarged, friable liver; Swollen lung; Mucus in airways; Congested mesenteries, urinary bladder mucosa, parietal pleura; Enlarged adrenal glands, spleen, T-septal lymph nodes; Gas bubbles in colon mesentery; Specks parietal pleura. The manatee died from a bacterial infection. The origin of the infection could not be determined (watercraft wounds vs. natural), therefore the COD is undetermined.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Scar, Fluke, Cranial, Internal, Other (Lesions).

MATERIALS COLLECTED:

Genetics, Earbone, ELISA toxicology samples, Archive toxicology samples, Histology, Partial skeleton (Flippers). -80 sample: kidney.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Histology report. Rescue report.

REMARKS:

PIT tag scan positive (Left: 00-0683-485D; Right: 00-0683-3487). Lactating. Uterine Scar. Died on 05 Jan 2017. Died in facility. Found dead the morning of 05 January. See rescue report REC1624. Entanglement scar left flipper with fused elbow joint. Amputated right flipper. Luxated right humerus. Hemorrhagic lesion on tongue. Freezebrand "E0". Known as "Tsunami", REC0507, SWFTm0512b, previously rescued in 2005 for flipper entanglements.

| | |
|-----------------|-------------|
| Page 1&2 | 03 MAY 2018 |
| Necropsy Report | 03 MAY 2018 |
| Lat/Long | 03 MAY 2018 |

Field ID #: SWFTm1631b

MORPHOMETRICS:

| | | | | | |
|---------------------|--------|----------------------|--------|-------------------|--------|
| Total length: | 295 cm | Fluke base: | 89 cm | Girth at axillae: | 169 cm |
| Snout to anus: | 195 cm | Fluke width: | cm | | |
| Snout to U/G: | 177 cm | Girth at fluke base: | 129 cm | | |
| Snout to umbilicus: | 112 cm | Girth at anus: | 178 cm | | |
| Flipper width: | cm | Girth at umbilicus: | 226 cm | Nail count: R: | L: |

| | Ventral | Lateral | | |
|--------------------------|---------|---------|--------------------------|----|
| Skin Thickness: | cm | cm | | |
| Outer Blubber Thickness: | cm | cm | Abdominal Fat Thickness: | cm |
| Inner Blubber Thickness: | cm | cm | Epidermis Thickness: | cm |

| | | |
|------------|----------------------------------|----|
| Perinatal: | Ductus Arteriosis Diameter: | cm |
| | Left Pulmonary Artery Diameter: | cm |
| | Right Pulmonary Artery Diameter: | cm |

| Uterine Scarring Measurements: | | |
|--------------------------------|--------------------|------------|
| Side | Circumference (cm) | Width (cm) |
| Right | 5.5 | 5.3 |
| Right | | |
| Left | 4.4 | 5 |
| Left | | |

| Male Reproductive: | | |
|--------------------|--|--|
|--------------------|--|--|

| |
|-------------------------------|
| Fetus 1: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

| Brevetoxin Results: | | |
|---------------------------|---------------|-------|
| Tissue | Concentration | Units |
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

| |
|-------------------------------|
| Fetus 2: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

Rescue Report

REC1625

Resc
12/29/16

GENERAL

Date of Rescue: 29 December 2016 Date of Initial Call: 28 December 2016 Filed by: W. Greer
Rescue ID: REC1625 Facility ID: SWFTm1632b Other ID: Gale
FWC Case Number: 17074 FWC Region: NE
Sex: Female Length: 198 cm Estimated: No Weight: 154 kg Estimated: No
PIT Tag Present: No PIT Tag Applied: No R: L:
State: FL City: Melbourne County: Brevard Waterway: Crane Creek
Latitude (Decimal Degrees): 28.07307° N Longitude (Decimal Degrees): -080.61813° W
Locality Description: Approximately 50 m SW of 2343 Bignonia Street
Method of Capture: Land based net set

*Calf of Rescued
Mother*

REASON FOR RESCUE

Check one of the following:

- Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): Dependent calf of target rescue manatee

All Other

Describe: Calf of rescued mom, "Tsunami"(SWFTM1631B/SWFTM0512B)

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|------------------|---|
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at Crane Creek and determined that the manatees needed to be rescued. WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) with photos and AJG agreed about rescue. WDG contacted SWF-Jon Peterson and confirmed that SWF had space to take animals.

29 December 2016

At 0745 hrs, WDG found the manatees at the same location as the day before and contacted FWC volunteer-Joe Wolf to stay with the manatees. At 0915 hrs, WDG, SMW, FWC biologist-Amber R. Howell, FWC volunteers, and Brevard Zoo staff met at the Front St boat ramp to discuss rescue strategy then carpooled to the capture site. At 1020 hrs, SMW and FWC intern-Shelby Beard launched kayaks to coax the manatees to the capture site. At 1150 hrs, the manatees were captured using a land-based net set and loaded into the rescue truck. WDG, SMW, and volunteers arrived at SWF by 1345 hrs and both animals were transferred into a medical pool.

PARTICIPANTS

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FWC intern: Shelby Beard

FWC volunteers: Joe Wolf, Leo Cross, Tomas Calvino, Kirk Fusco

Brevard Zoo- Rachel Smith, Micaela McPherson, Sam Jacques, Amanda Archer, Ashley Gill, Trevor Young

USFWS: Jason Lowe

FWC LE Officers: Ray Cybola, Seth Lowffler

Edited by:

DJS
AJG

(Rev: 03/18/2013)

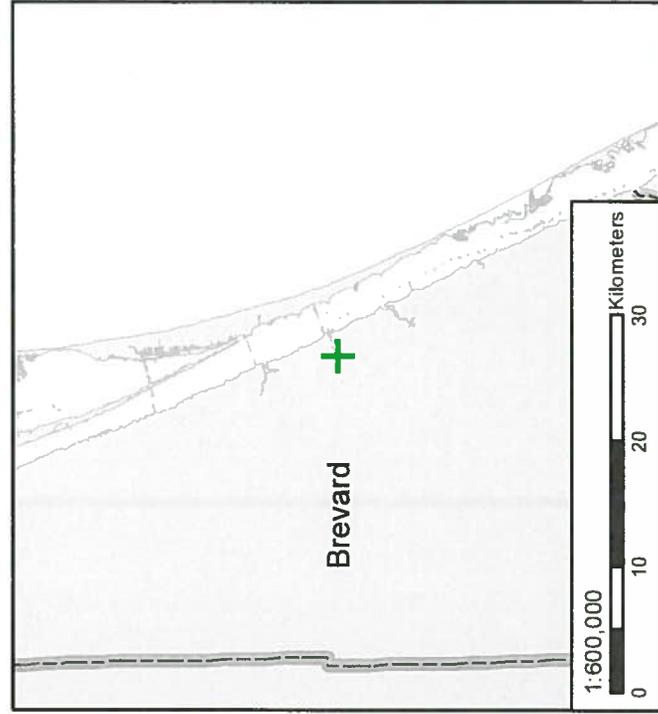


Verified Response Location of Manatee Rescue REC1625

Rescue Date: 12/29/2016

Facility ID: SWFTm1632b

Map Created 5/23/2017



Locality Description:
approximately 50 m SW of 2343 Bignonia Street

Latitude: 28.07307°N

Longitude: -80.61813°W

Szemer, Donna

From: Garrett, Andy
Sent: Tuesday, January 03, 2017 9:14 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carolyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernel, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update - "Tsunami"
Attachments: IMG_0440.jpg; IMG_2034.jpg; WAM 717 Tm approximate location.pdf; WAM 718 Tm location.pdf

Melbourne:

REC1624 + REC1625

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On Friday, a rescue team captured and transported the mom-calf pair to Sea World (see attached photo IMG 2034).

The mom was identified as "Tsunami" from the positive microchip scan. She was rescued in 2005 in Titusville for dual flipper entanglements and was 290 cm at rescue. She was rehabbed at Sea World and released in Oct 2006.

North Carolina:

There were two North Carolina manatee mortalities last week:

WAM 717 Tm - moderately decomposed 262 cm male found in the Lockwood Folly River. A map with the approximate carcass location attached.

WAM 718 Tm – badly decomposed 211 cm manatee was found on a small dredge spoil island just east of Southport. A map with the approximate carcass location attached.

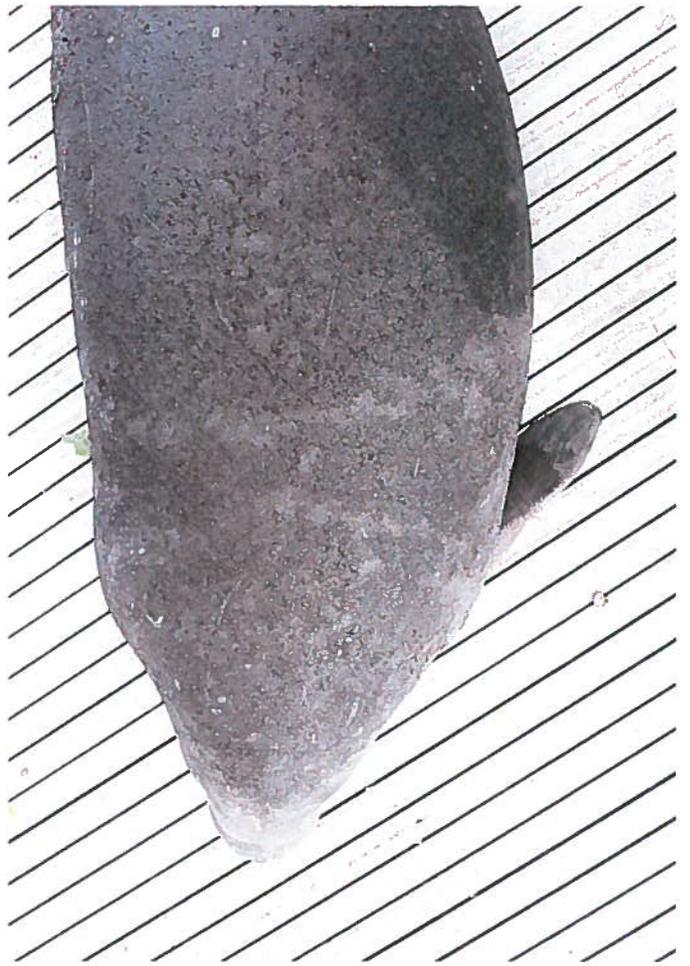
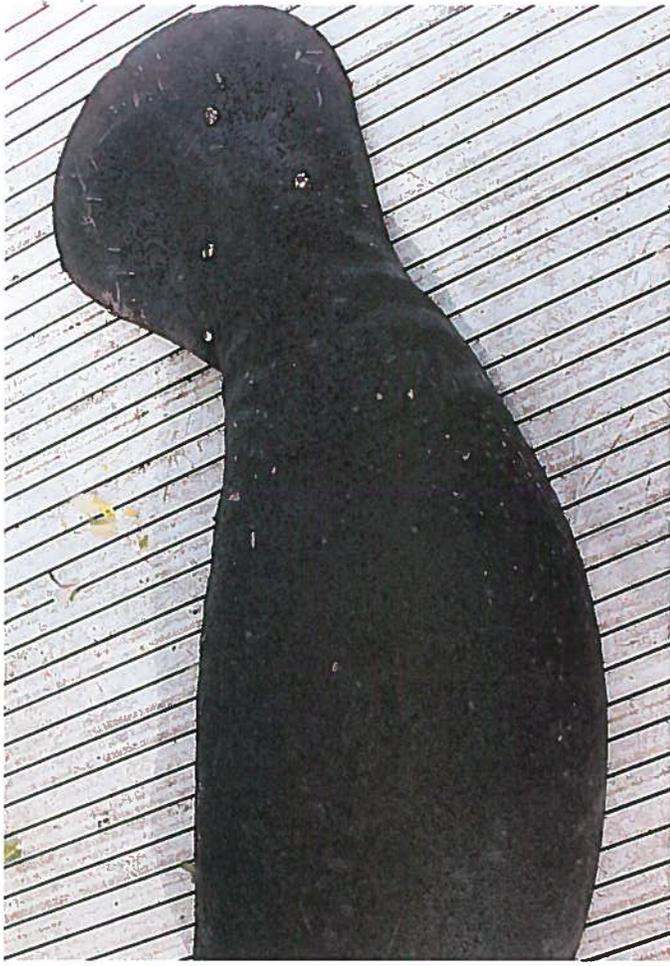


REC1625

REC1624



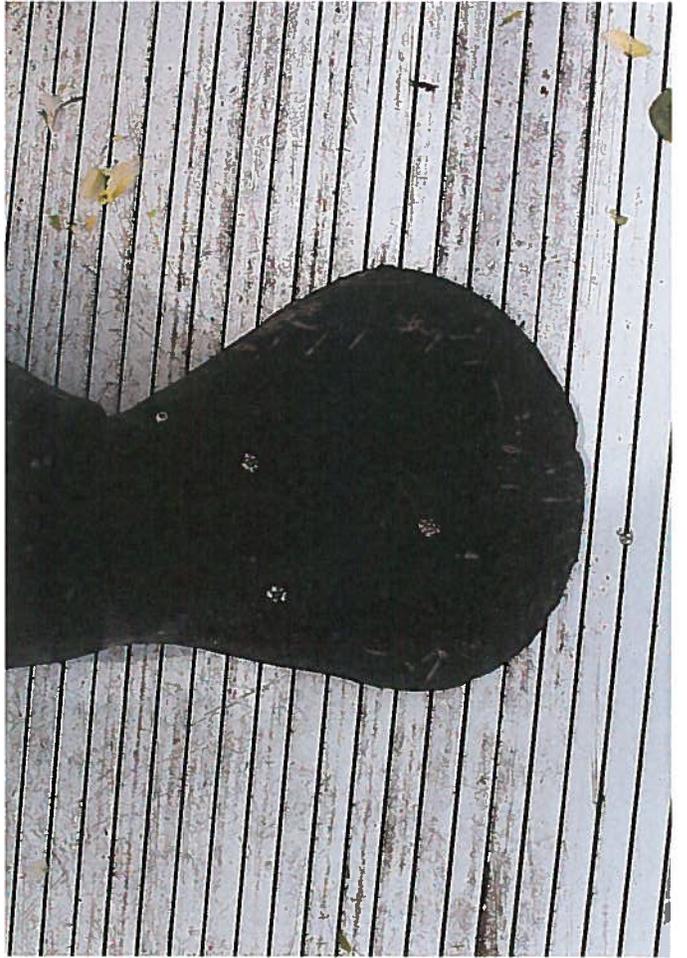
REC1624



REC1625 / SW FTM1632B



REC1625
SW FTM 1632B



Florida Fish and Wildlife Conservation Commission

Manatee (*Trichechus manatus*)

Time caught (727) 896-8626

Temporary ID: _____
 Date: 29 NOV 2017

Time Net Set: 0910
 Time Captured (Onboard): _____

Sex: M / (F)

Time On Beach: _____

Latitude: _____ N

Time Released: _____

Longitude: _____ W

Data Recorder: _____

Event: Capture Rescue Pre-release Assess. Release Post-release Assess.

Air Temp = C F Water Temp = C F Wind: _____ mph Cloud Cover: S PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|---------------|-------------------------------------|---|------------------|
| | <u>704 #</u> | <u>790 #</u> | <u>86# (wet)</u> |
| Lengths | Total Length (curvilinear) (cm) | <u>259, 260, 260</u> | |
| | Total Length (straight) (cm) | <u>239, 229, 243, 245</u> | |
| | Snout to Peduncle (cm) | <u>178, 182</u> | |
| | Snout to Anus (cm) | <u>158</u> | |
| | Snout to Umbilicus (cm) | <u>88</u> | |
| Girths | Girth at Peduncle: (actual) or 1/2 | Ultrasound Loc: <u>102 cm</u> Belt Loc: <u>100 in</u> | |
| | Girth at Anus: (actual) or 1/2 | <u>142 cm</u> | |
| | Girth at Umbilicus: (actual) or 1/2 | <u>191 cm</u> | |
| | Girth at Axilla: (actual) or 1/2 | <u>144 cm</u> | |

| ULTRASOUND | | Reader Name: | | | |
|------------------------------|-------------------|----------------|-----------------|----------------|----------------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>MID LINE 1</u> | <u>0.85 cm</u> | <u>0.641 cm</u> | <u>1.07 cm</u> | <u>1.15 cm</u> |
| Other: | <u>2</u> | <u>1</u> | <u>1</u> | <u>1</u> | |
| | <u>3</u> | <u>1</u> | <u>1</u> | <u>1</u> | |

| CONDITION | Body Score: 1 2 3 4 5 | | | | |
|--------------------------------|---|------|------|-----------|--------------------------|
| | Poor | Fair | Good | Very Good | Excellent / Undetermined |
| Peanut shaped head? | <u>Y / N</u> | | | | |
| Ribs visible? | <u>Y / N</u> | | | | |
| Side between anus & peduncle: | <u>Rounded / Flat / Concave</u> | | | | |
| Ventrum: | <u>Rounded / Flat / Concave / Ventral Folds</u> | | | | |
| Fresh Wounds or Lesions: | <u>Y / N (describe in comments)</u> | | | | |
| Person(s) assessing condition: | _____ | | | | |

| REPROD. STATUS | Pregnant? Y / N If so, describe: |
|----------------|----------------------------------|
| Lactating? | <u>Y / N</u> |

| SAMPLES | Milk sample collected? stored? | Y / N | Refrig / Freeze |
|---------------------|-----------------------------------|--------------|-----------------------------------|
| <u>3 Red tubes</u> | Volume of milk collected? / Teat? | | <u>ml / right left both</u> |
| <u>2 LAV. tubes</u> | Person collecting milk? | | |
| <u>1/29/17 1130</u> | Urine? stored? | <u>Y / N</u> | <u>Refrig / Freeze</u> |
| | (Fecal?) stored? | <u>Y / N</u> | <u>Freeze / 5% NBF / 70% ETOH</u> |
| | Skin? stored? | <u>Y / N</u> | <u>Refrig / Freeze / DMSO</u> |
| | Cookie? | <u>Y / N</u> | <u>Location:</u> |

| MONITORING | Heartrate: Stethoscope EKG Pulse-Oximeter None | Data Sheets? Y N |
|--|--|------------------|
| Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None | <u>97.4</u> | <u>Y N</u> |

Heart RATE 52
 BREATHING (2)

Manatee ID: SWFTML632B Manatee Name: Gale

Date: 29 NOV 2017

| | | | | |
|---------------------|---------------------------------|---------------------------------------|--|------------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: | | |
| | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| | 1 | | | L / R |
| | 2 | | | L / R |
| | 3 | | | L / R |
| | Drawn by: | | | |
| | # Tubes of Blood Collected | Blue: | Red: <u>3</u> | Purple: <u>2</u> |
| | <u>1130</u> <u>11/29/17</u> | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | <u>Y</u> / N | PIT tagged at this capture? <u>Y</u> / (N) | |
| | PIT tagged by: | <u>Delta</u> | | |
| | Right # | <u>00 - 07 99 - D7 6 0</u> | | |
| | Left # | <u>00 - 07 AB - C 6 8 A</u> | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC _____ Length: _____" Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: _____ | | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: | ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | | | |
| | Exposures: | | | |
| SKETCHES | Sketched by: | | | |

Comments

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF Trm 1632B Temporary ID: _____ Time Net Set: _____
 Name: Gale Date: 24 January 2018 Time Captured (Onboard): _____
 Sex: M / (F) Time On Beach: _____
 ID of its Calf / Mom: _____ Latitude: _____ N Time Released: _____
 Location: S FL MUSEUM Longitude: _____ W Data Recorder: _____
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = _____ C F Water Temp = _____ C F Wind: _____ mph Cloud Cover: S PC MC O R

| | | | |
|----------------------|------------------------------------|---|----------------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>736</u> | Manatee + stretcher <u>827</u> | Stretcher weight <u>89</u> |
| | Lengths | Total Length (curvilinear) (cm) <u>262</u> | |
| | Total Length (straight) <u>252</u> | | |
| | Snout to Peduncle <u>184.5</u> | | |
| | Snout to Anus <u>163</u> | | |
| | Snout to Umbilicus <u>97</u> | | |
| Girths | Girth at Peduncle: (actual) or 1/2 | Ultrasound Loc: <u>104</u> cm Belt Loc: <u>105</u> in | |
| | Girth at Anus: actual or 1/2 | <u>142</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>190</u> | |
| | Girth at Axilla: actual or 1/2 | <u>141</u> | |

| | | | | |
|------------------------------|---------------|--------------------|----------|----------|
| ULTRASOUND | | Reader Name: _____ | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>NA</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>NA</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | | |
|------------------|---|---|
| CONDITION | Body Score: 1 2 3 <u>4</u> 5 | |
| | Poor Fair Good Very Good Excellent / Undetermined | |
| | Peanut shaped head? <u>Y / (N)</u> | Ribs visible? <u>Y / (N)</u> |
| | Side between anus & peduncle: | <u>Rounded / Flat / Concave</u> |
| | Ventrum: | <u>Rounded / Flat / Concave / Ventral Folds</u> |
| | Fresh Wounds or Lesions: | <u>Y / N (describe in comments)</u> |
| | Person(s) assessing condition: | <u>DMurphy</u> |

| | |
|-----------------------|---|
| REPROD. STATUS | Pregnant? <u>Y / (N)</u> If so, describe: _____ |
| | Lactating? <u>Y / (N)</u> |

| | | |
|----------------|---|----------------------------|
| SAMPLES | Milk sample collected? stored? <u>Y / N</u> | Refrig / Freeze |
| | Volume of milk collected? / Teat? | ml / right left both |
| | Person collecting milk? | |
| | <u>NA</u> Urine? stored? <u>Y / N</u> | Refrig / Freeze |
| | Fecal? stored? <u>Y / N</u> | Freeze / 5% NBF / 70% ETOH |
| | Skin? stored? <u>Y / N</u> | Refrig / Freeze / DMSO |
| | Cookie? <u>Y / N</u> | Location: _____ |

| | |
|-------------------|---|
| MONITORING | Heartrate: Stethoscope <u>(EKG)</u> Pulse-Oximeter None <u>Data Sheets? (Y) (N)</u> |
| | Temperature: Oral Naso-pharyngeal Rectal None <u>Y (N)</u> |
| | Respiratory Rate? <u>(Y) (N)</u> <u>4/5 mins</u> <u>Y (N)</u> |

(e SpinaTus) 4/5min HR 48 BPM

Manatee ID SWFTM1632B Manatee Name: Grale

Date: 1-24-18

| | | | | |
|---------------------|--|---------------------------------------|-----------------------------|------------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: <u>0</u> | | |
| <u>NA</u> | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| | 1 | | | <u>L / R</u> |
| | 2 | | | L / R |
| | 3 | | | L / R |
| | Drawn by: <u>DMurphy</u> | | | |
| | # Tubes of Blood Collected | Blue: | Red: <u>2</u> | Purple: <u>2</u> |
| | <u>4</u> | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | Y / (N) | PIT tagged at this capture? | Y (N) |
| | PIT tagged by: | <u>Scanned at assessment on</u> | | |
| | Right # | <u>- 11/29/17</u> | | |
| | Left # | <u>no scanner available today</u> | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC _____ Length: _____" Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: | ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | | | |
| | Exposures: | <u>NA</u> | | |
| SKETCHES | Sketched by: | | | |
| Comments | <p><u>Pre-release check - thorough pre-release assessment was conducted on 11/29/17</u></p> <p><u>PIT-tags applied previously by SWF</u></p> | | | |

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTM/6323/REC1625 Capture ID: _____ Data Recorder: BILL GREER
 Name: 'GALÉ' Date: 07 MAR 2018
 ID of its Calf / (Mort): 'TSUNAMI' Sex: M / (F)

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: CRANE CREEK
 Latitude: 28.0767167 N
 Longitude: -080.6039139 W
 Water Temp: 23.4 (C) F

TIMES
 Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1215

EVENT: ___ Capture ___ Rescue ___ Pre-release Assess. x Release ___ Post-release Assess.
 Workup Site: Air Temp = 26.9 (C) F Wind: 0.3 mph NE Cloud Cover: S (PC) MC O R

| | | | |
|----------------------|--|-------------------------------|--------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>372 kg</u> | Manatee + stretcher | Stretcher weight |
| Lengths | Total Length (curvilinear) (cm) | <u>269</u> | |
| | Total Length (straight) | <u>245</u> | |
| | Snout to Peduncle | <u>178</u> | |
| | Snout to Anus | <u>164</u> | |
| | Snout to Umbilicus | <u>78</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>109</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>139</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>190</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>154</u> | |

| | | | | |
|------------------------------|--------------------|-----------|----------|----------|
| ULTRASOUND | Reader Name: _____ | | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | |
|------------------------------------|--|
| CONDITION | Body Score: <u>1</u> <u>2</u> <u>(3)</u> <u>4</u> <u>5</u> |
| Health Concerns? | <u>Y / (N)</u> (If yes, describe in comments) |
| Peanut shaped head? <u>Y / (N)</u> | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | <u>(Rounded)</u> / Flat / Concave |
| Ventrum: | Rounded / <u>(Flat)</u> / Concave / Ventral Folds |
| Fresh Wounds or Lesions: | <u>Y / (N)</u> (If yes, describe in comments) |
| Person(s) assessing condition: | <u>WILLIAM D. GREER</u> |
| Clinical Assessment Data Sheet? | <u>Y / (N)</u> |

| | |
|-----------------------|--|
| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: _____ |
| Lactating? | <u>Y / (N)</u> |

| | |
|--|---|
| MONITORING | Heartrate: <u>(Stethoscope)</u> EKG Doppler None Data Sheets? <u>Y (N)</u> |
| Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> | <u>Y (N)</u> |
| Respiratory Rate? <u>(Y) N</u> | <u>Y (N)</u> |

| | |
|---------------------|--|
| FREEZE BRAND | Letters/Numbers applied: _____ Applied by: _____ |
| Location(s): _____ | |

Manatee ID: SWF Tm 1632B/REC1625 Capture ID

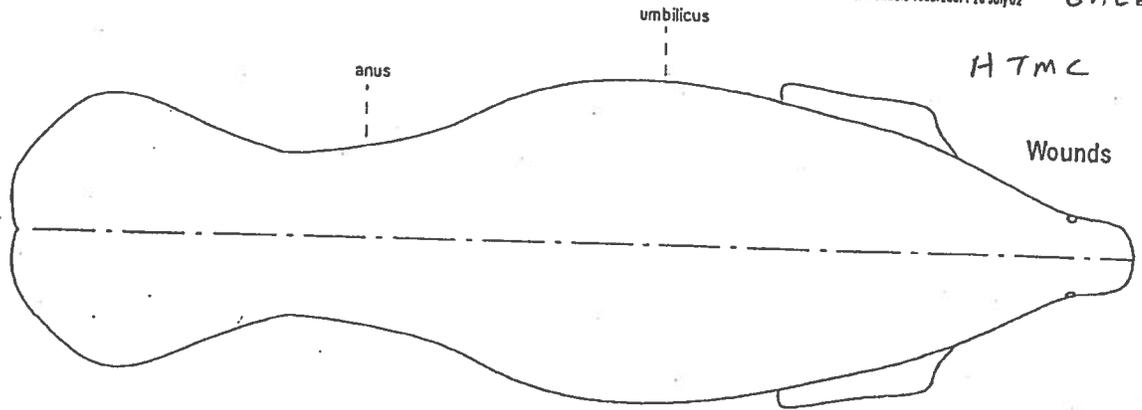
Date: 07 MAR 2018

| | | | | |
|--------------------|---|---|-------------|-------------------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / N | Freeze / EtOH | | |
| | Skin Scraping? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? Y / N Oral / Rectal | Refrig | | |
| | Other? Y / N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / N | PIT tagged at this capture? Y / <input checked="" type="checkbox"/> N | | |
| | PIT tagged by: | SWF - JON PETERSON | | |
| | Right # | Ø Ø - Ø 7 9 9 - 0 7 6 Ø | | |
| | Left # | Ø Ø - Ø 7 A B - C 6 8 A | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / tcc | Length: _____ ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | DANIELLE E CARTER | | |
| | Exposures: | FWC 025_2018-03-07-9238 - 9258 | | |
| SKETCHES | Sketched by: | HAZLEY T.M. CARRUTHERS (ECIFL INTERN) | | |
| COMMENTS | ENVIRONMENTAL INFO COLLECTED AT 1220 | | | |

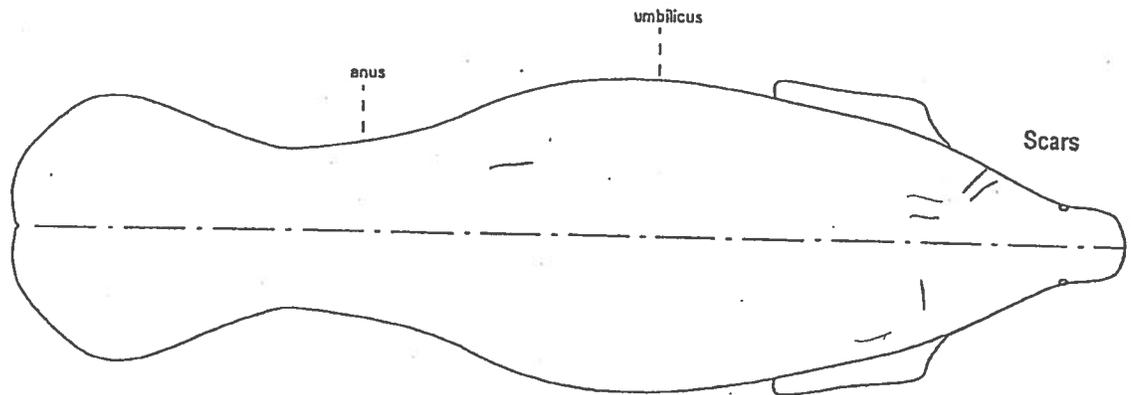
Date 07 MAR 2018

Field I.D. SWFTM1632 B/REC1625

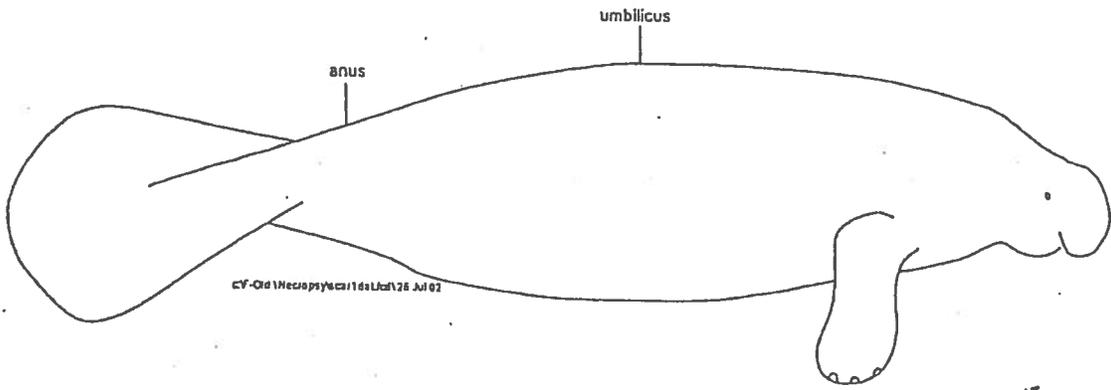
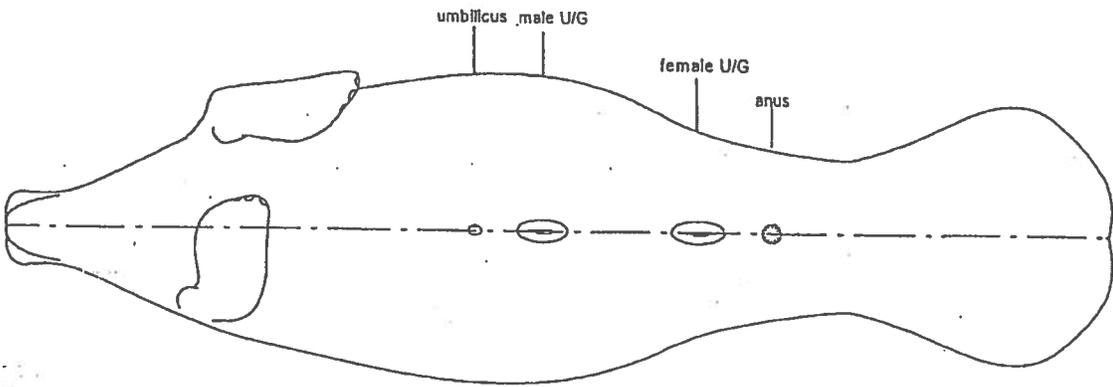
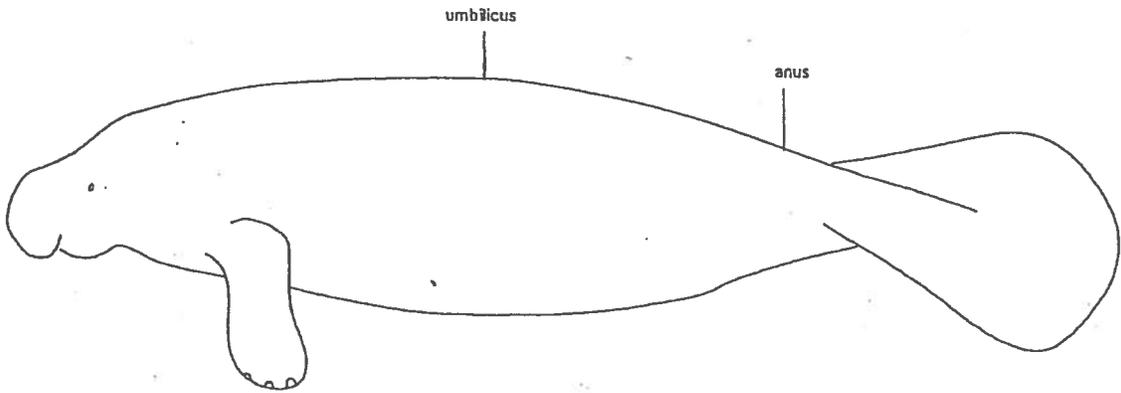
cf. Manuals 1scar2dat1 26 July 02 'GALE'



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SWF7m1632B/REC1625



CF-061 Hecopyscus 16a Lbl 126 Jul 02

Resc
1/9/17

Rescue Report

REC1702

*Calf by itself
(Respir. Distress
+ Poss. Cold Strain)*

GENERAL

Date of Rescue: 09 January 2017 Date of Initial Call: 09 January 2017 Filed by: W. Greer

Rescue ID: REC1702 Facility ID: SWFTm1701b Other ID: "Boca"

FWC Case Number: N/A FWC Region: NE

Sex: Male Length: 183 cm Estimated: No Weight: 136 kg Estimated: No

PIT Tag Present: No PIT Tag Applied: No R: L:

State: FL County: Brevard City: Merritt Island Waterway: Banana River

Latitude (Decimal Degrees): 28.33491° N Longitude (Decimal Degrees): - 80.66113° W

Locality Description: Banana River Marina, 55 m SSW of 1255 S Banana River Dr

Method of Capture: Hoop net from boat

REASON FOR RESCUE

Check one of the following:

- Watercraft Entanglement Entrapment (Human)
- Cold Stress Red Tide Tidally Stranded
- Orphan Other: (Specify): Respiratory distress

All Other

Describe: small, breathing every 60-90 secs with occasional periods of elevated respirations, lethargic, large white abscesses, possible cold compromised

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|-----------------|--|
| 09 January 2017 | At 1021 hrs, FWC biologist-William D. Greer (WDG) received a call from Sea to Shore biologist-Melody Fischer (MF), (954-614-2281), regarding a small, lethargic manatee that appeared to be in respiratory distress at the Banana River Marina in Merritt Island, Brevard County. MF said the animal was about 4-5 feet in length, staying at the surface and was not behaving like other manatees |

in the area that were bottom resting in mud. At 1125 hrs, WDG arrived and agreed with MF's assessment. At 1138 hrs, WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) and advised him of situation and requested permission to rescue the manatee. AJG agreed that the manatee should be rescued. At 1146 hrs, WDG contacted Sea World Orlando-Jon Peterson (JP) and confirmed that they could receive the manatee if it was rescued, JP agreed. At 1345 hrs, WDG, FWC biologist-Danielle E. Carter (DEC) and FWC volunteer-Leo Cross launched the ECFL Key West from the Ramp Road boat ramp in Cocoa Beach. At 1438 hrs, the manatee was captured with a hoop net from the Key West. At 1705 hrs, WDG and DEC arrived at Sea World Orlando and the manatee was transferred to a medical pool.

PARTICIPANTS

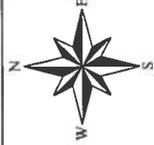
FWC EC: William D. Greer, Danielle E. Cater

FWC volunteer: Leo Cross

Edited by:

DJS
AJG

(Rev: 03/18/2013)



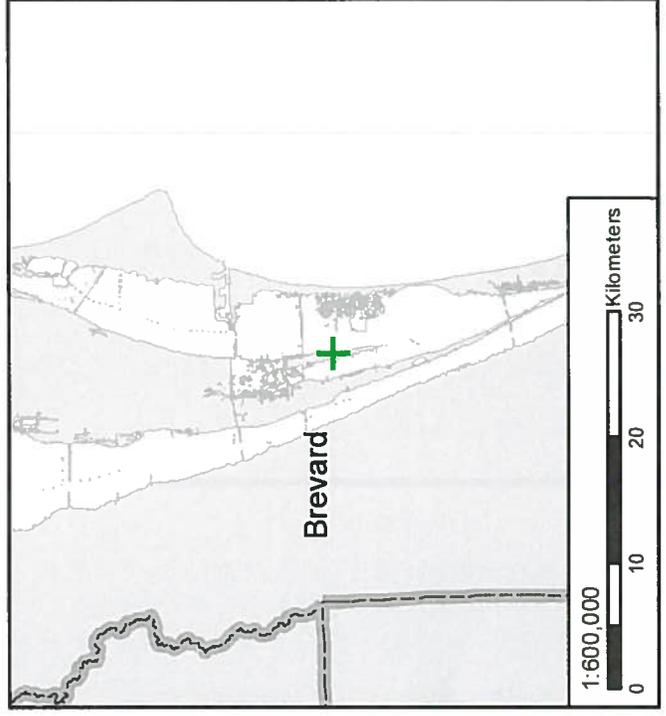
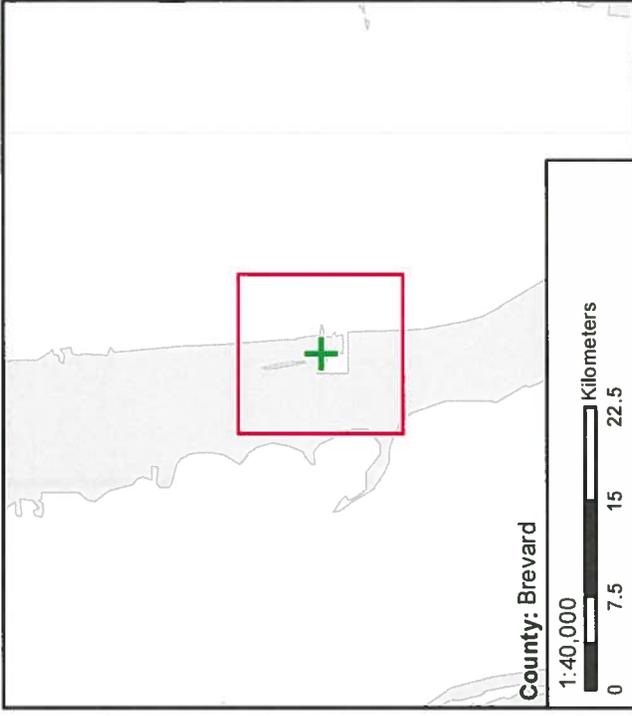
Verified Response Location of Manatee Rescue REC1702



Rescue Date: 1/9/2017

Facility ID: SWFTm1701b

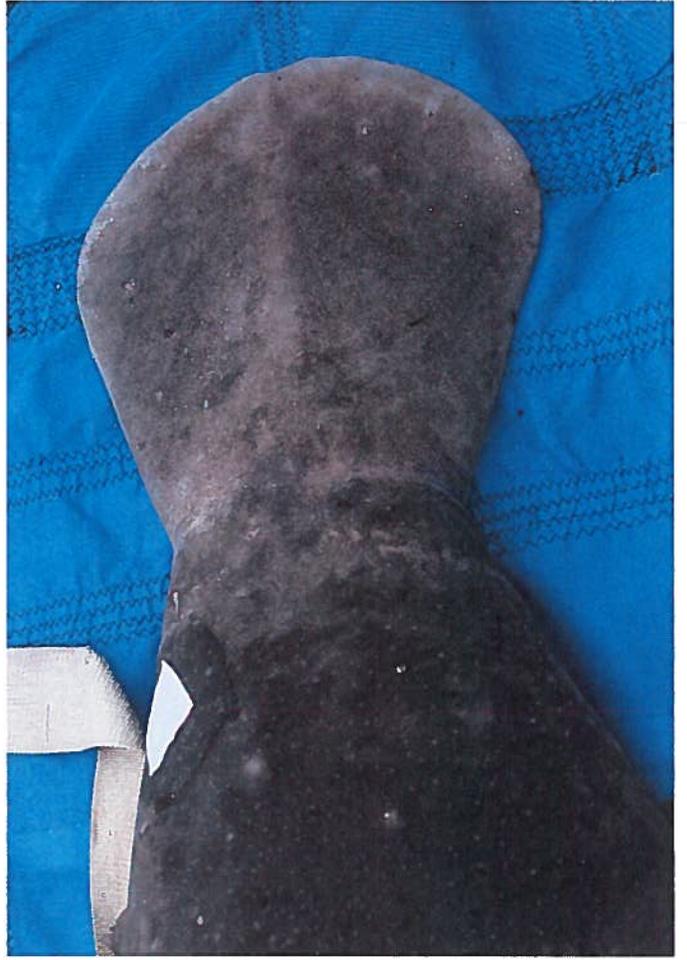
Map Created 5/23/2017



Locality Description:
Banana River Marina, 55 m SSW of 1255 S Banana River Dr

Latitude: 28.33491°N

Longitude: -80.66113°W



REC1702 / SWFTM1701B



REC17021 SWFTM1701B

Resc

Call it itself
Natural?
Respiratory
Issues

Szemer, Donna

From: Garrett, Andy
Sent: Monday, January 09, 2017 3:21 PM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey

Subject: rescue update
Attachments: IMG_0480.jpg; IMG_0471.jpg

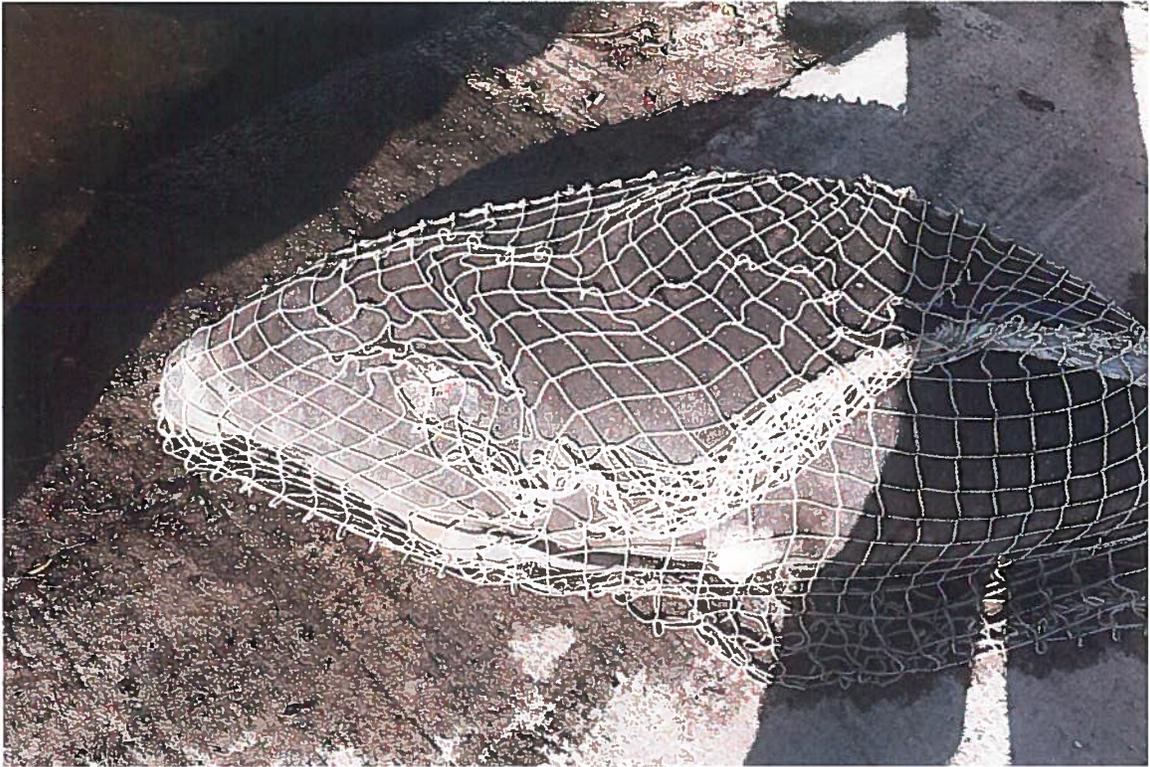
Merritt Island:

REC1702 / SWFTM1701B

This morning, while monitoring a MRP manatee in the Banana River Marina, a Sea to Shore biologist observed a small (6ft) lethargic manatee in respiratory distress.
 A FWC rescue team responded and hoop netted the manatee (see attached photos).
 The manatee is being transported to Sea World.

Panama City:

The FWC-MMPL received a report today of a 6 ft manatee in Mill Bayou near Panama City. The caller reported that the manatee was observed with its head under the ice that had formed along the shoreline. The caller said that he supported the manatee's head and pulled it out from under the ice then let the manatee go. FWC-MMPL contacted stranding partners at Gulf World who responded and are attempting to get closer to the manatee with the hope that they can secure the manatee in a stretcher. A FWC transport team is on standby to respond from St. Pete. If captured, the manatee will be transported to Lowry Park Zoo.



REC1702 / SWFTM17

From: Greer, Bill
Sent: Thursday, May 04, 2017 11:17 AM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>
Cc: Garrett, Andy <Andy.Garrett@MyFWC.com>
Subject: RE: REC1702

Hey Donna,

The "panting" we were describing was 2-3 breaths within 10-15 seconds every so often, so yes brief periods of elevated respirations.

It did have some abscesses on the body that were burst but didn't really have the look of a cold stress one. For us it was rescued because it was by itself and the respiratory distress but it's definitely possible cold stress was parts of that. So I think the way you suggested works fine.

Bill Greer

Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
Cell: 321-626-7367
E-mail: bill.greer@myfwc.com

Office Address:
4020 South Highway A1A
Melbourne Beach, FL 32951
Mailing Address:
3830 South Highway A1A
#4-146
Melbourne Beach, FL 32951
Wildlife Alert: 1-888-404-3922

From: Szemer, Donna
Sent: Thursday, May 04, 2017 11:08 AM
To: Greer, Bill <Bill.Greer@MyFWC.com>
Cc: Garrett, Andy <Andy.Garrett@MyFWC.com>
Subject: REC1702

Hi, Bill-

Going through edits and there was a comment about the "panting" of this calf (REC1702). Can you explain further? Was this periods of elevated respirations?

Sea World has this listed as a cold stressed manatee. Do you agree? Currently we have it listed as "Calf by itself" (based on size) with respiratory distress. I have also added "possible cold stress" to this list to be consistent with the web database.

Does this work?

Thanks,
Donna

From: Greer, Bill
Sent: Wednesday, January 11, 2017 11:16 AM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>; Bassett, Brandon <Brandon.Bassett@MyFWC.com>
Cc: Carter, Dani <Dani.Carter@MyFWC.com>; Wappes, Sara <Sara.Wappes@MyFWC.com>
Subject: REC1703 Prelim Info

I should have the full report done later today, just waiting on the list from JP of who all participated from SWF.

GENERAL

| | | | | |
|--|-----------------------|---|------------------------|----------------|
| Date of Rescue: 10 January 2017 | Date of Initial Call: | Filed by: W. Greer | | |
| Rescue ID: REC1703 | Facility ID: | Other ID: | | |
| FWC Case Number: N/A | | FWC Region: NE | | |
| Sex: Male | Length: 230 cm | Estimated: Yes | Weight: 220 kg | Estimated: Yes |
| PIT Tag Present: Unknown | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Merritt Island | Waterway: Banana River | |
| Latitude (Decimal Degrees): 28.3338722° N | | Longitude (Decimal Degrees): - 080.6599528° W | | |
| Locality Description: 35 m SE of 1360 South Banana River Drive | | | | |
| Method of Capture: Boat based net set | | | | |

REASON FOR RESCUE

| | | |
|-----------------------------|------------------------------------|--------------------|
| Check one of the following: | | |
| Watercraft | Entanglement | Entrapment (Human) |
| Cold Stress | Red Tide | Tidally Stranded |
| Orphan | Other: (Specify): Incidental catch | |

All Other

| |
|--|
| Describe: While attempting to capture another manatee for a health assessment this manatee was captured. |
|--|

Bill Greer
Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
4020 South Highway A1A
Melbourne Beach, FL 32951

Cell: 321-626-7367
Wildlife Alert: 1-888-404-3922
E-mail: bill.greer@myfwc.com

Manatee Information (MLog:1868)

Animal ID:**SWFTM1701B** Sex:**M** Name:**Baca** Rearing:**Wild reared**

-- Tag Information -----

Tag Type: Pit Tag Left **Date Applied:** 05/22/2017 **Tag ID** 000783D88F

Tag ID 000783D88F

Information: Tag placed by Lorri Braso SWF

Event: **Event Date**

-- Report Information -----

Created By: Jon Peterson **Created Date:** 05/22/2017

Updated By: D **Updated Date:** 05/22/2017

-- Tag Information -----

Tag Type: Pit Tag Right **Date Applied:** 05/22/2017 **Tag ID** 0007AC94EA

Tag ID 0007AC94EA

Information: Tag placed by Lorri Braso SWF

Event: **Event Date**

-- Report Information -----

Created By: Jon Peterson **Created Date:** 05/22/2017

Updated By: D **Updated Date:** 05/22/2017

*Entered
Captive
&
PIT
12/27/17
DJS*

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF TM 1701 B Temporary ID: _____ Time Net Set: _____
 Name: BACA (REC1702) Date: 12/19/2017 Time Captured (Onboard): _____
 ID of its Calf / Mom: _____ Sex: (M) / F Time On Beach: _____
 Location: South Florida Museum Latitude: _____ N Time Released: _____
 Longitude: _____ W Data Recorder: _____
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = _____ C F Water Temp = _____ C F Wind: _____ mph Cloud Cover: S PC MC O R

| | | | |
|----------------------|--|---|----------------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>475</u> | Manatee + stretcher <u>561</u> | Stretcher weight <u>86</u> |
| | Lengths | Total Length (curvilinear) (cm) <u>221</u> | |
| | Total Length (straight) <u>218</u> | | |
| | Snout to Peduncle <u>163</u> | | |
| | Snout to Anus <u>142</u> | | |
| | Snout to Umbilicus <u>82</u> | | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>94</u> cm Belt Loc: <u>103</u> in <u>97.5</u> cm | |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>125</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>163</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>126</u> | |

| | | | | |
|------------------------------|---------------|--------------------|--------------|--------------|
| ULTRASOUND | | Reader Name: _____ | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>5.4mm</u> | <u>9.2mm</u> | <u>8.9mm</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | | |
|------------------|---|--|
| CONDITION | Body Score: 1 2 3 4 5 | |
| | Poor Fair Good Very Good Excellent / Undetermined | |
| | Peanut shaped head? Y / N | Ribs visible? Y / N |
| | Side between anus & peduncle: | Rounded / Flat / Concave |
| | Ventrum: | Rounded / Flat / Concave / Ventral Folds |
| | Fresh Wounds or Lesions: | Y / N (describe in comments) |
| | Person(s) assessing condition: | |

| | |
|-----------------------|--|
| REPROD. STATUS | Pregnant? Y / N If so, describe: _____ |
| | Lactating? Y / N |

| | | |
|----------------|--------------------------------------|----------------------------|
| SAMPLES | Milk sample collected? stored? Y / N | Refrig / Freeze |
| | Volume of milk collected? / Teat? | ml / right left both |
| | Person collecting milk? | |
| | Urine? stored? (Y) / N | Refrig / Freeze |
| | Fecal? stored? (Y) / N | Freeze / 5% NBF / 70% ETOH |
| | Skin? stored? Y / N | Refrig / Freeze / DMSO |
| | Cookie? Y / N | Location: _____ |

| | |
|-------------------|--|
| MONITORING | Heartrate: <u>40</u> Stethoscope EKG Pulse-Oximeter None <u>Data Sheets?</u> Y N |
| | Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>95.5</u> Y N |
| | Respiratory Rate? <u>(Y) N</u> <u>44 44 5</u> min Y N |

Heart rate: 40/min

SWF
Manatee ID TM 1701 B

Manatee Name: BACA

Date: 12/19/17

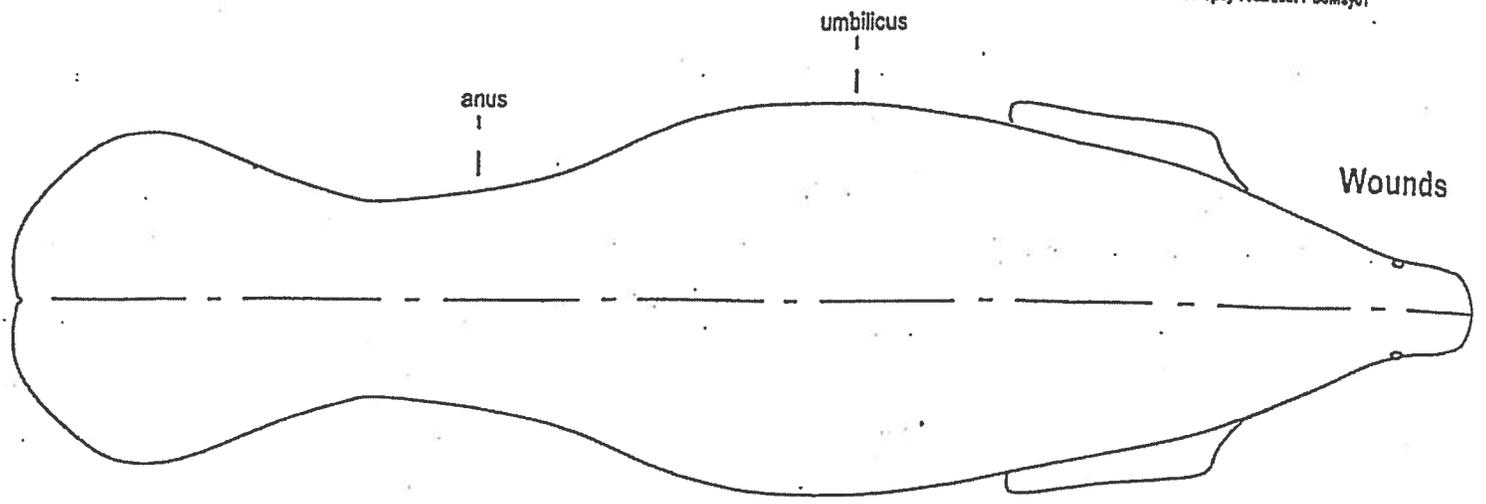
| | | | | |
|---------------------|---------------------------------|--|-----------------------------|----------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: | | |
| | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| | 1 | | | (L) / R |
| | 2 | | | (D) / R |
| | 3 | | | L / R |
| | Drawn by: <i>Murphy</i> | | | |
| | # Tubes of Blood Collected | Blue: | Red: / / / | Purple: / / |
| | | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | Y / N | PIT tagged at this capture? | Y / N |
| | PIT tagged by: | | | |
| | Right # | <u>00 - 07 A C - 94 E A</u> ✓ | | |
| | Left # | <u>00 - 07 8 3 - D 8 8 F</u> ✓ | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC _____ Length: _____ " Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: | ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | | | |
| | Exposures: | | | |
| SKETCHES | Sketched by: | | | |

Comments *B12 shot above left pec.*

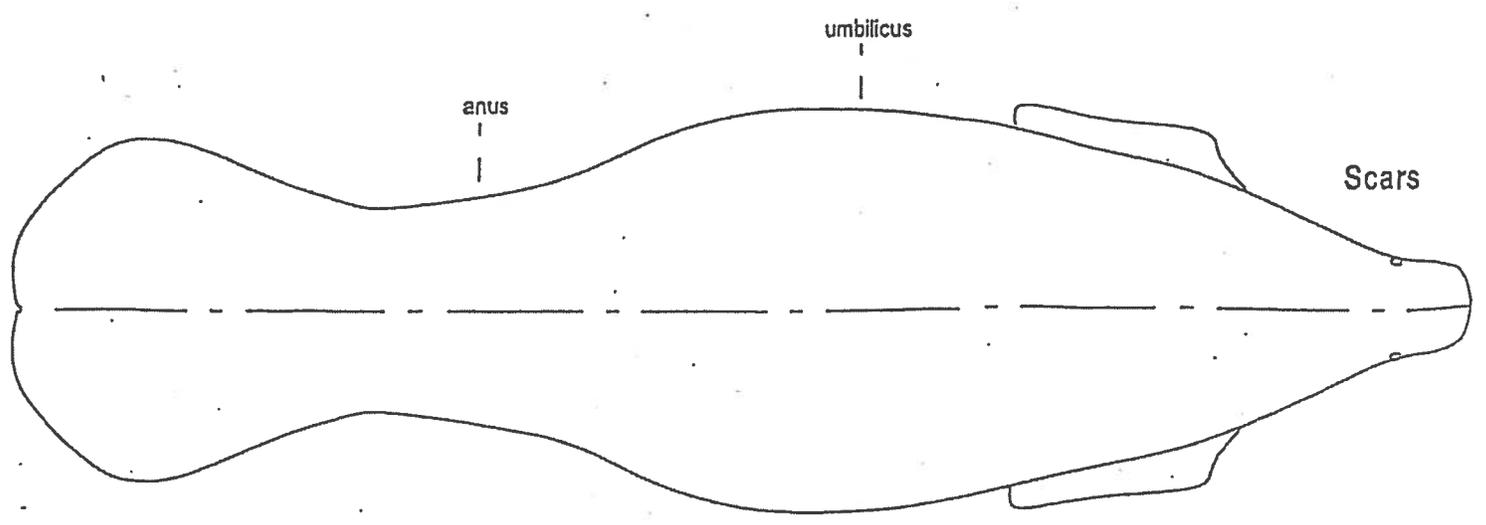
Date 12/19/2017

SWF
Field I.D. TM 1701B

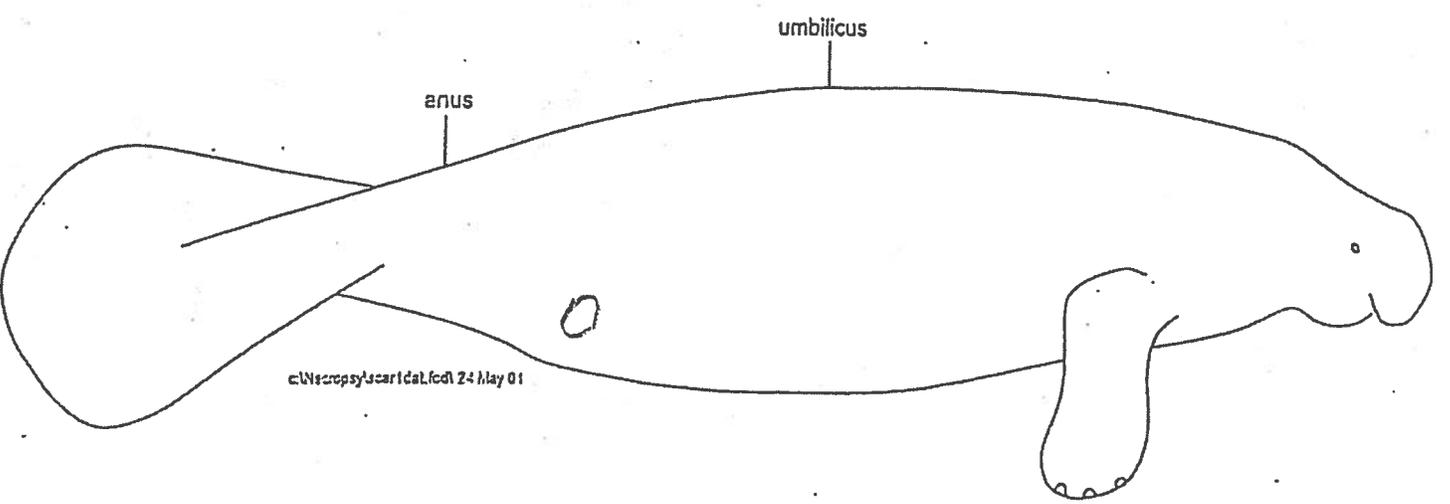
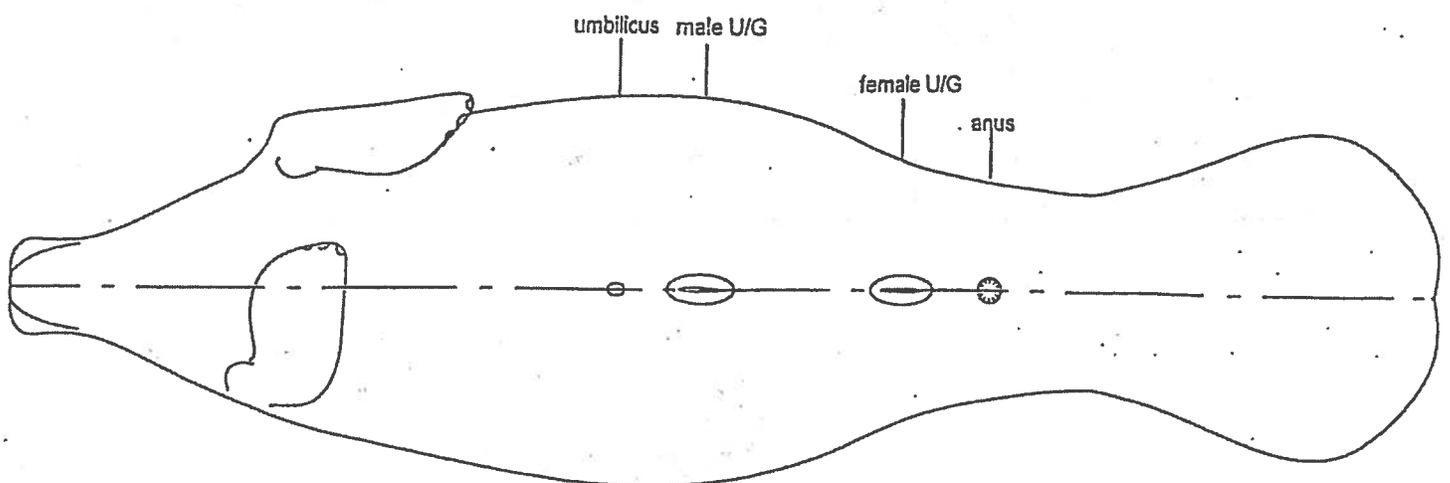
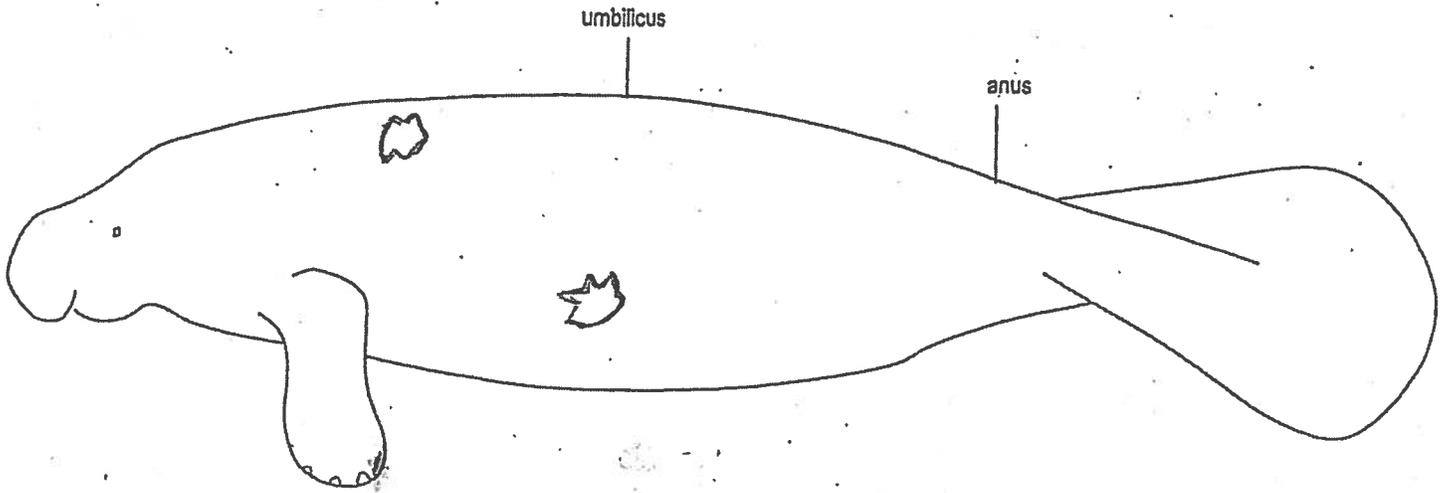
© D-Old Necropsy | scar2cat | 30May01



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



SWF TM1701B
FIELD I.D.



Asst. + Rel

Rescue Report

REC1704

*Natural
unfav. location*

GENERAL

| | | |
|--|---------------------------------------|--|
| Date of Rescue: 10 January 2017 | Date of Initial Call: 09 January 2017 | Filed by: W. Greer |
| Rescue ID: REC1704 | Facility ID: SWFTm1702b | Other ID: 'Abigail', MSTm1510, REC1304, SWFTm1308b |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Female | Length: 237 cm | Estimated: No |
| | Weight: 315 kg | Estimated: Yes |
| PIT Tag Present: Unknown | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Merritt Island |
| | | Waterway: Banana River |
| Latitude (Decimal Degrees): 28.3339° N | | Longitude (Decimal Degrees): - 080.65993° W |
| Locality Description: 35 m ESE of the easternmost building at 1360 South Banana River Dr | | |
| Method of Capture: Boat based net set | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input checked="" type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: MRP manatee that was not in warm enough water so health assessment was performed and manatee was relocated to Cape Canaveral Energy Center.

Note- No PIT tag scanner was available to check PIT tags

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|-----------------|---|
| 09 January 2017 | At 0854 hrs, FWC biologist-William D. Greer received a call from FWC rescue coordinator-Andy J. Garrett (AJG) regarding 'Abigail', an MRP manatee that was currently staying in 16-17°C water. AJG stated a health assessment was |

needed and possible relocation or rehabilitation depending on findings of the health assessment. AJG asked WDG to contact Sea World Florida (SWF) staff- Jon Peterson (JP) to see if SWF would be available for the capture and health assessment on January 9 or 10. At 0900 hrs, WDG contacted JP who said they would be available on January 10 for the capture and health assessment. JP and WDG agreed to meet at the Ramp Road boat ramp in Cocoa Beach at 0900 hrs on January 10.

10 January 2017

At 1004 hrs, WDG, JP and other SWF staff launched the SWF rescue boat from the Ramp Road Boat ramp and headed to Banana River Marina to meet Sea to Shore biologist-Melody Fischer (MF) who was currently monitoring 'Abigail'. At 1103 hrs, the SWF rescue boat arrived at Banana River Marina. Swimmers and boats were used to try and coax 'Abigail' out of the marina due to the presence of other manatees. At 1300 hrs, the first set was completed. Initially 'Abigail' was seen in the net but when the net was finally brought in only a male was in the net (REC1703). At 1400 hrs, a second set was completed and 'Abigail' was captured. SWF veterinarian- Dr. Lara Croft completed a health assessment and deemed 'Abigail' healthy enough to be relocated to the Cape Canaveral Energy Center in Cocoa. At 1445 hrs, the SWF capture team landed at the Ramp Road boat ramp and transferred 'Abigail' to the SWF transport truck. At 1610 hrs, 'Abigail' was released from the SWF rescue boat at the discharge of the Cape Canaveral Energy Center in Cocoa.

PARTICIPANTS

FWC EC: William D. Greer

Sea World Orlando: Jon Peterson, Dr. Lara Croft, Lauren Fletcher, Pedro Ramos, Andrea Elliott, Diana Hawke

Edited by:

DJS
AJG

(Rev: 03/18/2013)



Verified Response Location of Manatee Rescue REC1704



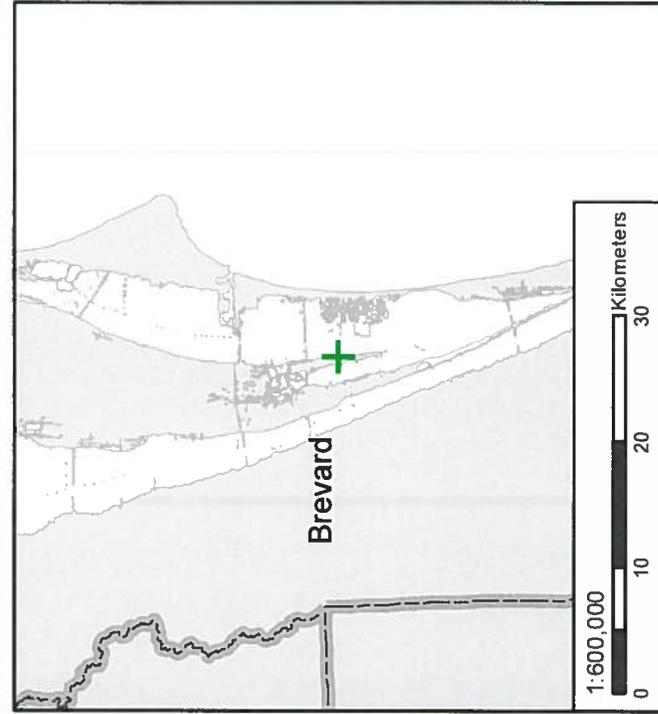
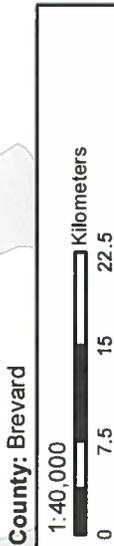
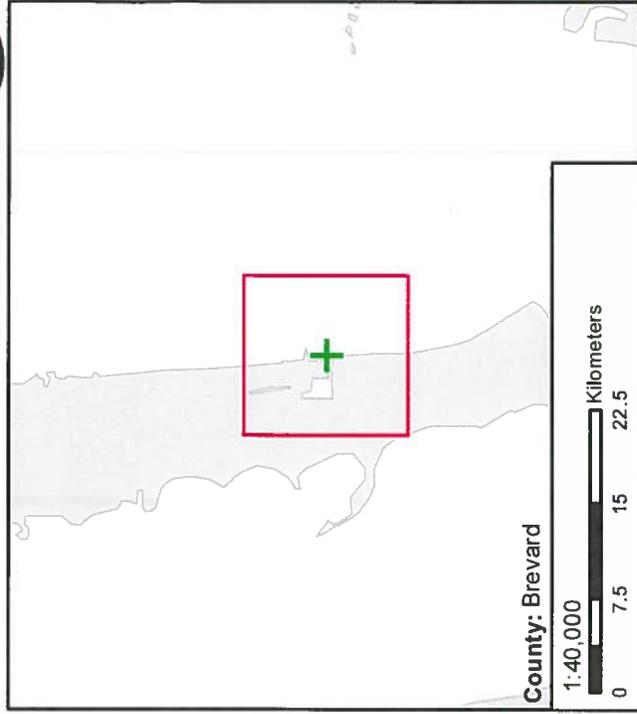
Rescue Date: 1/10/2017

Facility ID: SWFTm1702b

Map Created 5/23/2017



Locality Description:
35 m ESE of the easternmost building at 1360 South Banana River Dr



Latitude: 28.3339°N
Longitude: -80.65993°W

Natural
(unfavorable location)

From: Garrett, Andy
Sent: Tuesday, January 10, 2017 4:55 PM
To: (Group)
Subject: RE: rescue update

Merritt Island: REC1704 (SWFTM1308B
REC1304 MSTM1510)

Abigail was captured and given a health assessment this afternoon. She was cleared for a relocation and release. A few minutes ago, Abigail was released into the power plant discharge canal.

Panama City: (REC1703 - Incidental capture)

After a full day of searching Mill Bayou, the manatee was not located.

From: Garrett, Andy
Sent: Tuesday, January 10, 2017 11:27 AM
To: (Group)
Subject: RE: rescue update

Sarasota, Englewood:

This morning, SWFL staff responded to a report of a small manatee in inches of water on Forked Creek (see attached photos). The 192 cm male manatee was placed in a stretcher, loaded into a transport truck, and is currently on its way to Lowry Park Zoo.

Panama City (Mill Bayou):

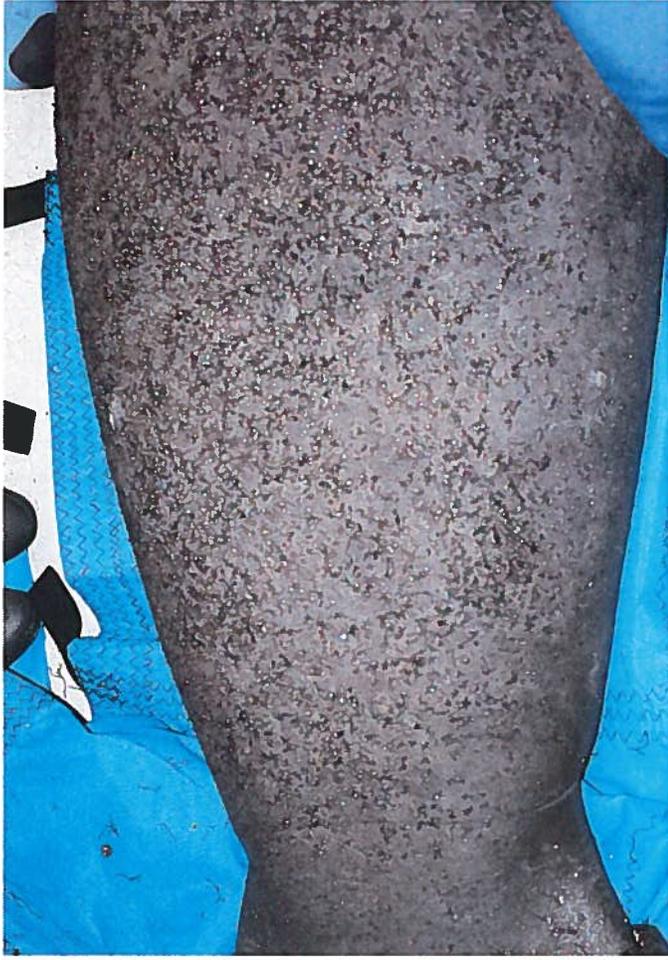
Local stranding network members (Gulf World and Emerald Coast Wildlife Refuge) are searching Mill Bayou for the manatee that was observed in the area yesterday. They will soon be joined by a rescue team from the MMPL.

Merritt Island:

Sea World, FWC, and Sea to Shore are attempting to capture MRP tagged manatee "Abigail" this morning. If captured, a health assessment will be conducted to determine if she can be relocated to the power plant or taken back in for rehabilitation.

Bradenton:

Unfortunately the small manatee rescued in Bradenton at the end of last week passed away this morning. A necropsy will be conducted at the MMPL this afternoon.



REC1704/SWFTM1702B (SWFTM1308B/REC1304) Abigail



REC1204/SWFTM17028 (SWFTM13088/REC1304) Abigail



REC1704 / SWFTM1702B
(SWFTM1308B / REC1304)
Abigail



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: RIC1704/SW17m1702b Capture ID: SAME Data Recorder: BILL GREER

Name: 'ABIGAIL' Date: 10 JAN 2017

ID of its Calf / Mom: _____ Sex: M / F

CAPTURE

Location: OUTSIDE BANANA RIVER ^{MAKINA}
 Latitude: 28.3338889 N
 Longitude: -080.6599278 W
 Water Temp: 17 °C F

RELEASE

Location: CAPE CAMERAL
ENERGY CENTER DISCHARGE
 Latitude: 28.4719333 N
 Longitude: -080.7605333 W
 Water Temp: UNK C F

TIMES

Initial Pursuit: 1100
 Net Set: 1350
 Captured(Onboard): 1400
 On Beach: 1445
 Released: 1610

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = UNK C F Wind: UNK mph Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|------------------------------|---------------------|
| | <u>315 (EST)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>260</u> | |
| | Total Length (straight) | <u>237</u> | |
| | Snout to Peduncle | <u>174</u> | |
| | Snout to Anus | <u>147</u> | |
| | Snout to Umbilicus | <u>80</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>89</u> cm | Belt Loc: <u>in</u> |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>130</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>167</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>139</u> | |

| ULTRASOUND | | Reader Name: | | | |
|------------------------------|---------------|--------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>3</u> | 4 | 5 |
|---------------------------------|--------------|---|---|--|--------------------------------|---|
| Health Concerns? | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / N</u> | | | <u>Y / N</u> | | |
| Side between anus & peduncle: | | | | <u>Rounded</u> / Flat / Concave | | |
| Ventrum: | | | | <u>Rounded</u> / <u>Flat</u> / Concave / Ventral Folds | | |
| Fresh Wounds or Lesions: | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>WILLIAM D GREER</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / N</u> | Describe: |
|----------------|------------------------|-----------|
| Lactating? | <u>Y / N</u> | |

| MONITORING | Heartrate: <u>Stethoscope</u> EKG Doppler None | Data Sheets? <u>Y (N)</u> |
|--|--|---------------------------|
| Temperature: Oral Naso-pharyngeal Rectal <u>None</u> | | <u>Y (N)</u> |
| Respiratory Rate? <u>Y</u> N | | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| Location(s): | | |

Manatee ID: 'ABIGAIL'

Capture ID REC1704

Date: 10 JAN 2017

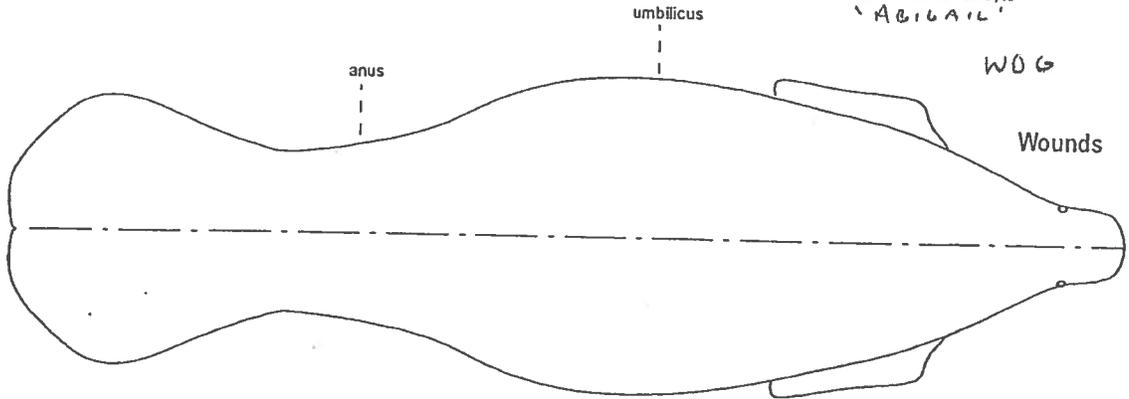
| | | | | |
|--------------------|---|--|---|----------|
| BLOOD | Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: DL LARA CROFT (SWF) | 1500 | <input checked="" type="checkbox"/> L / <input type="checkbox"/> R L / R | 6 |
| SAMPLES | Milk? Y / <input type="checkbox"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / <input type="checkbox"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / <input type="checkbox"/> N | Freeze / EtOH | | |
| | Skin Scraping? Y / <input type="checkbox"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / <input type="checkbox"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / <input type="checkbox"/> N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? Y / <input type="checkbox"/> N Oral / Rectal | Refrig | | |
| | Other? Y / <input type="checkbox"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? Y / <input checked="" type="checkbox"/> N | PIT tagged at this capture? Y / <input checked="" type="checkbox"/> N | | |
| | PIT tagged by: | SEA WORLD ORLANDO | | |
| | Right # FROM PREVIOUS RESCUE | 00 - 072A - AAEC | | |
| | Left # FROM PREVIOUS RESCUE | 00 - 072A - 0491 | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | 9102 | | |
| | Tag / Antenna Color(s) | Tag: BLUE/YELLOW Antenna: GRN HI / YI LOW | | |
| | VHF Frequency | 164.866 MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: 74 kHz Code: 1-1 PI: 996 msec | | |
| BELT | ID# / Size / Color | FWC _____ Length: 38 in. Color: YELLOW | | |
| | Belt Sonic ID: FWC _____ | Freq: 77 kHz Code: 3-5-5-B PI: 1050 msec | | |
| | Belt Knot / Webbing Exposed | <input checked="" type="checkbox"/> Left / <input type="checkbox"/> Right _____ inches | | |
| | CR2a Programmed Release | Y / <input checked="" type="checkbox"/> N Date/Time: | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: 47 hs / tcc Length: 4 ft. | | |
| | Tagged by: | SEA TO SHORE - MLIOW/ | | |
| PHOTOGRAPHS | Taken by: | WILLIAM O GREER | | |
| | Exposures: | FWC020-2017-01-10-8010-8020 | | |
| SKETCHES | Sketched by: | WILLIAM O GREER | | |

COMMENTS

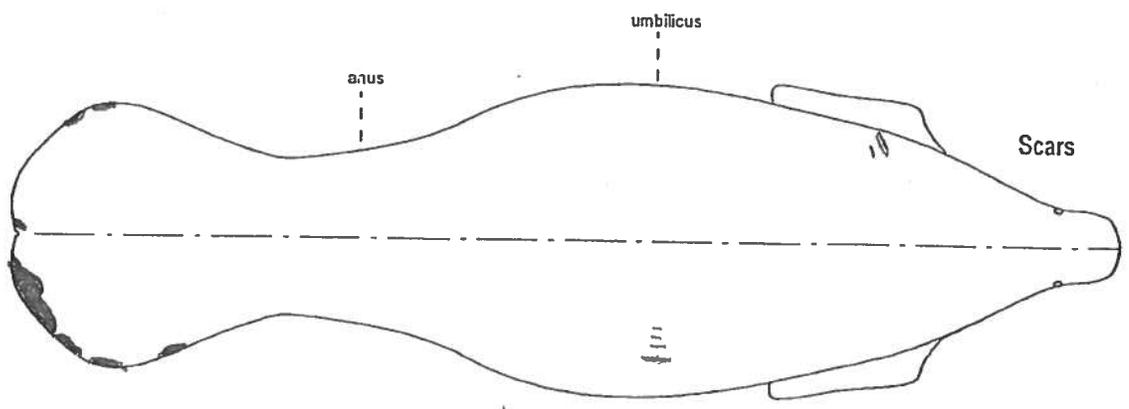
HEALTH CONCERNS- MILD COLD STRESS INCLUDING WHITENED MUZZLE WITH ONE LESION, ONE LESION ON INSIDE OF LEFT FLIPPER, EDGES OF FLIPPER SLIGHTLY BLEACHED.

Date 10 JAN 2017

Field I.D. REC1704
SWP 7m 1752b
c:\Manuals\scar\datal\76 July 02
'ABIGAIL'



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



Kess
2/16/17

Rescue Report

REC1705

Watercraft

GENERAL

Date of Rescue: 16 February 2017 Date of Initial Call: 05 February 2017 Filed by: W. Greer
 Rescue ID: REC1705 Facility ID: MSTm1702 Other ID: 'Lola', BS73
 FWC Case Number: N/A FWC Region: NE
 Sex: Female Length: 307 cm Estimated: No Weight: 549 kg Estimated: No
 PIT Tag Present: No PIT Tag Applied: No R: L:
 State: FL County: Volusia City: Orange City Waterway: St. Johns River
 Latitude (Decimal Degrees): 28.94327° N Longitude (Decimal Degrees): - 081.34168° W
 Locality Description: Blue Springs State Park, Blue Springs Run, approximately 140 m W of the Thursby House
 Method of Capture or Assistance: Land Based: Net Set (Other: _____)

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

Watercraft

Check all that apply:

Penetrating Cuts Impact Other
 Describe: negatively buoyant, emaciated

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-02-16_8728 through 8740 | |

HISTORY

| Date | Narrative |
|------------------|---|
| 05 February 2017 | At 0819 hrs, Save the Manatee Club employee-Wayne Hartley (WH) sent an e-mail to FWC ECFL staff, FWC rescue coordinator-Andy J. Garrett (AJG) and other manatee researchers regarding 'Lola'. The manatee had previously been |

observed in January 2016 and November 2016 as negatively buoyant but appeared in good body condition; therefore, it was decided to monitor her to see if her condition changed. WH informed the group in the email that 'Lola' was still negatively buoyant, but now appeared emaciated with rib outlines showing and had a peanut shaped head.

13 February 2017

At 1030 hrs, FWC biologist-William D. Greer (WDG) contacted AJG regarding a possible rescue of 'Lola'. AJG stated that Miami Seaquarium had agreed to take 'Lola' if she was captured. AJG asked WDG to contact Sea World rescue coordinator-Jon Peterson (JP) to see if they could assist with the capture. JP agreed to assist with the capture on 16 February.

15 February 2017

At 1630 hrs, JP reported to AJG and WDG that due to one of the medical pools at SWF not functioning properly they would not be able to assist in the rescue. AJG asked WDG to contact FWC biologist-Nadia J. Gordon (NJG) to see if she and NEFL staff would be available to assist with the rescue. NJG stated that NEFL would be available for the rescue.

16 February 2017

At 0755 hrs, Save the Manatee Club employee-Cora Berchem called WDG to report that 'Lola' and another manatee of concern 'Swale' were both present at the Blue Springs run. WDG contacted NJG and they agreed to meet at the French Landing boat ramp at 1030 hrs. At 1054 hrs, the NEFL rescue boat was launched. At 1110 hrs, a land based net set was completed and at 1125 hrs, 'Lola' was loaded into the rescue boat and transported to the boat ramp. After waiting an hour to see if 'Swale' would come back into the run, the ECFL transport truck left at 1245 hrs for Miami Seaquarium and arrived at the facility at 1755 hrs.

PARTICIPANTS

FWC ECFL- William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC NEFL- Nadia J. Gordon, Allison Perna

FWC Intern- Marie Clee

FWC volunteers- Leo Cross, Joe Wolf, Devin Oakes

Volusia County Stranding staff- Debbie Wingfield

Volusia County Stranding volunteer- Alyse Howell

Save the Manatee Club staff- Cora Berchem

Edited by:

DJS
AJG

(Rev. 01/20/2017)



MSTM1702 / REC1705 / "Lola"





MSTM1702 / REC1705 / "Lola"



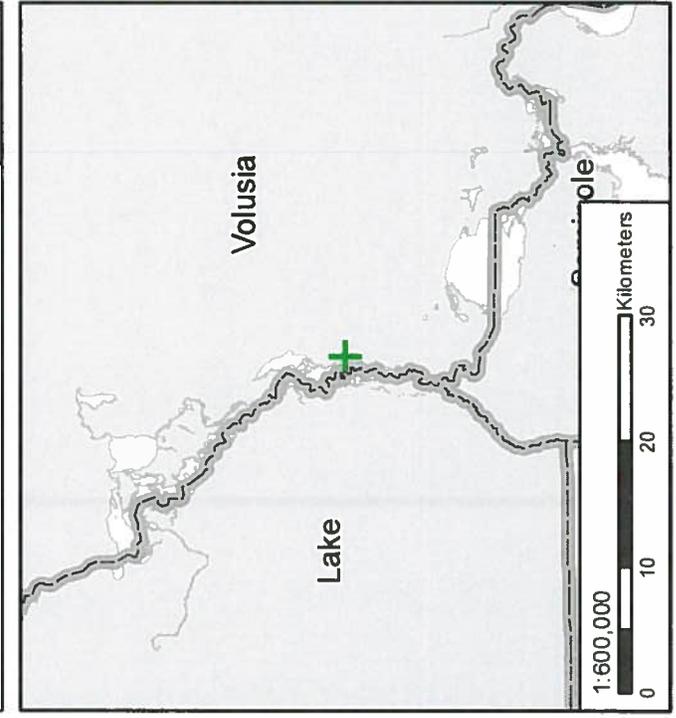
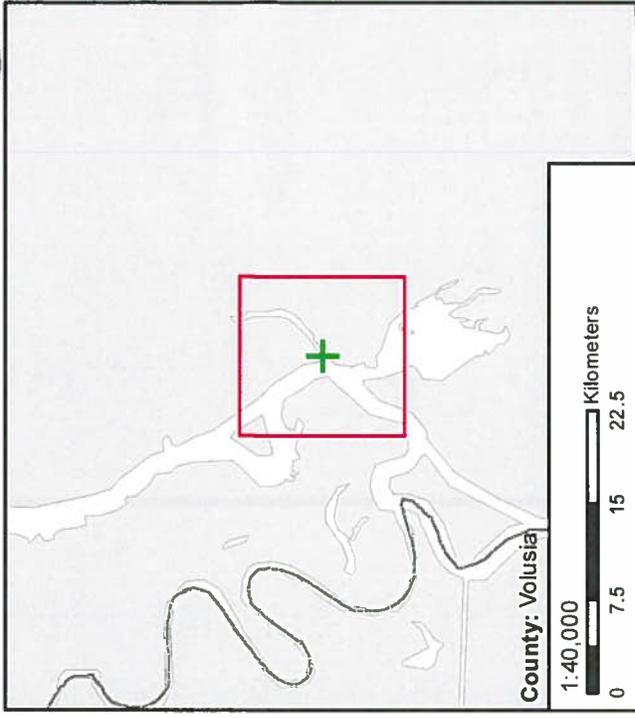


Verified Response Location of Manatee Rescue REC1705

Rescue Date: 2/16/2017

Facility ID: MSTm1702

Map Created 5/23/2017



Locality Description:
Blue Springs State Park, Blue Springs Run, approximately 140 m W of the Thursby House

Latitude: 28.94327°N

Longitude: -81.34168°W

Resc

MSTM1702
REC1705
Lola

(Neg. Buoyancy)

From: Garrett, Andy
Sent: Thursday, February 16, 2017 11:26 AM
To: (Group)
Subject: RE: rescue alert

Lola has been captured. Swale swam out into the river during the capture. The team is going to load Lola in the transport truck and give Swale time to come back into the spring run.

From: Garrett, Andy
Sent: Thursday, February 16, 2017 9:35 AM
To: (Group)
Subject: rescue alert

Blue Springs State Park:

All,

There are two manatee rescues planned for today at Blue Springs State Park. The first manatee, "Swale" was observed last Friday looking thin and lethargic (see attached photo). A deep hollow sound can be heard during exhalations.

<https://youtu.be/bM-xmZlix-A>

(Breathing 34 seconds into the video)

This manatee's behavior and condition have not improved over the past week. Swale was also one of the only manatees observed in the spring run this week during the warm periods.

The second manatee is "Lola", an adult female that was observed last year in the spring and had negative buoyancy issues. A decision was made not to capture her last year, because she was in decent body condition. Recent observations have her looking much thinner.

<https://youtu.be/b8yixOQmX5k>

If captured, both manatees will be transported to Miami Seaquarium for rehabilitation.

From: Magdalena Rodriguez [mailto:MayaDVM@msn.com]

Sent: Friday, February 17, 2017 5:37 PM

To: (Group)

Subject: Re: update

Hi, Lola has a functional lung on the right and her pyo is on the left. It is not a straightforward pyo in that there are layers with scar tissue. We aspirated 7 liters to give her a little break, her blood is not too bad but does show some immunocompromise. She is in with 3 others nibbling on lettuce. We will plan for xrays next week. Her skinny weight is 1210# and length 322cm, big girl.

Good weekend,

Maya

Sent from [Outlook](#)

From: Garrett, Andy <Andy.Garrett@MyFWC.com>

Sent: Thursday, February 16, 2017 3:14 PM

To: (Group)

Subject: RE: rescue alert

Swale never came back, so Lola is headed to MSQ.

Rescue
3/16/17

Rescue Report

REC1706

Calf by itself

GENERAL

| | | |
|--|-------------------------------------|---|
| Date of Rescue: 16 March 2017 | Date of Initial Call: 16 March 2017 | Filed by: W. Greer |
| Rescue ID: REC1706 | Facility ID: SWFTm1708b | Other ID: Goober |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Male | Length: 176 cm | Estimated: No |
| | Weight: 100 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Satellite Beach |
| | | Waterway: Grand Canal |
| Latitude (Decimal Degrees): 28.16351° N | | Longitude (Decimal Degrees): -80.60318° W |
| Locality Description: Desoto Canal, approximately 40 m SE of 617 Desoto Lane | | |
| Method of Capture or Assistance: Land Based: Hoop Net (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input checked="" type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: No attending adult, peanut head, longitudinal folds

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC020_2017-03-16_8037 through 8053 | |

HISTORY

| Date | Narrative |
|---------------|--|
| 16 March 2017 | At 0913 hrs, FWC biologist-Sara M. Wappes (SMW) called FWC biologist-William D. Greer (WDG) to advise him that while doing photo ID at Desoto Canal she observed a possible orphan calf with a peanut shaped head staying by itself in the north end of Desoto Ditch. WDG asked SMW to check on the manatee again in a couple hours, SMW agreed. At 0915 hrs, WDG sent FWC |

rescue coordinator-Andy J. Garrett (AJG) a text to alert him of the possible orphan calf and advised that ECFL staff would be monitoring the calf for a few hours before attempting a rescue. At 0918 hrs, WDG contacted Sea World Florida staff-Brant Gabriel (BG) to see if Sea World could accept the manatee if rescued, BG said Sea World could accept it. At 1056 hrs, SMW called WDG and advised him the manatee had moved to the south end of Desoto Ditch but was still in shallow water and was not associating with any other manatees. At 1059 hrs, WDG contacted AJG to advise him of the update and told him ECFL staff would check on the manatee around 1300 hrs. At 1310 hrs, WDG, FWC biologist-Danielle E. Carter (DEC), and FWC volunteers-Leo Cross and Devin Oakes arrived at Desoto Canal. At 1324 hrs, WDG called AJG to advise him the manatee was still in shallow water, had no attending adult and appeared thin. WDG and AJG agreed the manatee should be rescued. At 1340 hrs, a land based hoop net capture was performed and the manatee was loaded into the back of the transport truck. At 1510 hrs, WDG and DEC arrived at Sea World Florida and the manatee was transferred to a medical pool.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter
FWC volunteers: Leo Cross, Devin Oakes

Edited by:

DJS
AJG

(Rev: 01/20/2017)



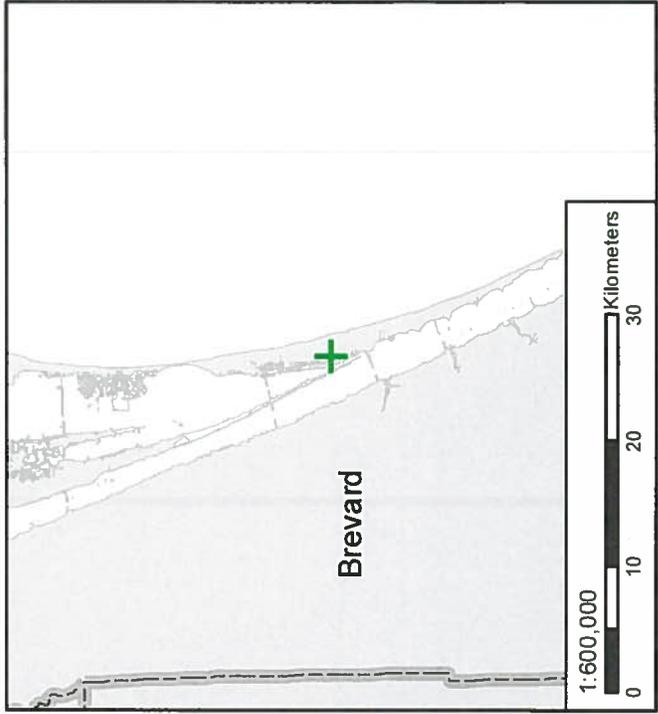
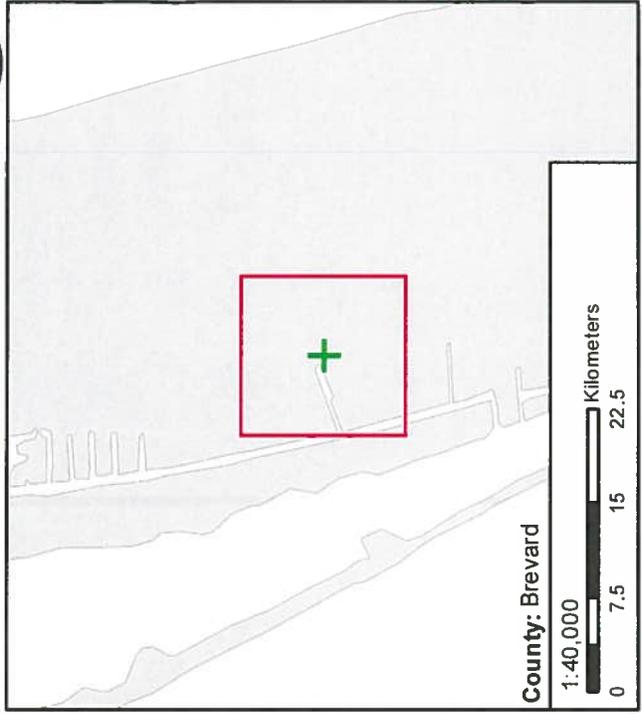
Verified Response Location of Manatee Rescue REC1706



Rescue Date: 3/16/2017

Facility ID: SWFTm1708b

Map Created 9/29/2017



Locality Description:
approximately 40 m SE of 617 Desoto Lane

Latitude: 28.16351°N

Longitude: -80.60318°W

Resc
3/18/17

Rescue Report

REC1707

Calf by: ise lf

GENERAL

| | | |
|--|-------------------------------------|--|
| Date of Rescue: 18 March 2017 | Date of Initial Call: 18 March 2017 | Filed by: W. Greer |
| Rescue ID: REC1707 | Facility ID: SWFTm1709b | Other ID: Amelia |
| FWC Case Number: 3092, 3144 | FWC Region: NE | |
| Sex: Female | Length: 115 cm | Estimated: No |
| | Weight: 27 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Indian Harbour Beach |
| | | Waterway: Grand Canal |
| Latitude (Decimal Degrees): 28.16083° N | | Longitude (Decimal Degrees): -080.60707° W |
| Locality Description: 45 m E of 122 Lansing Island Drive | | |
| Method of Capture or Assistance: Boat Based: Hoop Net | | (Other: _____) |

REASON FOR RESCUE

Check one of the following:

- | | | |
|--|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input checked="" type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: Umbilicus not healed, no attending adult, having difficulty submerging

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-03-18_0211-0219 | |

HISTORY

| Date | Narrative |
|---------------|--|
| 18 March 2017 | At 0848 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding a manatee calf having difficulty swimming and not moving much in Grand Canal in Satellite Beach, Brevard County. FWC case number 3092 was assigned. The complainant, Sam (902-440-6491), stated that the manatee was with an adult but the calf was breathing |

every minute. At 1010 hrs, DEC and FWC intern-Marie B. Clee (MBC) met with the complainant who took them out in his boat to observe the manatee. DEC and MBC observed the calf and could see the umbilical cord and that the calf was with an adult. DEC contacted FWC biologist-William D. Greer (WDG) to advise him of the situation. WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) and both agreed to monitor for now since the calf appeared to be with its mother. At 1644 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding a manatee calf having difficulty swimming in Grand Canal in Satellite Beach, Brevard County. FWC case number 3144 was assigned. The complainant, Gregory Hubbard (321-508-4976), stated that the manatee was about 40 lbs, seemed to be having a hard time surfacing, and no other manatee seems to be with it. At 1700 hrs, DEC contacted WDG to advise him of the situation. At 1704 hrs, WDG contacted AJG and both agreed a rescue was likely needed. At 1711 hrs, WDG contacted Sea World Florida Veterinarian-Lara Croft (LC) to confirm that Sea World had room for the manatee if it was captured, LC agreed. At 1811 hrs, WDG, DEC and FWC volunteer-Joe Wolf (JW) launched the ECFL Key West from the Eau Gallie Causeway boat ramp and at 1843 hrs, the calf was captured using a hoop net. At 1929 hrs, DEC, WDG and JW arrived back at the Eau Gallie Causeway boat ramp. At 2049 hrs, DEC, WDG and JW arrived at Sea World Florida where the calf was placed in a medical tank.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter
FWC volunteer: Joe Wolf

Edited by:

DJS
AJG

(Rev: 01/20/2017)

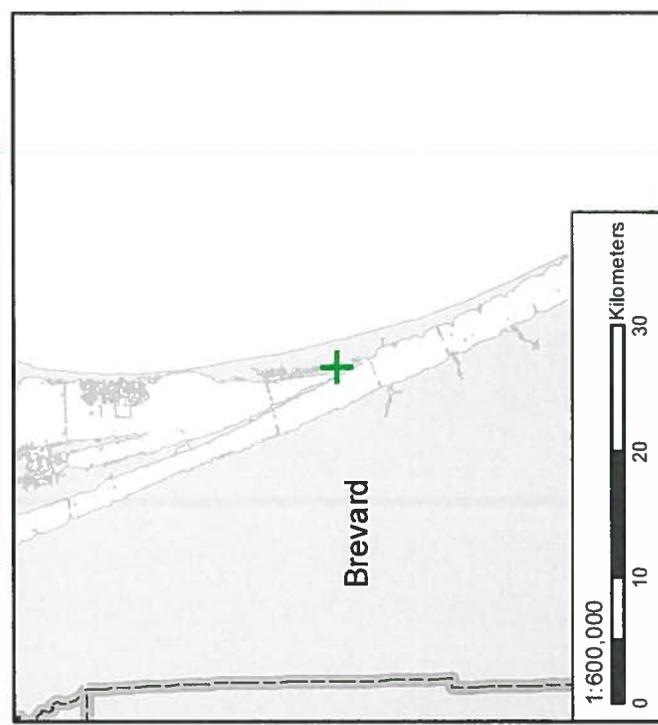


Verified Response Location of Manatee Rescue REC1707

Rescue Date: 3/18/2017

Facility ID: SWFTm1709b

Map Created 9/29/2017



Locality Description:
45 m E of 122 Lansing Island Drive

Latitude: 28.16083°N

Longitude: -80.60707°W

Szemer, Donna

From: Garrett, Andy
Sent: Monday, March 20, 2017 8:14 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernel, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update
Attachments: IMG_4737.jpg; IMG_0606.jpg

Satellite Beach:

REC1707 / SWFM1709B

On Saturday morning, staff from the FWC-ECFL responded to a report of a very small distressed calf being pushed around by its mom and breathing several times a minute. The responding biologist observed the small manatee and what appeared to be its mom. The calf's respiration rate and buoyancy seemed to be better than the original report and the responding biologist observed what she thought was placenta still attached to the calf. A decision was made to monitor. Later in the afternoon, the FWC received reports that the calf was alone and approaching kayakers. FWC staff responded and confirmed the reports. The calf was captured and transported to Sea World.



REC1707 / SWFTM1709B



Rescue Report

REC1708

Rescue / Rel
4/01/17 8/2/17
Watercraft

GENERAL

| | | | | |
|---|-------------------------------------|---|------------------------------|---------------|
| Date of Rescue: 01 April 2017 | Date of Initial Call: 11 March 2017 | Filed by: D. Carter/W. Greer | | |
| Rescue ID: REC1708 | Facility ID: SWFTm1711b | Other ID: TomDaley | | |
| FWC Case Number: 2796, 2801, 3711, 3713, 3823 | | FWC Region: NE | | |
| Sex: Male | Length: 226 cm | Estimated: No | Weight: 170 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Oak Hill | Waterway: Indian River North | |
| Latitude (Decimal Degrees): 28.9048° N | | Longitude (Decimal Degrees): -80.85507° W | | |
| Locality Description: Approximately 60 m SE of 194 Douglas St. | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|--|--|--------------------------------|
| <input checked="" type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|--|--|--------------------------------|

Describe: Pneumothorax, listing to one side, healing wounds

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-04-01_0520 through 0530 | |

HISTORY

| Date | Narrative |
|---------------|---|
| 11 March 2017 | At 1205 hrs, FWC biologist-Danielle E. Cater (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Indian River in |

Titusville, Brevard County. FWC case number 2796 was assigned. The complainant, Caroline Richardson (434-660-4162), stated the manatee was approximately 8 to 9 feet in length, kept rolling on its side, had a grey gash, and was unable to submerge. DEC received photos and videos from the complainant. At 1307 hrs, DEC received another text alert regarding an injured manatee in Indian River in Titusville, Brevard County. FWC case number 2801 was assigned. The complainant, Nancy McCarthy (321-264-4312) described the same manatee and area as case number 2796. At 1530 hrs, DEC arrived at the site, but the animal was no longer in the area.

30 March 2017

At 1039 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert regarding an injured manatee in Indian River North in Oak Hill, Volusia County. FWC case number 3711 was assigned. The complainant, Debra (386-576-7582), stated the manatee was about 6 feet in length and had a propeller mark on its back. At 1100 hrs, Sara M. Wappes (SMW) received another text alert regarding an injured manatee in Indian River North in Edgewater, Volusia County. FWC case number 3713 was assigned. The complainant, Taylor (386-402-6656), stated one of the wounds on the manatee was pink in the middle, and the manatee was listing and unable to submerge. SMW called Volusia County stranding team member-Debbie Wingfield (DW) to see if someone could check on it, and DW agreed. At 1300 hrs, FWC biologist-William D. Greer (WDG) called FWC rescue coordinator-Andy J. Garrett (AJG) to advise him of the injured manatee, both agreed the manatee should be rescued. At 1301 hrs, WDG contacted Sea World Florida (SWF) rescue coordinator-Jon Peterson (JP) to see if they would be available to assist with the rescue, and JP agreed. At 1430 hrs, WDG and SMW arrived at the manatee's location. At 1510 hrs, WDG met JP and other Sea World Florida staff at the River Breeze boat ramp to launch the rescue boat. At 1700 hrs, the rescue was called off due to too many manatees in the area and high winds.

01 April 2017

At 0741 hrs, FWC on-call biologist-Nadia J. Gordon (NJG) advised DEC that an after-hours page regarding the same manatee had been reported and that SWF was unable to respond for a rescue. NJG offered to bring her boat down and asked DW to verify the manatee in person. DEC called JP to confirm that SWF still had space for the manatee and advised AJG of rescue plans. At 1013 hrs, DW and Volusia County volunteer-Christie Miller launched the boat at the River Breeze boat ramp and searched for the manatee. DEC recruited assistance from WDG and three volunteers and NJG recruited one volunteer. At 1156 hrs, DW located the target animal in a canal north of River Breeze Park. DEC, WDG, NJG, and all volunteers arrived at River Breeze by 1445 hrs and launched the boat. After several capture attempts with a hoop net, the manatee moved out of the canal and appeared exhausted. Using the boat, a net was set around the animal and it was pulled on board at 1554 hrs. The manatee was transported to the boat ramp and loaded into East Central Field Lab's transport truck. DEC and FWC volunteers transported the manatee to Sea World Florida, arriving by 1735 hrs.

PARTICIPANTS

FWC EC: Danielle E. Carter, William D. Greer, Nadia J. Gordon

FWC volunteer: Joe Wolf, Alicia Mackewicz, Gisele Nieman, Zach Johnson

Volusia County: Debbie Wingfield, Christie Miller

Edited by:

DJS

AJG

(Rev. 01/20/2017)



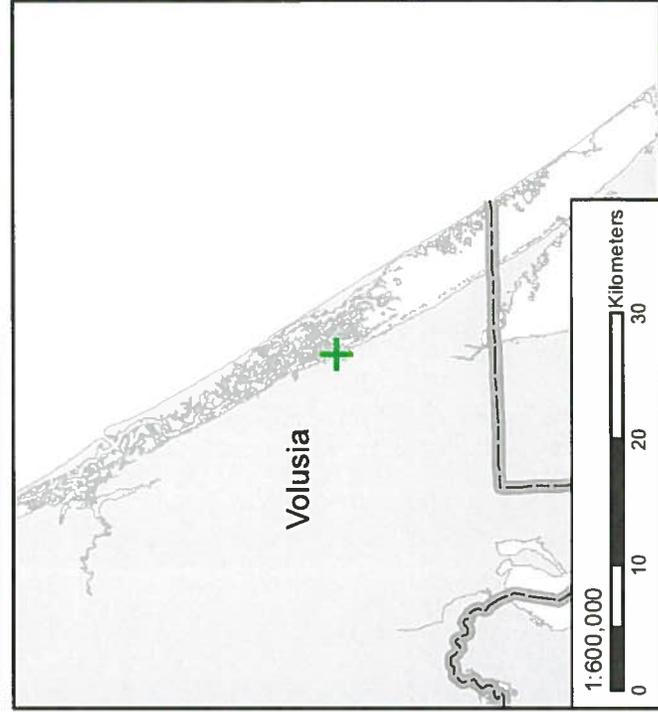
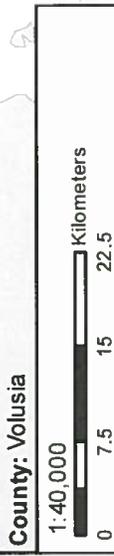
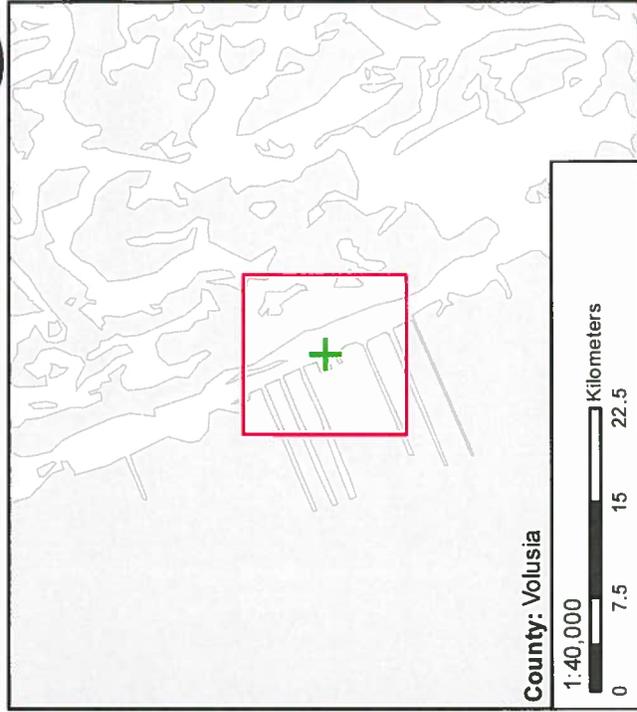
Verified Response Location of Manatee Rescue REC1708



Rescue Date: 4/1/2017

Facility ID: SWFTm1711b

Map Created 10/27/2017



Locality Description:
approximately 60 m SE of 194 Douglas St

Latitude: 28.9048°N

Longitude: -80.85507°W

Resc

From: Garrett, Andy
Sent: Monday, April 03, 2017 8:24 AM
To: (Group)
Subject: RE: Rescue Update

The Oakhill manatee, first reported on Thursday, was relocated on Saturday morning. A rescue team was able to capture the manatee and transport it to Sea World.

REC1708

SWFTM1711B

From: Garrett, Andy
Sent: Thursday, March 30, 2017 4:52 PM
To: (Group)
Subject: RE: Rescue Update

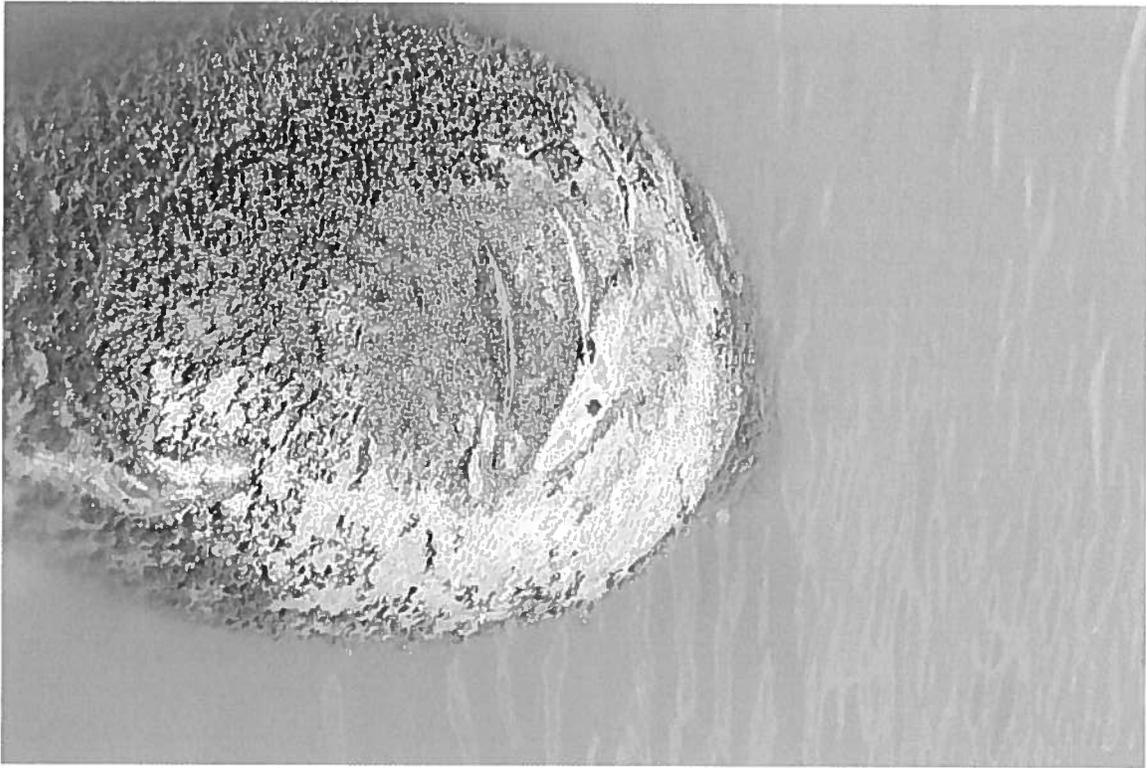
The rescue team arrived on scene, but decided to postpone the capture due to the number of manatees in the area.

From: Garrett, Andy
Sent: Thursday, March 30, 2017 2:06 PM
To: (Group)
Subject: Rescue Alert

Oakhill:

Volusia County staff verified a report of an excessively buoyant manatee with a resolving watercraft wound in the Oakhill/Edgewater area (see attached photos). A rescue team from the FWC and Sea World are responding.

If captured, the manatee will be transported to Sea World.



SWFTM1711B / REC1708



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SUF Tn17116/REC1708
 Name: "Tom O'ALEY"
 ID of its Calf / Mom: _____

Capture ID: _____
 Date: 02 AUG 2017
 Sex: M / F

Data Recorder: Jesse Kessler

CAPTURE

Location: N/A
 Latitude: N/A N
 Longitude: N/A W
 Water Temp: N/A C F

RELEASE

Location: eee Boat Ramp
 Latitude: _____ N
 Longitude: 83 W
 Water Temp: _____ C F

TIMES

Initial Pursuit: N/A
 Net Set: N/A
 Captured (Onboard): N/A
 On Beach: N/A
 Released: 10:50

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
Workup Site: Air Temp = 27.2 C F Wind: 0 mph N/A Cloud Cover: S PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>228</u> | |
| | Total Length (straight) | <u>217</u> | |
| | Snout to Peduncle | <u>148</u> | |
| | Snout to Anus | <u>132</u> | |
| | Snout to Umbilicus | <u>73</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>94</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>130</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>168</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>133</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>3</u> | 4 | 5 |
|---------------------------------|--------------|---|---|--------------|---|---|
| Health Concerns? | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / N</u> | | | | Ribs visible? <u>Y / N</u> | |
| Side between anus & peduncle: | | | | | Rounded / <u>Flat</u> / Concave | |
| Ventrum: | | | | | Rounded / <u>Flat</u> / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | | <u>William Galbraith</u> | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / N</u> | Describe: |
|----------------|------------------------|--------------|
| | | |
| | Lactating? | <u>Y / N</u> |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>None</u> | Data Sheets? <u>Y / N</u> |
|------------|--|---------------------------|
| | Temperature: Oral Naso-pharyngeal Rectal <u>None</u> | <u>Y / N</u> |
| | Respiratory Rate? <u>Y / N</u> | <u>Y / N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWE Tim 1711 b / REC 1700 Capture ID

Date: 02 AUG 2017

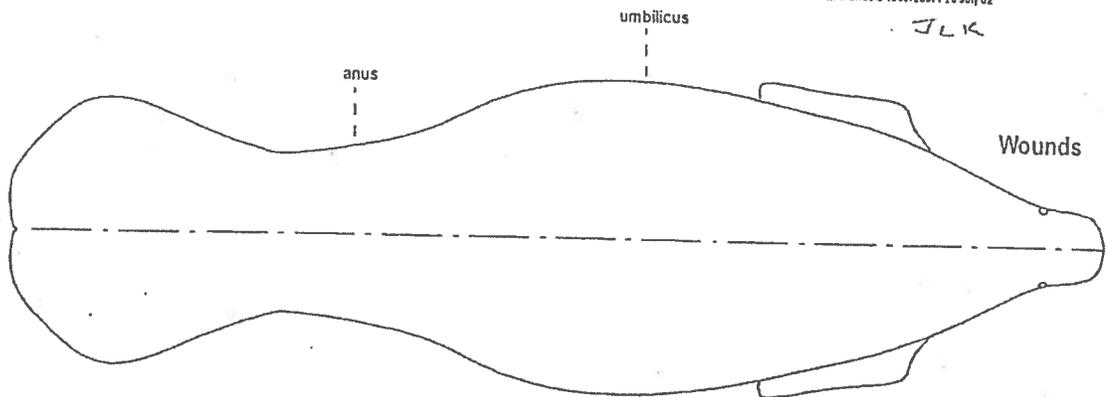
| | | | | |
|--------------------|---|--|-----------------------------|--------------------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: <u> </u> ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: <u> </u> | Freeze / <u> </u> / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / | Freeze / | | |
| PIT TAG | Scanned for previous PIT tag? <u>(Y) / N</u> | PIT tagged at this capture? <u>Y / (N)</u> | | |
| | PIT tagged by: | <u>Jess Peterson - SEA WORLD ORLANDO</u> | | |
| | Right # | <u>00 - 0783 - A872</u> | | |
| | Left # | <u>00 - 07AB - E045</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. <u> </u> MHz | | |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| BELT | ID# / Size / Color | FWC <u> </u> Length: <u> </u> in. Color: <u> </u> | | |
| | Belt Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| | Belt Knot / Webbing Exposed | Left / Right <u> </u> inches | | |
| | CR2a Programmed Release | Y / N Date/Time: <u> </u> | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: <u> </u> hs / tcc | Length: <u> </u> ft. | |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA WAPLES</u> | | |
| | Exposures: | <u>KUC025 - 2017 - 08 - 02 - 2419 to 2430</u> | | |
| SKETCHES | Sketched by: | <u>JESSE KESSLER</u> | | |
| COMMENTS | | | | |

Date 02 AUG 2017

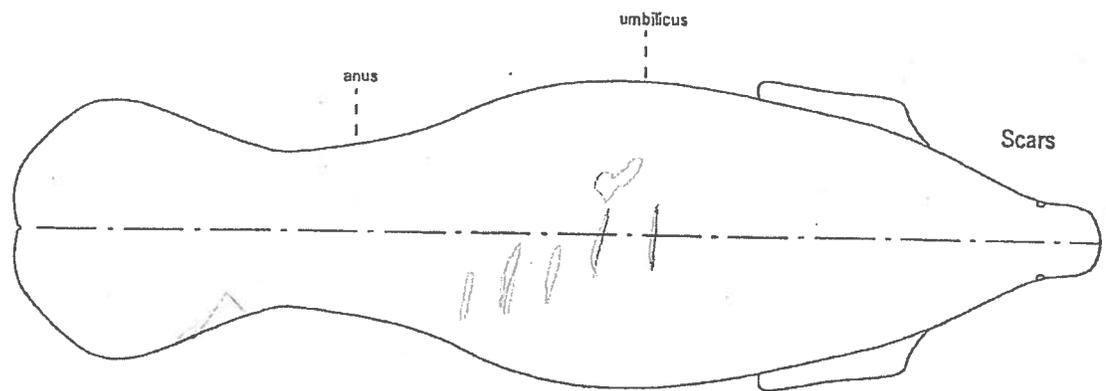
Field I.D. SWFT-17113

c1 Manuals Local2dat1 26 July 02

JLK



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|
| Length | | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | | |



Manatee Information (MLog:1905)

Animal ID: **SWFTM1711B** Sex: **M** Name: **TomDaley** Rearing: **Wild reared**

-- Tag Information -----

Tag Type: Pit Tag Left **Date Applied:** 07/11/2017 **Tag ID** 0007ABE04E

Tag ID 0007ABE04E

Information: TAG APPLIED BY DR. CROFT

Event: **Event Date**

-- Report Information -----

Created By: Jon Peterson **Created Date:** 07/14/2017

Updated By: D **Updated Date:** 07/14/2017

-- Tag Information -----

Tag Type: Pit Tag Right **Date Applied:** 07/11/2017 **Tag ID** 000783a872

Tag ID 000783a872

Information: tag applied by dr.croft

Event: **Event Date**

-- Report Information -----

Created By: Jon Peterson **Created Date:** 07/14/2017

Updated By: D **Updated Date:** 07/14/2017

*Entered
Captive
+
PIT
JWS
8/3/17*

Rescue Report

REC1709

Recs/Rel
4/14/17/6/27/1

Undetermined
thin, buoyant,
unknown location

GENERAL

| | | | | | |
|---|-----------------|-------------------------------------|---|------------------------|----|
| Date of Rescue: 14 April 2017 | | Date of Initial Call: 13 April 2017 | | Filed by: D. Carter | |
| Rescue ID: REC1709 | | Facility ID: SWFTm1714b | | Other ID: Meemaw | |
| FWC Case Number: 4485 | | | FWC Region: NE | | |
| Sex: Female | Length: 304 cm | Estimated: No | Weight: 450 kg | Estimated: No | |
| PIT Tag Present: No | | PIT Tag Applied: No | | R: | L: |
| State: FL | County: Brevard | City: Rockledge | | Waterway: Indian River | |
| Latitude (Decimal Degrees): 28.24735° N | | | Longitude (Decimal Degrees): -80.67819° W | | |
| Locality Description: approximately 25 m SW of 6158 Anchor Ln | | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u>Undetermined</u> | |

All Other

Describe: thin, floating high, old scar (no signs of internal trauma, abscess of unknown origin in abdomen)

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-04-14_6707 through 0611 | |

HISTORY

| Date | Narrative |
|---------------|---|
| 13 April 2017 | <p>At 1422 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Indian River in Rockledge, Brevard County. FWC case number 4485 was assigned. The complainants, Claudia and Mike (763-528-8720), stated the manatee was a large adult, had been in the canal the last 3 days, appeared to be floating high, and wasn't moving much. At 1436 hrs, the complainant sent a photo via text to WDG which appeared to show a manatee with a pneumothorax. At 1520 hrs, WDG arrived at the residence and confirmed it was a pneumothorax case. At 1538 hrs, WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) to alert him about the manatee, and AJG agreed the manatee should be rescued. At 1553 hrs, WDG contacted Sea World Florida (SWF)-Jon Peterson (JP) to see if SWF could assist with a rescue the following day and if they had space for the manatee. JP agreed to help with the rescue and said SWF could take the manatee if it was a female. At 1559 hrs, WDG contacted Miami Seaquarium (MSQ) veterinarian-Maya Rodriguez (MR) to see if MSQ could take the manatee if it was a male, MR agreed.</p> |
| 14 April 2017 | <p>At 0956 hrs, WDG received a call from the complainants saying the manatee was currently behind their home. WDG contacted FWC biologist-Danielle E. Carter (DEC) to let her know the manatee was in the canal. At 1003 hrs, DEC and FWC volunteer-Joe Wolf arrived. DEC contacted JP to advise him that the manatee was in the area and JP informed DEC that their team would leave SWF around 1100 hrs. At 1220 hrs, FWC volunteer-Leo Cross and Brevard Zoo staff-Honey Whitney arrived. Two SWF staff arrived with their transport truck by 1245 hrs and the rest of the staff launched the boat at Grills Riverside Café in Melbourne and arrived by 1330 hrs. Several attempts were made to capture the manatee via land and boat. At 1504 hrs, a boat based net set was completed and the manatee was loaded onto the boat at 1508 hrs. The manatee was transported to the end of the canal, placed in a stretcher, and gender was confirmed to be female. DEC, FWC volunteers, SWF staff, and citizens loaded the manatee into the SWF transport truck and the manatee was transported to SWF.</p> <p>NOTE: Upon examination at Sea World, no internal trauma was noted. Large abscess in abdomen of unknown origin.</p> |

PARTICIPANTS

- FWC EC: Danielle E. Carter
- SWF: Brant Gabriel, Lorri Braso, Jeff Braso, Alec Troeger, Kelly Trotto, Jen Parnell
- Brevard Zoo: Honey Whitney
- FWC Volunteers: Leo Cross, Joe Wolf
- Citizens

Edited by:
 DJS
 AJG

(Rev: 01/20/2017)

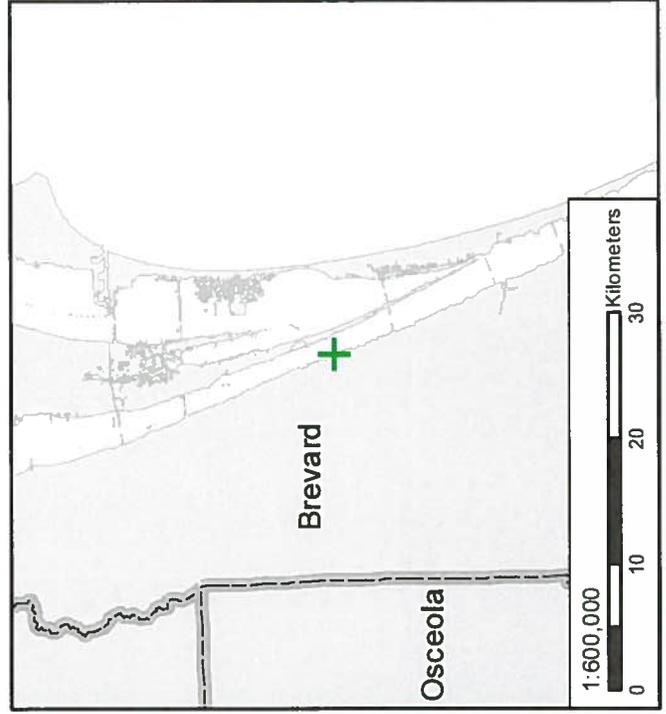
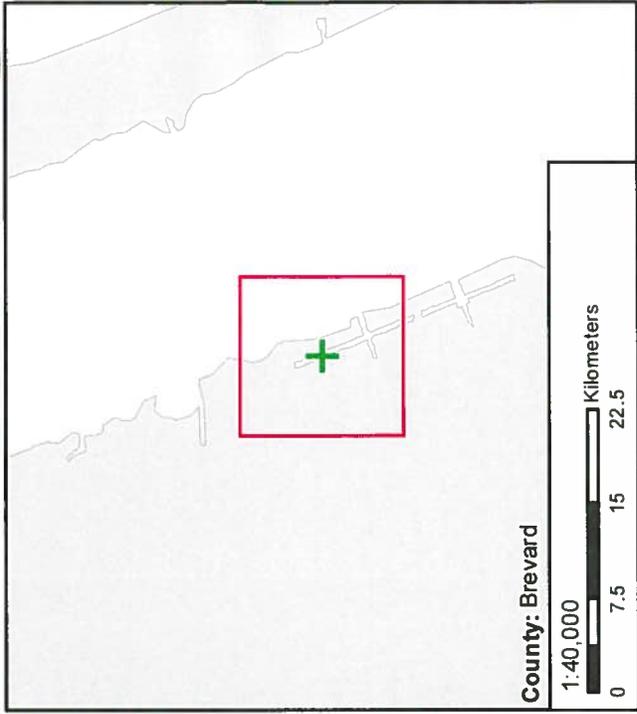


Verified Response Location of Manatee Rescue REC1709

Map Created 10/27/2017

Facility ID: SWFTm1714b

Rescue Date: 4/14/2017



Locality Description:
approximately 25 m SW of 6158 Anchor Ln

Latitude: 28.24735°N

Longitude: -80.67819°W

Szemer, Donna

From: Garrett, Andy
Sent: Thursday, April 13, 2017 4:08 PM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: RE: Rescue Alert
Attachments: IMG_0666.jpg; IMG_0670.jpg

Rockledge:

The FWC-ECFL verified a report of an excessively buoyant adult manatee with a watercraft wound in Rockledge (see attached photos). A rescue team is on standby to respond tomorrow if the manatee is relocated. If captured, and if the manatee is a female, it will be transported to Sea World. If the manatee is captured and male, it will need to be transported to another critical care facility (MSQ is being contacted this afternoon).

Fort Myers Beach:

The FWC-SWFL has received reports of an excessively buoyant manatee with a watercraft wound in Fort Myers Beach. Staff have not seen the manatee in person, but the photos are indicating a rescue is needed. The manatee was first observed on Saturday and the photos and last observations were from yesterday. The manatee was not reported today.

From: Garrett, Andy
Sent: Thursday, April 13, 2017 1:25 PM
To: Adrienne Atkins <aatkins@mote.org>; Alicia Wellman <Alicia.Wellman@MyFWC.com>; Allison Perna <allison.perna@myfwc.com>; 'Amy Teague' <amy_teague@usgs.gov>; Anne Harvey <aharvey@savethemanatee.org>; 'Arielle Taylor-Manges' <Arielle.TaylorManges@dep.state.fl.us>; Ashley <vetashley@dwazoo.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>; Bassett, Brandon <Brandon.Bassett@MyFWC.com>; Bill Greer <bill.greer@myfwc.com>; Boyd, Denise <Denise.Boyd@MyFWC.com>; 'Buddy Powell' <jpowell@sea2shore.org>; 'Carol Knox' <carol.knox@myfwc.com>; Carollyn Parrish <Carollyn.parrish@MyFWC.com>; 'Cathy Beck' <cathy_beck@usgs.gov>; Chip Deutsch <chip.deutsch@myfwc.com>; 'Cora Berchem' <cberchem@savethemanatee.org>; 'Craig Miller' <millerc@jaxzoo.org>; 'Craig Pelton' <kogiavet@hotmail.com>; 'Dave Murphy' <dmurphydvm@gmail.com>; deWit, Martine <Martine.deWit@MyFWC.com>; Dwayne Biggs <Dbiggs@msq.cc>; Frisch, Katherine <Katherine.Frisch@MyFWC.com>; 'Georgia Zern' <gzern@co.volusia.fl.us>; Gordon,



SWFTM1714B IREC1709



Szemer, Donna

From: Garrett, Andy
Sent: Tuesday, April 18, 2017 8:09 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: RE: Rescue Alert
Attachments: IMG_20170415_082040862.jpg

Rockledge:

Last Friday, the excessively buoyant manatee in Rockledge was relocated and captured. The manatee was a female, so it was transported to Sea World.

Sabastian Inlet:

The FWC-ECFL received a report from Sabastian park staff that someone had reported and disentangled a manatee inside the Inlet Friday night. A manatee was reported rolling in the surf on Saturday morning (see attached photo). Based on the tail mutilation and scar pattern, FWC identified the manatee as a MRP manatee "Mudpie" who was tagged and being monitored by Sea to Shore Alliance.

Due to the manatee being stranded and observed rolling in the surf, FWC decided to transport the manatee to Miami Seaquarium for a medical evaluation.

There is an active investigation into why the tracking gear was cut off the manatee.

From: Garrett, Andy
Sent: Thursday, April 13, 2017 4:08 PM
To: Adrienne Atkins <aatkins@mote.org>; Alicia Wellman <Alicia.Wellman@MyFWC.com>; Allison Perna <allison.perna@myfwc.com>; 'Amy Teague' <amy_teague@usgs.gov>; Anne Harvey <aharvey@savethemanatee.org>; 'Arielle Taylor-Manges' <Arielle.TaylorManges@dep.state.fl.us>; Ashley <vetashley@dwazoo.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>; Bassett, Brandon <Brandon.Bassett@MyFWC.com>; Bill Greer <bill.greer@myfwc.com>; Boyd, Denise <Denise.Boyd@MyFWC.com>; 'Buddy Powell' <jpowell@sea2shore.org>; 'Carol Knox' <carol.knox@myfwc.com>; Carollyn Parrish <Carollyn.parrish@MyFWC.com>; 'Cathy Beck' <cathy_beck@usgs.gov>; Chip Deutsch <chip.deutsch@myfwc.com>; 'Cora Berchem' <cberchem@savethemanatee.org>; 'Craig Miller' <millerc@jaxzoo.org>; 'Craig Pelton' <kogiavet@hotmail.com>; 'Dave

Szemer, Donna

From: Greer, Bill
Sent: Thursday, December 07, 2017 9:08 AM
To: Szemer, Donna; Carter, Dani
Cc: Garrett, Andy
Subject: RE: [EXTERNAL] SWFTM1714B (Meemaw)

That's fine with me if that's what they saw. I thought it was watercraft because it was positively buoyant, was listing and had a scar associated on the side that was floating high. But if they didn't see anything clinically that supports that then so be it.

Bill Greer

Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
Cell: 321-626-7367
E-mail: bill.greer@myfwc.com

Office Address:
4020 South Highway A1A
Melbourne Beach, FL 32951
Mailing Address:
3830 South Highway A1A
#4-146
Melbourne Beach, FL 32951

Wildlife Alert: 1-888-404-3922

From: Szemer, Donna
Sent: Tuesday, December 05, 2017 3:55 PM
To: Greer, Bill <Bill.Greer@MyFWC.com>; Carter, Dani <Dani.Carter@MyFWC.com>
Cc: Garrett, Andy <Andy.Garrett@MyFWC.com>
Subject: FW: [EXTERNAL] SWFTM1714B (Meemaw)

Hey everyone,

SWFTM1714B (REC1709, Meemaw) is currently listed as Watercraft in our database. Sea World has it listed as Natural, other (no internal signs of trauma, abscess from unknown ediology in abdomen).

I asked JP about the finding and based on these, I suggested we list this as Undetermined. He agreed that would be a better fit.

Does everyone agree, or did you see something that would indicate a different COR?

Thanks,
Donna

From: Peterson, Jon [<mailto:Jon.Peterson@SeaWorld.com>]
Sent: Tuesday, December 05, 2017 3:42 PM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>
Subject: RE: [EXTERNAL] SWFTM1714B (Meemaw)

That probably would be the best category for her. Thanks

From: Szemer, Donna [<mailto:Donna.Szemer@MyFWC.com>]
Sent: Tuesday, December 05, 2017 3:37 PM
To: Peterson, Jon
Subject: RE: [EXTERNAL] SWFTM1714B (Meemaw)

Thanks for the info., JP.

There is a category of "Undetermined." Would this work better or do you think the abscess originated by some type of Natural insult?

D.

From: Peterson, Jon [<mailto:Jon.Peterson@SeaWorld.com>]
Sent: Tuesday, December 05, 2017 2:35 PM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>
Subject: RE: [EXTERNAL] SWFTM1714B (Meemaw)

Donna at this time we would not classify this animal as water craft we would still classify it as natural unknown. She was very thin but x-rays showed no impact wounds and she did not have a fresh scar. She does have an abdominal abscess that we are trying to resolve but we do not know what the cause of this is. Hope this helps. THANKS JP

From: Szemer, Donna [<mailto:Donna.Szemer@MyFWC.com>]
Sent: Tuesday, December 05, 2017 2:29 PM
To: Peterson, Jon
Subject: [EXTERNAL] SWFTM1714B (Meemaw)

Hi, JP-

Can you please verify the finding of SWFTM1714B (Meemaw) upon arrival at Sea World?

I have the initial Cause of Rescue as Watercraft, but the web database has it listed as Natural.

This manatee was floating high and was very thin. Did you see any type of internal trauma upon examination, or was it assumed to be some type of natural cause (gas in intestines, etc.)?

Thanks!
Donna

Rescue Report

Kean / Rel
4/15/17
REC1710 5/16/17

GENERAL

| | | | | | |
|---|----------------------|-------------------------------------|--|-----------------------------|-----------------|
| Date of Rescue: 15 April 2017 | | Date of Initial Call: 15 April 2017 | | Filed by: W.Greer | |
| Rescue ID: REC1710 | | Facility ID: MSTm1402 | | Other ID: 'Mudpie', RSE1406 | |
| FWC Case Number: 4579 | | | FWC Region: NE | | |
| Sex: Female | Length: 268 cm | Estimated: No | Weight: 475 kg | Estimated: No | |
| PIT Tag Present: Yes | | PIT Tag Applied: No | | R: 00-072A-8EE7 | L: 00-072A-B976 |
| State: FL | County: Indian River | City: Sebastian | | Waterway: Atlantic Ocean | |
| Latitude (Decimal Degrees): 27.85663° N | | | Longitude (Decimal Degrees): -80.4452° W | | |
| Locality Description: approximately 390 m SE of the Ranger/Welcome Station on the S side of Sebastian State Park and 1.11 km NE of Sebastian Inlet State Park boat ramp | | | | | |
| Method of Capture or Assistance: Land Based: Net Set | | | | (Other: _____) | |

Natural
Tidally
Stranded

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input checked="" type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: Strong wind and waves caused manatee to roll around in surf. Appeared exhausted. Known animal, missing tracking tag.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-04-15_0612 through 0628 | |

HISTORY

| Date | Narrative |
|---------------|---|
| 15 April 2017 | At 0801 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee beached just outside Sebastian Inlet in Sebastian, Indian River County. FWC case number 4579 was assigned. The complainant, Diane, a park ranger at Sebastian Inlet |

State Park (321-984-4852), stated the manatee was entangled in a crab trap but it had been removed and now the manatee was struggling in the surf. At 0808 hrs, DEC contacted FWC biologist-William D. Greer (WDG) to advise him of the situation. At 0839 hrs, DEC received a photo from one of the park rangers to confirm the manatee was beached, DEC forwarded the photo to WDG. WDG thought the manatee could be a known manatee, 'Mudpie,' and sent the photos to FWC biologist-Amber R. Howell (ARH) to confirm, ARH agreed it was 'Mudpie'. At 0848 hrs, WDG contacted Sea to Shore biologist-Monica Ross (MR) to advise her of the situation, MR confirmed 'Mudpie's' last movements were in that area. At 0851 hrs, WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) to advise him that it was confirmed as 'Mudpie', AJG said he thought the manatee should be rescued and transported to Miami Seaquarium since that was where her initial rehabilitation had taken place. At 0855 hrs, DEC arrived on scene. At 0905 hrs, WDG contacted Miami Seaquarium veterinarian-Maya Rodriguez (MZ) to advise her of the current situation and to see if they could take the manatee if captured, MZ agreed. DEC along with Sebastian Inlet State Park staff and volunteers attempted to get the manatee into a stretcher but were unable to do so due to wave action. At 0942 hrs, WDG and FWC volunteers-Joe Wolf (JW), Paul Lins (PL) and Anne Lins (AL) arrived. WDG and DEC agreed using a net to get the manatee out of the surf would be the most efficient way to remove the manatee from the water. At 1000 hrs, FWC staff, volunteers, Sebastian Inlet State Park staff and volunteers along with citizens walked the net around the manatee, pulled it out of the surf, and transferred it to a stretcher. 'Mudpie' was carried approximately one-fourth mile to the nearest beach access and loaded into the transport truck. At 1502 hrs, DEC, JW, PL, and AL arrived at Miami Seaquarium.

PARTICIPANTS

FWC EC: Danielle E. Carter, William D. Greer
FWC volunteers: Joe Wolf, Anne Lins, Paul Lins
Sebastian Inlet State Park staff
Sebastian Inlet State Park volunteers
Citizens

Edited by:

DJS
AJG

(Rev: 01/20/2017)

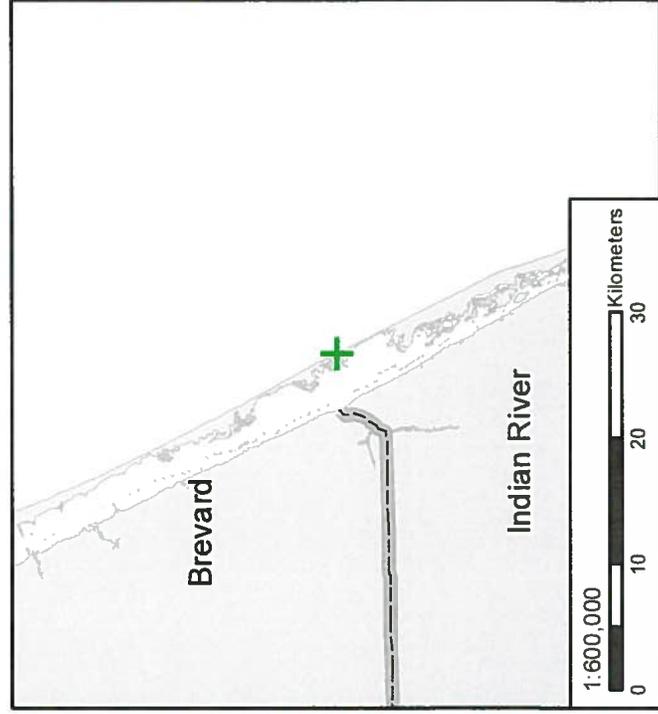
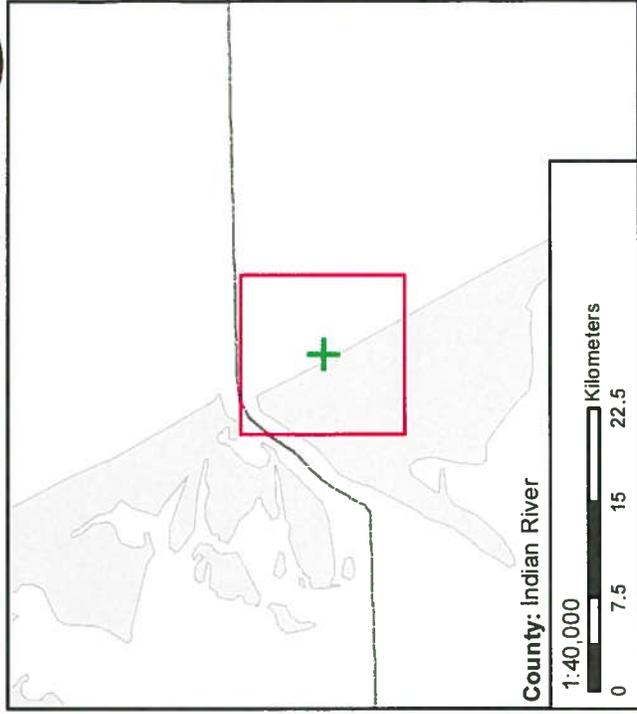
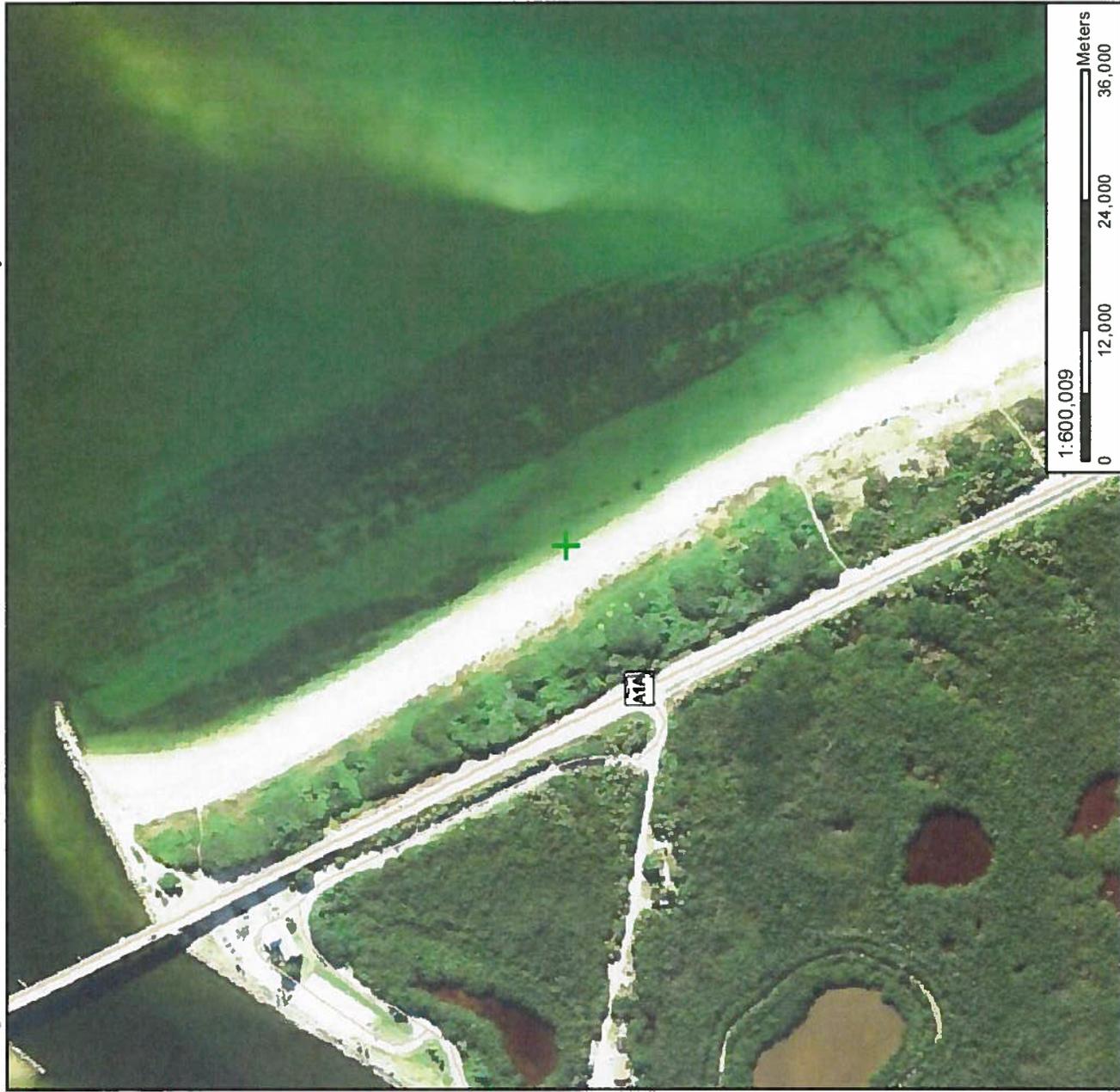


Verified Response Location of Manatee Rescue REC1710

Rescue Date: 4/15/2017

Facility ID:

Map Created 10/27/2017



Locality Description:

approximately 390 m SE of the Ranger/Welcome Station on the S side of Sebastian State Park and 1.11 km NE of Sebastian Inlet State Park boat ramp

Latitude: 27.85663°N

Longitude: -80.4452°W

Szemer, Donna

From: Garrett, Andy
Sent: Tuesday, April 18, 2017 8:09 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: RE: Rescue Alert
Attachments: IMG_20170415_082040862.jpg

Rockledge:

Last Friday, the excessively buoyant manatee in Rockledge was relocated and captured. The manatee was a female, so it was transported to Sea World.

Sabastian Inlet:

REC1710

The FWC-ECFL received a report from Sabastian park staff that someone had reported and disentangled a manatee inside the Inlet Friday night. A manatee was reported rolling in the surf on Saturday morning (see attached photo). Based on the tail mutilation and scar pattern, FWC identified the manatee as a MRP manatee "Mudpie" who was tagged and being monitored by Sea to Shore Alliance.

Due to the manatee being stranded and observed rolling in the surf, FWC decided to transport the manatee to Miami Seaquarium for a medical evaluation.

There is an active investigation into why the tracking gear was cut off the manatee.

From: Garrett, Andy
Sent: Thursday, April 13, 2017 4:08 PM
To: Adrienne Atkins <aatkins@mote.org>; Alicia Wellman <Alicia.Wellman@MyFWC.com>; Allison Perna <allison.perna@myfwc.com>; 'Amy Teague' <amy_teague@usgs.gov>; Anne Harvey <aharvey@savethemanatee.org>; 'Arielle Taylor-Manges' <Arielle.TaylorManges@dep.state.fl.us>; Ashley <vetashley@dwarzoo.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>; Bassett, Brandon <Brandon.Bassett@MyFWC.com>; Bill Greer <bill.greer@myfwc.com>; Boyd, Denise <Denise.Boyd@MyFWC.com>; 'Buddy Powell' <jpowell@sea2shore.org>; 'Carol Knox' <carol.knox@myfwc.com>; Carollyn Parrish <Carollyn.parrish@MyFWC.com>; 'Cathy Beck' <cathy_beck@usgs.gov>; Chip Deutsch <chip.deutsch@myfwc.com>; 'Cora Berchem' <cberchem@savethemanatee.org>; 'Craig Miller' <millerc@jaxzoo.org>; 'Craig Pelton' <kogiavet@hotmail.com>; 'Dave



REC1710
MSTM1402
"Mudpie"
RSE1406

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Temporary ID: _____ Time Net Set: _____
 Manatee ID: MSTm1402 Date: 5-16-2017 Time Captured(Onboard): _____
 Name: Mudpie Sex: Female Time On Beach: _____
 ID of its Calf / Mom: _____ Latitude: _____ N Time Released: _____
 Location: Miami Seaquarium Longitude: _____ W Data Recorder: _____
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = _____ C F Water Temp = _____ C F Wind: _____ mph Cloud Cover: S PC MC O R

| | | | |
|----------------------|---|--------------------------|--------------------|
| MORPHOMETRICS | Weight: <u>1175#</u> (lb or kg) <u>5-16-2017</u> | Manatee + stretcher | Stretcher weight |
| Lengths | Total Length (curvilinear) (cm) | <u>287 cm</u> | |
| | Total Length (straight) | <u>265 cm</u> | |
| | Snout to Peduncle | <u>197 cm</u> | |
| | Snout to Anus | <u>171 cm</u> | |
| | Snout to Umbilicus | <u>94 cm</u> | |
| Girths | Girth at Peduncle: <u>125 cm actual</u> | Ultrasound Loc: _____ cm | Belt Loc: _____ in |
| | Girth at Anus: <u>168 cm actual</u> | | |
| | Girth at Umbilicus: <u>229 cm actual</u> | | |
| | Girth at Axilla: <u>193 cm actual</u> | | |

| | | | | |
|-----------------------------|--------------------|-----------|----------|----------|
| ULTRASOUND | Reader Name: _____ | | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | |
|------------------|---|
| CONDITION | Body Score: <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> Poor Fair Good Very Good Excellent / Undetermined |
| | Peanut shaped head? <u>No</u> Ribs visible? <u>No</u> |
| | Side between anus & peduncle: <u>Rounded</u> |
| | Ventrum: <u>Rounded</u> |
| | Fresh Wounds or Lesions: <u>No</u> |
| | Person(s) assessing condition: <u>Dr. Maya Rodriguez</u> |

| | |
|-----------------------|----------------------|
| REPROD. STATUS | Pregnant? <u>No</u> |
| | Lactating? <u>No</u> |

| | |
|----------------|--|
| SAMPLES | Milk sample collected? stored? <u>No</u> |
| | Volume of milk collected? / Teat? <u>N/A</u> |
| | Person collecting milk? <u>N/A</u> |
| | Urine? stored? <u>No</u> |
| | Fecal? stored? <u>No</u> |
| | Skin? stored? <u>No</u> |
| | Cookie? <u>Genetic Tube taken</u> |

| | |
|-------------------|-------------------------------|
| MONITORING | Heartrate: <u>Stethoscope</u> |
| | Temperature: <u>Nasal</u> |
| | Respiratory Rate? <u>Yes</u> |

Manatee ID: MSTm1402

Manatee Name: Mudpie

Date: 5-16-2017

| | | | | |
|-------------------------------|---------------------------------|--|--------------------------------|----------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: | | |
| | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| *Pre-release bloods collected | 1 | | | L / R |
| | 2 | | | L / R |
| | 3 | | | L / R |
| | Drawn by: | | | |
| | # Tubes of Blood Collected | Blue: | Red: | Purple: |
| | | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | Yes | PIT tagged at this capture? No | |
| | PIT tagged by: | Dr. Maya Rodriquez 11-18-2015 | | |
| | Right # | 00-072A-8EE7 | | |
| | Left # | 00-072A-B976 | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164._____ MHz | | |
| | Tag Sonic ID: FWC_____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC_____ Length: _____" Color: _____ | | |
| | Belt Sonic ID: FWC_____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: | | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: ft. | |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | Left, Right, Front, Rear, Paddle, Scar | | |
| | Exposures: | | | |
| SKETCHES | Sketched by: | | | |
| Comments | | | | |

Szemer, Donna

From: Howell, Amber
Sent: Tuesday, May 16, 2017 3:45 PM
To: Szemer, Donna
Subject: Mud Pie release
Attachments: MSTm1402_HA form2.pdf

Release #2 Health Assessment form. Release location was the same as her last one listed below. She had a tag placed on again by S2S.

From: Howell, Amber
Sent: Wednesday, February 22, 2017 9:10 AM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>
Subject: release today

Today we are releasing "Mudpie" MSTm1402/RSE1406

Release location will be same as rescue location: St Lucie County, Port St Lucie, Little Mud Creek: releasing at the Blink Creek Boat Launch.

I'll send the HA form after the release. We will not be at the ramp until about 2pm so likely not back until after 4.

Amber Howell
Research Associate – Marine Mammals
Florida Fish and Wildlife Conservation Commission
Marine Mammal Section
19100 SE Federal Highway, Tequesta, FL 33469
561-398-5914

Wildlife Alert Hotline: 1-888-404-3922

Rescue Report

REC1712

Resc / Dis
5/7/17 / 5/7/17
Calf by itself

GENERAL

| | | |
|--|-----------------------------------|--|
| Date of Rescue: 07 May 2017 | Date of Initial Call: 07 May 2017 | Filed by: S. Wappes |
| Rescue ID: REC1712 | Facility ID: | Other ID: MEC17068 |
| FWC Case Number: 5801 | FWC Region: NE | |
| Sex: Male | Length: 139 cm | Estimated: No |
| | | Weight: N/T kg |
| | | Estimated: |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | City: Merritt Island | County: Brevard |
| | | Waterway: Barge Canal |
| Latitude (Decimal Degrees): 28.40817° N | | Longitude (Decimal Degrees): -080.70376° W |
| Locality Description: Approximately 270 m ESE of 3031 Sea Gate Cir | | |
| Method of Capture: Boat Based: Captured by Hand | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input checked="" type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: No attending adult, peanut head, recent boat strike

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | CITZ_2017-05-07_01-02 | |

HISTORY

| Date | Narrative |
|-------------|---|
| 07 May 2017 | At 1144 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding an orphaned calf that was also possibly struck by a boat in the Barge Canal in Merritt Island, Brevard County. FWC case number 5801 was assigned. The complainant, Robert (321-501-6754), reported that the manatee was three feet long, had flaps of skin from recent |

Rescue Report

REC1712

propeller marks, and no other manatees were in the area. At 1152 hrs, SMW received a photo and video from the complainant verifying the orphaned calf. At 1210 hrs, SMW requested FWC LE assistance to keep eyes on the animal until the rescue team could arrive. SMW called FWC Manatee Rescue Coordinator-Andrew J. Garrett to advise him of the situation and called SeaWorld Florida-Jon Peterson to confirm that SeaWorld had room for the manatee if captured. The complainant texted SMW that FWC Ofc. Miller and FWC Ofc. Lejarzar had arrived at 1223 hrs and captured the animal by hand at 1229 hrs. SMW advised the officers of the difficulty of keeping a calf breathing outside of the water and described different methods to stimulate breath. At 1239 hrs, the officers notified SMW that the manatee had died. SMW and FWC volunteer-Joe Wolf arrived at the boat ramp at 1335 hrs and loaded the carcass into the back of the truck by 1345 hrs.

PARTICIPANTS

FWC Ofc. Lejarzar

FWC Ofc. Miller

Edited by:

DJS
AJG

(Rev. 01/20/2017)

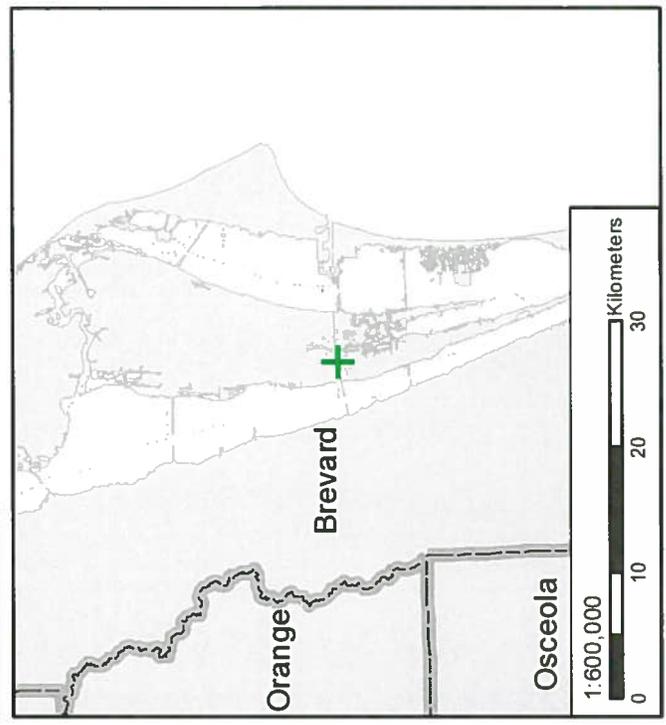
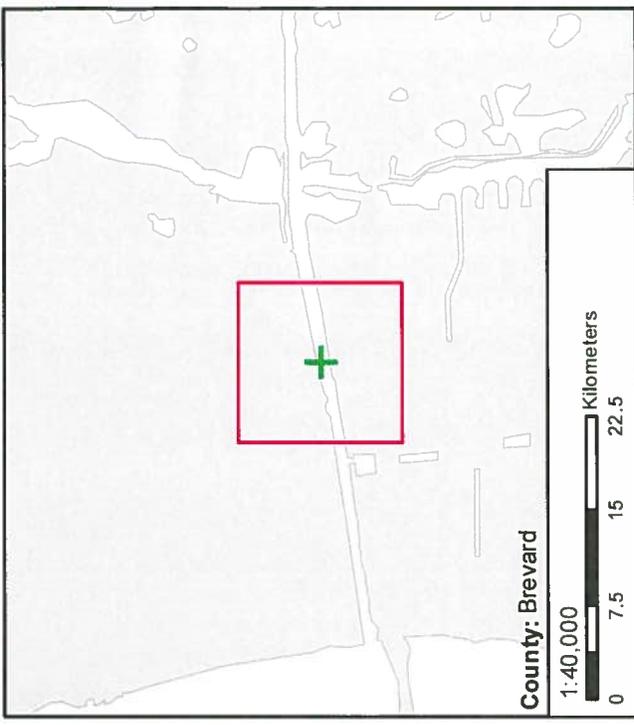
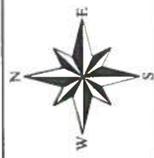


Verified Response Location of Manatee Rescue REC1712

Map Created 11/27/2017

Facility ID: N/A

Rescue Date: 5/7/2017



Locality Description:
approximately 270 m ESE of 3031 Sea Gate Cir

Latitude: 28.40817°N

Longitude: -80.70376°W

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: MEC17068
Date of Report: 2017-May-07
Filed By: FWC EC Field Station

FWC Case # 5801 FWC Region: NE
Sex: Male Length: 139 cm Weight: Not Taken kg

DATE REPORTED: 2017-May-07 By: Citizen to FWC NE Dispatch

DATE COLLECTED: 2017-May-07 By: FWC-SMW

DATE NECROPSIED: 2018-Aug-16 By: MMPL-MdW,ALP,GLL,BDB

LOCATION: State: FL Latitude: 28.40817 N
County: Brevard Longitude: -80.70376 W
Waterway: Barge Canal

Locality description: Merritt Island, approximately 270 m ESE of 3031 Sea Gate Circle.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Perinatal (<= 150 cm)

EXPLAIN: Natural: Other; Emaciated; Thickened epidermis; Cobblestone-like epidermis; Abscess(es); Depleted fats; Relatively empty GI tract; Wet lung(s); Thick algal mat; Sediment in upper GI tract; Duodenum, colon ulcers; Congested colon wall; Kidney lesion.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial, Internal, Other (Wounds, Flippers).

MATERIALS COLLECTED:

Genetics, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Perinatal evaluation performed. Rescue report. Wound measurements.

REMARKS:

PIT tag scan negative. Died on 07 May 2017. Died at 1229 hrs. Watercraft wounds; See rescue report REC1712. Rescued on 07 May 2017 but died shortly after capture by officers.

| | |
|-----------------|-------------|
| Page 1&2 | 20 Nov 2018 |
| Necropsy Report | 20 Nov 2018 |
| Lat/Long | 20 Nov 2018 |

MORPHOMETRICS:

| | | | | | |
|----------------------------|--------|-----------------------------|-------|--------------------------|-------------|
| Total length: | 139 cm | Fluke base: | 41 cm | Girth at axillae: | 67 cm |
| Snout to anus: | 92 cm | Fluke width: | 34 cm | | |
| Snout to U/G: | 63 cm | Girth at fluke base: | 48 cm | | |
| Snout to umbilicus: | 55 cm | Girth at anus: | 59 cm | | |
| Flipper width: | 8 cm | Girth at umbilicus: | 83 cm | Nail count: R: 3 | L: 3 |

| | | | | |
|---------------------------------|----------------|----------------|---------------------------------|--------|
| | Ventral | Lateral | | |
| Skin Thickness: | 0.8 cm | 1.9 cm | | |
| Outer Blubber Thickness: | 1.3 cm | 0.1 cm | Abdominal Fat Thickness: | 0.3 cm |
| Inner Blubber Thickness: | 0.2 cm | 0.1 cm | Epidermis Thickness: | 0.2 cm |

| | | |
|---|---|--------|
| Perinatal: | Ductus Arteriosis Diameter: | 0.5 cm |
| Urachus closed at bladder tip. Umbilical arteries closed. | Left Pulmonary Artery Diameter: | 1.4 cm |
| | Right Pulmonary Artery Diameter: | 1.3 cm |

Uterine Scarring Measurements:

| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
|-------------|---------------------------|-------------------|
| Right | | |
| Right | | |
| Left | | |
| Left | | |

Male Reproductive:

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |

Fetus 1: Sex: Report?:

| | |
|-----------------------|--|
| Length: | |
| Weight: | |
| Samples Taken: | |

Brevetoxin Results:

| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
|----------------------------------|----------------------|--------------|
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

Fetus 2: Sex: Report?:

| | |
|-----------------------|--|
| Length: | |
| Weight: | |
| Samples Taken: | |

Kease
5/26/17

Rescue Report

REC1714

Watercraft

GENERAL

Date of Rescue: 26 May 2017 Date of Initial Call: 21 May 2017 Filed by: W. Greer
 Rescue ID: REC1714 Facility ID: SWFTm1715b Other ID: Zepplin
 FWC Case Number: 6644, 6712, 6848, 6920, 6933, 6940 FWC Region: NE
 Sex: Female Length: 265 cm Estimated: No Weight: 400 kg Estimated: No
 PIT Tag Present: No PIT Tag Applied: No R: L:
 State: Florida County: Brevard City: Merritt Island Waterway: Banana River
 Latitude (Decimal Degrees): 28.39112° N Longitude (Decimal Degrees): -080.66486° W
 Locality Description: Approximately 95 m N of 1750 Larchmont Court
 Method of Capture or Assistance: Boat Based: Net Set (Other: _____)

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

Watercraft

Check all that apply:

Penetrating Cuts Impact Other
 Describe: Small linear skeg mark across healed wound series; pneumothorax

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-05-22_1075 through 1092; FWC025_2017-05-25_1093 through 1111; FWC025_2017-05-26_1112 through 1133; WDG_2017-05-26_001 | |

Rescue Report

REC1714

HISTORY

| Date | Narrative |
|-------------|--|
| 21 May 2017 | At 1045 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the Indian River in Titusville, Brevard County. FWC case number 6644 was assigned. The complainant, Alan Kramer (321-750-7517), stated that the manatee had a gash on its back and was being pushed by two manatee calves. At 1102 hrs, SMW received a photo from the complainant verifying the manatee was a pneumothorax case. At 1233 hrs, SMW and FWC intern-Jesse L. Kessler (JLK) met FWC Ofc. Harry Balgo at the Port St. John Boat Ramp. The area was searched for an hour but the manatee was not located. |
| 22 May 2017 | At 1249 hrs, SMW received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the Indian River in Titusville, Brevard County. FWC case number 6712 was assigned. The complainant, Ben Shepard (407-304-9311), stated the manatee was floating on its side. At 1300 hrs, SMW received a photo verifying that it was the same animal from the day before. At 1355 hrs, SMW, JLK, and FWC biologist-William D. Greer (WDG) arrived at the OUC power plant boat ramp. SMW, JLK, and WDG located the manatee but due to high winds and choppy river conditions a rescue was postponed. |
| 25 May 2017 | At 0644 hrs, FWC on-call biologist-Kane J. Rigney received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the Indian River in Titusville, Brevard County. FWC case number 6848 was assigned. The complainant, Daniel Stone (772-228-0282), stated he saw a dead or injured manatee from his dock for over an hour. At 1130 hrs, FWC biologist-Danielle E. Carter (DEC), JLK, and FWC volunteer-D. Lomas arrived at the OUC power plant and located the manatee. DEC contacted AJG to inform him the manatee had been relocated and conditions were good enough to attempt a rescue, AJG agreed. DEC confirmed with Sea World Florida (SWF)-Jon Peterson (JP) that they could assist in the rescue and accept the animal for rehabilitation if captured. At 1321 hrs, SMW arrived and at 1415 hrs, SWF staff arrived at the boat ramp. SWF was unable to capture the manatee due to attending males. |
| 26 May 2017 | At 1200 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the Banana River in Merritt Island, Brevard County. FWC case number 6920 was assigned. The complainants, Darlene and Jim Seward (732-539-6934), stated the manatee had buoyancy issues. At 1214 hrs, DEC received a photo via text from the complainants confirming a pneumothorax case. At 1240 hrs, WDG arrived on scene and confirmed from the scar pattern it was the same manatee seen in Titusville earlier in the week. At 1253 hrs, WDG contacted AJG to inform him the manatee had been relocated and weather conditions were good enough to attempt a rescue. At 1258 hrs, WDG contacted JP to confirm SWF could assist in the rescue and take the animal for rehabilitation if captured. At 1358 hrs, WDG received a text alert from FWC NE Dispatch-Orlando regarding a dead manatee in the Banana |

Rescue Report

REC1714

River in Merritt Island, Brevard County. FWC case number 6933 was assigned. The complainant, Crystal Robinson (407-497-1960) stated the manatee was dead; however, based on its location it was determined to be the same manatee WDG was monitoring. At 1446 hrs, SWF staff arrived with their rescue boat and DEC arrived with the ECFL Key West at Kelly Park, and they launched their respective boats. At 1519 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding a dead manatee in the Banana River in Merritt Island, Brevard County. FWC case number 6940 was assigned. The complainant, Mark Chatelain (321-452-4314) stated the manatee was dead; however, based on its location it was determined to be the same manatee WDG was monitoring. At 1623 hrs, FWC ECFL staff and SWF staff captured the manatee and transported it to Kelly Park where the manatee was loaded into the SWF transport truck and transported to SWF.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter

SWF: Jon Peterson, Nik Ricci, Tia Knighton, Brittany Baker, Jennifer Parnell, Mark Blackstone, Stacy DiRocco

Edited by:

DJS,
AJG
GLL

(Rev: 01/20/2017)



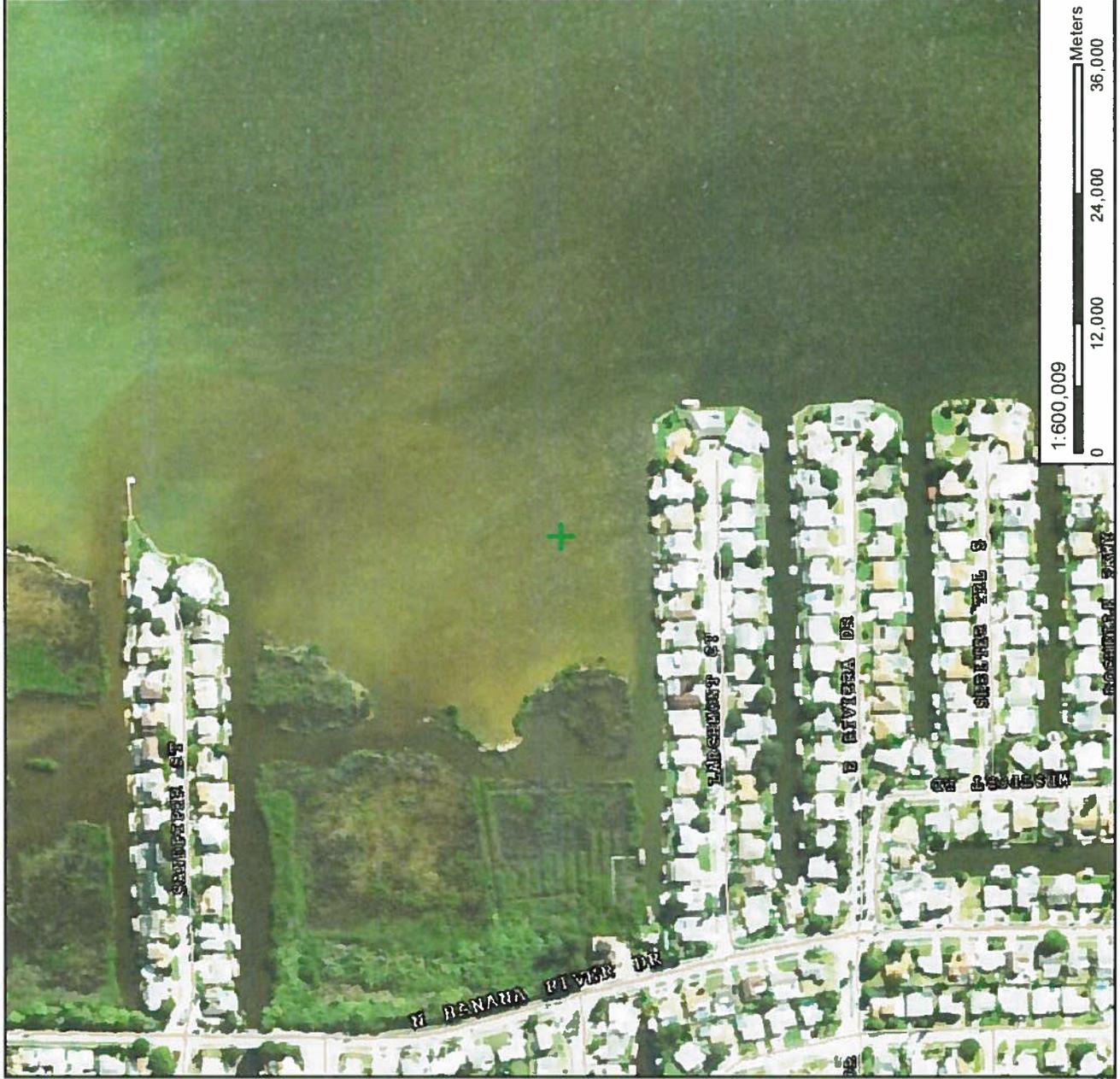
Verified Response Location of Manatee Rescue REC1714

Facility ID: SWFTm1715b

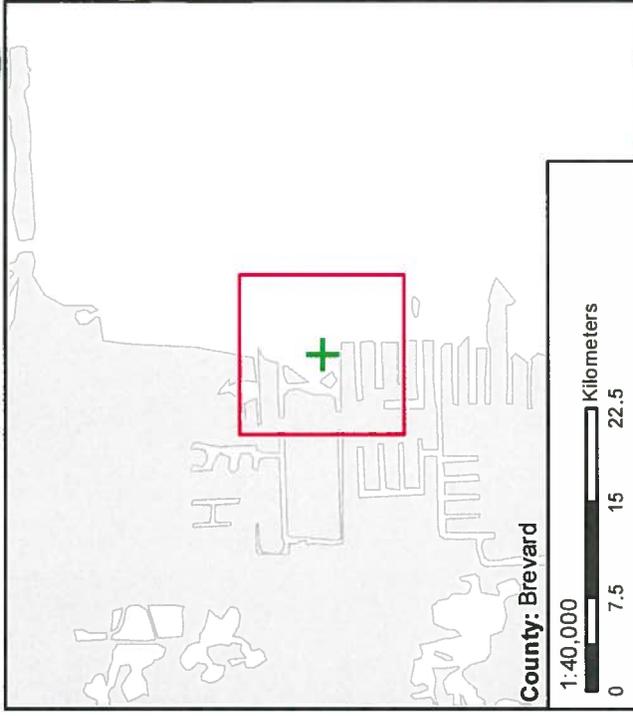
Map Created 11/27/2017



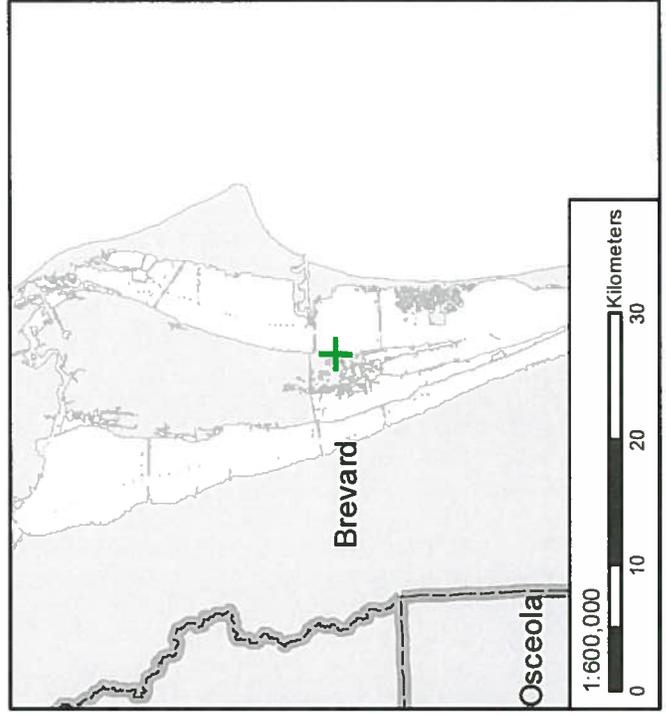
Rescue Date: 5/26/2017



Locality Description:
approximately 95 m N of 1750 Larchmont Court



County: Brevard



Osceola



Latitude: 28.39112°N

Longitude: -80.66486°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF_{Tm}1715b/MS_{Tm}1802 REC 1714/

Capture ID: _____

Data Recorder: William Greer

Name: 'ZEPPLIN'

Date: 03 APR 2018

ID of its Calf / Mom: _____

Sex: M / (F)

CAPTURE

Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE

Location: KARS PARK Boat Ramp
 Latitude: 28.4350444 N
 Longitude: -080.6597944 W
 Water Temp: 25.3 (C) F

TIMES

Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1458

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 29.0 (C) F Wind: 4.5 mph E Cloud Cover: (S) PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| | <u>449</u> kg | | |
| Lengths | Total Length (curvilinear) (cm) | <u>291</u> | |
| | Total Length (straight) | <u>276</u> | |
| | Snout to Peduncle | <u>206</u> | |
| | Snout to Anus | <u>179</u> | |
| | Snout to Umbilicus | <u>101</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>113</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>157</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>205</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>173</u> | |

| ULTRASOUND | Reader Name: _____ | | | |
|------------------------------|--------------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>(3)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|---------------------------|----------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>(Rounded)</u> | / Flat / Concave | |
| Ventrum: | | | | <u>(Rounded)</u> | / Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>DR. MAYA RODRIGUEZ</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: |
|----------------|------------------------------------|
| Lactating? | <u>Y / (N)</u> |

| MONITORING | Heartrate: <u>(Stethoscope)</u> EKG Doppler None | Data Sheets? <u>Y (N)</u> |
|--|--|---------------------------|
| Temperature: Oral <u>(Naso-pharyngeal)</u> Rectal None | | <u>Y (N)</u> |
| Respiratory Rate? <u>(Y) N</u> | | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: _____ |
|--------------------|--------------------------|-------------------|
| Location(s): _____ | | |

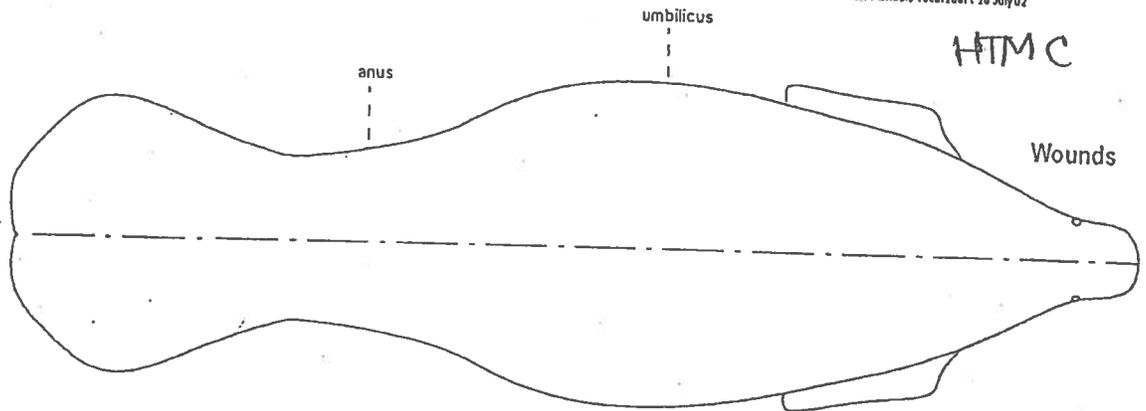
Manatee ID: ^{MST-1202} SWF 7m 17156/REC1714 Capture ID

Date: 03 APR 2018

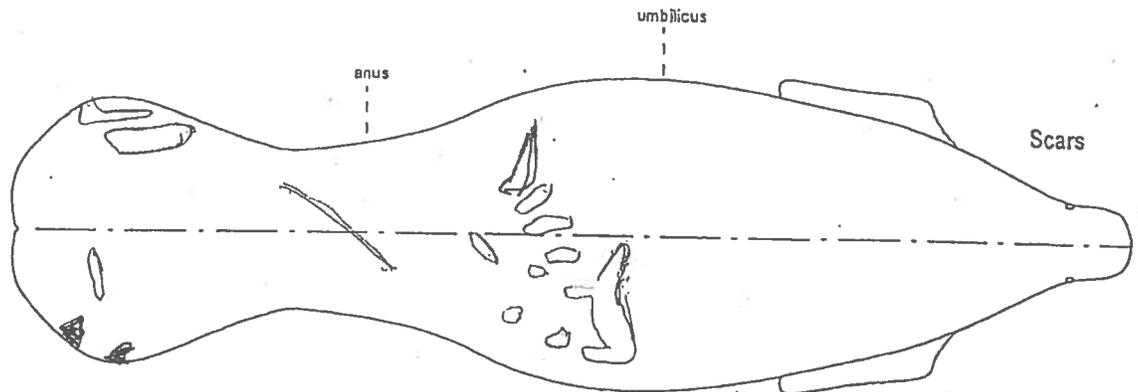
| | | | | |
|--|---|---|-------------|-------------------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / N volume: ___ ml | Refrig / Freeze | | |
| | Urine? Y / N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / N | Freeze / EtOH | | |
| | Skin Scraping? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? Y / N Oral / Rectal | Refrig | | |
| | Other? Y / N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="checkbox"/> / N | PIT tagged at this capture? Y / <input checked="" type="checkbox"/> N | | |
| | PIT tagged by: | DR. MAYA RODRIGUEZ | | |
| | Right # | Ø Ø - Ø 7 8 8 - 5 6 3 1 | | |
| | Left # | Ø Ø - Ø 7 8 6 - 9 3 0 F | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: _____ | | |
| . LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / tcc | Length: _____ ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | WILLIAM D. GAERK | | |
| | Exposures: | FWC025-2018-04-03-0453-0473 | | |
| SKETCHES | Sketched by: | HALLEY T.M. CARROTHERS - FWC INTZRW | | |
| COMMENTS | | | | |
| RESEARCHER'S TERN ON 08 MAR 2018 BY MSQ. | | | | |
| ENVIRONMENTAL DATA COLLECTED AT 1521. | | | | |

Date 03 APR 2019

REC 1714
MSTM 1802
Field I.D. SWF 7m 17156
'2 R PPLIN'
c:\Man\als\scar2dat1 26 July 02

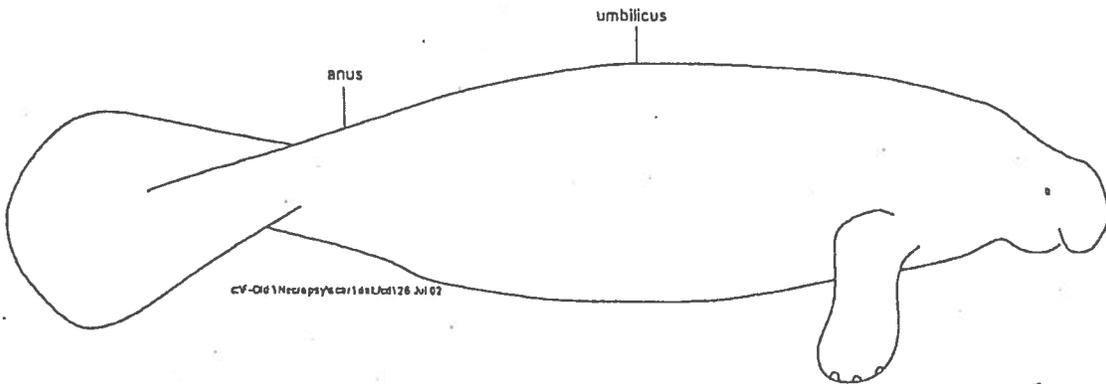
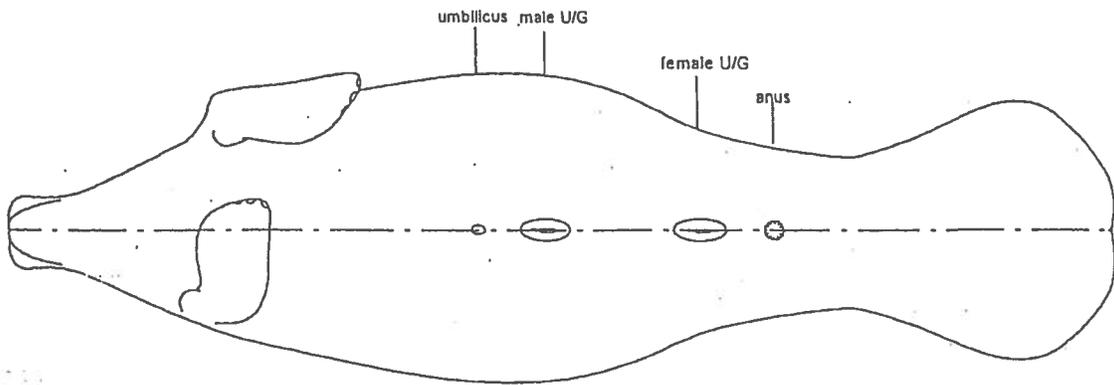
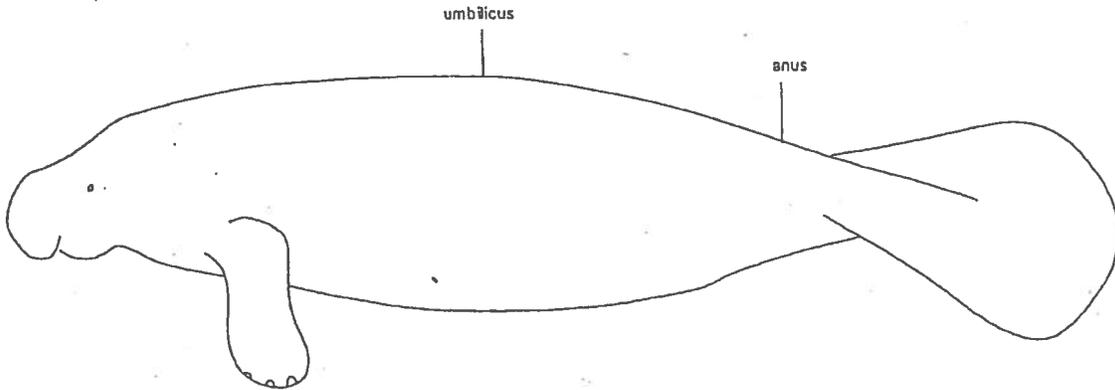


| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D.

REC 1714
MSTm 1802
SWF Tm 1715b
'ZEPLIN'



CV-001 Necropsy/cor/1802/02

Resc/Rel
5/29/17/2/11/18

Rescue Report

REC1715

Watercraft

GENERAL

| | | |
|---|-----------------------------------|---|
| Date of Rescue: 29 May 2017 | Date of Initial Call: 29 May 2017 | Filed by: S. Wappes |
| Rescue ID: REC1715 | Facility ID: SWFTm1716b | Other ID: Lagoon |
| FWC Case Number: 7131 | FWC Region: NE | |
| Sex: Female | Length: 241 cm | Estimated: No |
| | Weight: 265 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Volusia | City: New Smyrna Beach |
| | | Waterway: Mosquito Lagoon |
| Latitude (Decimal Degrees): 28.9554° N | | Longitude (Decimal Degrees): -80.84657° W |
| Locality Description: Approximately 45 m W of 823 Flounder Ave | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|--|---------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> Penetrating Cuts | <input type="checkbox"/> Impact | <input type="checkbox"/> Other |
| Describe: Three deeply penetrating cuts to the head area and left cranial dorsum | | |

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-05-29_1163 through 1175 | |

HISTORY

| Date | Narrative |
|-------------|--|
| 29 May 2017 | At 1116 hrs, FWC on-call biologist-Denise M. Boyd (DMB) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the |

Rescue Report

REC1715

Mosquito Lagoon near New Smyrna Beach, Volusia County. FWC case number 7131 was assigned. The complainant, Clint Beaty (407-716-1251), stated that the manatee had a wound to the neck and back of its head, was swimming in circles, and was not responsive to kayakers approaching it. At 1122 hrs, DMB requested FWC LE assistance and was informed that no officers were available. At 1137 hrs, DMB contacted FWC biologist-Sara M. Wappes (SMW) to pass on the information. At 1310 hrs, SMW and FWC volunteer-Joe Wolf arrived at the residence. At 1338 hrs, SMW verified the manatee was in need of rescue. At 1339 hrs, SMW notified FWC Rescue Coordinator-Andrew J. Garrett of the injured manatee. At 1342 hrs, SMW called Sea World Florida (SWF)-Jon Peterson to request assistance with the rescue and verify that SWF could accept the manatee for rehabilitation. SWF arrived at Canaveral National Seashore boat ramp at 1600 hrs and captured the manatee at 1640 hrs. The manatee was loaded into the SWF transport truck by 1709 hrs.

PARTICIPANTS

FWC EC: S. Wappes

FWC Vol: Joe Wolf

SeaWorld Orlando: Jon Peterson, Wayne Grinder, Kristy Unger, Jessica McCormick, Jennifer Parnell, Kelly Cluckey

Edited by:

DJS

AJG

GLL

(Rev. 01/20/2017)

Szemer, Donna

From: Garrett, Andy
Sent: Tuesday, May 30, 2017 7:19 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carolyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Bukowski, Lucy; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update

REC1715

New Smyrna Beach:

Yesterday afternoon, the FWC-ECFL responded a report of a manatee swimming in circles with a fresh watercraft wound on its head. The manatee was found in shallow water with a propeller wound series at the base of the head and neck and was observed to be lethargic. A Sea World rescue team responded and the manatee was captured and transported to Sea World.

-Andy

Bassett, Brandon

From: Rood, Kari
Sent: Wednesday, September 20, 2017 10:34 AM
To: Bassett, Brandon; amy_teague@usgs.gov; Jennifer H. Johnson; gary.violetta@seaworld.com; Allen, Aarin; Barbeau, Brittany; Barlas, Margie; Beard, Shelby; Beck, Cathy; Boyd, Denise; Carter, Dani; Deutsch, Chip; deWit, Martine; Garrett, Andy; Gordon, Nadia; Greer, Bill; Herring, Hada; Honaker, Allison; Johnson, Jennifer; Jones, Emma; Levine, Daniel; Martz, Meg; Panike, Anna; Perna, Allison; Ruben, Cheyanne; Schubert, Molly; sheri@mote.org; Szemer, Donna; Van der Maelen, Matt; Wappes, Sara; Whitcomb, Tara
Subject: REC1727=RB716

REC1727/SWFTm1729b was matched to known photo-ID animal RB716.

Sighted 1/10/10 and 1/5/12 at the Riviera Beach Power Plant. USGS may have additional sightings.

Sighting records are not to be used without permission from FWC, MML, and/or USGS, as appropriate.

Verifiers: KAH & HONAKER 9/20/17

Kari A. Rood

Manatee Photo-identification
Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
100 8th Avenue S.E.
St. Petersburg, FL 33701

Direct line: (727) 502-4737
Main line: (727) 896-8626
Kari.Rood@MyFWC.com
<http://MyFWC.com>
<http://MyFWC.com/research/>

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

SWF (REC175) Temporary ID: _____ Time Net Set: _____
 Manatee ID: TM 1716B Date: 12/19/17 Time Captured(Onboard): _____
 Name: LAGOONA Sex: M / (F) Time On Beach: _____
 ID of its Calf / Mom: _____ Latitude: _____ N Time Released: _____
 Location: _____ Longitude: _____ W Data Recorder: _____
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = _____ C F Water Temp = _____ C F Wind: _____ mph Cloud Cover: S PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) <u>634</u> | Manatee + stretcher <u>720</u> | Stretcher weight <u>86</u> |
|----------------|-----------------------------------|-----------------------------------|-------------------------------|
| Lengths | Total Length (curvilinear) (cm) | | |
| | Total Length (straight) | | <u>1236</u> |
| | Snout to Peduncle | | |
| | Snout to Anus | | |
| | Snout to Umbilicus | | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: _____ cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | | |
| | Girth at Umbilicus: actual or 1/2 | | |
| | Girth at Axilla: actual or 1/2 | | |

| ULTRASOUND | | Reader Name: _____ | | | |
|-----------------------|---------------|--------------------|------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: 1 / 2 | 1 | / | / | / | |
| Other: | 2 | / | / | / | |
| | 3 | / | / | / | |

| CONDITION | Body Score: 1 2 3 4 5 | | | | |
|--------------------------------|-----------------------|------|--|-----------|--------------------------|
| | Poor | Fair | Good | Very Good | Excellent / Undetermined |
| Peanut shaped head? | Y / N | | Ribs visible? | Y / N | |
| Side between anus & peduncle: | | | Rounded / Flat / Concave | | |
| Ventrum: | | | Rounded / Flat / Concave / Ventral Folds | | |
| Fresh Wounds or Lesions: | | | Y / N (describe in comments) | | |
| Person(s) assessing condition: | | | | | |

| REPROD. STATUS | Pregnant? Y / N If so, describe: |
|----------------|----------------------------------|
| Lactating? | Y / N |

| SAMPLES | Milk sample collected? stored? Y / N | Refrig / Freeze |
|-----------------------------------|--------------------------------------|----------------------------|
| Volume of milk collected? / Teat? | | ml / right left both |
| Person collecting milk? | | |
| Urine? stored? | Y / N | Refrig / Freeze |
| Fecal? stored? | Y / N | Freeze / 5% NBF / 70% ETOH |
| Skin? stored? | Y / N | Refrig / Freeze / DMSO |
| Cookie? | Y / N | Location: |

| MONITORING | Heartrate: Stethoscope EKG Pulse-Oximeter None | Data Sheets? Y N |
|--|--|------------------|
| Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None | <u>95.6</u> | Y N |
| Respiratory Rate? Y N | | Y N |

SWF
Manatee ID **TM1716B**

Manatee Name: **LAGOONA**

Date: **12/19/17**

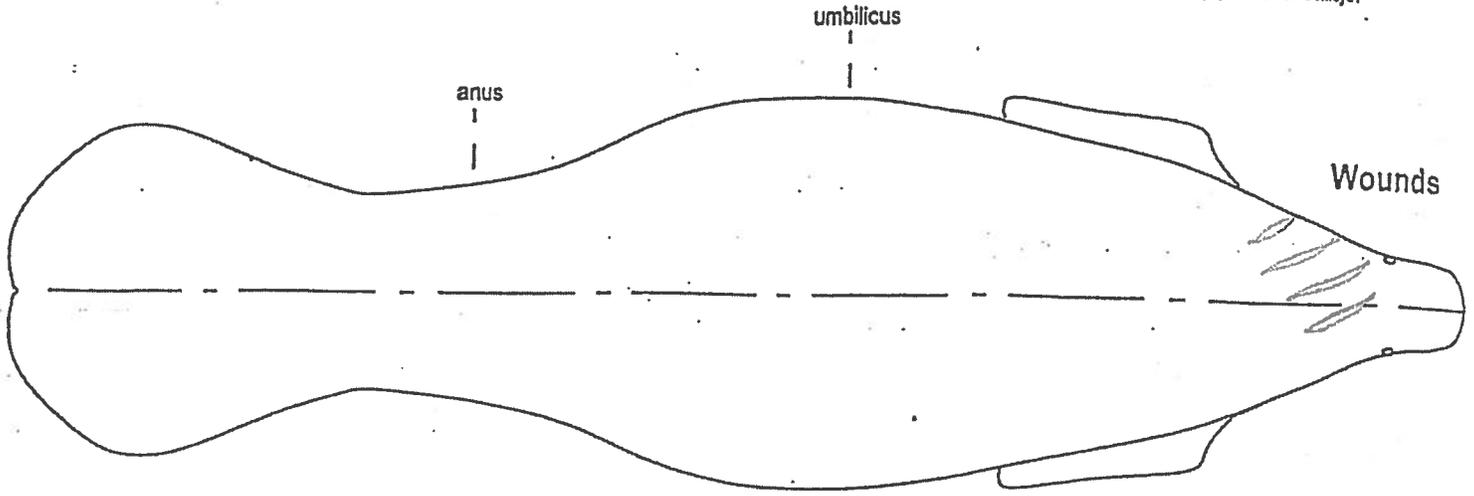
| | | | | |
|---------------------|---------------------------------|---------------------------------------|-----------------------------------|----------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: | | |
| | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| | 1 | | | L / R |
| | 2 | | | L / R |
| | 3 | | | L / R |
| | Drawn by: | | | |
| | # Tubes of Blood Collected | Blue: | Red: | Purple: |
| | | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | Y / N | PIT tagged at this capture? Y / N | |
| | PIT tagged by: | | | |
| | Right # | - - - - - | | |
| | Left # | - - - - - | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC _____ Length: _____" Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | | _____ inches |
| | CR2a Programmed Release | Y / N | Date/Time: | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: | ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | | | |
| | Exposures: | | | |
| SKETCHES | Sketched by: | | | |

Comments Antibiotics injected into anterior scar.
B12 injection above right pec.

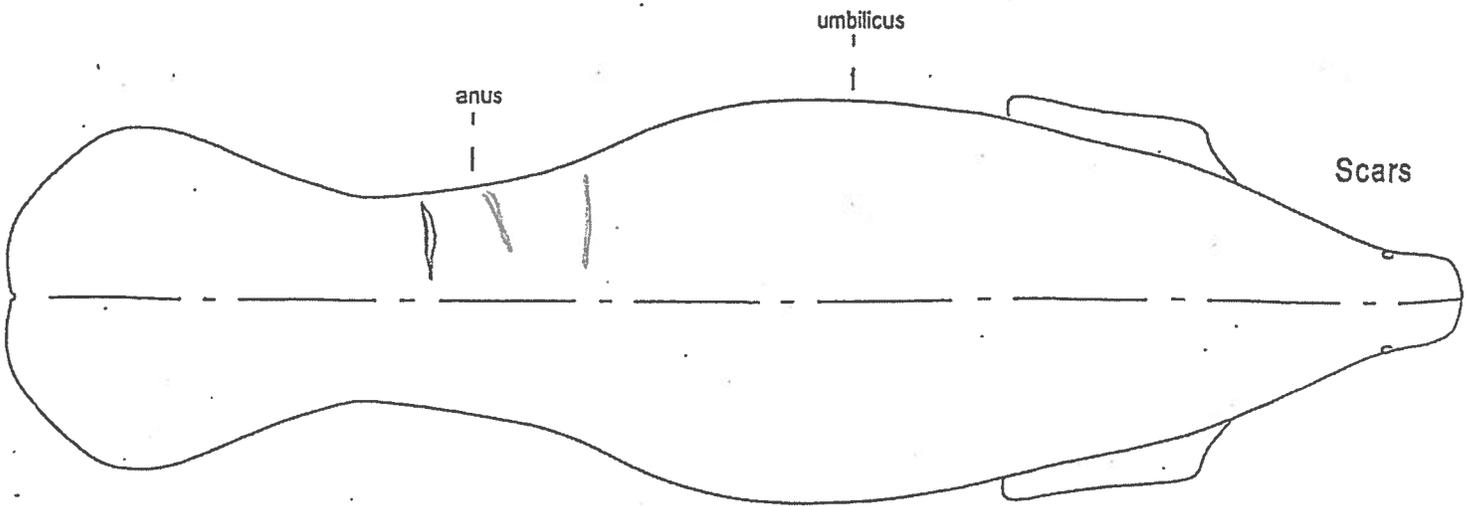
Date 12/19/2017

SWF
Field I.D. TM1716B

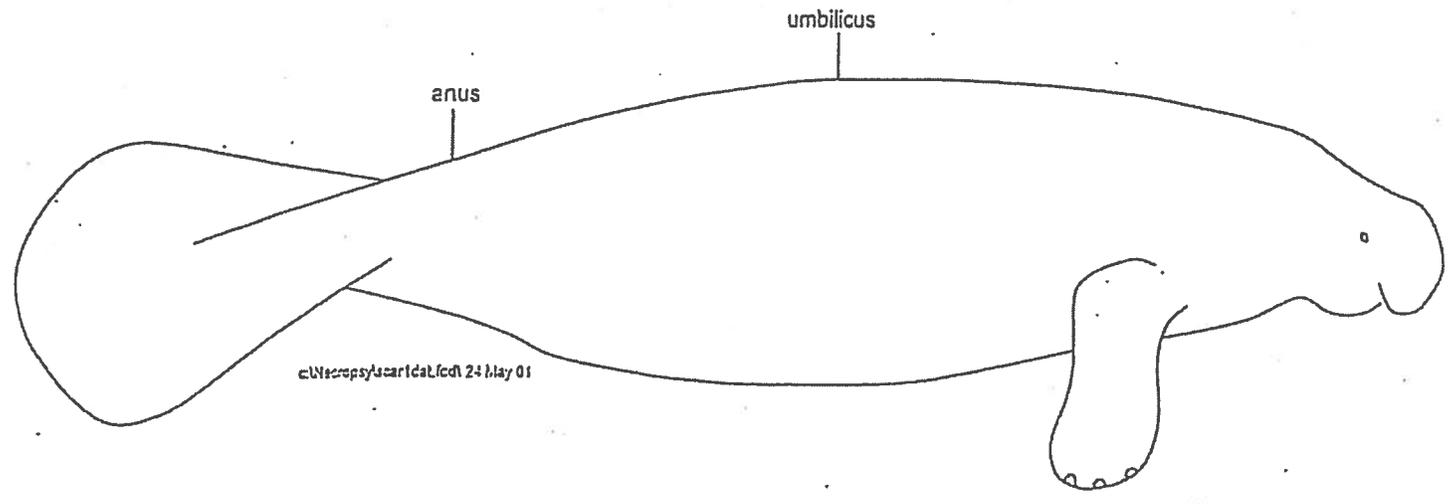
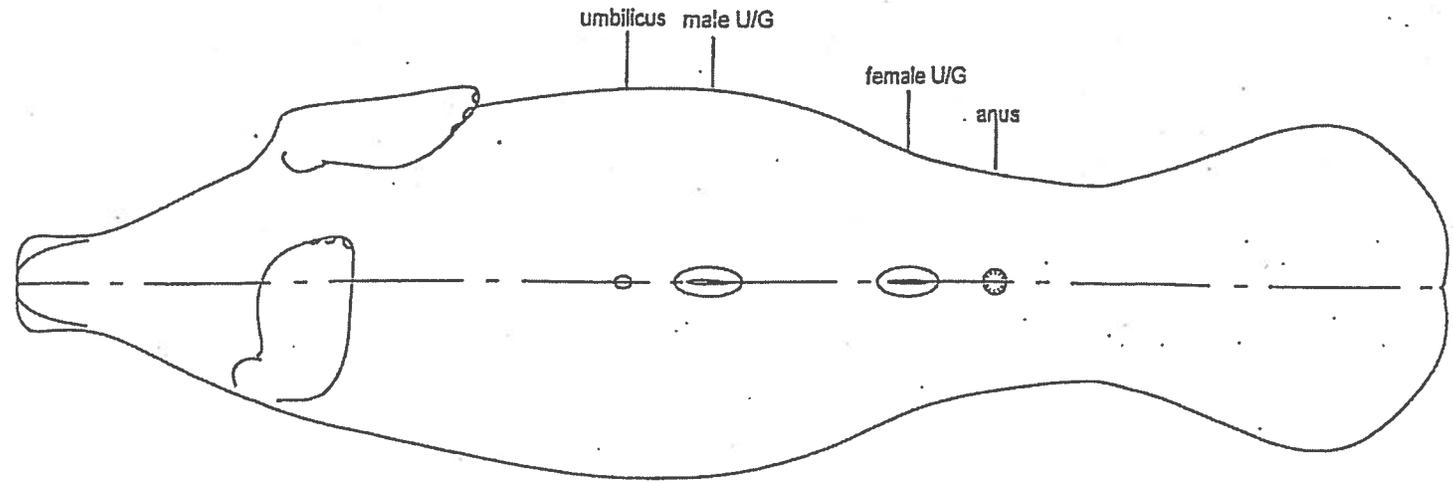
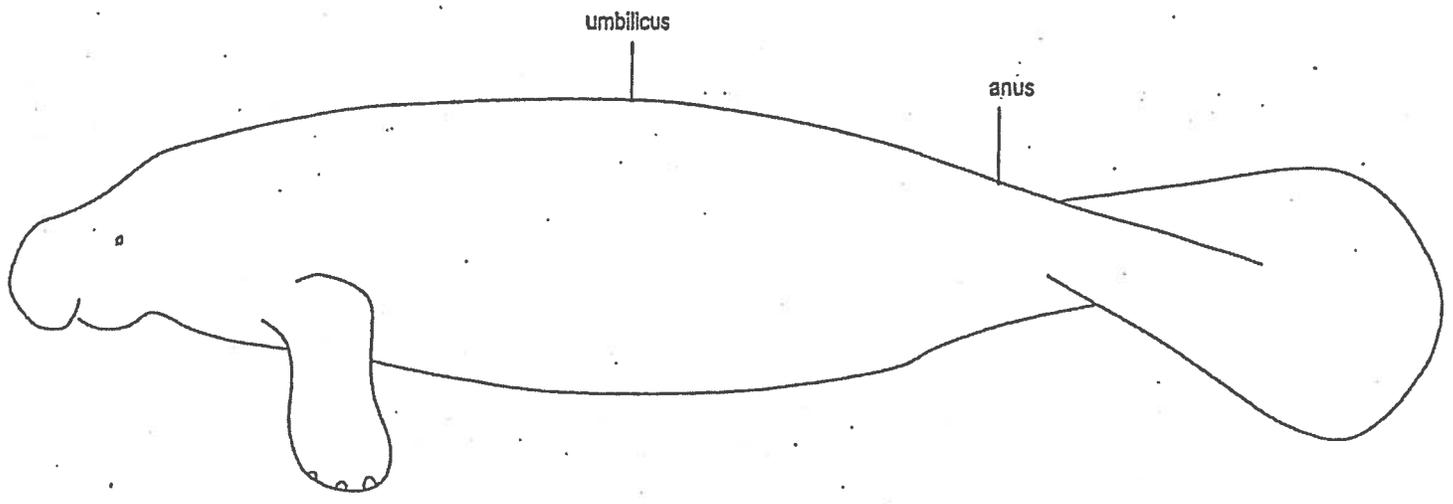
ci D-Old \ Necropsy \ scur \ dal \ 30May01



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



SWF
FIELD I.D. TM1716B



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

Caught

(727) 896-8626

Manatee ID: SWFTm 1716B Temporary ID: _____ Time Net Set: 1200
 Name: Laguna Sex: M / (F) Time Captured(Onboard): _____
 ID of its Calf / Mom: _____ Latitude: _____ N Time Released: _____
 Location: _____ Longitude: _____ W Data Recorder: _____
 Event: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Air Temp = _____ C F Water Temp = _____ C F Wind: _____ mph Cloud Cover: S PC MC O R

| | | | |
|----------------------|-----------------------------------|-------------------------------------|------------------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>1025 #</u> | Manatee + stretcher <u>709711 #</u> | Stretcher weight <u>86 #</u> |
| Lengths | Total Length (curvilinear) (cm) | | |
| | Total Length (straight) | <u>244</u> | |
| | Snout to Peduncle | | |
| | Snout to Anus | | |
| | Snout to Umbilicus | | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: _____ cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | | |
| | Girth at Umbilicus: actual or 1/2 | | |
| | Girth at Axilla: actual or 1/2 | | |

| | | | | |
|------------------------------|--------------------|-----------|----------|----------|
| ULTRASOUND | Reader Name: _____ | | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | | |
|--------------------------------|---|--|
| CONDITION | Body Score: 1 2 3 4 5 | |
| | Poor Fair Good Very Good Excellent / Undetermined | |
| | Peanut shaped head? Y / N | Ribs visible? Y / N |
| | Side between anus & peduncle: | Rounded / Flat / Concave |
| | Ventrum: | Rounded / Flat / Concave / Ventral Folds |
| | Fresh Wounds or Lesions: | Y / N (describe in comments) |
| Person(s) assessing condition: | | |

| | |
|-----------------------|--|
| REPROD. STATUS | Pregnant? Y / N If so, describe: _____ |
| | Lactating? Y / N |

| | | |
|----------------|--------------------------------------|----------------------------|
| SAMPLES | Milk sample collected? stored? Y / N | Refrig / Freeze |
| | Volume of milk collected? / Teat? | ml / right left both |
| | Person collecting milk? | |
| | Urine? stored? Y / N | Refrig / Freeze |
| | Fecal? stored? Y / N | Freeze / 5% NBF / 70% ETOH |
| | Skin? stored? Y / N | Refrig / Freeze / DMSO |
| | Cookie? Y / N | Location: _____ |

| | | |
|-------------------|---|------------------|
| MONITORING | Heartrate: Stethoscope EKG Pulse-Oximeter None | Data Sheets? Y N |
| | Temperature: <u>(Oral)</u> Naso-pharyngeal Rectal None <u>94°</u> | Y N |

*1200-1225
3 breaths*

11... + P.L. 111

Manatee ID SNFTm.1716B

Manatee Name: Laguna

Date: 29 Nov 2017

| | | | | |
|---------------------|-------------------------------|---------------------------------------|--|------------------|
| FREEZE BRAND | Letters/Numbers applied: | Applied by: | | |
| | Location: | | | |
| BLOOD | Stick # | Start Time | End Time | Flipper |
| | 1 | | | L / R |
| | 2 | | | L / R |
| | 3 | | | L / R |
| | Drawn by: | | | |
| | # Tubes of Blood Collected | Blue: | Red: <u>4</u> | Purple: <u>2</u> |
| | <u>1243</u> <u>1/29/17</u> | Green: | Yellow: | Other: |
| PIT TAG | Scanned for previous PIT tag? | <u>Y / (N)</u> | PIT tagged at this capture? <u>Y / N</u> | |
| | PIT tagged by: | | | |
| | Right # | - - - - - | | |
| | Left # | - - - - - | | |
| FLAG | Color and Symbol | | | |
| TELEMETRY | TAG Type | Argos-GPS / Lotek-GPS / PTT / VHF | | |
| | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | BELT Number / Belt Color | FWC _____ Length: _____" Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: | | |
| | DATA LOGGERS | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | Star-Oddi |
| | Logger ID Number | | | |
| | Logger Location | | | |
| | TETHER Strength / Length | Strength: | Length: | ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | | | |
| | Exposures: | | | |
| SKETCHES | Sketched by: | | | |

Comments

Bone Fragments collected 1225 (head)
 Right Pectoral Bone Fragment collected 1310
 Culture from Right pectoral fin after Bone
 fragment removed 1312

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWTm17166/BEC1715

Capture ID: _____

Data Recorder: FAMILY HOSEMAN

Name: "LaOONNA"

Date: 11 JULY 2010

FWC INTERVIEW

ID of its Calf / Mom: _____

Sex: M / (F)

TIMES

CAPTURE

Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE

Location: Rt 900 Belle Plaine
 Latitude: 28.89352 N
 Longitude: -80.85183 W
 Water Temp: 30 (C) F

Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1111

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 3 C F Wind: 1.0 mph SE Cloud Cover: (S) PC MC O R

| | | | |
|----------------------|-------------------------------------|-------------------------------|--------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>338 kg</u> | Manatee + stretcher | Stretcher weight |
| Lengths | Total Length (curvilinear) (cm) | <u>NOT TAKEN</u> | |
| | Total Length (straight) | <u>238</u> | |
| | Snout to Peduncle | <u>168</u> | |
| | Snout to Anus | <u>154</u> | |
| | Snout to Umbilicus | <u>83</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>105</u> cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | <u>164</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>186</u> | |
| | Girth at Axilla: actual or 1/2 | <u>158</u> | |

| | | | | |
|------------------------------|---------------|--------------------|----------|----------|
| ULTRASOUND | | Reader Name: _____ | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: _____ | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | |
|------------------------------------|---|
| CONDITION | Body Score: 1 2 <u>(3)</u> 4 5 |
| Health Concerns? | <u>Y / (N)</u> (If yes, describe in comments) |
| Peanut shaped head? <u>Y / (N)</u> | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | <u>Rounded / (Flat) / Concave</u> |
| Ventrum: | <u>Rounded / (Flat) / Concave / Ventral Folds</u> |
| Fresh Wounds or Lesions: | <u>Y / (N)</u> (If yes, describe in comments) |
| Person(s) assessing condition: | <u>WILLIAM D. GAZER</u> |
| Clinical Assessment Data Sheet? | <u>Y / (N)</u> |

| | |
|-----------------------|--|
| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: _____ |
| | Lactating? <u>Y / (N)</u> |

| | |
|-------------------|---|
| MONITORING | Heartrate: <u>(Stethoscope)</u> EKG Doppler None Data Sheets? <u>Y (N)</u> |
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> <u>Y (N)</u> |
| | Respiratory Rate? <u>Y (N)</u> <u>Y (N)</u> |

| | |
|---------------------|--|
| FREEZE BRAND | Letters/Numbers applied: _____ Applied by: _____ |
| | Location(s): _____ |

Manatee ID: SWF 17166/REC1715 Capture ID

Date: 11 July 2018

| | | | | |
|--|---|---|-------------|----------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: _____ ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <u>Y / N</u> | PIT tagged at this capture? <u>Y / N</u> | | |
| | PIT tagged by: | <u>SWF - JON PETERSON</u> | | |
| | Right # | <u>Ø Ø - Ø 7 B 8 - D E B 5 P 1</u> | | |
| | Left # | <u>Ø Ø - Ø 7 B 8 - E 2 A 8 Cap</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | <u>Y / N</u> Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M. WAPPES</u> | | |
| | Exposures: | <u>FWL025-2018-07-11-2651 THROUGH 2672</u> | | |
| SKETCHES | Sketched by: | <u>EMILY HOSHAW (FWC INTERN)</u> | | |
| COMMENTS | | | | |
| <u>PIT TAGS APPLIED JUST PRIOR TO RELEASE</u> | | | | |
| <u>ENVIRONMENTAL DATA COLLECTED AT THIS HRS.</u> | | | | |

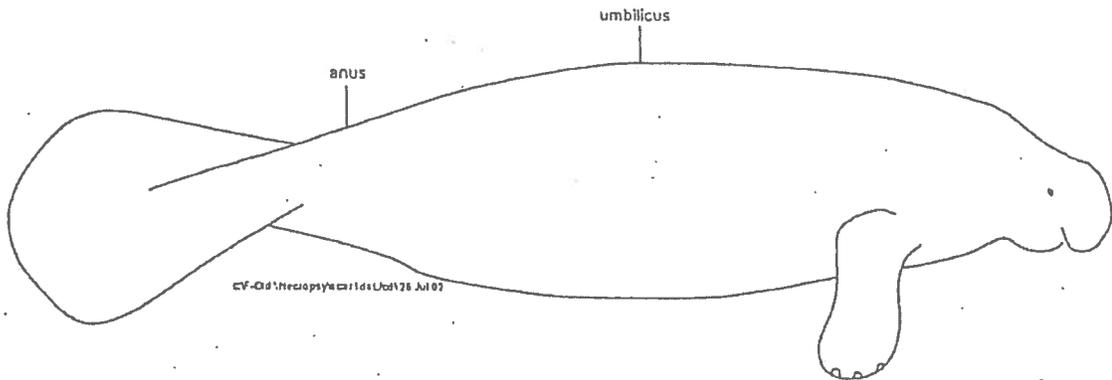
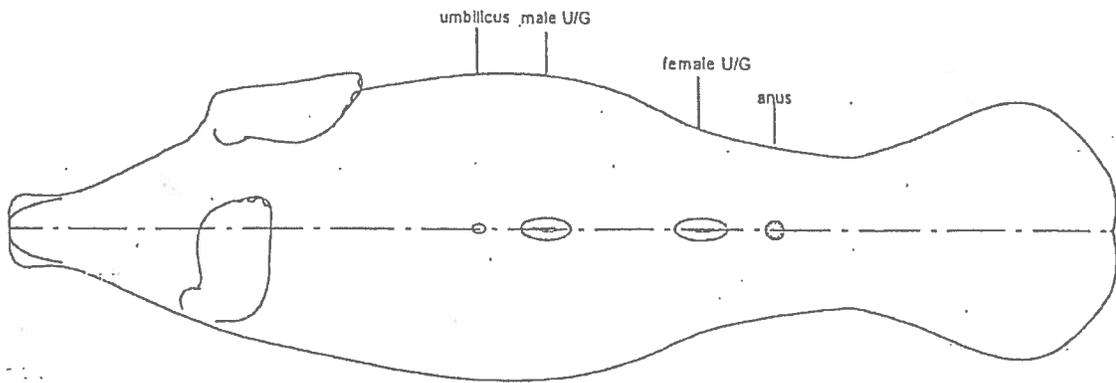
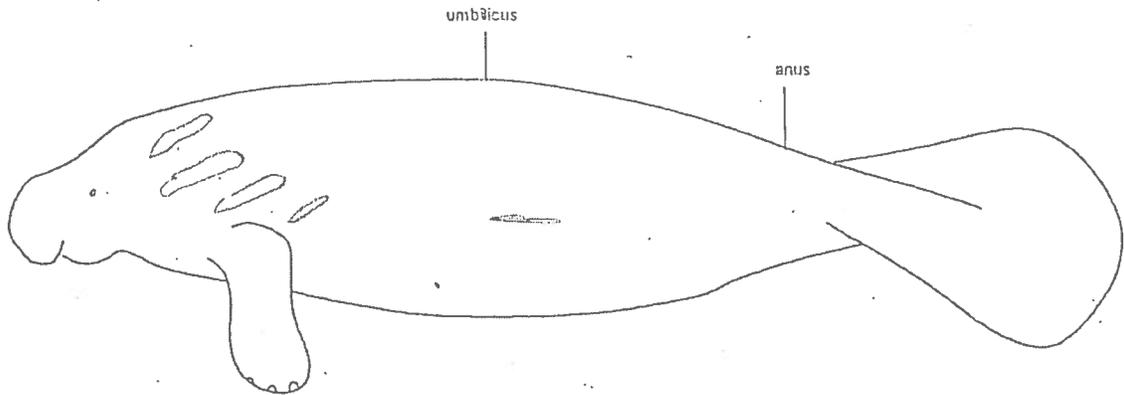
FIELD I.D.

SWFTM 1716b

REC 1715

"LACONIA"

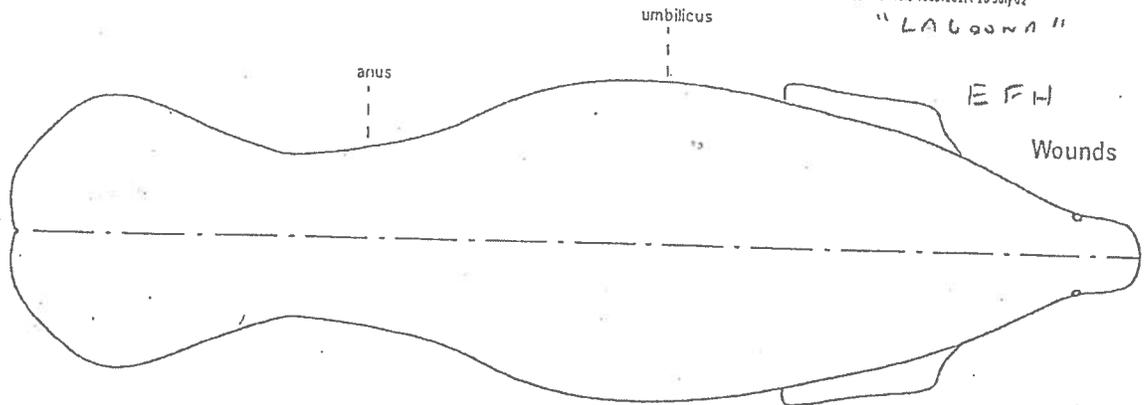
E F H



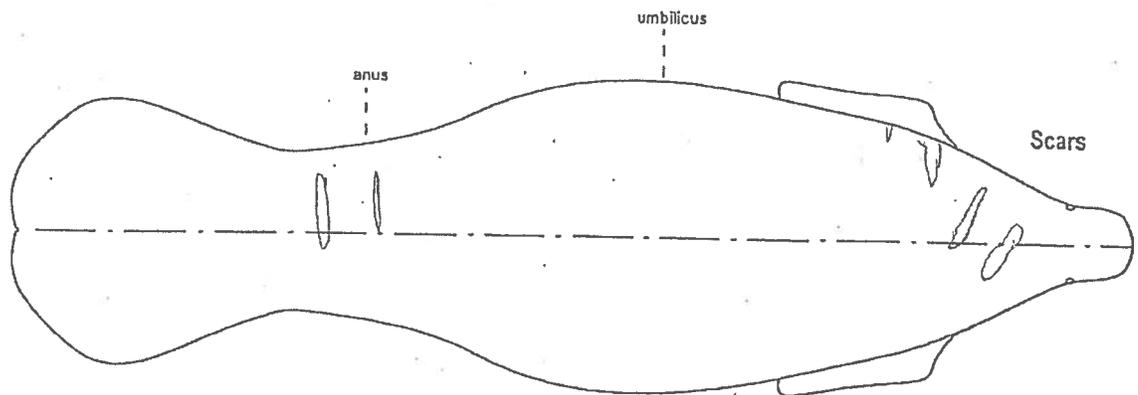
Date 11 July 2018

Field I.D. SNFTM1716b.

REC1715
cf Manuals Localized 26 July 02
"LABORNA"



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



Resc / Dth
6/11/17 1/22/18

Rescue Report

REC1716

Entanglement
Crab Trap

GENERAL

Date of Rescue: 11 June 2017 Date of Initial Call: 28 May 2017 Filed by: W. Greer

Rescue ID: REC1716 Facility ID: SWFTM1717B Other ID: Peggy

FWC Case Number: 7064, 7201, 7255, 7363, 7427, 7440, 7446, 7473, 7515, 7547, 7578, 7579, 7588, 7799 FWC Region: NE

Sex: Female Length: 283 cm Estimated: No Weight: 395 kg Estimated: No

PIT Tag Present: No PIT Tag Applied: No R: L:

State: Florida County: Brevard City: Cocoa Beach Waterway: Banana River

Latitude (Decimal Degrees): 28.33755° N Longitude (Decimal Degrees): -080.61271° W

Locality Description: Approximately 35 m S of 152 Bahama Blvd

Method of Capture or Assistance: Boat Based: Net Set (Other: _____)

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)

Cold Stress Red Tide Tidally Stranded

Orphan Other: (Specify): _____

Entanglement

Gear Type: (Check all that apply)

Monofilament Line Polyprop/Nylon Line

Hook Buoy

Sinker Trap

Net Other (Specify) _____

Location of Entanglement: Around left pectoral flipper

If Crab Pot:

Float#: V117 Color: White Line Type: Nylon Line

Damage from Gear:

No Damage Abrasions

Breaking Skin Surface Depth of Entanglement Penetration: Unknown

Comments: Left flipper had nylon rope almost down to radius and ulna, all tissue seen was white/yellow and necrotic. There were also slight abrasions at axilla near the left and right flipper.

Gear Retained? Yes No

Rescue Report

REC1716

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-05-31_1177 through 1205; FWC025_2017-06-11_1263 through 1283; FWC025_2017-06-12_1284-1289 | |

HISTORY

| Date | Narrative |
|--------------------|--|
| 28 May 2017 | At 1258 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding a manatee entangled in a crab trap line in the Banana River in Merritt Island, Brevard County. FWC case number 7064 was assigned. The complainant, Kathy Ojeda (321-452-2610), stated there was a five foot manatee with a foam crab trap buoy on its tail. SMW and FWC intern-Jesse L. Kessler (JLK) went to the site and noted that the white buoy read "V117" in blue lettering and was attached to the manatee by a red line. Photos were collected, and the complainant was advised to call back if it was seen again. |
| 29 May | At 1020 hrs, SMW received a text from Kathy Ojeda regarding the same manatee. SMW and FWC volunteer-Joe Wolf were en route to check on the manatee when they had to go to a rescue for a more critical case. The complainant was advised to continue monitoring. |
| 30 May | At 0836 hrs, FWC biologist-William D. Greer (WDG) received a text alert from Dispatch regarding an entangled manatee off the Minuteman Causeway in Cocoa Beach, Brevard County. FWC case number 7201 was assigned. The complainant, Teresa Blair (321-213-3487), stated that the buoy was blue and white, but she did not have a photo. Since the location was on the opposite side of the river relative to previous reports, it was initially unknown if this was the entangled manatee reported the previous two days. A response was not initiated pending verification. |
| 31 May | At 1019 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from Dispatch regarding a manatee with a crab trap buoy behind 1174 Samar Rd. in Cocoa Beach, Brevard County. FWC case number 7255 was assigned. The complainant, Ellen Nolan (321-505-3385), stated that the manatee was adult sized and sent DEC a photo at 1030 hrs. At 1217 hrs, DEC and SMW met FWC volunteer-Tonya Morgan and launched the Key West behind Cocoa Beach |

Rescue Report

REC1716

| | |
|----------------|--|
| | <p>Health and Fitness. Photos were collected. DEC and SMW established that the flipper was swollen and pale from the entanglement. SMW called Sea World Florida (SWF)-Jon Peterson (JP) to request capture assistance, but the team was unavailable. The complainant was advised to call if the manatee was seen again.</p> |
| 02 June | <p>WDG received a text alert from Dispatch regarding the same manatee behind 240 Bahama Blvd. in Cocoa Beach, Brevard County. FWC case number 7363 was assigned. The complainant, Joelle Harris (321-474-4860), stated that she saw the manatee and crab trap buoy the night before and did not have photos.</p> |
| 03 June | <p>DEC received three text alerts from Dispatch regarding the same manatee in the canal between Samar Rd. and Trinidad Rd. in Cocoa Beach, Brevard County. FWC case numbers 7427, 7440, and 7446 were assigned. The complainants stated that there was a crab trap attached to the manatee and there was another manatee with it. DEC contacted SWF-Lorri Braso (LB) to request SWF capture assistance, but the crew was unavailable. DEC advised the complainants to keep an eye out over the next few days for the manatee.</p> |
| 04 June | <p>At 0715 hrs, FWC on-call biologist-Amber R. Howell (ARH) received a text alert from FWC NE Dispatch-Orlando regarding the same manatee. FWC case numbers from the previous day were referenced. The complainant, Patricia Walker (321-783-1633), stated that she also called the previous day and that the manatee was still behind her residence. At 0809 hrs, SMW received a text alert from Dispatch regarding the same manatee. FWC case number 7473 was assigned. The complainant, Janet Hunt (321-693-5090), stated that she called the previous day and the manatee was still there. SMW and JLK arrived and called LB for assistance with rescue, but SWF was unable to provide a rescue team. SMW called SEFL and FWC Rescue Coordinator-Andrew J. Garrett (AJG) for assistance with the rescue, and AJG advised to wait for another day.</p> |
| 05 June | <p>At 0805 hrs, WDG received a text alert from Dispatch regarding the same manatee. FWC case number 7515 was assigned. The complainant, Janet Hunt, stated that the manatee was still behind her home. WDG called LB for assistance with rescue. LB was able to send the capture boat and a crew of three people. SWF and ECFL made one boat-based net set attempt in deep water, but the manatee got out of net. The rescue crew was unable to relocate the manatee before inclement weather arrived. At 1644 hrs, WDG received a text alert from Dispatch regarding an entangled manatee in the Banana River near Cocoa Beach, Brevard County. FWC case number 7547 was assigned. The complainant, John Morris (812-746-9728), described the same manatee with a crab trap entanglement. Due to the lateness of the day, WDG advised the complainant to keep an eye out for the manatee.</p> |
| 06 June | <p>WDG, SMW, and JLK received three text alerts regarding the same manatee in Cocoa Beach, Brevard County. FWC case numbers 7578, 7579, and 7588 were</p> |

assigned. The complainants stated that the manatee was entangled in a crab trap, rope, and buoy. Due to inclement weather, a rescue was not attempted.

10 June

DEC received a text alert from Dispatch regarding an entangled manatee behind 111 Antigua Dr. in Cocoa Beach, Brevard County. FWC case number 7799 was assigned. The complainant, Angela Warro (231-783-6539), stated that the manatee was large and had a white buoy attached to it. DEC called LB to request capture assistance but they did not have enough people for a rescue team. DEC contacted SEFL and NEFL to request capture assistance. Both labs agreed to be on standby for the next couple days. DEC checked on the manatee to see if its condition had worsened. After snorkeling with the animal, DEC concluded that the flipper felt fleshy and necrotic, but was unable to get a visual due to murky water. DEC confirmed with LB that SWF had space if the animal needed to be brought into rehab, but only if it was a female. DEC confirmed with Lowry Park Zoo (LPZ)-Dr. Ray Ball that they would take the animal if it was a male. The complainant was asked to keep an eye out for the animal over the next few days.

11 June

At 0915 hrs, SMW called the complainant from the previous day to determine if the manatee was still behind the residence. The complainant had not seen it since last night. At 1033 hrs, SMW received a phone call from the complainant stating that the manatee was back in the canal. SMW contacted NEFL for assistance with rescue, SWF to confirm they had space for a female, and LPZ to confirm they had space for a male. At 1440 hrs, NEFL arrived at the Kelly Park boat ramp and launched the capture boat. Using a boat-based net set, the animal was pulled onboard at 1710 hrs. The manatee was transported to the boat ramp and loaded into the ECFL's transport truck by 1820 hrs. Since the manatee was a female, WDG, SMW, JLK and C. Berchem transported it to SWF, arriving by 1925 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Sara M. Wappes

FWC NE: Nadia J. Gordon, Allison K. Perna

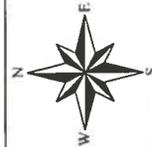
FWC Intern: Jesse L. Kessler

FWC Volunteer: Zach Johnson, Gisele Nieman, Daniel Lomas, James Harvey, Cora Berchem

Edited by:

DJS
AJG
GLL

(Rev: 01/20/2017)

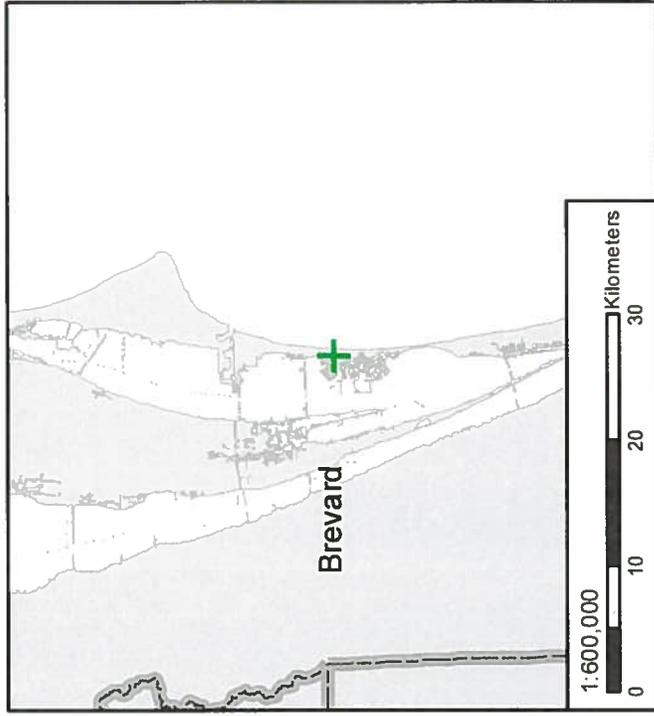
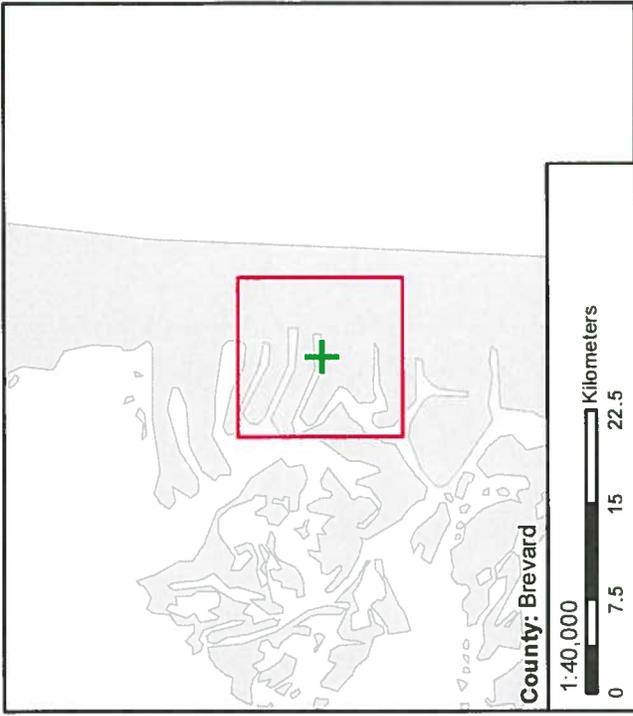


Verified Response Location of Manatee Rescue REC1716

Rescue Date: 6/11/2017

Facility ID: SWFTm1717b

Map Created 11/27/2017



Locality Description:
approximately 35 m S of 152 Bahama Blvd.

Latitude: 28.33755°N

Longitude: -80.61271°W

Szemer, Donna

From: Garrett, Andy
Sent: Monday, June 12, 2017 8:26 AM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carolyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Bukowski, Lucy; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update
Attachments: IMG_0765 (1024x768).jpg; IMG_0766 (1024x768).jpg

Cocoa Beach:

Yesterday afternoon, the FWC responded to the crab trap entangled manatee in Cocoa Beach that a rescue team tried to capture a few days earlier. The adult female manatee was captured and due to the severity of the entanglement (see attached photos), the manatee was transported to Sea World.

-Andy



IMG_0765(1024x768).jpg



IMG_0766(1024x768).jpg

Resc / Dth
6/16/17 6/16/17

Rescue Report

REC1717

Calf by itself

GENERAL

| | | | | |
|--|------------------------------------|---|------------------------|---------------|
| Date of Rescue: 16 June 2017 | Date of Initial Call: 16 June 2017 | Filed by: W. Greer | | |
| Rescue ID: REC1717 | Facility ID: SWFTM1718b | Other ID: | | |
| FWC Case Number: 8099 | FWC Region: NE | | | |
| Sex: Male | Length: 96 cm | Estimated: No | Weight: 16 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: Florida | County: Brevard | City: Merritt Island | Waterway: Indian River | |
| Latitude (Decimal Degrees): 28.405110° N | | Longitude (Decimal Degrees): -080.724560° W | | |
| Locality Description: Approximately 635 m WSW of 2930 Maritime Lane | | | | |
| Method of Capture or Assistance: Land Based: Hoop Net (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

- | | | |
|--|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input checked="" type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: Emaciated, peanut-shaped head, numerous lesions, too small to be away from mother

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-06-16_1392 through 1400 | |

HISTORY

| Date | Narrative |
|--------------|--|
| 16 June 2017 | At 1236 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding a newborn manatee in distress in the Indian River in Merritt Island, Brevard County. FWC case number 8099 was assigned. The complainants, Mr. Deming (321-208-2371), Lori (321-266-2594) and Dana (321-652-7907), stated the manatee was alone, about 2 feet long and |

was struggling to breathe. At 1304 hrs, FWC biologist-William D. Greer (WDG) contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of a potential orphan. At 1316 hrs, DEC received a photo from Dana confirming a small manatee by itself. At 1322 hrs, WDG contacted Sea World Florida (SWF)-Jon Peterson (JP) to confirm SWF could receive the manatee if it was rescued. At 1405 hrs, DEC, WDG and FWC volunteer-Daniel Lomas (DL) arrived at Lee Wenner Park and launched the ECFL Key West. At 1438 hrs, they located the manatee and WDG contacted AJG with an update. At 1446 hrs, DEC and DL captured the manatee with a hoop net in shallow water and transported it to the ECFL Key West where it was placed in a trough filled with water. At 1635 hrs, the rescue team arrived at SWF where the manatee was transferred into a rehabilitation pool. At approximately 2345 hrs, JP reported that the manatee had died.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter

FWC volunteer: Daniel Lomas

Edited by:

DJS
AJG
GLL

(Rev: 01/20/2017)

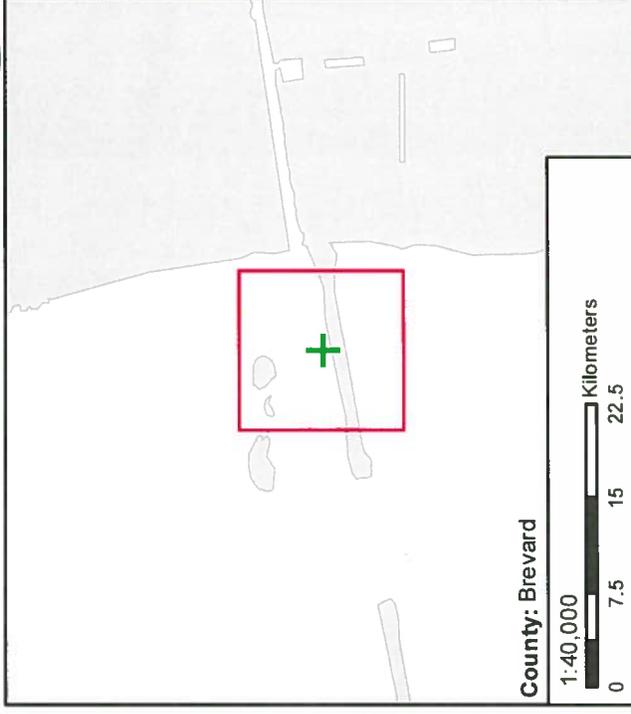


Verified Response Location of Manatee Rescue REC1717

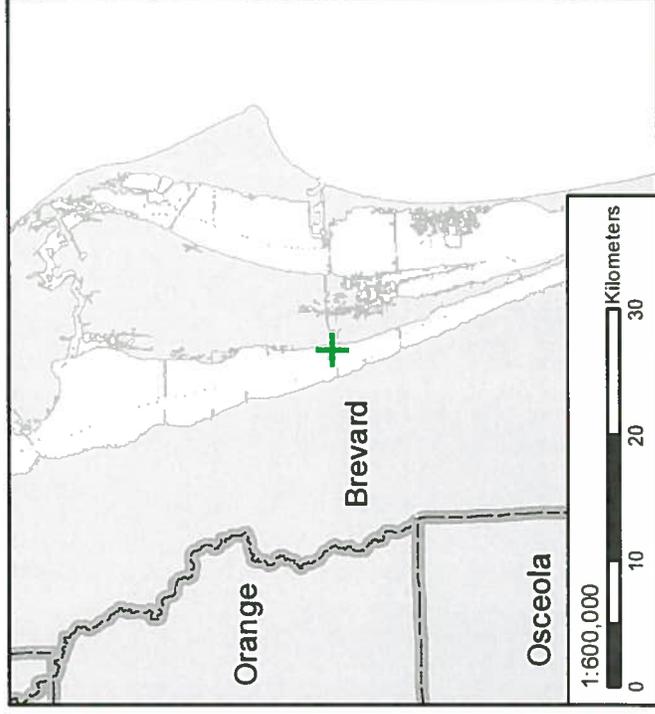
Rescue Date: 6/16/2017

Facility ID: SWFTm1718b

Map Created 11/27/2017



County: Brevard



Locality Description:
approximately 635 m WSW of 2930 Maritime Lane

Latitude: 28.40511°N

Longitude: -80.72456°W

From: Garrett, Andy
Sent: Friday, June 16, 2017 4:44 PM
To: (Group)
Subject: RE: rescue update

REC1717
SWFTM1718B

The Cape Canaveral calf was a 96 cm male and weighed in at 35 lbs.

From: Garrett, Andy
Sent: Friday, June 16, 2017 3:11 PM
To: (Group)
Subject: rescue update
(Attached Photos)

Cape Canaveral:

Staff from the FWC-ECFL responded to a report of an orphaned 4 ft calf in Cape Canaveral. The manatee was reported by three different individuals as alone and floating high in the water. ECFL staff responded by boat and located the manatee in shallow water. The manatee was captured (see attached photo IMG 0772) and is being transported to Sea World.



2017061695131617951497633378261.jpg

SWFTM17186R EC1717



IMG_0772.jpg

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: SWFTm1718b
Date of Report: 2017-Jun-17
Filed By: FWC MMPL

FWC Case # 8099 FWC Region: NE
Sex: Male Length: 98 cm Weight: 16.0 kg

DATE REPORTED: 2017-Jun-17 By: SeaWorld Orlando to FWC-WDG

DATE COLLECTED: 2017-Jun-17 By: FWC-WDG,DEC

DATE NECROPSIED: By:

LOCATION: State: FL Latitude: 28.40511 N
County: Brevard Longitude: -80.72456 W
Waterway: Indian River

Locality description: Merritt Island, approximately 635 m WSW of 2930 Maritime Lane.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Perinatal (<= 150 cm)

EXPLAIN: Undetermined: Other; Emaciated; Skin lesions; Fetal folds; Frozen pending future necropsy.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial.

MATERIALS COLLECTED:

Genetics.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Rescue report.

REMARKS:

PIT tag scan negative. Died on 16 Jun 2017. Died at 2345 hrs. Died in facility. See rescue report REC1717, rescued on 16 June 2017.

| | |
|-----------------|-------------|
| Page 1&2 | 04 Jan 2019 |
| Necropsy Report | 04 Jan 2019 |
| Lat/Long | 04 Jan 2019 |

Field ID #: SWFTm1718b

MORPHOMETRICS:

| | | | | | |
|---------------------|--------|----------------------|-------|-------------------|-------|
| Total length: | 98 cm | Fluke base: | 31 cm | Girth at axillae: | 58 cm |
| Snout to anus: | 64 cm | Fluke width: | 26 cm | | |
| Snout to U/G: | 44 cm | Girth at fluke base: | 35 cm | | |
| Snout to umbilicus: | 39 cm | Girth at anus: | 40 cm | | |
| Flipper width: | 6.6 cm | Girth at umbilicus: | 65 cm | Nail count: R: 3 | L: 3 |

| | | | | |
|--------------------------|----------------|----------------|--------------------------|----|
| | Ventral | Lateral | | |
| Skin Thickness: | cm | cm | | |
| Outer Blubber Thickness: | cm | cm | Abdominal Fat Thickness: | cm |
| Inner Blubber Thickness: | cm | cm | Epidermis Thickness: | cm |

| | | |
|-------------------|----------------------------------|----|
| Perinatal: | Ductus Arteriosus Diameter: | cm |
| | Left Pulmonary Artery Diameter: | cm |
| | Right Pulmonary Artery Diameter: | cm |

| | | |
|---------------------------------------|---------------------------|-------------------|
| Uterine Scarring Measurements: | | |
| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
| Right | | |
| Right | | |
| Left | | |
| Left | | |

| |
|---------------------------|
| Male Reproductive: |
|---------------------------|

| |
|-------------------------------|
| Fetus 1: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

| | | |
|----------------------------------|----------------------|--------------|
| Brevetoxin Results: | | |
| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

| |
|-------------------------------|
| Fetus 2: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

Rescue Report

REC1718

Resc/Rel
8/11/17 8/28/17

Watercraft

GENERAL

| | | | | |
|---|------------------------------------|--|------------------------|---------------|
| Date of Rescue: 11 July 2017 | Date of Initial Call: 05 July 2017 | Filed by: S. Wappes | | |
| Rescue ID: REC1718 | Facility ID: SWFTm1719b | Other ID: "Buoy", REC1125, MSTm1110 | | |
| FWC Case Number: 9035, 9065, 9214, 9370 | FWC Region: NE | | | |
| Sex: Male | Length: 278 cm | Estimated: No | Weight: 350 kg | Estimated: No |
| PIT Tag Present: Yes | PIT Tag Applied: No | R: 00-06F2-6546 | L: 00-0695-8753 | |
| State: Florida | County: Indian River | City: Vero Beach | Waterway: Indian River | |
| Latitude (Decimal Degrees): 27.574960° N | | Longitude (Decimal Degrees): -80.333610° W | | |
| Locality Description: approximately 60 m WNW of 2101 Seminole Shores Ln | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: Positively buoyant, fresh wound

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC020_2017-07-11_8125 through 8138 | |

Rescue Report

REC1718

HISTORY

| Date | Narrative |
|---------------------|--|
| 05 July 2017 | At 0637 hrs, FWC on-call biologist-Nadia J. Gordon (NJG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee near the Port St. John boat ramp in Indian River in Port St. John, Brevard County. FWC case number 9035 was assigned. The complainant, Christa Hathaway (321-458-2151), stated that the manatee was swimming at the surface of the water and not submerging. The complainant took photos as the manatee was swimming away and sent them to NJG. Information was forwarded to ECFL staff. At 1436 hrs, FWC biologist-William D. Greer (WDG) received a text alert from Dispatch regarding an injured manatee near Dixon Blvd. in the Indian River in Cocoa, Brevard County. FWC case number 9065 was assigned. The complainant, Melinda (407-616-1233), stated that the manatee was struggling to swim and sent a video to WDG. The animal was heading south and swimming rapidly. ECFL staff were in another county recovering a carcass and could not respond. |
| 08 July | At 1206 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee at the Dale Wimbrow boat ramp in the Sebastian River in Sebastian, Indian River County. FWC case number 9214 was assigned. The complainant, Scott Smart (772-646-3326), stated that the manatee was floating high and popped up like a cork when it submerged. DEC contacted FWC biologist-Amber R. Howell (ARH) and requested assistance with a rescue. DEC called FWC rescue coordinator-Andrew J. Garrett (AJG) and Sea World Florida (SWF) -Jon Peterson (JP) to see if SWF had room for the manatee. JP said they had space and could send staff to assist with a rescue if needed. At 1320 hrs, DEC arrived at the boat ramp and launched a kayak. After searching for thirty minutes, DEC encountered a family on a boat that reported seeing the manatee farther north in the river. The citizens showed DEC a video. DEC requested FWC LE assistance and FWC Lt. Dustin Lightsey was dispatched. At 1520 hrs, DEC and Lt. Lightsey met at the US 1 bridge and searched the river by boat. At 1539 hrs, DEC located the manatee and collected photos and videos as it was too late in the day for a rescue. DEC forwarded the photos to AJG, JP, ARH, and WDG. Based on photos, it was confirmed that it was the same manatee from previous calls. |
| 11 July | At 0940 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee at Round Island State Park in the Indian River in Vero Beach, Indian River County. FWC case number 9370 was assigned. The complainant, Wes Henstead (305-322-6322), stated that the manatee was possibly struck by a boat. SMW received photos at 1031 hrs, verifying that it was the same animal. SMW called AJG and JP to inform them that the manatee was sighted and called ARH to see if SEFL staff could bring their boat for a rescue. ARH agreed. At 1120 hrs, SMW and FWC volunteer-Joe Wolf (JW) arrived at the site and located the manatee by kayak. SEFL arrived at 1245 hrs and launched the boat from Round Island boat ramp. ECFL, SEFL, and members from Harbor Branch Oceanographic Institute |

encircled the manatee with the net twice but it escaped under the lead lines each time. The manatee was successfully captured at 1455 hrs using a boat-based net set and loaded into the transport truck at 1615 hrs. SMW and JW transported the manatee to SWF, arriving at 1835 hrs.

PARTICIPANTS

FWC SE: Amber R. Howell, Aarin C. Allen

FWC EC: Sara M. Wappes

FWC volunteer: Joe Wolf, Laurie Aleixo, Kelly McCorry

Harbor Branch staff: Steve Burton

Harbor Branch volunteers

Edited by:

DJS

AJG

GLL

(Rev: 01/20/2017)

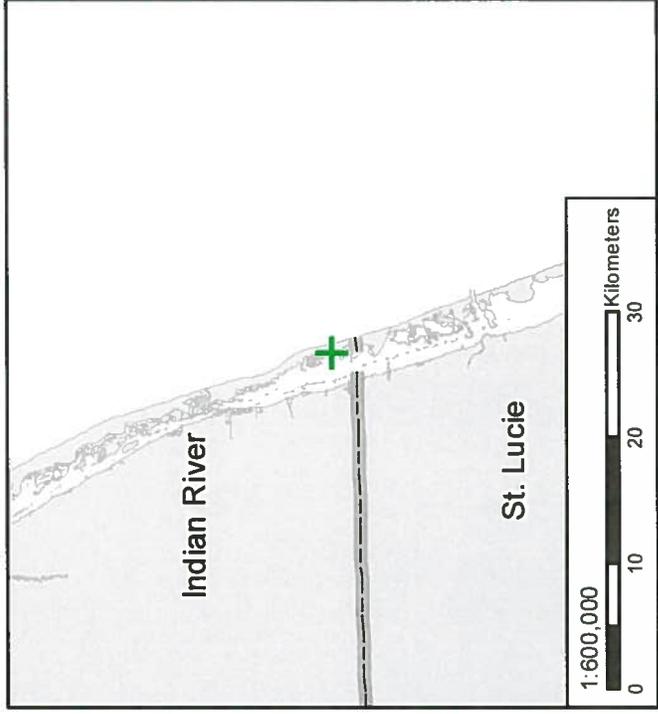


Verified Response Location of Manatee Rescue REC1718

Rescue Date: 7/11/2017

Facility ID: SWFTm1719b

Map Created 11/27/2017



Locality Description:
approximately 60 m WNW of 2101 Seminole Shores Ln

Latitude: 27.57496°N

Longitude: -80.33361°W

From: Garrett, Andy
Sent: Tuesday, July 11, 2017 4:16 PM
To: (Group)
Subject: RE: rescue update

REC1718 / SWF17198

This manatee was PIT tag positive (microchips): Buoy (REC1125; MSTm1110) rescued in Vero Beach July 22, 2011 for watercraft injuries and rehabbed at Miami Seaquarium.

From: Garrett, Andy
Sent: Tuesday, July 11, 2017 3:16 PM
To: (Group)
Subject: rescue update

Vero Beach:

Over the past week, FWC-ECFL staff have been receiving reports of an excessively buoyant manatee travelling south in the Indian River Lagoon. The first report was last Wednesday near Cocoa last week. The manatee has been very active, and those calling in the sightings have lost visual contact with the manatee within a few minutes of calling the FWC hotline, making it difficult to organize a rescue. Attached is a video of the manatee from a caller, and below is a photo.



The manatee was reported this morning, and a rescue team (FWC-ECFL, FWC-SWFL, HUBBs, and Harbor Branch) responded this afternoon and captured the manatee. The manatee is being transported to Sea World.

-Andy



REC1718
SWFTM 1719B
"Buoy"

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFT-17196/REC1715 Capture ID: _____ Data Recorder: ANNE LINS

Name: 'BUDDY' Date: 28 AUG 2017

ID of its Calf / Mom: N/A Sex: (M) / F

CAPTURE

Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE

Location: LEE WENN BAY RAMP
 Latitude: 28 35 17 N
 Longitude: 72 6278 W
 Water Temp: 28.2 (C) F

TIMES

Initial Pursuit: _____
 Net Set: _____
 Captured (Onboard): _____
 On Beach: _____
 Released: 0959

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 21.4 (C) F Wind: SW mph 11 Cloud Cover: S PC (MC) O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|-----------------------------------|-------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>296</u> | |
| | Total Length (straight) | <u>267</u> | |
| | Snout to Peduncle | <u>193</u> | |
| | Snout to Anus | <u>166</u> | |
| | Snout to Umbilicus | <u>101</u> | |
| Girths | Girth at Peduncle (actual) or 1/2 | Ultrasound Loc: <u>104</u> cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | <u>160</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>190</u> | |
| | Girth at Axilla: actual or 1/2 | <u>148</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>(3)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|----------------------|---|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | / Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | / <u>(Flat)</u> / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>WILLIAM GARZA</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: |
|----------------|------------------------------------|
| | Lactating? <u>Y / (N)</u> |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>(None)</u> | Data Sheets? <u>Y (N)</u> |
|------------|--|---------------------------|
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> | <u>Y (N)</u> |
| | Respiratory Rate? <u>(Y) N</u> | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: _____ |
|--------------|--------------------------|-------------------|
| | Location(s): _____ | |

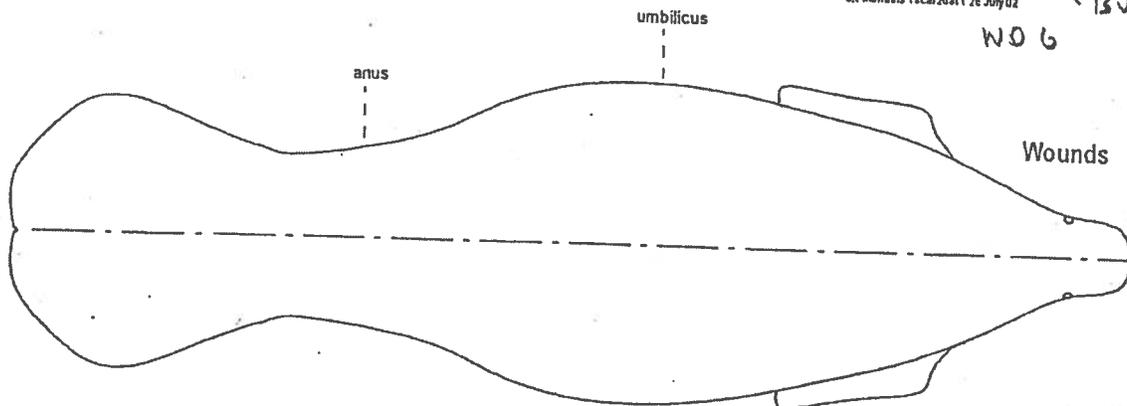
Date 28 AUG 2017

Field I.D. SWFT-17196/2EC1718

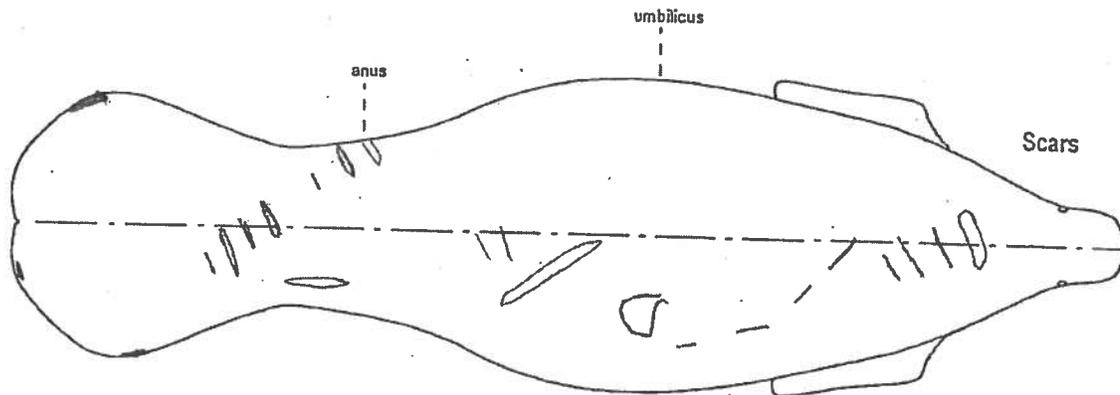
© Manual Scar Data 26 July 02

'BOY'

NO 6



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



Szemer, Donna

From: Peterson, Jon <Jon.Peterson@SeaWorld.com>
Sent: Friday, December 28, 2018 6:09 PM
To: Szemer, Donna; Croft, Lara
Cc: Garrett, Andy; Greer, Bill; Gordon, Nadia
Subject: RE: [EXTERNAL] RE: Manatee Rescue, Buoy, SWFTM1719b

CAUTION: This email originated from outside of FWC. Whether you know the sender or not, do not click links or open attachments you were not expecting.

This animal should stay as watercraft impact looking at its medical records we had 4 fractured ribs on radiographs. Thanks JP

From: Szemer, Donna [mailto:Donna.Szemer@MyFWC.com]
Sent: Friday, December 28, 2018 2:20 PM
To: Peterson, Jon; Croft, Lara
Cc: Garrett, Andy; Greer, Bill; Gordon, Nadia
Subject: [EXTERNAL] RE: Manatee Rescue, Buoy, SWFTM1719b

Hi, Jon-

Can you please check to see if you found any trauma upon the initial examination of "Buoy", SWFTM1719b? We currently have this listed as a Watercraft, impact rescue, but the web database has it listed as Natural, buoyant.

Any information you can provide would be greatly appreciated.

Thanks, and Happy New Year!

Donna

Rescue Report

REC1719

Natural
Tidally Stranded

GENERAL

| | | |
|--|------------------------------------|--|
| Date of Rescue: 19 July 2017 | Date of Initial Call: 19 July 2017 | Filed by: W. Greer |
| Rescue ID: REC1719 | Facility ID: N/A | Other ID: BC756 |
| FWC Case Number: 9775 | FWC Region: NE | |
| Sex: Female | Length: 317 cm | Estimated: No |
| | Weight: 455 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R:00-072A-CF0E |
| | | L:00-072A-C044 |
| State: Florida | County: Volusia | City: Edgewater |
| | | Waterway: Callalisa Creek |
| Latitude (Decimal Degrees): 29.00707° N | | Longitude (Decimal Degrees): -080.89896° W |
| Locality Description: Approximately 1.08 km E of 621 North Riverside Drive | | |
| Method of Capture or Assistance: Land Based: Stretcher (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

- | | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input checked="" type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: Manatee was completely out of water and approximately 50 feet from water. Manatee had been observed out of water since approximately 0800 hrs and tide was still going out when ECFL staff arrived at 1300 hrs.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-07-19_2199 through 2210; WDG 2017-07-19 1 | |

HISTORY

| Date | Narrative |
|--------------|--|
| 19 July 2017 | At 1009 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding a tidally stranded manatee in the |

Callalisa Creek in Edgewater, Volusia County. FWC case number 9775 was assigned. The complainant, Jacob Wersinger (386-457-0111), stated there was an adult manatee on a sandbar almost completely out of the water with only a small portion of the underside still in the water and the tide would still be going out for a few hours. The complainant had no photos and had to get back to work but stated that two ladies were with the manatee and were keeping it wet with buckets of water. At 1022 hrs, WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) about the situation. AJG and WDG agreed the manatee should be relocated based on the manatee's condition. At 1153 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding the same manatee. The complainant, Tammy Ryan (904-570-1850), stated she was with the manatee and it was now completely out of the water. At 1218 hrs, DEC received a photo via text that confirmed the report. At 1225 hrs, WDG, DEC, FWC biologist-Sara M. Wappes (SMW), FWC intern-Jesse L. Kessler (JLK), FWC volunteer-Leo Cross (LC) and day volunteer-Cedar Cross (CC) arrived at George Kennedy Memorial boat ramp in Edgewater and launched the ECFL Key West. At 1305 hrs, they arrived at the location of the manatee. ECFL staff and volunteers took photos, PIT tagged, drew a scar sketch and took measurements of the manatee. At 1323 hrs, WDG contacted AJG to confirm relocation and release of the manatee, and AJG agreed. At 1333 hrs, FWC staff, volunteers and two members of the public used a stretcher to move the manatee back into the water and released it.

PARTICIPANTS

FWC EC: William D. Greer, Sara M. Wappes, Danielle E. Carter
FWC intern: Jesse L. Kessler
FWC volunteer: Leo Cross, Cedar Cross
2 members of the public

Edited by:

DJS
AJG
GLL

(Rev: 01/20/2017)

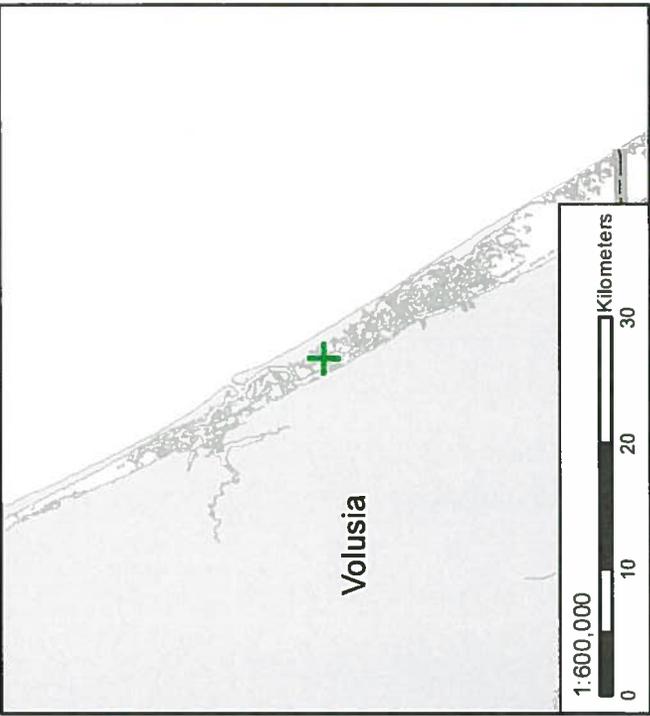
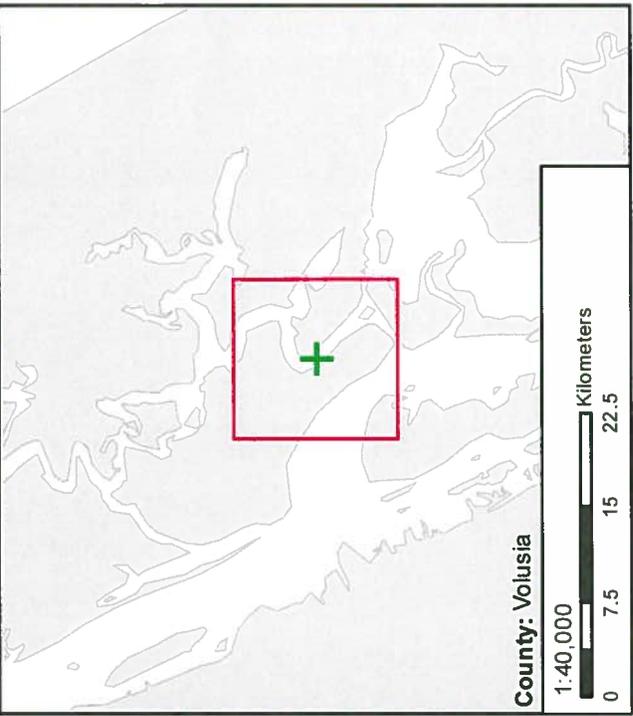


Verified Response Location of Manatee Rescue REC1719

Rescue Date: 7/19/2017

Facility ID: N/A

Map Created 11/27/2017



Locality Description:
approximately 1.08 km E of 621 North Riverside Dr

Latitude: 29.00707°N Longitude: -80.89896°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: BC756
 Name: _____
 ID of its Calf / Mom: _____

Capture ID: REC1719
 Date: 19 JULY 2017
 Sex: M / F

Data Recorder: J. KESSLER

CAPTURE
 Location: CALLALISA CREEK
 Latitude: 29.0070750 N
 Longitude: -080.8489611 W
 Water Temp: N/A C F

RELEASE
 Location: CALLALISA CREEK
 Latitude: 29.0069139 N
 Longitude: -080.8490500 W
 Water Temp: N/A C F

TIMES
 Initial Pursuit: 1305
 Net Set: N/A
 Captured (Onboard): N/A
 On Beach: N/A
 Released: 1333

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = N/A C F Wind: N/A mph N/A Cloud Cover: S PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|-----------------------------------|-------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>341</u> | |
| | Total Length (straight) | <u>317</u> | |
| | Snout to Peduncle | <u>231</u> | |
| | Snout to Anus | <u>217</u> | |
| | Snout to Umbilicus | <u>112</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>123</u> cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | <u>161</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>240</u> | |
| | Girth at Axilla: actual or 1/2 | <u>209</u> | |

| ULTRASOUND | Reader Name: _____ | | | |
|------------------------------|--------------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | 3 | <input checked="" type="radio"/> 4 | 5 |
|---------------------------------|--|---|---|---|--|---|
| Health Concerns? | | | | Y / <input checked="" type="radio"/> N | (If yes, describe in comments) | |
| Peanut shaped head? | Y / <input checked="" type="radio"/> N | | | Ribs visible? | Y / <input checked="" type="radio"/> N | |
| Side between anus & peduncle: | | | | Rounded / <input checked="" type="radio"/> Flat / Concave | | |
| Ventrum: | | | | Rounded / <input checked="" type="radio"/> Flat / Concave / Ventral Folds | | |
| Fresh Wounds or Lesions: | | | | <input checked="" type="radio"/> Y / N | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>WILLIAM GREER</u> | | |
| Clinical Assessment Data Sheet? | | | | Y / <input checked="" type="radio"/> N | | |

| REPROD. STATUS | Pregnant? Y / N | Describe: |
|----------------|--|----------------|
| | | <u>UNKNOWN</u> |
| Lactating? | Y / <input checked="" type="radio"/> N | |

| MONITORING | Heartrate: Stethoscope EKG Doppler | <u>None</u> | Data Sheets? Y <input checked="" type="radio"/> N |
|------------|--|-------------|---|
| | Temperature: Oral Naso-pharyngeal Rectal | <u>None</u> | Y <input checked="" type="radio"/> N |
| | Respiratory Rate? <input checked="" type="radio"/> Y N | | Y <input checked="" type="radio"/> N |

| FREEZE BRAND | Letters/Numbers applie | Applied by: |
|--------------|------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: REC1719 Capture ID REC1719 Date: 19 JULY 2017

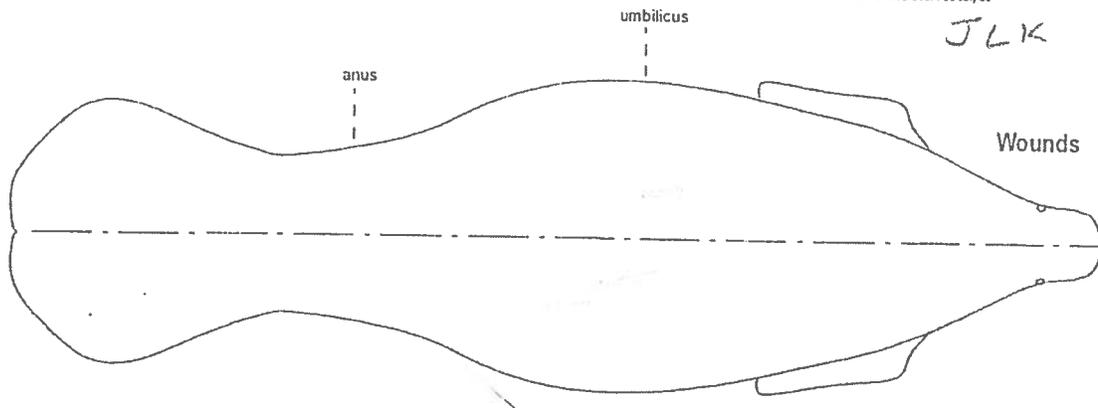
| | | | | |
|--------------------|--|--|-------------------|----------------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: <u> </u> ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: <u> </u> | Freeze / / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / | Freeze / | | |
| PIT TAG | Scanned for previous PIT tag? <u>Y / N</u> | PIT tagged at this capture? <u>(Y) / N</u> | | |
| | PIT tagged by: | <u>WILLIAM D GREEN</u> | | |
| | Right # | <u>00 - 072A - C E 0 E</u> | | |
| | Left # | <u>01 - 072A - C 0 4 4</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. <u> </u> MHz | | |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| BELT | ID# / Size / Color | FWC <u> </u> Length: <u> </u> in. Color: <u> </u> | | |
| | Belt Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| | Belt Knot / Webbing Exposed | Left / Right <u> </u> inches | | |
| | CR2a Programmed Release | <u>Y / N</u> Date/Time: <u> </u> | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length. ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M. WAPPES</u> | | |
| | Exposures: | <u>FWL025_2017-07-19_2199-2210</u> | | |
| SKETCHES | Sketched by: | <u>JESSE L. KESSLER</u> | | |
| COMMENTS | <p><u>MANATEE WAS IDENTIFIED BY CATHY BRICK AS 'BC756'</u></p> <p><u>THERE WERE 3 SUPERFICIAL, HEALING WOUNDS ON THE DORSUM. NONE EXTENDED PAST THE DERMIS</u></p> <p><u>MANATEE WAS TOTALLY STRANDED SO NO CAPTURE NET WAS NEEDED.</u></p> <p><u>DID NOT HAVE A SCALE BUT ESTIMATED WEIGHT WAS 455 KG</u></p> | | | |

Date 19 JULY 2017

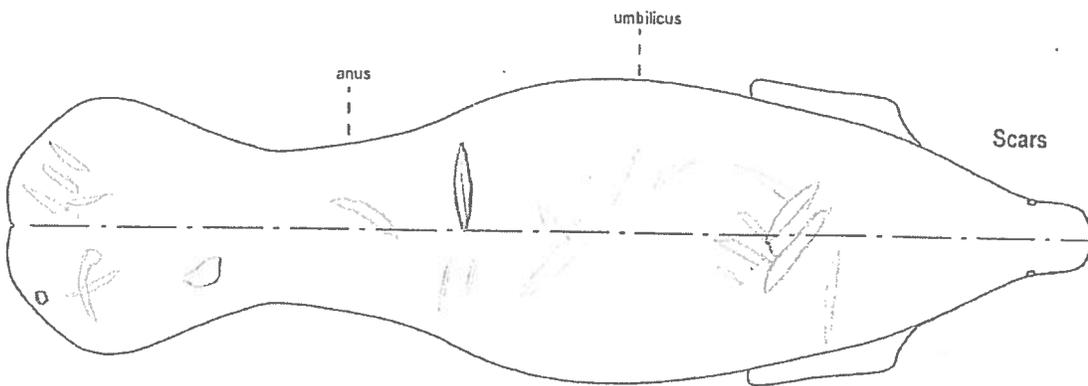
Field I.D. REC1719

c.1 Manual Scar/Dat 1 26 July 02

JLK



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |

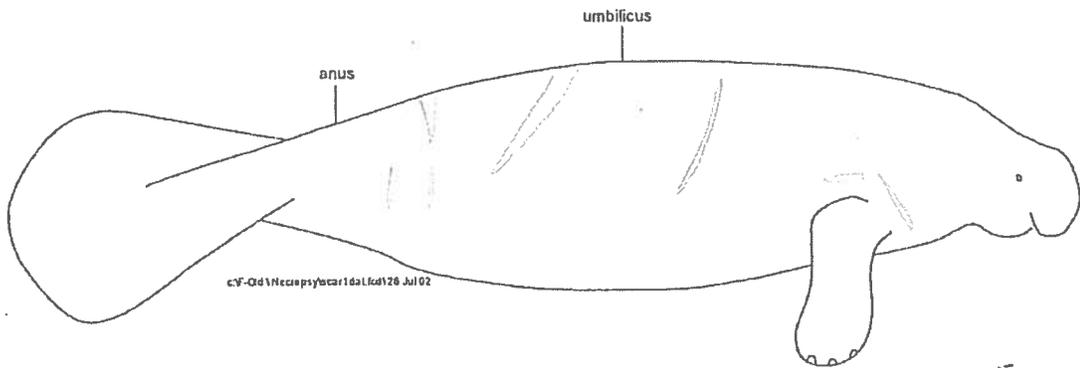
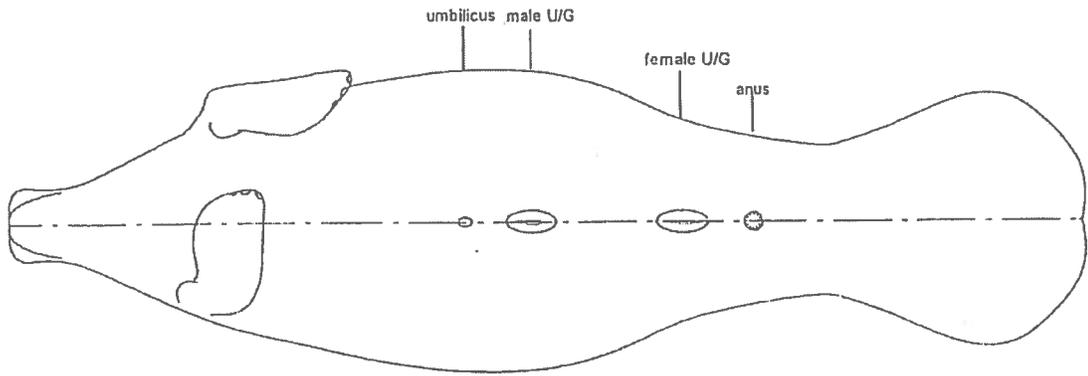
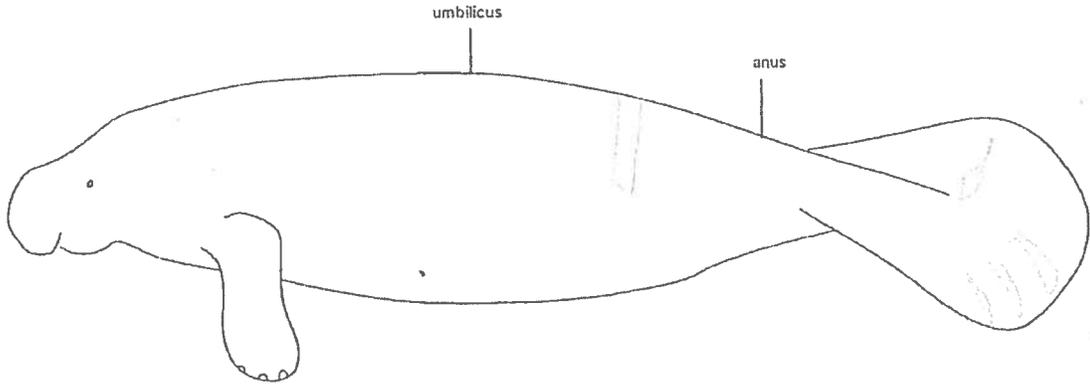


Scar Dat sht Sep 2002

PIT 300 L 12
Right



FIELD I.D. REC1719



Szemer, Donna

From: Garrett, Andy
Sent: Thursday, July 20, 2017 3:48 PM
To: Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Buddy Powell; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Cora Berchem; Craig Miller; Craig Pelton; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Lara Croft ; Laura Eldridge; Lauren Smith; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Bukowski, Lucy; Mackenzie Russell; Marilyn Margold; Martin, Baryl; Martz, Meg; Van der Maelen, Matt; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Walsh; Monica Ross; Morse, Gary; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Rigney, Kane; Robert Bonde; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Segelson, Carli; Chatraw, Shanna; Steve Lehr; Susan Butler; Smith, Susan; Szemer, Donna; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update
Attachments: IMG_0810.jpg

Sarasota:

RSW1718

Yesterday morning, the FWC-SWFL and Mote responded to a report of a lone small manatee in Sarasota. The manatee was confirmed alone and the thin 116 cm male manatee was captured and transported to Lowry Park Zoo.

New Smyrna Beach:

REC1719 (RC 756)

Yesterday afternoon, staff from the FWC-ECFL responded to a report of a “high and dry” stranded adult manatee (see attached photo) in New Smyrna. Staff assessed the 317 cm female manatee’s condition and decided that she was in good health and the manatee was returned to the water.



REC 719 (BC 756)

Rescue/Rel
8/10/17 12/12/17
REC1721

Rescue Report

GENERAL

| | | | | | |
|---|-----------------|--------------------------------------|--|------------------------|----|
| Date of Rescue: 18 August 2017 | | Date of Initial Call: 18 August 2017 | | Filed by: S. Wappes | |
| Rescue ID: REC1721 | | Facility ID: MSTm1706 | | Other ID: Naboo | |
| FWC Case Number: 11292 | | | FWC Region: NE | | |
| Sex: Female | Length: 284 cm | Estimated: No | Weight: 360 kg | Estimated: Yes | |
| PIT Tag Present: No | | PIT Tag Applied: No | | R: | L: |
| State: Florida | County: Brevard | City: Melbourne Beach | | Waterway: Indian River | |
| Latitude (Decimal Degrees): 27.93042° N | | | Longitude (Decimal Degrees): -80.4996° W | | |
| Locality Description: approximately 45 m S of 465 Nikomas Way | | | | | |
| Method of Capture: Boat Based: Net Set | | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: Positively buoyant, unable to submerge, listing

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

HISTORY

| Date | Narrative |
|-----------------------|---|
| 18 August 2017 | At 1210 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the Indian River in Melbourne Beach, Brevard County. FWC case number 11292 was |

assigned. The complainant, Joy Gilbert (321-419-9203), stated that the manatee was unable to submerge. At 1217 hrs, WDG received photos and video verifying the injured manatee. At 1240 hrs, WDG arrived on scene. WDG contacted manatee rescue coordinator-Andrew J. Garrett (AJG) to inform him of the injured manatee and planned rescue, Miami Seaquarium-Maya Rodriguez to ensure they had space for the manatee, and FWC biologist-Amber R. Howell (ARH) to bring the capture boat and assist with the rescue. Staff and volunteers from ECFL and SEFL arrived at the boat ramp at 1445 hrs. The manatee was captured at 1625 hrs, using a boat-based net set. ARH and FWC biologist-Aarin C. Allen transported the manatee to Miami Seaquarium, and it was placed into a rehabilitation pool at 2015 hrs.

PARTICIPANTS

FWC EC: W. Greer, D. Carter

FWC SE: A. Howell, A. Allen

FWC volunteers: Joe Wolf, Leo Cross, Lex Essary, Kelly McCorry

Edited by:

DJS

GLL

AJG

(Rev 03/18/2013)

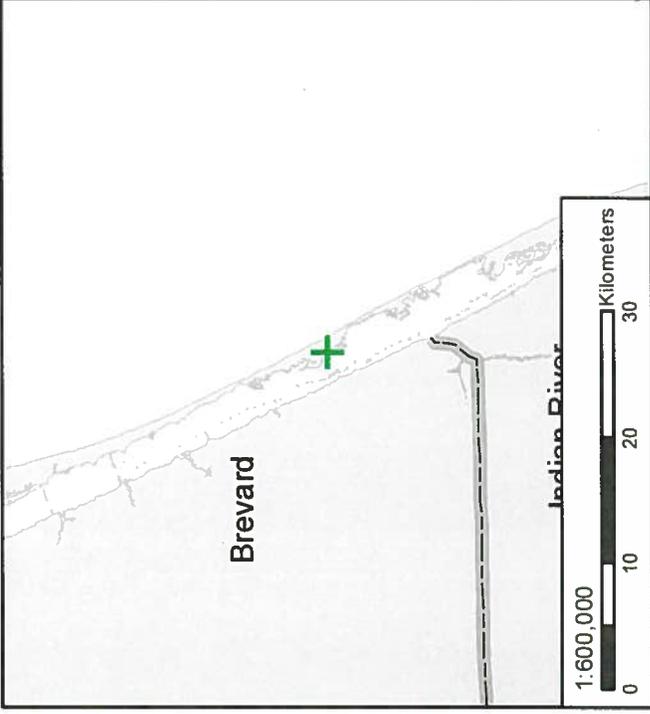
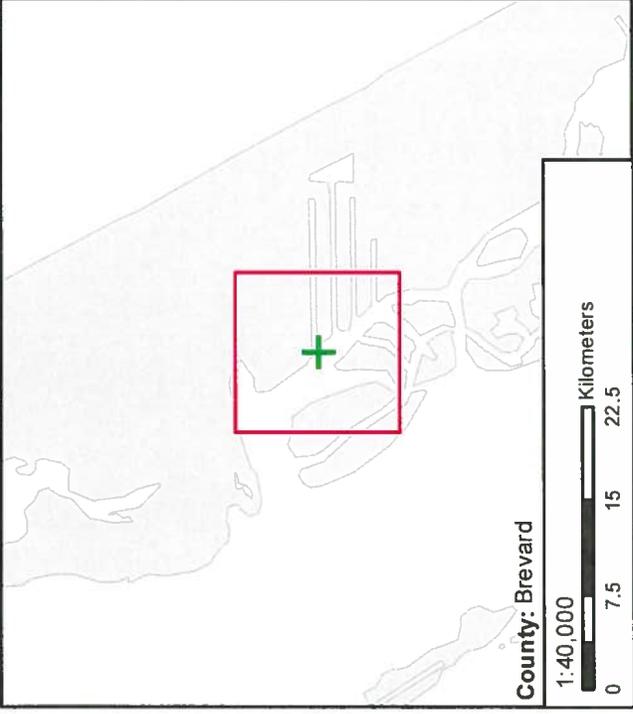
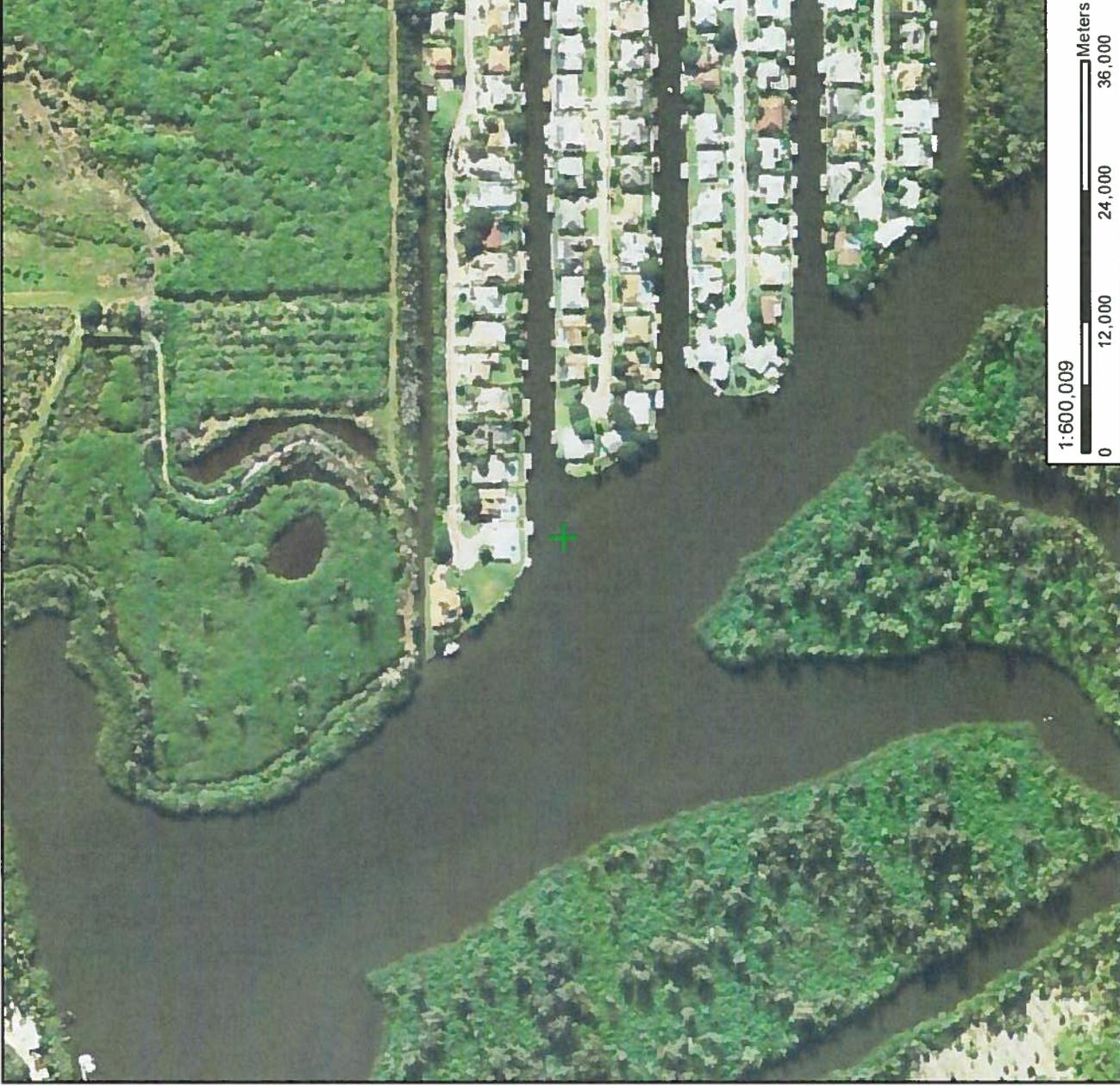


Verified Response Location of Manatee Rescue REC1721

Rescue Date: 8/18/2017

Facility ID:

Map Created 2/7/2018



Locality Description:
approximately 45 m S of 465 Nikomas Way

Latitude: 27.93042°N

Longitude: -80.4996°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: MSTM1706/REC1721

Capture ID: _____

Data Recorder: ALEXIS ESSARY

Name: 'NABOO'

Date: 12 DEC 2017

(VOL)

ID of its Calf / Mom: _____

Sex: M / F

TIMES

CAPTURE

Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE

Location: PORT ST. JOHN BOAT RAMP
 Latitude: 28.4751056 N
 Longitude: -080.7665556 W
 Water Temp: 18.8 C F

Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1520

EVENT: ___ Capture ___ Rescue ___ Pre-release Assess. X Release ___ Post-release Assess.

Workup Site: Air Temp = 24.7 C F Wind: NE mph 7.7 Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| | <u>433 kg</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>311</u> | |
| | Total Length (straight) | <u>288</u> | |
| | Snout to Peduncle | <u>212</u> | |
| | Snout to Anus | <u>183</u> | |
| | Snout to Umbilicus | <u>103</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>113</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>160</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>203</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>162</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>3+</u> | 4 | 5 |
|---------------------------------|----------------|---|---|---------------------------|----------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | <u>Ribs visible? Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>(Rounded)</u> | / Flat / Concave | |
| Ventrum: | | | | <u>(Rounded)</u> | / Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>DR. MAYA RODRIGUEZ</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> | Describe: |
|----------------|--------------------------|----------------|
| Lactating? | | <u>Y / (N)</u> |

| MONITORING | Heartrate: | <u>(Stethoscope)</u> | EKG | Doppler | None | Data Sheets? <u>Y (N)</u> |
|-------------------|------------|--------------------------|--------|---------|------|---------------------------|
| Temperature: | Oral | <u>(Naso-pharyngeal)</u> | Rectal | None | | <u>Y (N)</u> |
| Respiratory Rate? | <u>Y</u> | <u>N</u> | | | | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

| | | | | |
|--------------------|---|---|------------------|----------------|
| BLOOD | Collect Blood? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: <u>DR. MAYA RODRIGUEZ</u> | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / <input checked="" type="checkbox"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / <input checked="" type="checkbox"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / <input checked="" type="checkbox"/> N | Freeze / EtOH | | |
| | Skin Scraping? Y / <input checked="" type="checkbox"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / <input checked="" type="checkbox"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / <input checked="" type="checkbox"/> N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? Y / <input checked="" type="checkbox"/> N Oral / Rectal | Refrig | | |
| | Other? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | PIT tagged at this capture? Y / <input checked="" type="checkbox"/> N | | |
| | PIT tagged by: | <u>DR. MAYA RODRIGUEZ 10/26/2017</u> | | |
| | Right # | <u>Ø Ø - Ø 7 8 6 - 0 A 3 3</u> | | |
| | Left # | <u>Ø Ø - Ø 7 8 8 - 5 9 B C</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: _____ | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>BRITTANY BENNETT (VSL)</u> | | |
| | Exposures: | <u>FWC020_2017-12-12_8167-8199</u> | | |
| SKETCHES | Sketched by: | <u>DANIELLE E. CARTER</u> | | |
| COMMENTS | <p><u>WEIGHED 12/12/2017 @ MSQ</u></p> <p><u>MEASUREMENTS 12/01/2017 @ MSQ</u></p> <p><u>OTHER SAMPLE = GENETICS TUBE FROM PIT TAG</u></p> <p><u>PRE-RELEASE BLOOD SAMPLES TAKEN BUT # OF TUBES NOT NOTED</u></p> | | | |

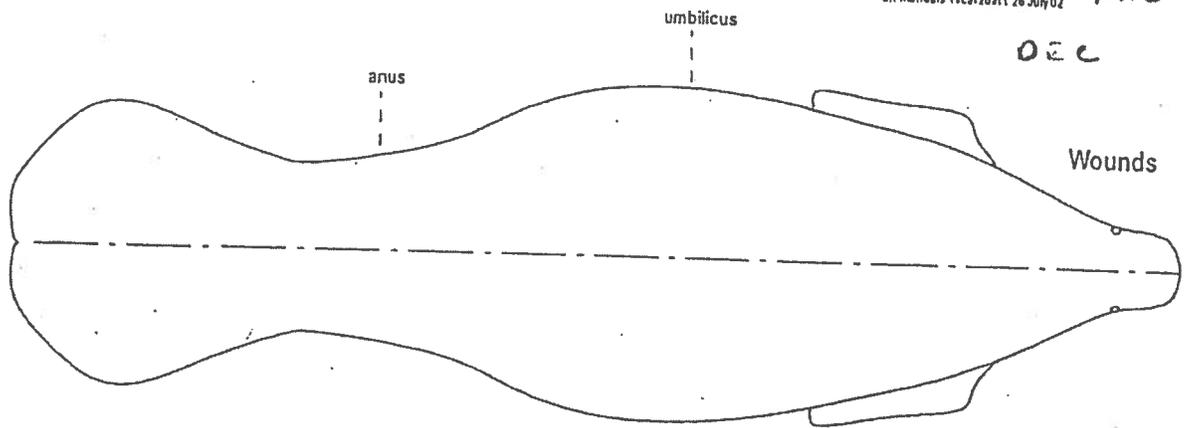
Date 12 DEC 2017

Field I.D. MS 1706/REC 1721

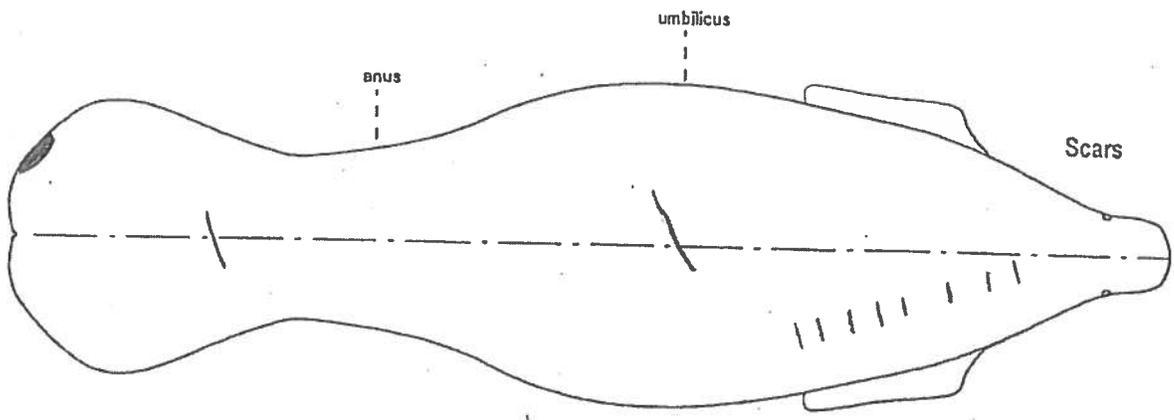
c.1 Manuals 1scar2dat1 26 July 02

'NASSO'

DEC

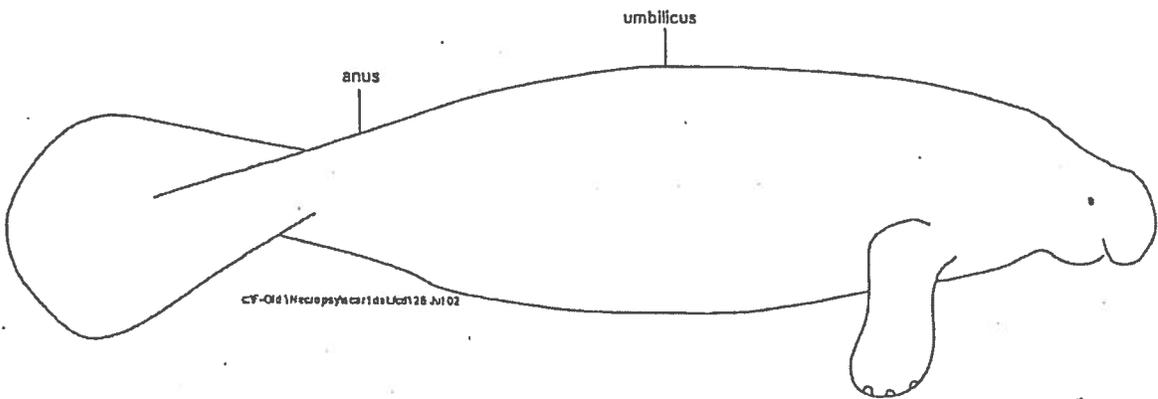
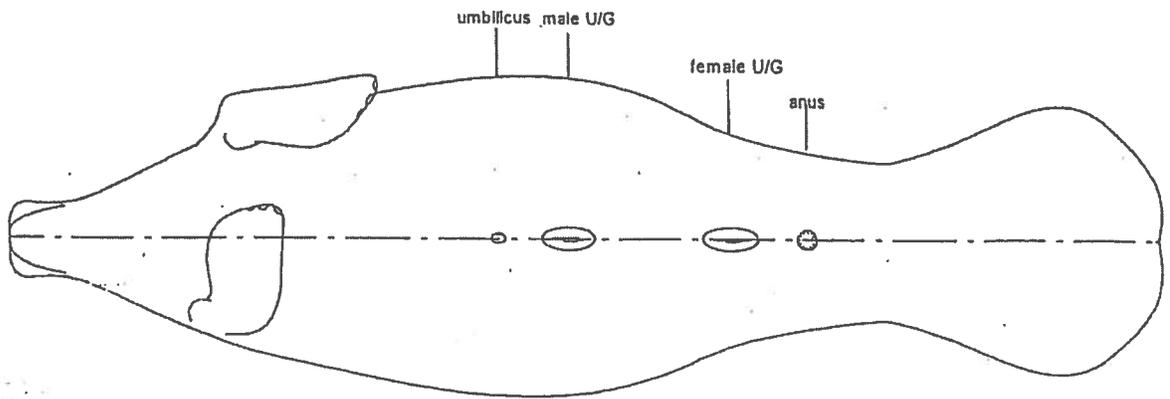
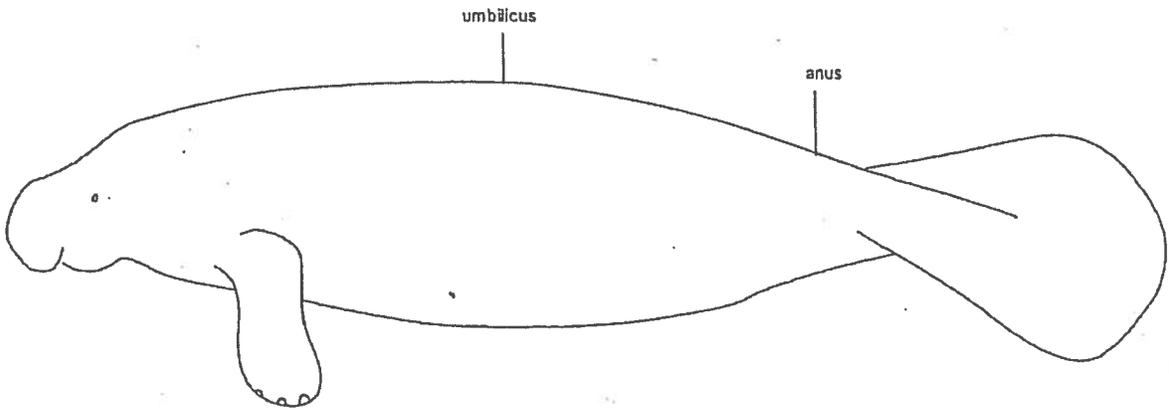


| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. M31706/REC1721

'NABOO'



CF-Old 1 Necropsy car 1 ds Lcd 128 Jul 02

Rescue Report

REC1722

Entrapment
Human

Hurricane
Irma

GENERAL

Date of Rescue: 15 September 2017 Date of Initial Call: 11 September 2017 Filed by: W. Greer
 Rescue ID: REC1722 Facility ID: SWFTm1724b Other ID:
 FWC Case Number: 12341, 12361, 12432 FWC Region: NE
 Sex: Male Length: 159 cm Estimated: No Weight: 66 kg Estimated: Yes
 PIT Tag Present: No PIT Tag Applied: Yes R: None L: 00-071E-5395
 State: Florida County: Brevard City: Melbourne Waterway: Crane Creek
 Latitude (Decimal Degrees): 28.07482° N Longitude (Decimal Degrees): -80.61761° W
 Locality Description: Approximately 40 m SE of 2217 Bignonia Street
 Method of Capture or Assistance: Land Based: Hoop Net (Other: _____)

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

Entrapment-Human Related

Describe: During Hurricane Irma, water level rose and gave six manatees access to a residential pond. When the water level returned to normal, the manatees became trapped in the pond.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-15_3238 through 3241, 3256 | |

HISTORY

| Date | Narrative |
|-------------------|--|
| 11 September 2017 | At 1025 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding multiple manatees stuck in a pond behind a residence off Crane Creek in Melbourne, Brevard County. FWC case number 12341 was assigned. The complainant, Casey (321-759-7123), |

stated there were four to five manatees, including one calf, in a pond behind his neighbor's house. He stated they all looked fine and no injuries were seen. He was unable to get photos. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation and both agreed that they could wait until state offices officially opened back up after the storm.

At 1321 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12361 was assigned. The complainant, Lauren Bates (540-207-4590), stated she had heard from neighbors that there were two manatees in a pond behind her neighbor's house. At 1354 hrs, the complainant sent WDG photos of the pond and at least one manatee.

13 September 2017

At 0927 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12432 was assigned. The complainant, Amy (321-446-9895), stated there were three manatees in a pond behind her house and all were medium-sized. At 0938 hrs, the complainant sent SMW photos and video of at least one manatee.

At 1440 hrs, FWC biologist-Danielle E. Carter (DEC) received a cell phone call regarding multiple manatees stuck in a pond off Crane Creek. No FWC case number was assigned. The complainant, Karen McLaughlin (321-848-8416), stated there were multiple manatees in the pond. DEC informed the complainant that she was aware of the situation. At 1712 hrs, the complainant sent DEC photos and videos of the manatees.

14 September 2017

At 0950 hrs, WDG arrived at the residence to obtain information about the pond and manatees to coordinate a rescue for the following day. At 1505 hrs, WDG contacted University of Florida veterinarian-Mike Walsh (MW) to see if he and his staff would be able to assist with health assessments of the manatees once they were captured, and MW agreed.

15 September 2017

At 0900 hrs, WDG, DEC, SMW, SeaWorld Orlando staff, University of Florida staff, FWC volunteers, and Brevard Zoo staff and volunteers met at 1220 Prospect Ave., Melbourne for a quick briefing before going to the residence. At 1010 hrs, the first land based net set was conducted in which five manatees were initially captured. REC1722 was captured with a hoop net and removed from the net set. The final manatee captured, REC1727, was lactating and released with REC1722 at 1344 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC volunteers: Jesse L. Kessler, Leo Cross, Joe Wolf, Peter Jepeal, Paul Lins, Mary Watson

Sea World: Lorri Braso, Wayne Grinder, Mallorie McCormack

Rescue Report

REC1722

University of Florida: Mike Walsh, Craig Pelton, Alissa Deming, Allison Peterson, Mackenzie Russell, Laurie Adler
Brevard Zoo staff and volunteers

Edited by:

DJS
GLL
AJG

(Rev: 01/20/2017)

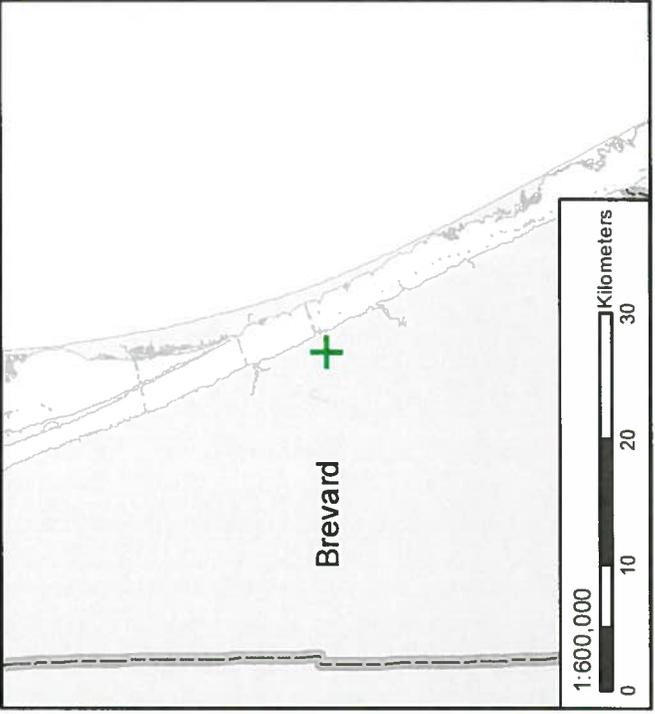
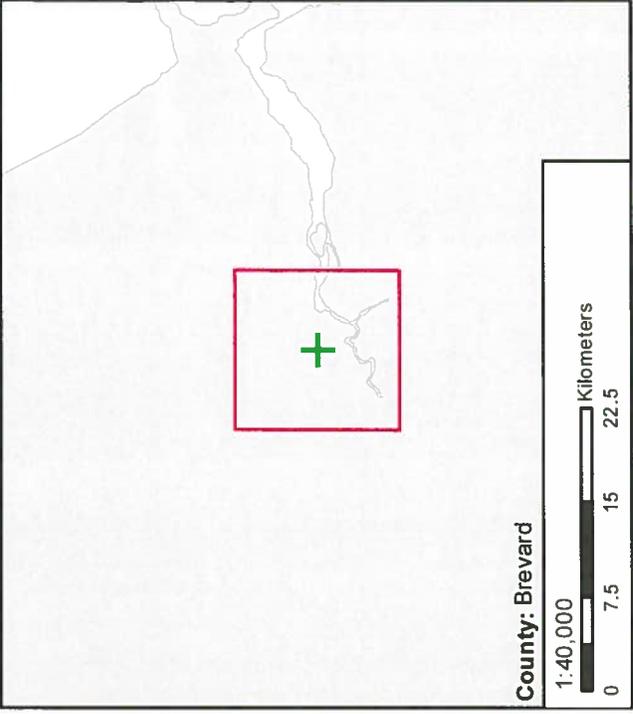


Verified Response Location of Manatee Rescue REC1722

Rescue Date: 9/15/2017

Facility ID: SWFTm1724b

Map Created 2/7/2018



Locality Description:
approximately 40 m SE of 2217 Bignonia Street

Latitude: 28.07482°N

Longitude: -80.61761°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTR17246/REC1722 Capture ID: _____

Data Recorder: Jesse L. Kesler

Name: _____ Date: 15 SEP 2017

ID of its Calf / Mom: SWF17246/REC1727 Sex: (M) / F

| TIMES | |
|--------------------|-------------|
| Initial Pursuit: | <u>1010</u> |
| Net Set: | <u>1012</u> |
| Captured(Onboard): | <u>1012</u> |
| On Beach: | <u>1012</u> |
| Released: | <u>1344</u> |

CAPTURE
 Location: 2217 BIGNONIA ST
 Latitude: 28.0748139 N
 Longitude: -080.617625 W
 Water Temp: 29.3 (C) F

RELEASE
 Location: CRANE CREEK
 Latitude: 28.0747159 N
 Longitude: -080.6176944 W
 Water Temp: 27.6 (C) F

EVENT: ___ Capture X Rescue ___ Pre-release Assess. ___ Release ___ Post-release Assess.

Workup Site: Air Temp = 36.7 (C) F Wind: 4.5 mph NE Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|------------------------------|--------------------|
| | <u>66 kg (est)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>164</u> | |
| | Total Length (straight) | <u>159</u> | |
| | Snout to Peduncle | <u>104</u> | |
| | Snout to Anus | <u>91</u> | |
| | Snout to Umbilicus | <u>66</u> | |
| Girths | Girth at Peduncle: <u>(actual)</u> or 1/2 | Ultrasound Loc: <u>65</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>(actual)</u> or 1/2 | <u>92</u> | |
| | Girth at Umbilicus: <u>(actual)</u> or 1/2 | <u>108</u> | |
| | Girth at Axilla: <u>(actual)</u> or 1/2 | <u>91</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>(3)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|------------------------|--------------------------------|------------------------------|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | | | | <u>(Rounded)</u> | Flat / Concave | |
| Ventrum: | | | | <u>(Rounded)</u> | Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>DR MICHE WALSHE</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? | <u>Y / (N)</u> | Describe: |
|----------------|-----------|----------------|-----------|
| Lactating? | | <u>Y / (N)</u> | |

| MONITORING | Heartrate: | <u>(Stethoscope)</u> | EKG | Doppler | None <u>90-150 bpm</u> | Data Sheets? | <u>(Y) N</u> |
|-------------------|---------------|----------------------|--------|---------|------------------------|--------------|--------------|
| Temperature: | <u>(Oral)</u> | Naso-pharyngeal | Rectal | None | <u>38.6°C</u> | <u>(Y) N</u> | |
| Respiratory Rate? | <u>(Y) N</u> | <u>5 per 5 min</u> | | | | <u>(Y) N</u> | |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWFTm17245/
REC1722

Capture ID

Date: 15 SEP 2017

| | | | | |
|--------------------|--|--|--|-------------------|
| BLOOD | Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: DR. WALSH | | <input checked="" type="radio"/> L / <input type="radio"/> R | 11 |
| | | | L / R | |
| SAMPLES | Milk? Y / <input checked="" type="radio"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? <input checked="" type="radio"/> Y / <input type="radio"/> N | Refrig / <input checked="" type="radio"/> Freeze / EtOH | | |
| | Fecal? Y / <input checked="" type="radio"/> N | Freeze / EtOH | | |
| | Skin Scraping? Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / <input checked="" type="radio"/> N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N | | |
| | PIT tagged by: | DR. MIKE WALSH | | |
| | Right # | _____ | | |
| | Left # | 0 0 - 0 7 1 E - 5 3 9 5 | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ | Length: _____ in. | Color: _____ |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: _____ | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / tcc | Length: _____ ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | SARA M. WAPPES | | |
| | Exposures: | FWC 025-2017-09-15_3238-3241, 3256 | | |
| SKETCHES | Sketched by: | N/A: NO SCARS | | |

COMMENTS

NO PIT TAG APPLIED TO RIGHT SIDE
WEIGHT ESTIMATED FROM MMPL ALGORITHM

ENVIRONMENTAL DATA TAKEN AT APPROXIMATELY 1420 HRS

Rescue Report

REC1723

Entrapment Human
(Hurricane Irma)

GENERAL

| | | |
|---|---|---|
| Date of Rescue: 15 September 2017 | Date of Initial Call: 11 September 2017 | Filed by: W. Greer |
| Rescue ID: REC1723 | Facility ID: SWFTm1725b | Other ID: PE412 |
| FWC Case Number: 12341, 12361, 12432 | FWC Region: NE | |
| Sex: Female | Length: 319 cm | Estimated: No |
| | Weight: 691 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-071E-59A2 |
| | | L: 00-071E-42D0 |
| State: Florida | County: Brevard | City: Melbourne |
| | | Waterway: Crane Creek |
| Latitude (Decimal Degrees): 28.07482° N | | Longitude (Decimal Degrees): -80.61761° W |
| Locality Description: Approximately 40 m SE of 2217 Bignonia Street | | |
| Method of Capture or Assistance: Land Based: Net Set (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input checked="" type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entrapment-Human Related

Describe: During Hurricane Irma, water level rose and gave six manatees access to a residential pond. When the water level returned to normal, the manatees became trapped in the pond.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-15_3237, 3242 through 3255, 3257 through 3258 | |

HISTORY

| Date | Narrative |
|-------------------|---|
| 11 September 2017 | At 1025 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding multiple manatees stuck in a pond behind a residence off Crane Creek in Melbourne, Brevard County. FWC |

case number 12341 was assigned. The complainant, Casey (321-759-7123), stated there were four to five manatees, including one calf, in a pond behind his neighbor's house. He stated they all looked fine and no injuries were seen. He was unable to get photos. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation and both agreed that they could wait until state offices officially opened back up after the storm.

At 1321 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12361 was assigned. The complainant, Lauren Bates (540-207-4590), stated she had heard from neighbors that there were two manatees in a pond behind her neighbor's house. At 1354 hrs, the complainant sent WDG photos of the pond and at least one manatee.

13 September 2017

At 0927 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12432 was assigned. The complainant, Amy (321-446-9895), stated there were three manatees in a pond behind her house and all were medium-sized. At 0938 hrs, the complainant sent SMW photos and video of at least one manatee.

At 1440 hrs, FWC biologist-Danielle E. Carter (DEC) received a cell phone call regarding multiple manatees stuck in a pond off Crane Creek. No FWC case number was assigned. The complainant, Karen McLaughlin (321-848-8416), stated there were multiple manatees in the pond. DEC informed the complainant that she was aware of the situation. At 1712 hrs, the complainant sent DEC photos and videos of the manatees.

14 September 2017

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15 September 2017

At 0900 hrs, WDG, DEC, SMW, SeaWorld Orlando staff, University of Florida staff, FWC volunteers, and Brevard Zoo staff and volunteers met at 1220 Prospect Ave., Melbourne for a quick briefing before going to the residence. At 1010 hrs, the first land based net set was conducted in which five manatees were initially captured. REC1722 was captured with a hoop net and removed from the net set. The final manatee captured, REC1727, was lactating and released with REC1722 at 1344 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC volunteers: Jesse L. Kessler, Leo Cross, Joe Wolf, Peter Jepeal, Paul Lins, Mary Watson

Rescue Report

REC1723

Sea World: Lorri Braso, Wayne Grinder, Mallorie McCormack
University of Florida: Mike Walsh, Craig Pelton, Alissa Deming, Allison Peterson, Mackenzie Russell, Laurie Adler
Brevard Zoo staff and volunteers

Edited by:

DJS
GLL
AJG

(Rev: 01/20/2017)

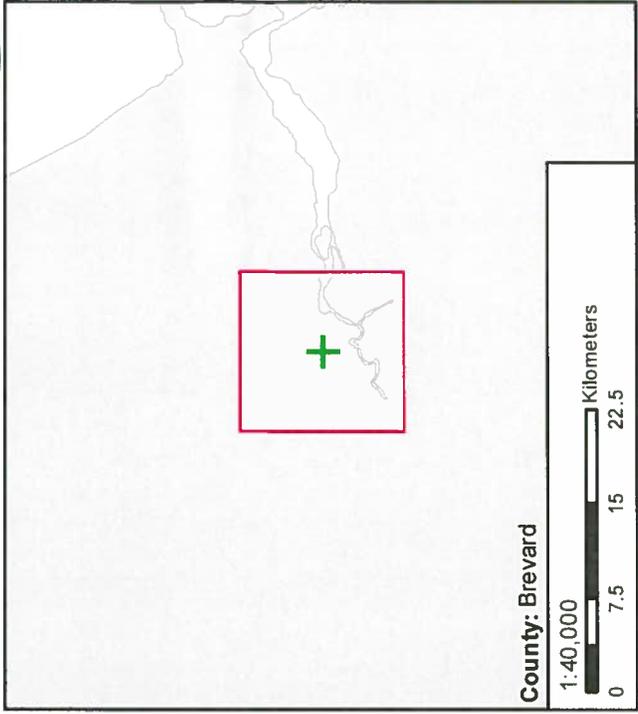
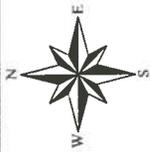


Verified Response Location of Manatee Rescue REC1723

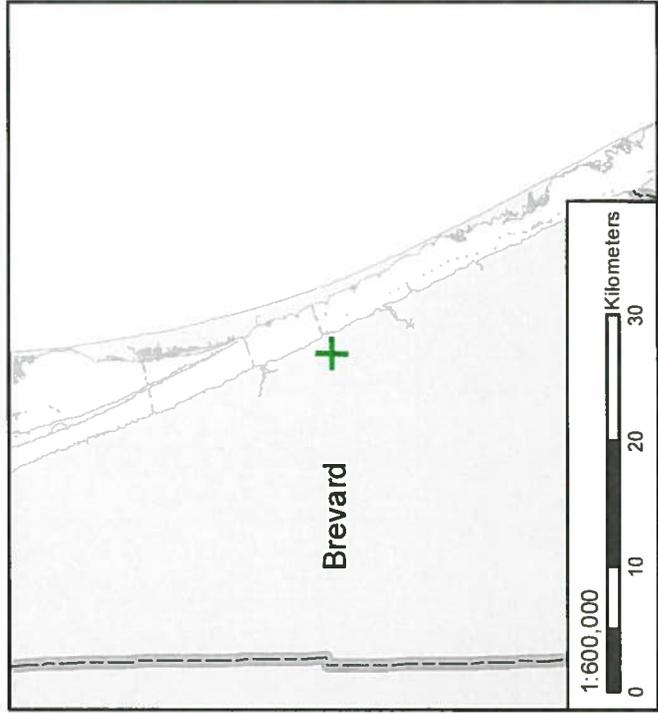
Rescue Date: 9/15/2017

Facility ID: SWFTm1725b

Map Created 2/7/2018



County: Brevard



Locality Description:
approximately 40 m SE of 2217 Bignonia Street

Latitude: 28.07482°N

Longitude: -80.61761°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF701725b / REC1723 Capture ID: _____

Data Recorder: DANIELLE E. CARROLL / JESSIE L. KESSLER

Name: PE412

Date: 15 SEP 2017

ID of its Calf / Mom: _____

Sex: M / (F)

CAPTURE
 Location: 2217 BIGNONIA ST
 Latitude: 28.0748139 N
 Longitude: -080.617625 W
 Water Temp: 29.3 (C) F

RELEASE
 Location: CRANE CREEK
 Latitude: 28.0747139 N
 Longitude: -080.6176944 W
 Water Temp: 27.8 (C) F

TIMES
 Initial Pursuit: 1010
 Net Set: 1010
 Captured(Onboard): 1015
 On Beach: 1015
 Released: 1122

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 36.7 (C) F Wind: 4.5 mph NE Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|---------------------|
| | <u>691 kg (E57)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>331</u> | |
| | Total Length (straight) | <u>319</u> | |
| | Snout to Peduncle | <u>227</u> | |
| | Snout to Anus | <u>211</u> | |
| | Snout to Umbilicus | <u>123</u> | |
| Girths | Girth at Peduncle: <u>(actual)</u> or 1/2 | Ultrasound Loc: <u>138</u> cm | Belt Loc: <u>in</u> |
| | Girth at Anus: <u>(actual)</u> or 1/2 | <u>153</u> | |
| | Girth at Umbilicus: <u>(actual)</u> or 1/2 | <u>246</u> | |
| | Girth at Axilla: <u>(actual)</u> or 1/2 | <u>180</u> | |

| ULTRASOUND | | Reader Name: | | | |
|------------------------------|---------------|--------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>(3)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|--------------------------|----------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | / Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | / Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>CRAIG PECTON, DVM</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>(Y) / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> | Describe: |
|----------------|--------------------------|----------------|
| | | |
| | Lactating? | <u>Y / (N)</u> |

| MONITORING | Heartrate: | Stethoscope | EKG | Doppler | None | HRM | Data Sheets? <u>Y / (N)</u> |
|------------|-------------------|----------------|-----------------|---------|------|-----|-----------------------------|
| | Temperature: | <u>(Oral)</u> | Naso-pharyngeal | Rectal | None | | <u>(Y) / N</u> |
| | Respiratory Rate? | <u>(Y) / N</u> | | | | | <u>(Y) / N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWF7m1725b/ REC1723 Capture ID

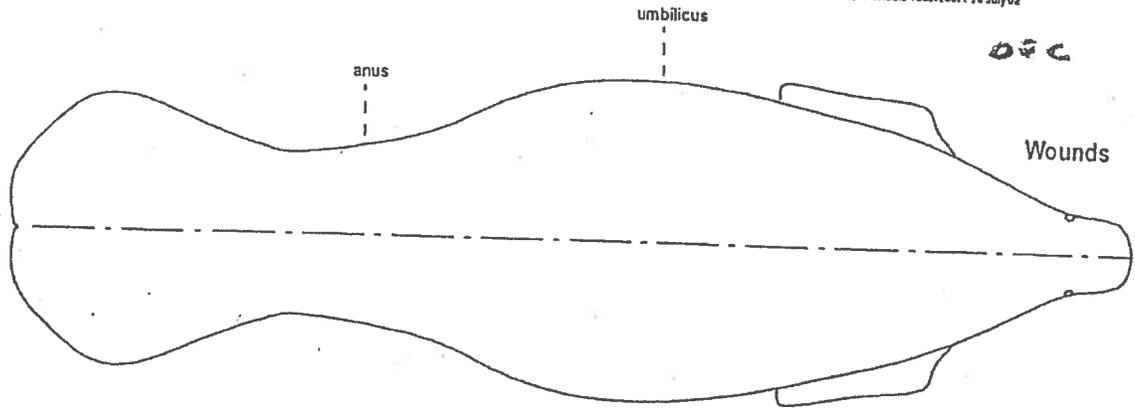
Date: 15 SEP 2017

| | | | | |
|---|---|--|--|----------------|
| BLOOD | Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: <u>DR. PELTON</u> | | <input checked="" type="radio"/> L / <input type="radio"/> R | <u>30</u> |
| | | | <input type="radio"/> L / <input checked="" type="radio"/> R | |
| SAMPLES | Milk? <input type="radio"/> Y / <input checked="" type="radio"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? <input checked="" type="radio"/> Y / <input type="radio"/> N | Refrig / <input checked="" type="radio"/> Freeze / EtOH | | |
| | Fecal? <input checked="" type="radio"/> Y / <input type="radio"/> N | <input checked="" type="radio"/> Freeze / EtOH | | |
| | Skin Scraping? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? <input type="radio"/> Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? <input type="radio"/> Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N | | |
| | PIT tagged by: | <u>SARA M. WAPLES</u> | | |
| | Right # | <u>Ø Ø - Ø 7 1 E - 5 9 A 2</u> | | |
| | Left # | <u>Ø Ø - Ø 7 1 E - 4 2 Ø Ø</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | <input type="radio"/> Y / <input checked="" type="radio"/> N Date/Time: | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M. WAPLES</u> | | |
| | Exposures: | <u>FWC05_2017-09-15_3237, 3242-3254, 3257-3258</u> | | |
| SKETCHES | Sketched by: | <u>DANIELLE E. CARTER</u> | | |
| COMMENTS | | | | |
| <u>LINE IN FREGS</u> | | | | |
| <u>KNOWN ANIMAL FROM JAN 2008 AT PORT EVERGLADES; 'PE412'</u> | | | | |
| <u>WEIGHT ESTIMATED FROM MMPL ALGORITHM</u> | | | | |
| <u>ENVIRONMENTAL DATA TAKEN AT APPROXIMATELY 1420 HRS</u> | | | | |

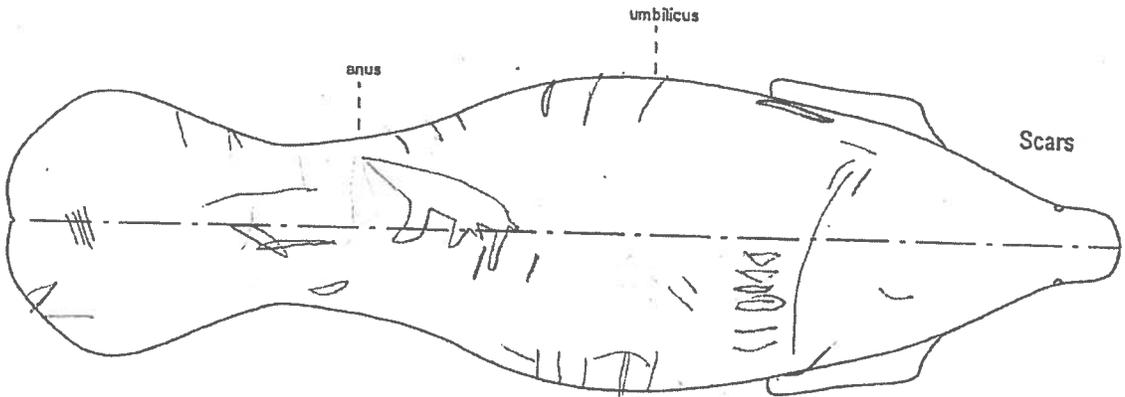
Date 15 Sep 2007

SWIFT 1725b/
Field I.D. REC 17023

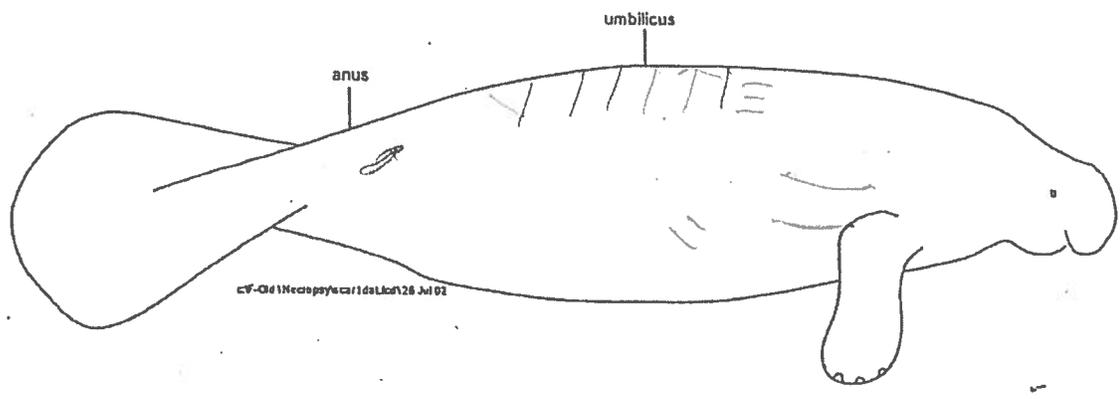
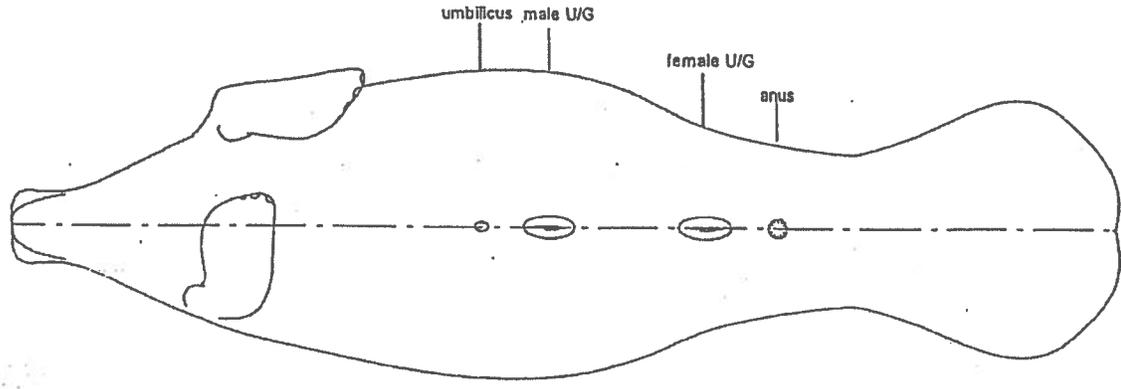
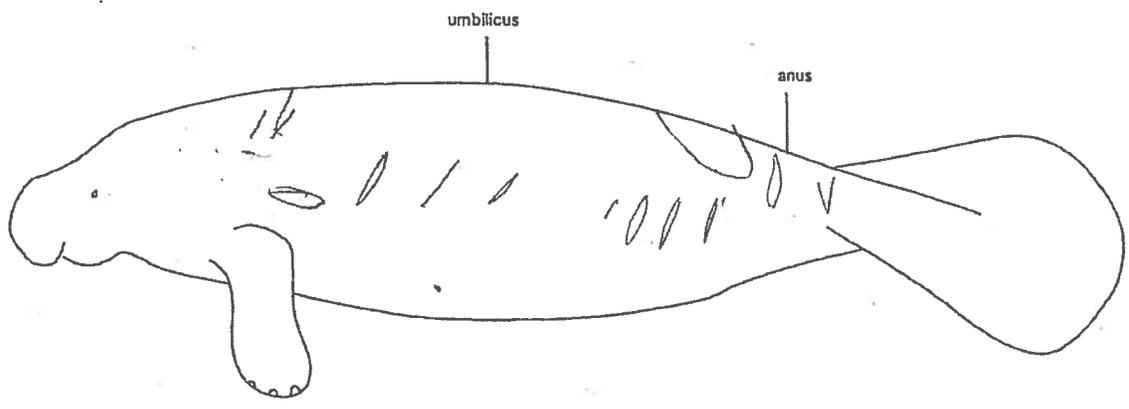
c:\Manuals\1scar2dat1 26 July 02



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



SWFTm 17256/
FIELD I.D. REC 1723



CF-061 Necropsy ca 16s Lic# 28 Jul 02

Rescue Report

REC1724

Entrapment
Human

GENERAL

| | | |
|---|---|---|
| Date of Rescue: 15 September 2017 | Date of Initial Call: 11 September 2017 | Filed by: W.Greer |
| Rescue ID: REC1724 | Facility ID: SWFTm1726b | Other ID: BC766 |
| FWC Case Number: 12341, 12361, 12432 | FWC Region: NE | |
| Sex: Female | Length: 323 cm | Estimated: No |
| | Weight: 882 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-071E-3CA0 |
| | | L: 00-072A-90C4 |
| State: Florida | County: Brevard | City: Melbourne |
| | | Waterway: Crane Creek |
| Latitude (Decimal Degrees): 28.07482° N | | Longitude (Decimal Degrees): -80.61761° W |
| Locality Description: Approximately 40 m SE of 2217 Bignonia Street | | |
| Method of Capture or Assistance: Land Based: Net Set (Other: _____) | | |

(Hurricane
Irma)

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input checked="" type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entrapment-Human Related

Describe: During Hurricane Irma, water level rose and gave six manatees access to a residential pond. When the water level returned to normal, the manatees became trapped in the pond.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-15_3259 through 3263, 3273, 3277 through 3282, 3285 through 3287 | |

HISTORY

| Date | Narrative |
|-------------------|---|
| 11 September 2017 | At 1025 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding multiple manatees stuck in a pond behind a residence off Crane Creek in Melbourne, Brevard County. FWC |

case number 12341 was assigned. The complainant, Casey (321-759-7123), stated there were four to five manatees, including one calf, in a pond behind his neighbor's house. He stated they all looked fine and no injuries were seen. He was unable to get photos. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation and both agreed that they could wait until state offices officially opened back up after the storm.

At 1321 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12361 was assigned. The complainant, Lauren Bates (540-207-4590), stated she had heard from neighbors that there were two manatees in a pond behind her neighbor's house. At 1354 hrs, the complainant sent WDG photos of the pond and at least one manatee.

13 September 2017

At 0927 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12432 was assigned. The complainant, Amy (321-446-9895), stated there were three manatees in a pond behind her house and all were medium-sized. At 0938 hrs, the complainant sent SMW photos and video of at least one manatee.

At 1440 hrs, FWC biologist-Danielle E. Carter (DEC) received a cell phone call regarding multiple manatees stuck in a pond off Crane Creek. No FWC case number was assigned. The complainant, Karen McLaughlin (321-848-8416), stated there were multiple manatees in the pond. DEC informed the complainant that she was aware of the situation. At 1712 hrs, the complainant sent DEC photos and videos of the manatees.

14 September 2017

At 0950 hrs, WDG arrived at the residence to obtain information about the pond and manatees to coordinate a rescue for the following day. At 1505 hrs, WDG contacted University of Florida veterinarian-Mike Walsh (MW) to see if he and his staff would be able to assist with health assessments of the manatees once they were captured, and MW agreed.

15 September 2017

At 0900 hrs, WDG, DEC, SMW, SeaWorld Orlando staff, University of Florida staff, FWC volunteers, and Brevard Zoo staff and volunteers met at 1220 Prospect Ave., Melbourne for a quick briefing before going to the residence. At 1010 hrs, the first land based net set was conducted in which five manatees were initially captured. REC1722 was captured with a hoop net and removed from the net set. The final manatee captured, REC1727, was lactating and released with REC1722 at 1344 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC volunteers: Jesse L. Kessler, Leo Cross, Joe Wolf, Peter Jepeal, Paul Lins, Mary Watson

Rescue Report

REC1724

Sea World: Lorri Braso, Wayne Grinder, Mallorie McCormack
University of Florida: Mike Walsh, Craig Pelton, Alissa Deming, Allison Peterson, Mackenzie
Russell, Laurie Adler
Brevard Zoo staff and volunteers

Edited by:

DJS
GLL
AJG

(Rev: 01/20/2017)

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF7417265/REC1724 Capture ID: _____

Data Recorder: Jesse L. Kessler

Name: BC 766

Date: 15 SEP 2017

ID of its Calf / Mom: _____

Sex: M / F

CAPTURE
 Location: 2217 BIGNOWIA ST
 Latitude: 28.0748139 N
 Longitude: -080.617625 W
 Water Temp: 29.3 °C F

RELEASE
 Location: CRANE CREEK
 Latitude: 28.0747139 N
 Longitude: -080.6176944 W
 Water Temp: 27.8 °C F

TIMES
 Initial Pursuit: 1125
 Net Set: 1125
 Captured(Onboard): 1131
 On Beach: 1131
 Released: 1226

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 36.7 °C F Wind: 4.5 mph NE Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|------------------|
| | <u>882</u> kg (<u>EST</u>) | | |
| Lengths | Total Length (curvilinear) (cm) | <u>356</u> | |
| | Total Length (straight) | <u>323</u> | |
| | Snout to Peduncle | <u>225</u> | |
| | Snout to Anus | <u>182</u> | |
| | Snout to Umbilicus | <u>99</u> | |
| Girths | Girth at Peduncle: <u>(actual)</u> or 1/2 | Ultrasound Loc: <u>140</u> cm | Belt Loc: in |
| | Girth at Anus: <u>(actual)</u> or 1/2 | <u>188</u> | |
| | Girth at Umbilicus: <u>(actual)</u> or 1/2 | <u>269</u> | |
| | Girth at Axilla: <u>(actual)</u> or 1/2 | <u>189</u> | |

| ULTRASOUND | Reader Name: | | | |
|------------------------------|---------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>3</u> | 4 | 5 |
|---------------------------------|----------------|---|---|--------------------------|----------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | / Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | / Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>CRAIG PELTON, DVM</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> | Describe: |
|----------------|--------------------------|-----------|
| Lactating? | <u>Y / (N)</u> | |

| MONITORING | Heartrate: Stethoscope EKG Doppler None <u>Hrm</u> | Data Sheets? <u>(Y) N</u> |
|--------------------------------|--|---------------------------|
| Temperature: <u>Oral</u> | Naso-pharyngeal Rectal None | <u>(Y) N</u> |
| Respiratory Rate? <u>(Y) N</u> | | <u>(Y) N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWFTM17265f
R221724

Capture ID

Date: 15 SEP 2017

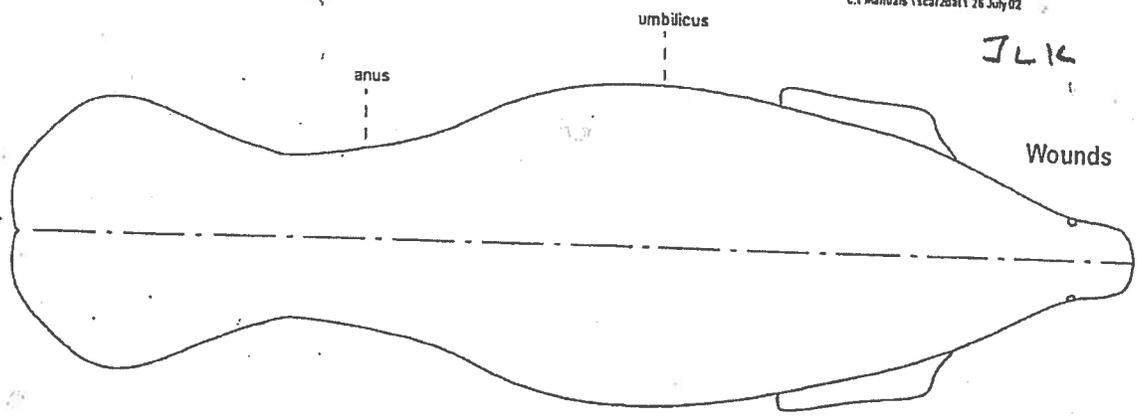
| | | | | |
|--------------------|--|--|--|----------------|
| BLOOD | Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: DR. ALLISON PETERSON | | <input checked="" type="radio"/> L / <input type="radio"/> R | 30 |
| | | | L / R | |
| SAMPLES | Milk? Y / <input checked="" type="radio"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / <input checked="" type="radio"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? <input checked="" type="radio"/> Y / <input type="radio"/> N | <input checked="" type="radio"/> Freeze / EtOH | | |
| | Skin Scraping? Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / <input checked="" type="radio"/> N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N | | |
| | PIT tagged by: | SARA M. WAPPES | | |
| | Right # | Ø Ø - Ø 7 1 E - 3 C A Ø | | |
| | Left # | Ø Ø - Ø 7 2 A - 9 Ø C 4 | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / <input type="radio"/> N Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | JESSE L. KESSLER / SARA M. WAPPES | | |
| | Exposures: | FWL025_2017-08-15_3259-3263, 3273(cont) | | |
| SKETCHES | Sketched by: | JESSE L. KESSLER | | |
| COMMENTS | <p>EXPOSURES CONT: FWL025_2017-08-15_3277-3282, 3285-3287</p> <p>WEIGHT ESTIMATED FROM MMPL ALGORITHM</p> <p>NEW MIPS ID ASSIGNED BY CATHY BECK (USGS)</p> <p>ENVIRONMENTAL DATA TAKEN AT APPROXIMATELY 1720 HRS</p> | | | |

Date 15 SEP 2017

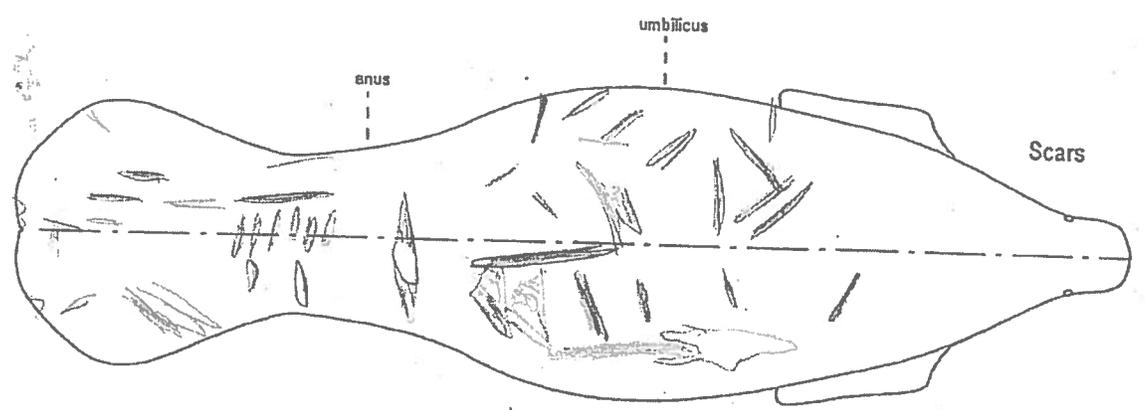
Field I.D. SWF 7m 17265/
REC 1724

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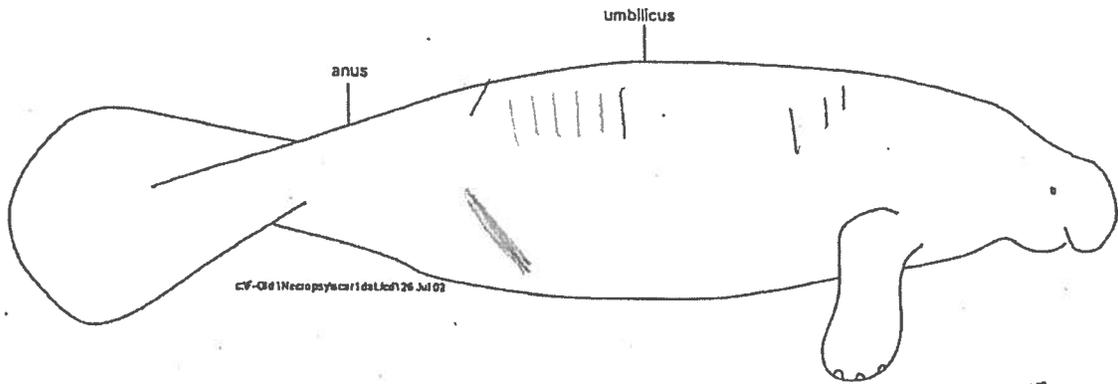
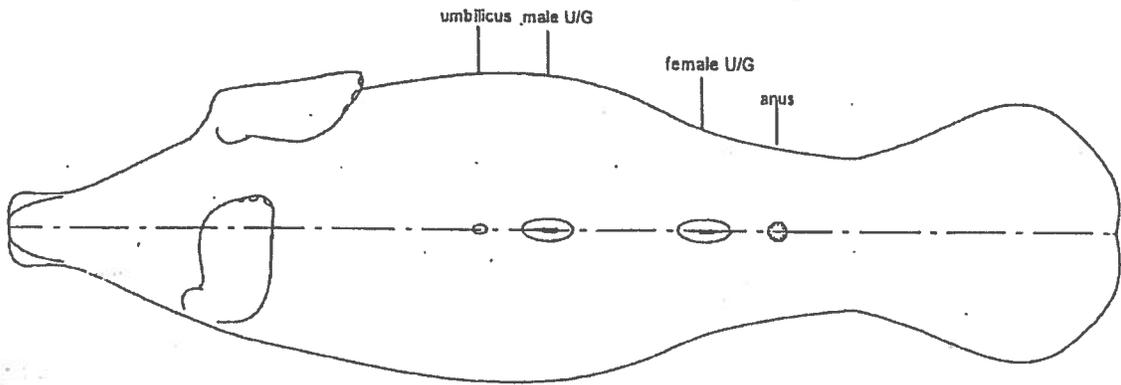
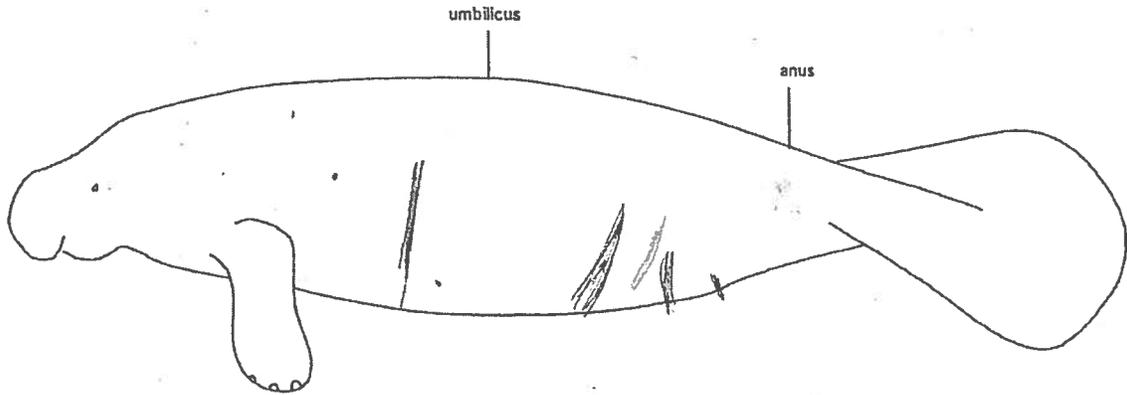
JLK



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



SWI 7m 17265/
FIELD I.D. PEZ 1724



Rescue Report

REC1725

Entrapment Human

GENERAL

Date of Rescue: 15 September 2017 Date of Initial Call: 11 September 2017 Filed by: W. Greer

Rescue ID: REC1725 Facility ID: SWFTm1727b Other ID:

FWC Case Number: 12341, 12361, 12432 FWC Region: NE

Sex: Female Length: 284 cm Estimated: No Weight: 435 kg Estimated: Yes

PIT Tag Present: No PIT Tag Applied: Yes R: 00-071D-FE36 L: 00-071E-30AE

State: Florida County: Brevard City: Melbourne Waterway: Crane Creek

Latitude (Decimal Degrees): 28.07482° N Longitude (Decimal Degrees): -080.61761° W

Locality Description: Approximately 40 m SE of 2217 Bignonia Street

Method of Capture or Assistance: Land Based: Net Set (Other: _____)

(Hurricane Irma)

REASON FOR RESCUE

Check one of the following:

- Watercraft Entanglement Entrapment (Human)
- Cold Stress Red Tide Tidally Stranded
- Orphan Other: (Specify): _____

Entrapment-Human Related

Describe: During Hurricane Irma, water level rose and gave six manatees access to a residential pond. When the water level returned to normal, the manatees became trapped in the pond.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-15_3264 through 3272, 3274 through 3276, 3283 through 3284, 3288 through 3290 | |

HISTORY

| Date | Narrative |
|-------------------|---|
| 11 September 2017 | At 1025 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding multiple manatees stuck in a pond behind a residence off Crane Creek in Melbourne, Brevard County. FWC |

Rescue Report

REC1725

case number 12341 was assigned. The complainant, Casey (321-759-7123), stated there were four to five manatees, including one calf, in a pond behind his neighbor's house. He stated they all looked fine and no injuries were seen. He was unable to get photos. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation and both agreed that they could wait until state offices officially opened back up after the storm.

At 1321 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12361 was assigned. The complainant, Lauren Bates (540-207-4590), stated she had heard from neighbors that there were two manatees in a pond behind her neighbor's house. At 1354 hrs, the complainant sent WDG photos of the pond and at least one manatee.

13 September 2017

At 0927 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12432 was assigned. The complainant, Amy (321-446-9895), stated there were three manatees in a pond behind her house and all were medium-sized. At 0938 hrs, the complainant sent SMW photos and video of at least one manatee.

At 1440 hrs, FWC biologist-Danielle E. Carter (DEC) received a cell phone call regarding multiple manatees stuck in a pond off Crane Creek. No FWC case number was assigned. The complainant, Karen McLaughlin (321-848-8416), stated there were multiple manatees in the pond. DEC informed the complainant that she was aware of the situation. At 1712 hrs, the complainant sent DEC photos and videos of the manatees.

14 September 2017

At 0950 hrs, WDG arrived at the residence to obtain information about the pond and manatees to coordinate a rescue for the following day. At 1505 hrs, WDG contacted University of Florida veterinarian-Mike Walsh (MW) to see if he and his staff would be able to assist with health assessments of the manatees once they were captured, and MW agreed.

15 September 2017

At 0900 hrs, WDG, DEC, SMW, SeaWorld Orlando staff, University of Florida staff, FWC volunteers, and Brevard Zoo staff and volunteers met at 1220 Prospect Ave., Melbourne for a quick briefing before going to the residence. At 1010 hrs, the first land based net set was conducted in which five manatees were initially captured. REC1722 was captured with a hoop net and removed from the net set. The final manatee captured, REC1727, was lactating and released with REC1722 at 1344 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC volunteers: Jesse L. Kessler, Leo Cross, Joe Wolf, Peter Jepeal, Paul Lins, Mary Watson

Rescue Report

REC1725

Sea World: Lorri Braso, Wayne Grinder, Mallorie McCormack
University of Florida: Mike Walsh, Craig Pelton, Alissa Deming, Allison Peterson, Mackenzie
Russell, Laurie Adler
Brevard Zoo staff and volunteers

Edited by:

DJS
GLL
AJG

(Rev: 01/20/2017)

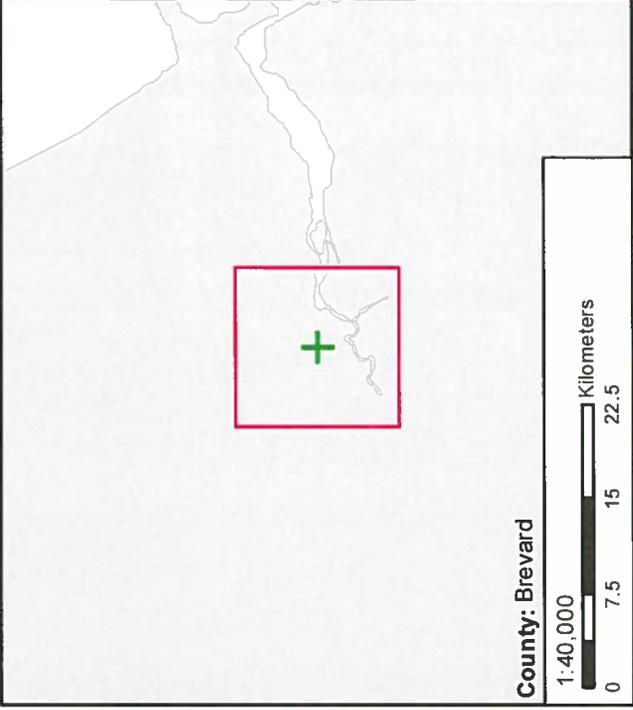


Verified Response Location of Manatee Rescue REC1725

Rescue Date: 9/15/2017

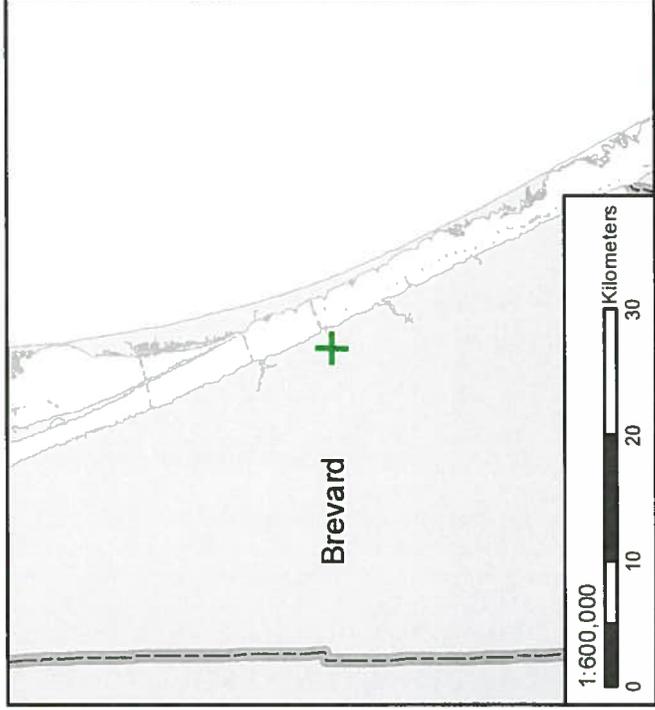
Facility ID: SWFTm1727b

Map Created 2/7/2018



County: Brevard

1:40,000



Locality Description:
approximately 40 m SE of 2217 Bignonia Street

Latitude: 28.07482°N

Longitude: -80.61761°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF7m1727b/REC1725 Capture ID: _____

Data Recorder: DANIELLE E. CARTER / LORRI BRASS

Name: _____ Date: 15 SEP 2017

ID of its Calf / Mom: _____ Sex: M / (F)

TIMES

Initial Pursuit: 1125
 Net Set: 1125
 Captured (Onboard): 1138
 On Beach: 1138
 Released: 1232

CAPTURE
 Location: 2217 BIGNONIA ST
 Latitude: 28.0748139 N
 Longitude: -080.617625 W
 Water Temp: 29.3 (C) F

RELEASE
 Location: CRANE CREEK
 Latitude: 28.0747139 N
 Longitude: -080.6176944 W
 Water Temp: 27.8 (C) F

EVENT: _____ Capture X Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Workup Site: Air Temp = 36.7 (C) F Wind: 4.5 mph NE Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| | <u>435 kg (EST)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>300</u> | |
| | Total Length (straight) | <u>284</u> | |
| | Snout to Peduncle | <u>198</u> | |
| | Snout to Anus | <u>180</u> | |
| | Snout to Umbilicus | <u>103</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>103</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>145</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>205</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>159</u> | |

| ULTRASOUND | Reader Name: _____ | | | | |
|------------------------------|--------------------|---------------|-----------|----------|----------|
| | Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>3</u> | 4 | 5 |
|---------------------------------|----------------|---|---|-----------------------|--------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>DR. MIKE WALSH</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: |
|----------------|------------------------------------|
| Lactating? | <u>Y / (N)</u> |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>(None)</u> | Data Sheets? <u>Y (N)</u> |
|--|--|---------------------------|
| Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> | | <u>Y (N)</u> |
| Respiratory Rate? <u>(Y) N</u> <u>6 PER 5 MIN</u> | | <u>(Y) N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWFT 17275 / REC 1725

Capture ID

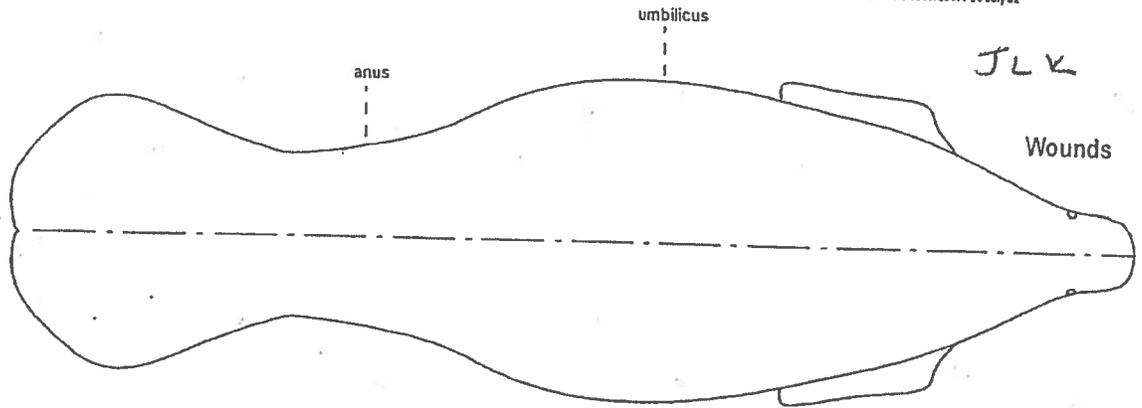
Date: 15 SEP 2017

| | | | | |
|--------------------|---|--|--|----------------|
| BLOOD | Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: <u>DR. PELTON</u> | | <input checked="" type="radio"/> L / <input type="radio"/> R | <u>30</u> |
| | | | <input type="radio"/> L / <input type="radio"/> R | |
| SAMPLES | Milk? <input type="radio"/> Y / <input checked="" type="radio"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? <input type="radio"/> Y / <input checked="" type="radio"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? <input type="radio"/> Y / <input checked="" type="radio"/> N | Freeze / EtOH | | |
| | Skin Scraping? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? <input type="radio"/> Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? <input type="radio"/> Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N | | |
| | PIT tagged by: | <u>DANIELLE E. CALTER</u> | | |
| | Right # | <u>00-0710-FE36</u> | | |
| | Left # | <u>00-071E-30AE</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>JESSE L. KESSLER / SARA M. WAPPE</u> | | |
| | Exposures: | <u>FWC025_2017-09-15_3264-3272, 3274-76 (cont)</u> | | |
| SKETCHES | Sketched by: | <u>JESSE L. KESSLER</u> | | |
| COMMENTS | <u>EXPOSURES CONT: FWC025_2017-09-15_3283-3284, 3288-3290</u> | | | |
| | <u>WEIGHT ESTIMATE FROM MMPLE ALGORITHM.</u> | | | |
| | <u>ENVIRONMENTAL DATA TAKEN AT APPROXIMATELY 1420 HRS</u> | | | |

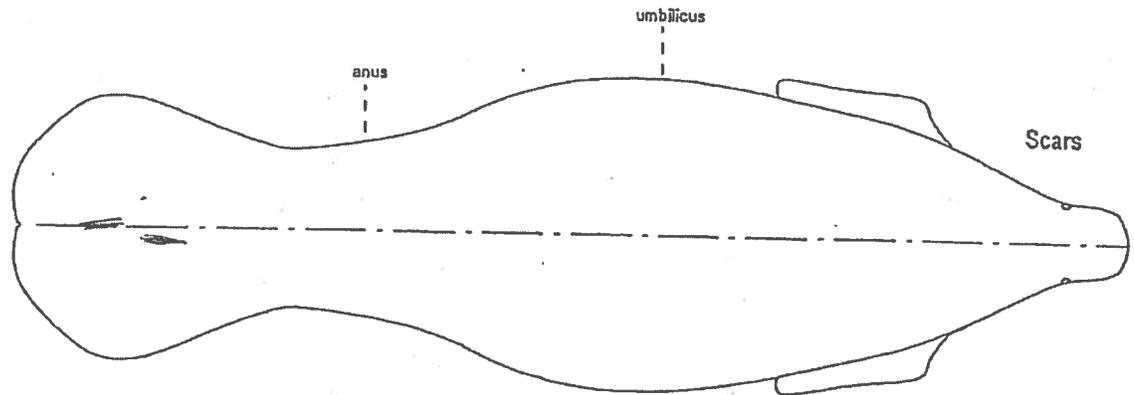
Date 15 SEP 2017

Field I.D. SWFT.m17 2761
REC 1725

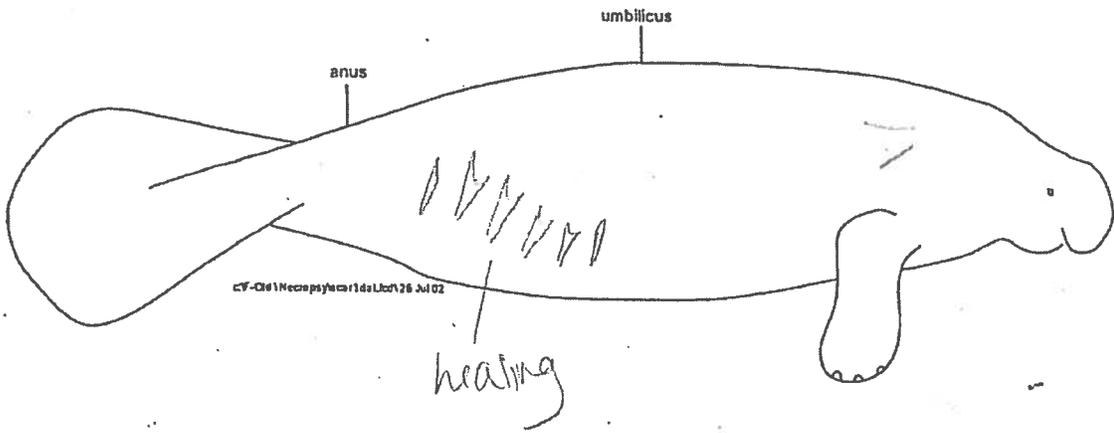
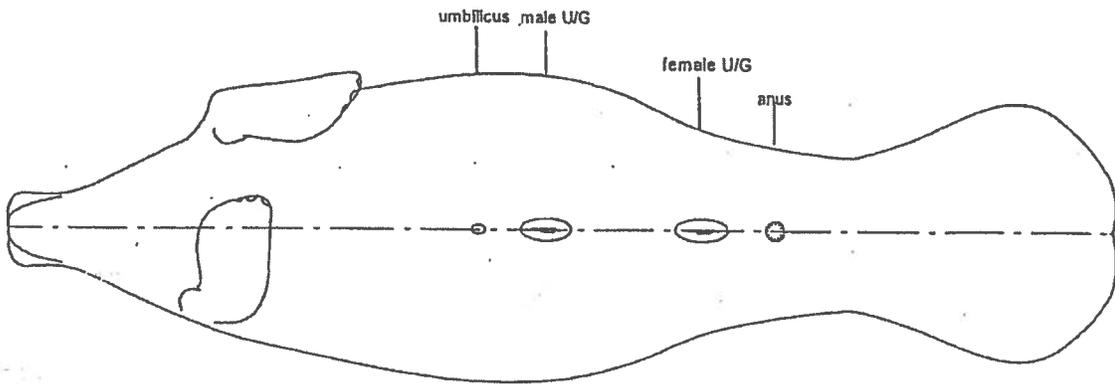
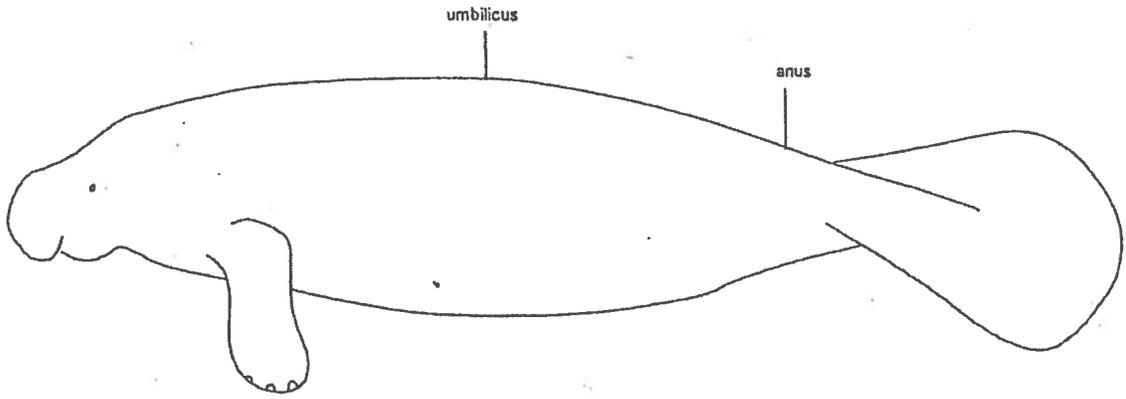
ct Manual Scar Dat 1 26 July 02



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SWFTm 1727b1
REC 1725



Asst. + Rel

Rescue Report

REC1726

Entrapment
Human
(Hurricane
Irma)

GENERAL

Date of Rescue: 15 September 2017 Date of Initial Call: 11 September 2017 Filed by: W. Greer
 Rescue ID: REC1726 Facility ID: SWFTm1728b Other ID:
 FWC Case Number: 12341, 12361, 12432 FWC Region: NE
 Sex: Female Length: 251 cm Estimated: No Weight: 271 kg Estimated: Yes
 PIT Tag Present: No PIT Tag Applied: Yes R: 00-07AC-6CB8 L: 00-06FB-86PE
 State: Florida County: Brevard City: Melbourne Waterway: Crane Creek
 Latitude (Decimal Degrees): 28.07482° N Longitude (Decimal Degrees): -80.61761° W
 Locality Description: Approximately 40 m SE of 2217 Bignonia Street
 Method of Capture or Assistance: Land Based: Net Set (Other: _____)

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

Entrapment-Human Related

Describe: During Hurricane Irma, water level rose and gave six manatees access to a residential pond. When the water level returned to normal, the manatees became trapped in the pond.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-15_3291 through 3298 | |

HISTORY

| Date | Narrative |
|-------------------|--|
| 11 September 2017 | At 1025 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding multiple manatees stuck in a pond behind a residence off Crane Creek in Melbourne, Brevard County. FWC case number 12341 was assigned. The complainant, Casey (321-759-7123), |

Rescue Report

REC1726

stated there were four to five manatees, including one calf, in a pond behind his neighbor's house. He stated they all looked fine and no injuries were seen. He was unable to get photos. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation and both agreed that they could wait until state offices officially opened back up after the storm.

At 1321 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12361 was assigned. The complainant, Lauren Bates (540-207-4590), stated she had heard from neighbors that there were two manatees in a pond behind her neighbor's house. At 1354 hrs, the complainant sent WDG photos of the pond and at least one manatee.

13 September 2017

At 0927 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12432 was assigned. The complainant, Amy (321-446-9895), stated there were three manatees in a pond behind her house and all were medium-sized. At 0938 hrs, the complainant sent SMW photos and video of at least one manatee.

At 1440 hrs, FWC biologist-Danielle E. Carter (DEC) received a cell phone call regarding multiple manatees stuck in a pond off Crane Creek. No FWC case number was assigned. The complainant, Karen McLaughlin (321-848-8416), stated there were multiple manatees in the pond. DEC informed the complainant that she was aware of the situation. At 1712 hrs, the complainant sent DEC photos and videos of the manatees.

14 September 2017

At 0950 hrs, WDG arrived at the residence to obtain information about the pond and manatees to coordinate a rescue for the following day. At 1505 hrs, WDG contacted University of Florida veterinarian-Mike Walsh (MW) to see if he and his staff would be able to assist with health assessments of the manatees once they were captured, and MW agreed.

15 September 2017

At 0900 hrs, WDG, DEC, SMW, SeaWorld Orlando staff, University of Florida staff, FWC volunteers, and Brevard Zoo staff and volunteers met at 1220 Prospect Ave., Melbourne for a quick briefing before going to the residence. At 1010 hrs, the first land based net set was conducted in which five manatees were initially captured. REC1722 was captured with a hoop net and removed from the net set. The final manatee captured, REC1727, was lactating and released with REC1722 at 1344 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC volunteers: Jesse L. Kessler, Leo Cross, Joe Wolf, Peter Jepeal, Paul Lins, Mary Watson

Sea World: Lorri Braso, Wayne Grinder, Mallorie McCormack

Rescue Report

REC1726

University of Florida: Mike Walsh, Craig Pelton, Alissa Deming, Allison Peterson, Mackenzie Russell, Laurie Adler
Brevard Zoo staff and volunteers

Edited by:

DJS
GLL
AJG

(Rev: 01/20/2017)

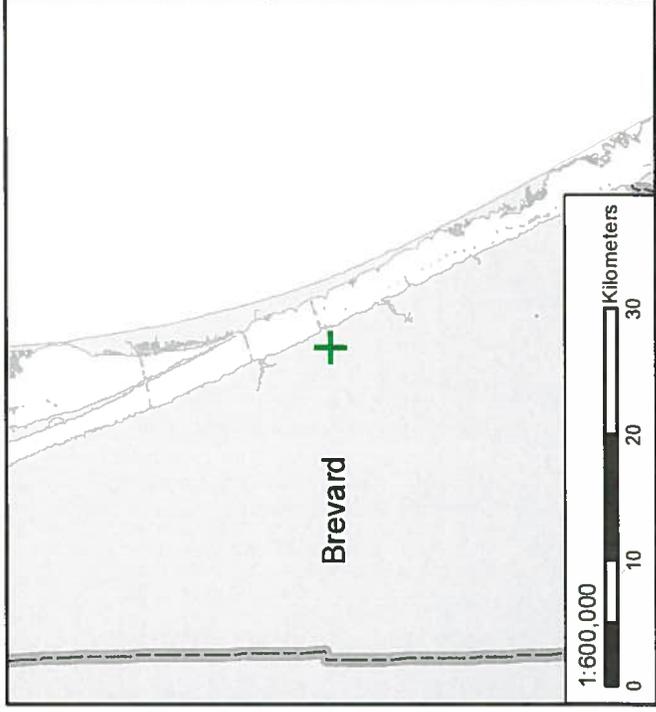
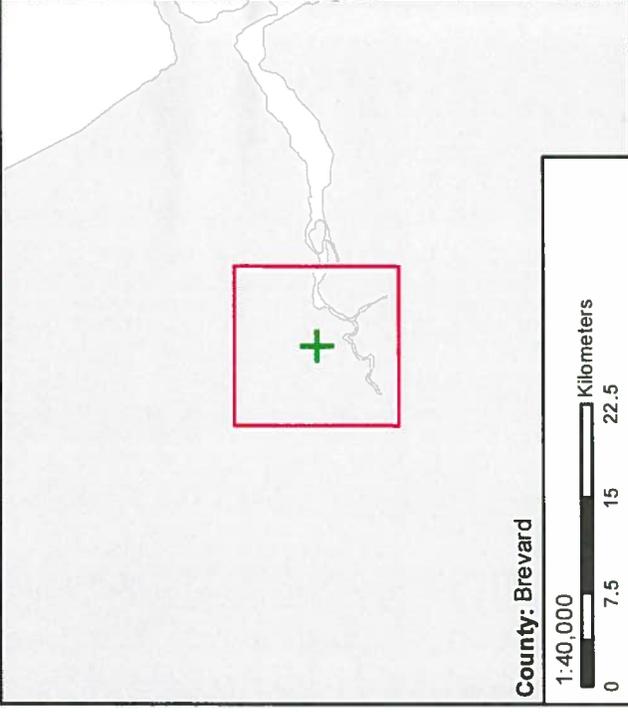


Verified Response Location of Manatee Rescue REC1726

Rescue Date: 9/15/2017

Facility ID: SWFTm1728b

Map Created 2/7/2018



Locality Description:

approximately 40 m SE of 2217 Bignonia Street

Latitude: 28.07482°N

Longitude: -80.61761°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTM17284/REC1726 Capture ID: _____

Data Recorder: JESSE L. KESSLER

Name: _____ Date: 15 SEP 2017

ID of its Calf / Mom: _____ Sex: M / (F)

CAPTURE
 Location: 2217 BIGNONIA ST
 Latitude: 28.0748139 N
 Longitude: -080.617625 W
 Water Temp: 29.3 (C) F

RELEASE
 Location: CRANE CREEK
 Latitude: 28.0747139 N
 Longitude: -080.6176944 W
 Water Temp: 27.8 (C) F

TIMES
 Initial Pursuit: 1238
 Net Set: 1238
 Captured(Onboard): 1243
 On Beach: 1243
 Released: 1344

EVENT: ___ Capture X Rescue ___ Pre-release Assess. ___ Release ___ Post-release Assess.

Workup Site: Air Temp = 36.7 (C) F Wind: 4.5 mph NE Cloud Cover: S (PC) MC O R

| | | | |
|----------------------|---|------------------------------|------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>271 kg (EST)</u> | Manatee + stretcher | Stretcher weight |
| Lengths | Total Length (curvilinear) (cm) | <u>265</u> | |
| | Total Length (straight) | <u>251</u> | |
| | Snout to Peduncle | <u>135</u> | |
| | Snout to Anus | <u>166</u> | |
| | Snout to Umbilicus | <u>101</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>90</u> cm | Belt Loc: in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>122</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>172</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>136</u> | |

| | | | | |
|------------------------------|--------------------|-----------|----------|----------|
| ULTRASOUND | Reader Name: _____ | | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | |
|------------------------------------|---|
| CONDITION | Body Score: 1 2 <u>(3)</u> 4 5 |
| Health Concerns? | <u>Y / (N)</u> (If yes, describe in comments) |
| Peanut shaped head? <u>Y / (N)</u> | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | <u>Rounded</u> / Flat / Concave |
| Ventrum: | <u>Rounded</u> / Flat / Concave / Ventral Folds |
| Fresh Wounds or Lesions: | <u>Y / (N)</u> (If yes, describe in comments) |
| Person(s) assessing condition: | <u>CLAUDE PELTON, DVM</u> |
| Clinical Assessment Data Sheet? | <u>Y / N</u> |

| | |
|-----------------------|--|
| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: _____ |
| | Lactating? <u>Y / (N)</u> |

| | |
|-------------------|--|
| MONITORING | Heartrate: <u>Stethoscope</u> EKG Doppler None <u>HRM</u> Data Sheets? <u>Y (N)</u> |
| | Temperature: <u>Oral</u> Naso-pharyngeal Rectal None <u>(Y) N</u> |
| | Respiratory Rate? <u>(Y) N</u> <u>(Y) N</u> |

| | |
|---------------------|--|
| FREEZE BRAND | Letters/Numbers applied: _____ Applied by: _____ |
| | Location(s): _____ |

Manatee ID: SWFTM 17286/
R9C1726

Capture ID

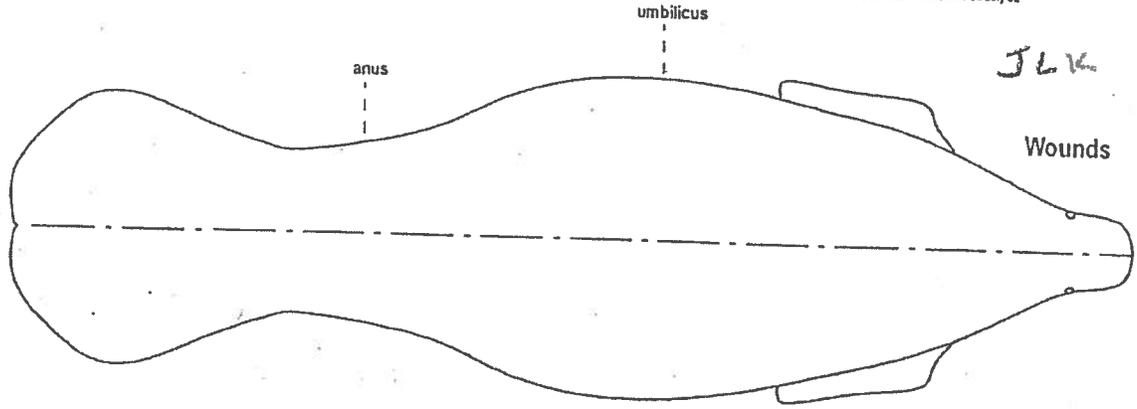
Date: 15 SEP 2017

| | | | | |
|--|---|--|--|----------------|
| BLOOD | Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: CRAIG PELTON, DVM DR. ALLISON PETERSON | | <input checked="" type="radio"/> L / <input type="radio"/> R L / <input checked="" type="radio"/> R | 15 15 |
| SAMPLES | Milk? <input type="radio"/> Y / <input checked="" type="radio"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? <input type="radio"/> Y / <input checked="" type="radio"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? <input checked="" type="radio"/> Y / <input type="radio"/> N | <input checked="" type="radio"/> Freeze / EtOH | | |
| | Skin Scraping? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? <input type="radio"/> Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? <input type="radio"/> Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N | | |
| | PIT tagged by: | CRAIG PELTON AND ALLISON PETERSON | | |
| | Right # | Ø Ø - Ø 7 A C - 6 C B B | | |
| | Left # | Ø Ø - Ø 6 F B - 8 6 9 E | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / <input type="radio"/> N Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | JESSE L. KESSLER | | |
| | Exposures: | FWC025-2017-09-15 3291-3298 | | |
| SKETCHES | Sketched by: | JESSE L. KESSLER | | |
| COMMENTS | | | | |
| WEIGHT ESTIMATE FROM MMPL ALGORITHM. | | | | |
| ENVIRONMENTAL DATA TAKEN AT APPROXIMATELY 1420 HRS | | | | |

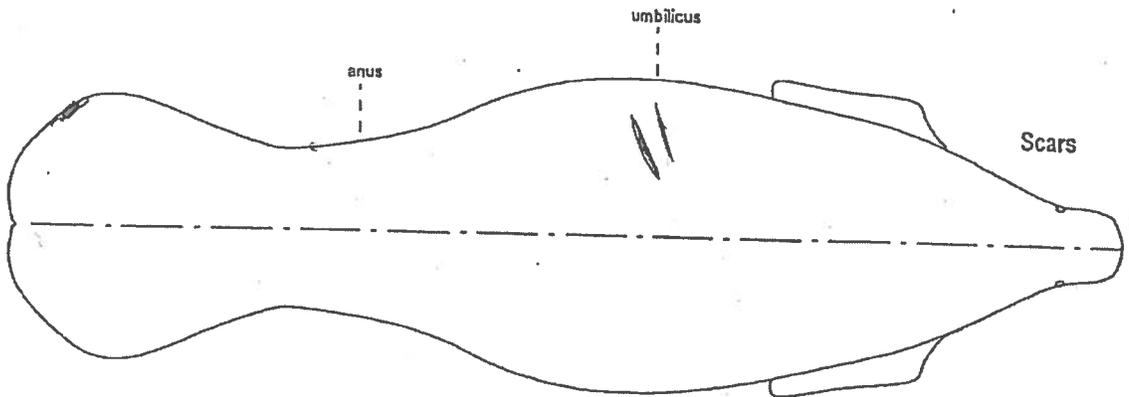
Date _____

SWF7m17286/
Field I.D. Rec 1726

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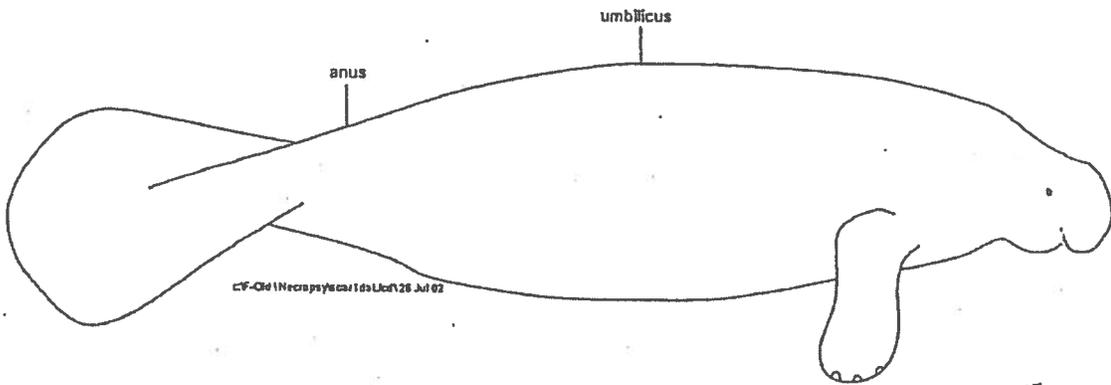
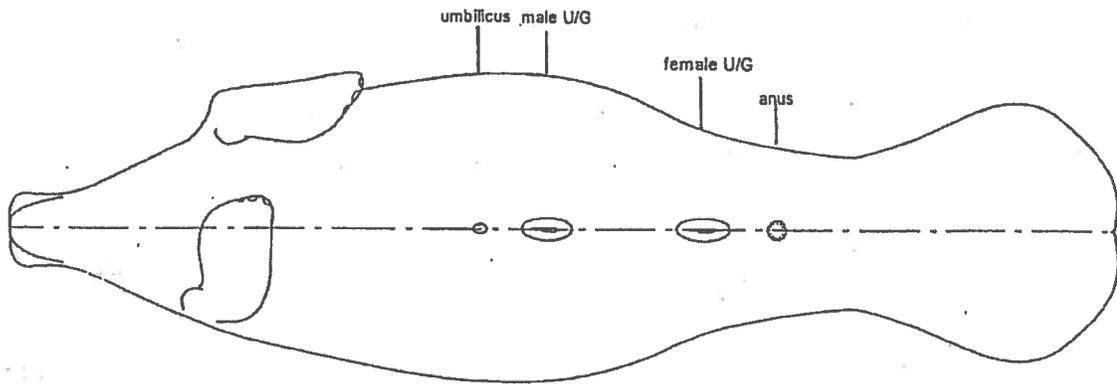
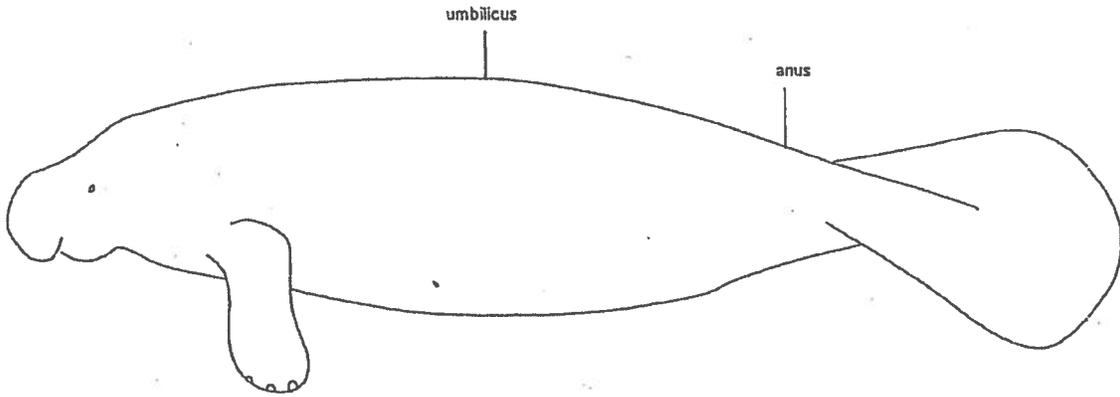
| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D.

SWF 7-1728b/
REC 1726

/



Rescue Report

REC1727

GENERAL

| | | | | |
|---|---|--------------------|-----------------------|----------------|
| Date of Rescue: 15 September 2017 | Date of Initial Call: 11 September 2017 | Filed by: W. Greer | | |
| Rescue ID: REC1727 | Facility ID: SWFTm1729b | Other ID: RB716 | | |
| FWC Case Number: 12341, 12361, 12432 | FWC Region: NE | | | |
| Sex: Female | Length: 324 cm | Estimated: No | Weight: 781 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-071E-5506 | L: 00-071E-523B | |
| State: Florida | County: Brevard | City: Melbourne | Waterway: Crane Creek | |
| Latitude (Decimal Degrees): 28.07482° N | Longitude (Decimal Degrees): -80.61761° W | | | |
| Locality Description: Approximately 40 m SE of 2217 Bignonia Street | | | | |
| Method of Capture or Assistance: Land Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

- | | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input checked="" type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entrapment-Human Related

Describe: During Hurricane Irma, water level rose and gave six manatees access to a residential pond. When the water level returned to normal, the manatees became trapped in the pond.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-15_3299 through 3321, 3339 through 3340 | |

HISTORY

| Date | Narrative |
|-------------------|--|
| 11 September 2017 | At 1025 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding multiple manatees stuck in a pond behind a residence off Crane Creek in Melbourne, Brevard County. FWC case number 12341 was assigned. The complainant, Casey (321-759-7123), |

stated there were four to five manatees, including one calf, in a pond behind his neighbor's house. He stated they all looked fine and no injuries were seen. He was unable to get photos. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation and both agreed that they could wait until state offices officially opened back up after the storm.

At 1321 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12361 was assigned. The complainant, Lauren Bates (540-207-4590), stated she had heard from neighbors that there were two manatees in a pond behind her neighbor's house. At 1354 hrs, the complainant sent WDG photos of the pond and at least one manatee.

13 September 2017

At 0927 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding multiple manatees stuck in a pond behind a residence off Crane Creek. FWC case number 12432 was assigned. The complainant, Amy (321-446-9895), stated there were three manatees in a pond behind her house and all were medium-sized. At 0938 hrs, the complainant sent SMW photos and video of at least one manatee.

At 1440 hrs, FWC biologist-Danielle E. Carter (DEC) received a cell phone call regarding multiple manatees stuck in a pond off Crane Creek. No FWC case number was assigned. The complainant, Karen McLaughlin (321-848-8416), stated there were multiple manatees in the pond. DEC informed the complainant that she was aware of the situation. At 1712 hrs, the complainant sent DEC photos and videos of the manatees.

14 September 2017

At 0950 hrs, WDG arrived at the residence to obtain information about the pond and manatees to coordinate a rescue for the following day. At 1505 hrs, WDG contacted University of Florida veterinarian-Mike Walsh (MW) to see if he and his staff would be able to assist with health assessments of the manatees once they were captured, and MW agreed.

15 September 2017

At 0900 hrs, WDG, DEC, SMW, SeaWorld Orlando staff, University of Florida staff, FWC volunteers, and Brevard Zoo staff and volunteers met at 1220 Prospect Ave., Melbourne for a quick briefing before going to the residence. At 1010 hrs, the first land based net set was conducted in which five manatees were initially captured. REC1722 was captured with a hoop net and removed from the net set. The final manatee captured, REC1727, was lactating and released with REC1722 at 1344 hrs.

PARTICIPANTS

FWC EC: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC volunteers: Jesse L. Kessler, Leo Cross, Joe Wolf, Peter Jepeal, Paul Lins, Mary Watson

Sea World: Lorri Braso, Wayne Grinder, Mallorie McCormack

Rescue Report

REC1727

University of Florida: Mike Walsh, Craig Pelton, Alissa Deming, Allison Peterson, Mackenzie Russell, Laurie Adler
Brevard Zoo staff and volunteers

Edited by:

DJS
GLL
AJG

(Rev: 01/20/2017)

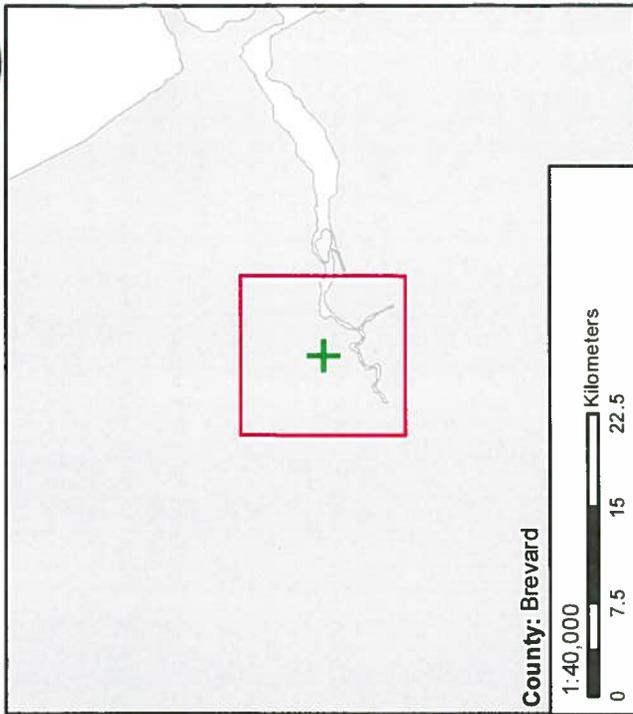


Verified Response Location of Manatee Rescue REC1727

Map Created 2/7/2018

Facility ID: SWFTm1729b

Rescue Date: 9/15/2017



Locality Description:
approximately 40 m SE of 2217 Bignonia Street

Latitude: 28.07482°N

Longitude: -80.61761°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTM1729b/REC1727 Capture ID: _____

Data Recorder: DANIELA E. CARTER
JESSA L. KASSLER

Name: RB716 Date: 15 SEP 2017

ID of its Calf Mom: SWFTM1724b/REC1722 Sex: M / (F)

| TIMES | |
|--------------------|-------------|
| Initial Pursuit: | <u>1250</u> |
| Net Set: | <u>1250</u> |
| Captured(Onboard): | <u>1302</u> |
| On Beach: | <u>1302</u> |
| Released: | <u>1411</u> |

| CAPTURE | |
|-------------|--------------------------|
| Location: | <u>2217 BIGWONNIA ST</u> |
| Latitude: | <u>28.0748139</u> N |
| Longitude: | <u>-080.617625</u> W |
| Water Temp: | <u>29.3</u> (C) F |

| RELEASE | |
|-------------|-----------------------|
| Location: | <u>CRANE CREEK</u> |
| Latitude: | <u>28.0747139</u> N |
| Longitude: | <u>-080.6176944</u> W |
| Water Temp: | <u>27.8</u> (C) F |

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
Workup Site: Air Temp = 36.7 (C) F Wind: 4.5 mph NE Cloud Cover: S MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------------|
| | <u>781 kg (EST)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>359</u> | |
| | Total Length (straight) | <u>324</u> | |
| | Snout to Peduncle | <u>233</u> | |
| | Snout to Anus | <u>215</u> | |
| | Snout to Umbilicus | <u>98</u> | |
| Girths | Girth at Peduncle: <u>(actual)</u> or 1/2 | Ultrasound Loc: <u>129</u> cm | Belt Loc: <u> </u> in |
| | Girth at Anus: <u>(actual)</u> or 1/2 | <u>162</u> | |
| | Girth at Umbilicus: <u>(actual)</u> or 1/2 | <u>251</u> | |
| | Girth at Axilla: <u>(actual)</u> or 1/2 | <u>199</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | 3 | <u>4</u> | 5 |
|---------------------------------|----------------|---|---|-----------------------|----------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | / Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | / Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>DR. MIKE WALSH</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> | Describe: |
|----------------|--------------------------|-----------|
| Lactating? | <u>(Y) / N</u> | |

| MONITORING | Heartrate: <u>Stethoscope</u> | EKG | Doppler | None <u>59-66 BPM</u> | Data Sheets? <u>(Y) N</u> |
|-------------------|-------------------------------|-------------------------|---------|-----------------------|---------------------------|
| Temperature: | Oral | Naso-pharyngeal | Rectal | <u>(None)</u> | <u>Y (N)</u> |
| Respiratory Rate? | <u>(Y) N</u> | <u>5 to 8 PER 5 MIN</u> | | | <u>(Y) N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWF7217296/
2821737

Capture ID

Date: 15 SEP 2017

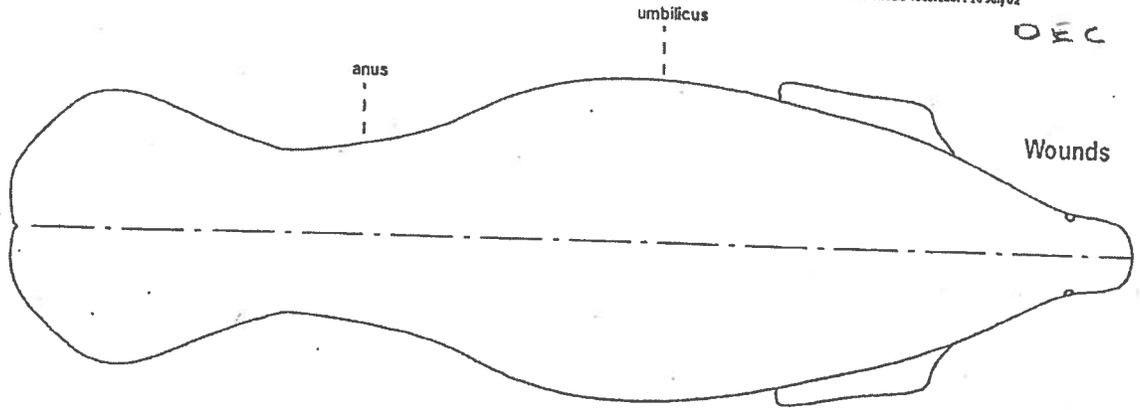
| | | | | |
|---|---|--|--|----------------|
| BLOOD | Collect Blood? <input checked="" type="radio"/> Y / <input type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: DR. WALSH | | <input checked="" type="radio"/> L / <input type="radio"/> R | 30 |
| | | | L / R | |
| SAMPLES | Milk? <input checked="" type="radio"/> Y / <input type="radio"/> N volume: 24 ml | Refrig / <input checked="" type="radio"/> Freeze | | |
| | Urine? <input type="radio"/> Y / <input checked="" type="radio"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? <input checked="" type="radio"/> Y / <input type="radio"/> N | Freeze / EtOH | | |
| | Skin Scraping? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <input type="radio"/> Y / <input checked="" type="radio"/> N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? <input type="radio"/> Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? <input type="radio"/> Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input checked="" type="radio"/> Y / <input type="radio"/> N | | |
| | PIT tagged by: | UF, DR. WALSH | | |
| | Right # | Ø Ø - Ø 7 1 E - 5 5 Ø 6 | | |
| | Left # | Ø Ø - Ø 7 1 E - 5 2 3 B | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | SARA M. WAPPES | | |
| | Exposures: | FWC025 2017-09-15 3299-3321, 3339-3340 | | |
| SKETCHES | Sketched by: | DANIELLE E. CARTER | | |
| COMMENTS | | | | |
| <p>KNOWN ANIMAL FROM 1/10/10 AND 1/5/12 AT THE RIVIERA BEACH POWER PLANT.</p> <p>WEIGHT ESTIMATE FROM MMPL ALGORITHM</p> <p>ENVIRONMENTAL DATA TAKEN AT APPROX. 1420 HRS.</p> | | | | |

Date 15 Sep 2017

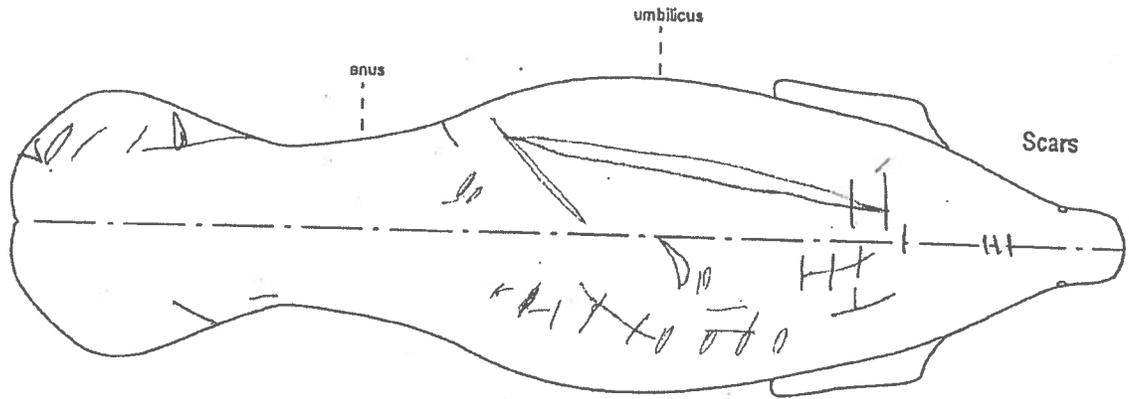
SWF TM 17296/
Field I.D. REC1727

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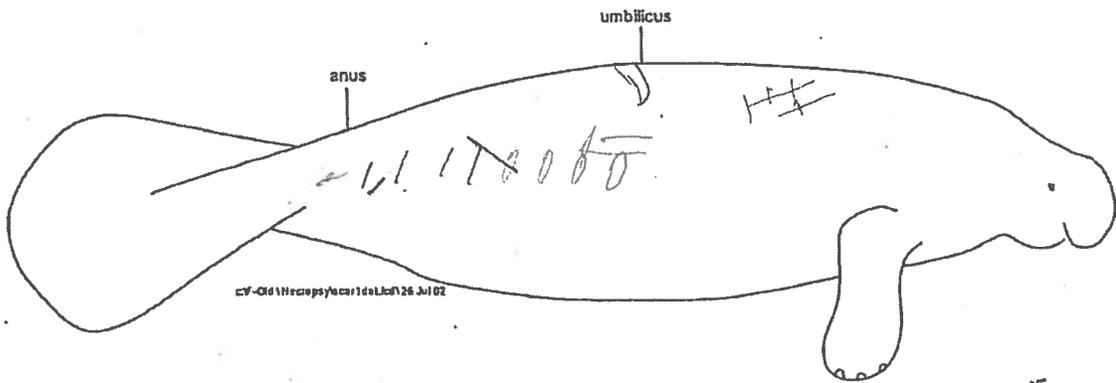
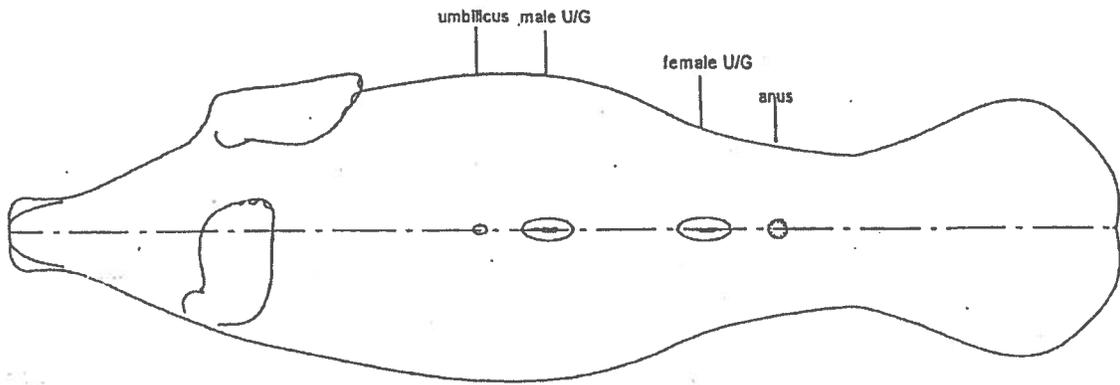
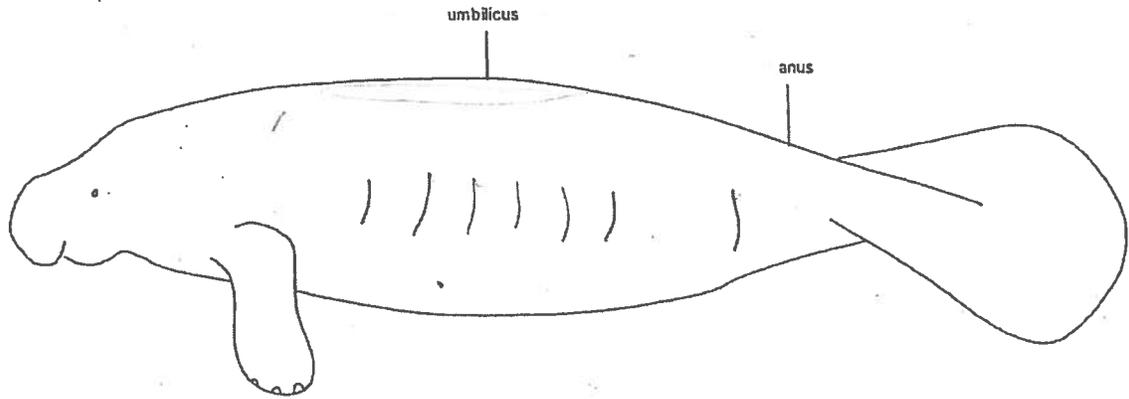
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| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



SWFT. 17296/
 FIELD I.D. REC 077



Rescue Report

REC1728

Entrapment
Human (Lake)
(Hurricane Irma)

GENERAL

Date of Rescue: 22 September 2017 Date of Initial Call: 20 September 2017 Filed by: D. Carter

Rescue ID: REC1728 Facility ID: Other ID:

FWC Case Number: 12917 FWC Region: NE

Sex: Male Length: 224 cm Estimated: No Weight: 295 kg Estimated: Yes

PIT Tag Present: No PIT Tag Applied: Yes R: 00-079A-68CA L: 00-079A-F1F1

State: FL County: Brevard City: Scottsmoor Waterway: Indian River

Latitude (Decimal Degrees): 28.75602° N Longitude (Decimal Degrees): -80.84647° W

Locality Description: Approximately 350 m ENE of 2900 Flounder Creek Rd.

Method of Capture or Assistance: Land Based: Net Set (Other: _____)

REASON FOR RESCUE

Check one of the following:

- Watercraft Entanglement Entrapment (Human)
- Cold Stress Red Tide Tidally Stranded
- Orphan Other: (Specify): _____

Entrapment-Human Related

Describe: Manatee trapped in mosquito control impoundment after Hurricane Irma, no access to other bodies of water

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-09-22_3355 through 3365 | |

HISTORY

| Date | Narrative |
|-------------------|--|
| 20 September 2017 | At 1048 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an entrapped manatee south of the Scottsmoor Landing boat ramp in Scottsmoor, Brevard County. FWC case number 12917 was assigned. The complainant, Jared (386-314-6191), stated |

that the manatee was about five to six feet long and stuck in an enclosed waterway that runs from the boat ramp down to Flounder Creek. The complainant saw the manatee the previous evening but did not take any photos. FWC biologist-William D. Greer (WDG) alerted FWC rescue coordinator-Andrew J. Garrett (AJG) and SeaWorld rescue coordinator-Jon Peterson (JP) of the situation. AJG agreed that the animal needed to be rescued if found and JP offered to take the animal if it needed to go to a rehabilitation facility. WDG and FWC intern-Katie P. Stegemerten (KPS) arrived at the site and searched the area by land and kayak with the help of the property manager-Steve Allen (SA), but the manatee was not located. SA contacted WDG later in the day to inform him that he had found the manatee in the southern edge of the canal, but did not have any way to take a photo.

21 September

At 1045 hrs, DEC, WDG, KPS, FWC biologist-Sara M. Wappes (SMW), and ECFL volunteers arrived at the site and located the animal. Maintenance workers from Brevard County were nearby and used chainsaws to clear a path through the brush for a rescue attempt. Multiple land-based net set rescue attempts were unsuccessful. The animal did not appear to be calf-sized, but closer to subadult size. WDG called AJG and JP with updates and decided to postpone the rescue until the following day.

22 September

At 1100 hrs, DEC, WDG, SMW, KPS, and volunteers arrived at the site. Two net sets were unsuccessful. The third net set was deployed at 1205 hrs, and the manatee was captured at 1225 hrs. The manatee was loaded into the rescue truck where measurements were taken and PIT tags were applied. The animal was transported to the Scottsmoor Landing boat ramp and released at 1318 hrs.

PARTICIPANTS

- FWC EC: Danielle E. Carter, William D. Greer, Sara M. Wappes
- FWC intern: Katie P. Stegemerten
- FWC volunteers: Leo Cross, Joe Wolf, Peter Jepeal
- BZ volunteer: Jim Schmidt

Edited by:

- DJS
- GLL
- AJG

(Rev: 01/20/2017)

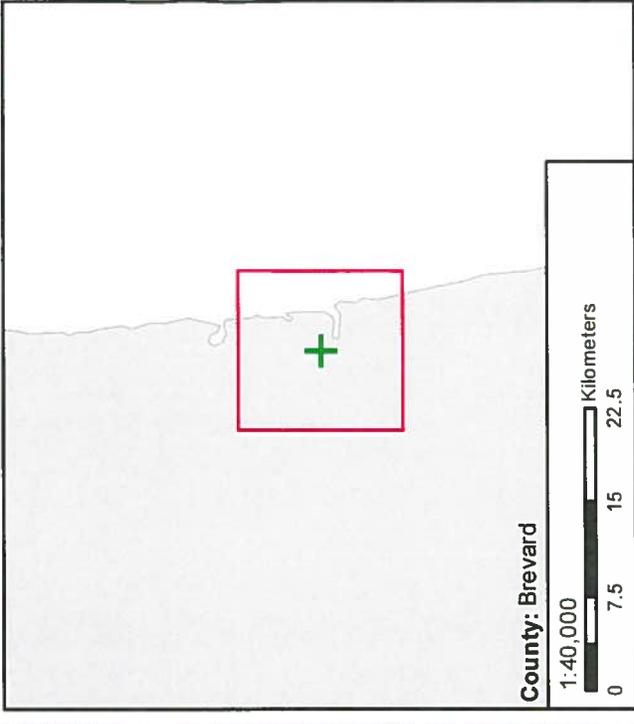


Verified Response Location of Manatee Rescue REC1728

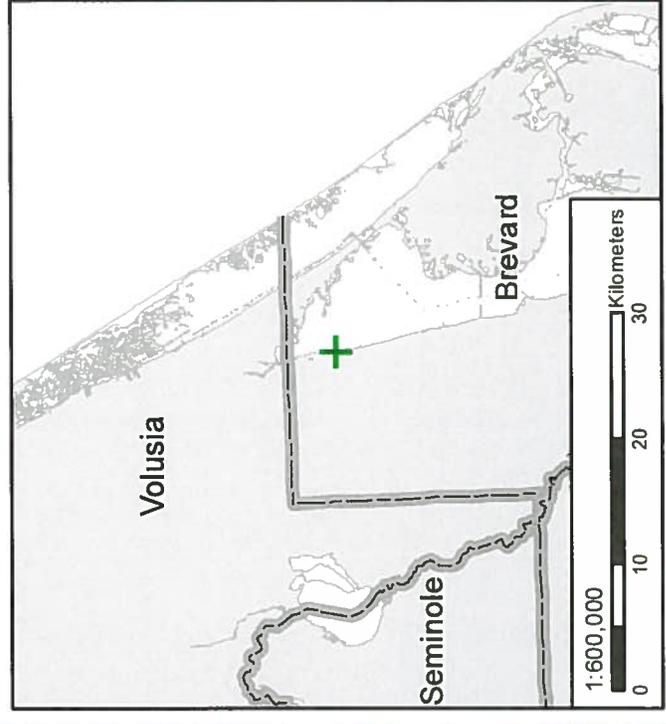
Map Created 2/7/2018

Facility ID: N/A

Rescue Date: 9/22/2017



County: Brevard



Locality Description:
approximately 350 m ENE of 2900 Flounder Creek Road

Latitude: 28.75602°N

Longitude: -80.84647°W

Florida Fish and Wildlife Conservation Commission

(727) 896-8626

West Indian Manatee (*Trichechus manatus*)

Manatee ID: REC1728
 Name: _____
 ID of its Calf / Mom: _____

Capture ID: _____
 Date: 22 SEP 2017
 Sex: (M) / F

Data Recorder: SARA WAPPES

CAPTURE
 Location: Scottsman, FL
 Latitude: 28.755997 N
 Longitude: 080.846450 W
 Water Temp: N/A C F

RELEASE
 Location: Scottsman Landing
 Latitude: 28.770417 N
 Longitude: -080.8458083 W
 Water Temp: N/A C F

TIMES
 Initial Pursuit: 1205
 Net Set: 1205
 Captured (Onboard): 1225
 On Beach: 1227
 Released: 1318

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = _____ C F Wind: _____ mph Cloud Cover: S PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|------------------------------|--------------------|
| | <u>295 kg (651)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>243</u> | |
| | Total Length (straight) | <u>224</u> | |
| | Snout to Peduncle | <u>161</u> | |
| | Snout to Anus | <u>153</u> | |
| | Snout to Umbilicus | <u>96</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>91</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>130</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>161</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>138</u> | |

| ULTRASOUND | Reader Name: | | | |
|------------------------------|---------------|---------------|-----------|----------|
| | Machine Model | Replicate No. | Umbilicus | Anus |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>(3-)</u> | 4 | 5 |
|---------------------------------|-------------|----------------|---|----------------|---|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | | <u>(Y) / N</u> | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | | Rounded / <u>(Flat)</u> / Concave | |
| Ventrum: | | | | | Rounded / <u>(Flat)</u> / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | | <u>William D. Geer</u> | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> | Describe: |
|----------------|--------------------------|---------------------------|
| | | <u>Lactating? Y / (N)</u> |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>(None)</u> | Data Sheets? <u>Y (N)</u> |
|------------|--|---------------------------|
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> | <u>Y (N)</u> |
| | Respiratory Rate? <u>(Y) N</u> | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied-by: |
|--------------|--------------------------|-------------|
| | Location(s): | |

Manatee ID: REC1728

Capture ID

Date: 22 SEP 2017

| | | | | |
|--------------------|---|---|-------------------|-------------------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper L / R | # Tubes |
| | Drawn by: | | L / R | |
| SAMPLES | Milk? Y / N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / N | Freeze / EtOH | | |
| | Skin Scraping? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? Y / N Oral / Rectal | Refrig | | |
| | Other? Y / N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / N | PIT tagged at this capture? <input checked="" type="checkbox"/> Y / N | | |
| | PIT tagged by: | DANIELLE E. CARTER / SARA M. WARRIS | | |
| | Right # | 00-079A-68CA | | |
| | Left # | 00-079A-F1F1 | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ | Length: _____ in. | Color: _____ |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: _____ | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / tcc | Length: _____ ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | | | |
| | Exposures: | | | |
| SKETCHES | Sketched by: | | | |

Entered
Captivity
PIT
22/9/17
DJS

COMMENTS

R: P17 TAG: L:



Entrapped in mosquito control impandment. RELEASE WAS DELAYED
DUE TO INCREMENT WEATHER
NO ENVIRONMENTAL DATA COLLECTED.

From: Garrett, Andy
Sent: Friday, September 22, 2017 2:00 PM
To: (Group)
Subject: RE: rescue alert

REC1728

Scottsmoor:

The 228 cm male manatee entrapped in a Scottsmoor lagoon was captured and released by the FWC in the Indian River (see attached photo). The manatee appeared to be slightly underweight, but otherwise looked healthy.

-Andy

From: Garrett, Andy
Sent: Friday, September 22, 2017 8:55 AM
To: (Group)
Subject: rescue alert

Scottsmoor:

On Wednesday, the FWC-ECFL received a report of an entrapped 4 ft manatee in a lagoon off the Indian River near Scottsmoor Landing (map attached). Staff responded and kayaked the area, but did not locate the manatee. Later in the afternoon, a second report was called in, but due to the time of day, the area was not searched. On Thursday morning, FWC staff located the 6- 8ft manatee in the 3-4 ft deep lagoon and determined that the manatee was entrapped and likely gained access to the system during Hurricane Irma. Unfortunately, the shoreline was not suitable for a capture, so chainsaws were used to clear out a section of vegetation so a land set could be attempted (see attached photo). After two unsuccessful attempts, the rescue was postponed. Another rescue attempt is being organized today.

-Andy



REC1728

Resc / Rel
11/9/17 11/11/18

Rescue Report

REC1729

Entanglement
Crab trap

GENERAL

| | | | | |
|---|--|---|-----------------------|---------------|
| Date of Rescue: 09 November 2017 | Date of Initial Call: 05 November 2017 | Filed by: K. Stegemerten/D. Carter | | |
| Rescue ID: REC1729 | Facility ID: SWFTm1736b | Other ID: Harper Lee | | |
| FWC Case Number: 15429, 15597, 15595, 15611 | | FWC Region: NE | | |
| Sex: Female | Length: 264 cm | Estimated: No | Weight: 327 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Merritt Island | Waterway: Sykes Creek | |
| Latitude (Decimal Degrees): 28.37990° N | | Longitude (Decimal Degrees): -80.69743° W | | |
| Locality Description: Approximately 55 m SSE of 1340 Mercury St. | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|--|---|------------------------|
| Gear Type: (Check all that apply) | | |
| <input checked="" type="checkbox"/> Monofilament Line (secondary) | <input checked="" type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input checked="" type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input checked="" type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input checked="" type="checkbox"/> Other (Specify) purple synthetic fabric | |
| Location of Entanglement: around body (monofilament around base of right flipper) | | |
| If Crab Pot: | | |
| Float#: V-59 | Color: White | Line Type: White nylon |
| Damage from Gear: | | |
| <input type="checkbox"/> No Damage | <input checked="" type="checkbox"/> Abrasions | |
| <input checked="" type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: N/T | |
| Comments: The line from the crab trap was around the body twice and cutting into the epidermis and dermis. At the base of the right flipper there was a single wrap of monofilament that was discovered at the time of rescue. | | |
| Gear Retained? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |

Rescue Report

REC1729

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2017-11-09_3932 through 3976, FWC037_2017-11-08_3920 through 3922. | |

HISTORY

| Date | Narrative |
|-------------------------|--|
| 05 November 2017 | At 1532 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee behind 50 Uranus Ave. in Merritt Island, Brevard County. FWC case number 15429 was assigned. The complainant, Steve Gardener (321-693-8291), stated that the manatee had a white crab pot buoy attached to it by rope. The buoy had the ID "V-S9". DEC called FWC volunteer-Leo Cross (LC) and asked him to check on the manatee. DEC received a photo from the complainant at 1535 hrs. LC arrived at the residence by 1555 hrs and confirmed the manatee was entangled in a crab trap. DEC contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to inform him of the situation. |
| 08 November | At 1246 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee behind 1345 Scorpius Ct. in Merritt Island, Brevard County. FWC case number 15597 was assigned. The complainant, Kristen Black (407-222-0004), stated that the buoy and rope were wrapped around the manatee's head. DEC confirmed that it was the same manatee reported on the 5th. At 1430 hrs, DEC and FWC volunteer-Joe Wolf (JW) arrived at the residence and launched kayaks. At 1515 hrs, the manatee was located. Due to the severity of the entanglement, DEC did not attempt to disentangle the manatee, but instead captured video. DEC updated AJG with the information and contacted SeaWorld Florida (SWF) veterinarian-Dr. Lara Croft about assisting with a rescue later in the week. Dr. Croft said that SWF could send a veterinarian to assist with the capture, disentanglement, and release, but they could not send a boat or rescue crew. Dr. Croft also confirmed that SWF could take the animal if it needed to go to a rehabilitation facility. |
| 09 November | At 0800 hrs, DEC received a text alert from FWC NE Dispatch-Orlando regarding the same entangled manatee in Merritt Island. FWC case number 15595 was assigned. The same complainant from the day prior informed DEC that the manatee was still behind her residence. DEC contacted AJG and FWC |

biologist-William D. Greer (WDG) to alert them that a rescue crew was being assembled. DEC called Dr. Croft to ask SWF for veterinarian assistance with the rescue. DEC contacted FWC biologist-Nadia J. Gordon (NJG), who agreed to bring NEFL's capture boat. WDG contacted JW and Brevard Zoo for additional volunteer assistance. At 1000 hrs, DEC and FWC intern-Katie P. Stegemerten (KPS) arrived at the residence and launched kayaks to look for the manatee. At 1033 hrs, DEC received a text alert from Dispatch regarding the same manatee. FWC case number 15611 was assigned. The complainant, Mike Schafer (321-302-9698), stated that the manatee was in the canal behind Merritt Island High School. DEC and KPS located and stayed with the animal until the rest of the rescue crew arrived. WDG, JW, NJG, three Brevard Zoo volunteers, and SWF veterinarian-Dr. Stacy Dirocco met at Kiwanis Island Park boat ramp and launched NEFL's rescue boat by 1315 hrs. A boat-based net set was used to capture the animal at 1402 hrs. Due to the severity of the entanglement, Dr. Dirocco recommended that the manatee be transported to SWF. The manatee was transported to the boat ramp where most of the crab trap and line was removed. The manatee was loaded into the rescue truck and transported to SWF, arriving at 1555 hrs.

PARTICIPANTS

FWC ECFL: Danielle E. Carter, William D. Greer
FWC NEFL: Nadia J. Gordon
FWC intern: Katie P. Stegemerten
FWC volunteer: Joe Wolf
SWF: Dr. Stacy Dirocco
Brevard Zoo volunteers

Edited by:

GLL
DJS
AJG

(Rev 01/20/2017)

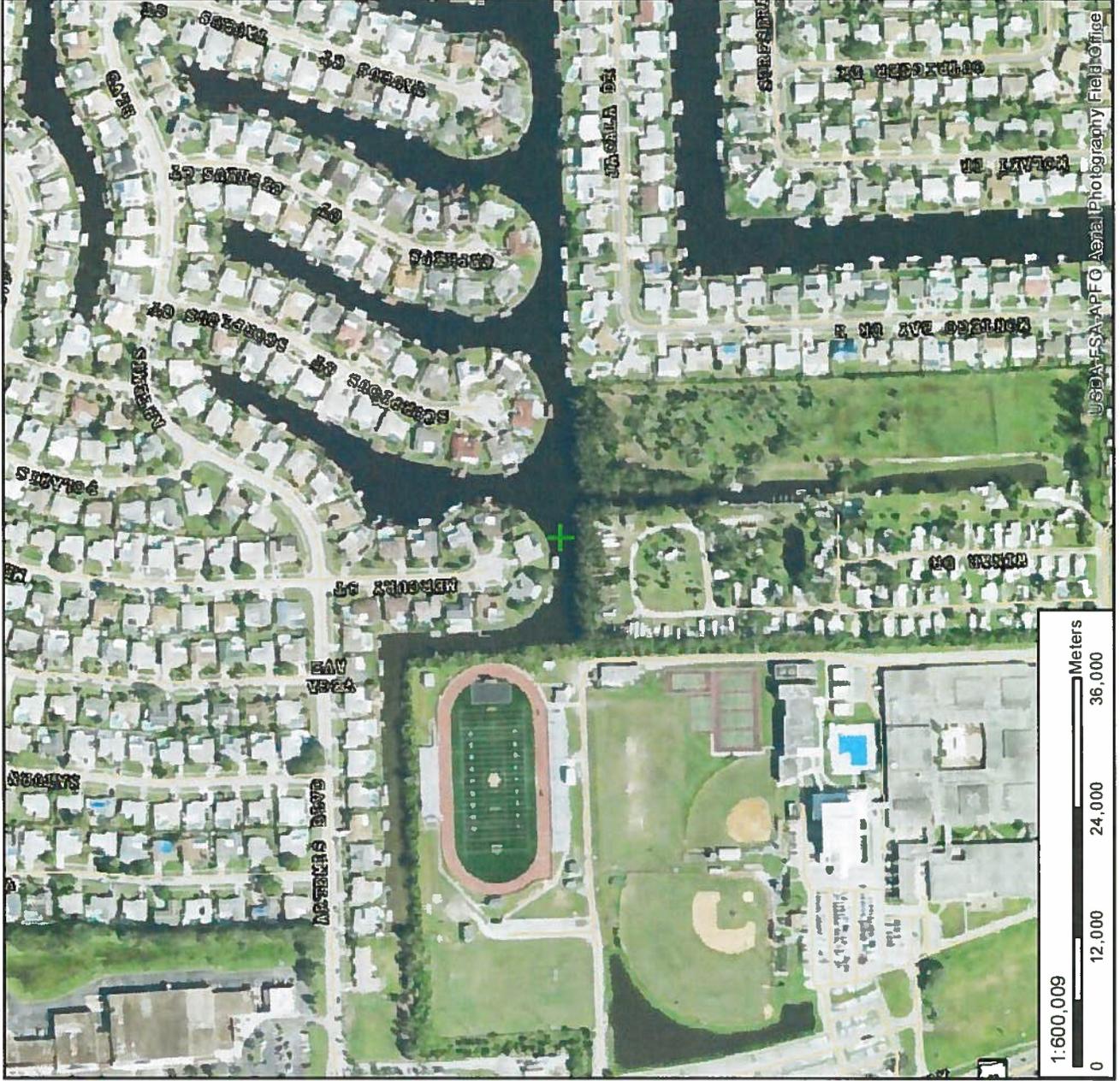


Verified Response Location of Manatee Rescue REC1729

Map Created 4/24/2018

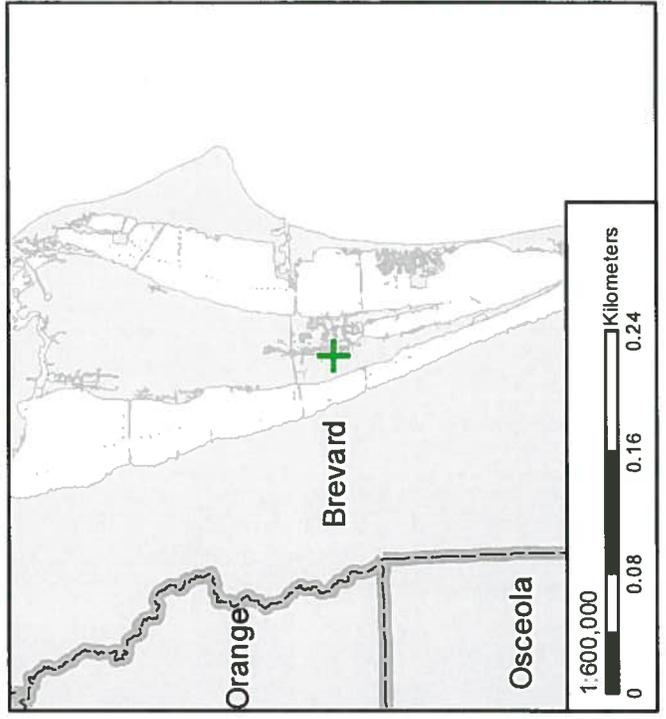
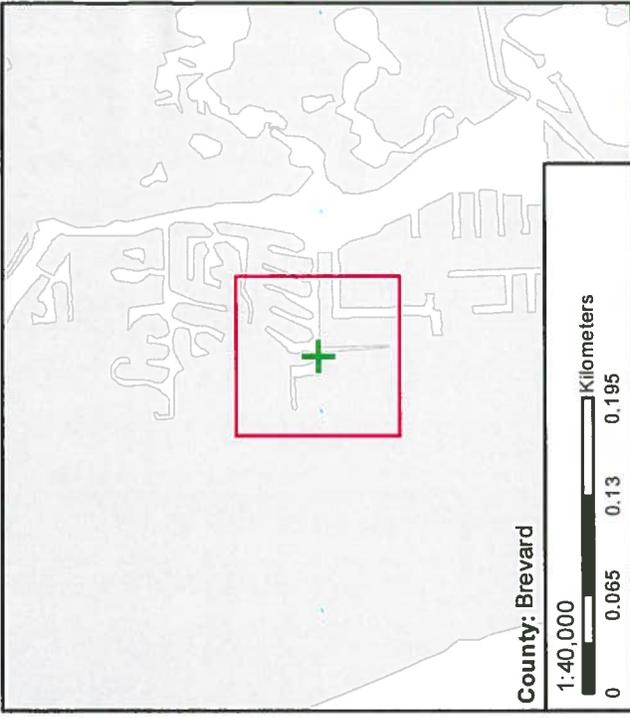
Facility ID: SWFTm1736b

Rescue Date: 11/9/2017



Locality Description:

approximately 55 m SSE of 1340 Mercury St



Latitude: 28.3799°N

Longitude: -80.69743°W

From: Garrett, Andy
Sent: Thursday, November 09, 2017 4:27 PM
To: (Group)
Subject: RE: Rescue Alert

Merritt Island:

REC1729

The manatee in Merritt Island was captured. Due to the severity of the entanglement (see photo below), the manatee was transported to Sea World for treatment.



Crystal River:

The Crystal River manatee was captured (see attached photo), but died in transport to Sea World.

From: Garrett, Andy
Sent: Thursday, November 09, 2017 10:29 AM
To: (Group)
Subject: Rescue Alert

Merritt Island (Sykes Creek):

A crab trap entangled manatee was confirmed yesterday by FWC-ECFL staff. The manatee was relocated this morning and a rescue team is responding. After capture the manatee will be evaluated by a Sea World vet at the capture site and either treated and released, or transported to Sea World for treatment.

Crystal River (King Spring):

A 7-8 ft lethargic and listing manatee with a recent watercraft wound has been reported in King Spring by Refuge staff. The manatee is breathing several times a minute and has been reported with some cold stress. A rescue team is responding. If captured, the manatee will be transported to Sea World.

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTM17365/REC1729 Capture ID: _____

Data Recorder: William Greer

Name: 'HARPER LEE'

Date: 10 JAN 2018

ID of its Calf / Mom: _____

Sex: M / F

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: Per 52 Town Boat Ramp
 Latitude: 28.4751056 N
 Longitude: -080.7665556 W
 Water Temp: 19.6 C F

TIMES
 Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1041

EVENT: ___ Capture ___ Rescue ___ Pre-release Assess. Release ___ Post-release Assess.

Workup Site: Air Temp = 24.0 C F Wind: 1.8 mph S Cloud Cover: S PC MC R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|------------------|
| | <u>336 kg</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>275</u> | |
| | Total Length (straight) | <u>267</u> | |
| | Snout to Peduncle | <u>189</u> | |
| | Snout to Anus | <u>176</u> | |
| | Snout to Umbilicus | <u>103</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>108</u> cm | Belt Loc: in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>129</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>178</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>145</u> | |

| ULTRASOUND | | Reader Name: | | | |
|------------------------------|---------------|--------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>3-</u> | 4 | 5 |
|---------------------------------|--------------|---|---|----------------------|--------------------------------|-------------------------|
| Health Concerns? | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / N</u> | | | <u>Y / N</u> | Ribs visible? | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | Flat | Concave |
| Ventrum: | | | | <u>Rounded</u> | Flat | Concave / Ventral Folds |
| Fresh Wounds or Lesions: | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>William Greer</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / N</u> | Describe: |
|----------------|------------------------|-----------|
| Lactating? | <u>Y / N</u> | |

| MONITORING | Heartrate: <u>Stethoscope</u> EKG Doppler None | Data Sheets? <u>Y / N</u> |
|--|--|---------------------------|
| Temperature: Oral Naso-pharyngeal Rectal <u>None</u> | | <u>Y / N</u> |
| Respiratory Rate? <u>Y</u> N | | <u>Y / N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| Location(s): | | |

Manatee ID: SWF17366/R&C1729

Capture ID

Date: 10 JAN 2018

| | | | | |
|--|--|---|------------------|-------------------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / N | Freeze / EtOH | | |
| | Skin Scraping? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? Y / N Oral / Rectal | Refrig | | |
| | Other? Y / N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | PIT tagged at this capture? Y / <input checked="" type="checkbox"/> N | | |
| | PIT tagged by: | SEA WORLD - ORLANDO | | |
| | Right # | Ø Ø - Ø 7 8 3 - 8 F 7 A | | |
| | Left # | Ø Ø - Ø 7 A C - 0 5 F 4 | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: _____ | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / tcc | Length: _____ ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | SARA M. WAPPES | | |
| | Exposures: | FWC025_2018-01-10_6275 through 6294 | | |
| SKETCHES | Sketched by: | William D GAZER | | |
| COMMENTS | | | | |
| WOUNDS/SCARS NEAR R-PEC WERE NOT COMPLETELY CLOSED UP. | | | | |

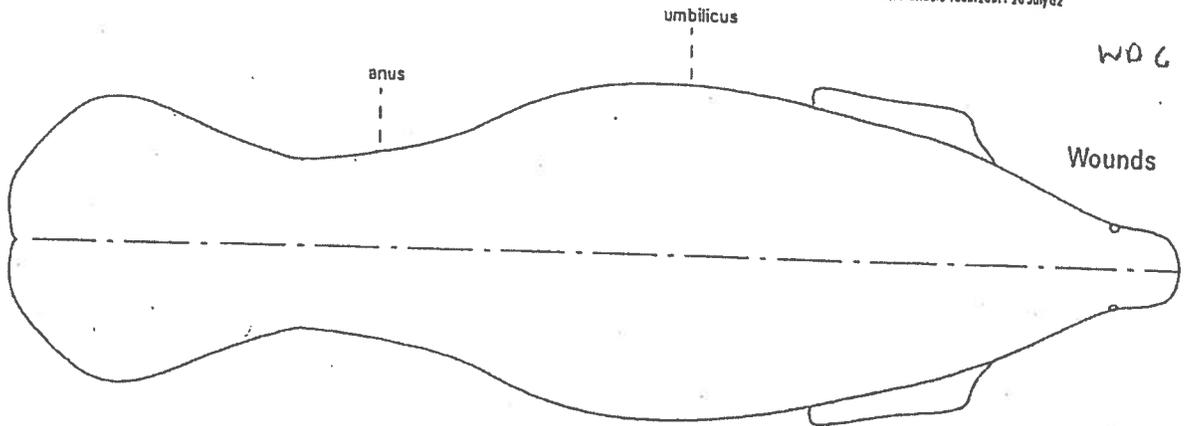
Date 10 JAN 2018

Field I.D. SWIFT in 1736B/REC 1729

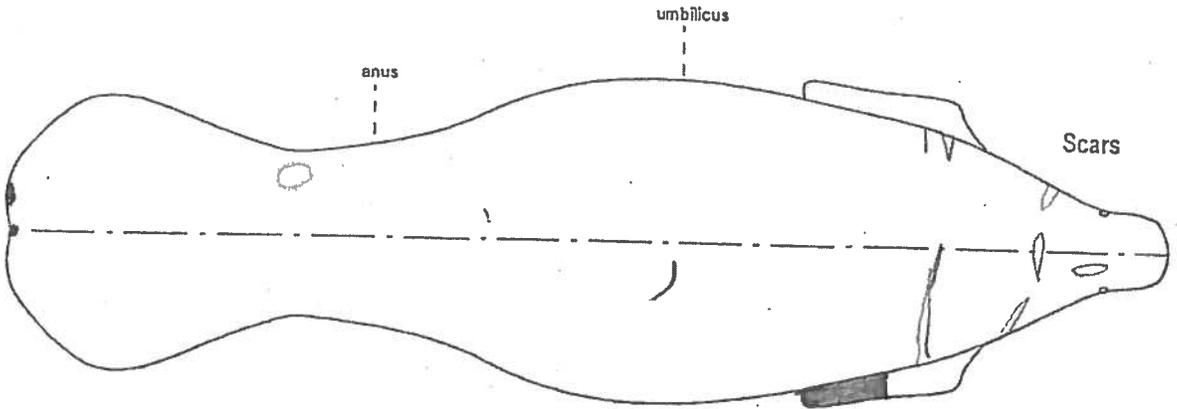
cat Manual's 1 scar2dat1 26 July 02

"HARPER" LEE

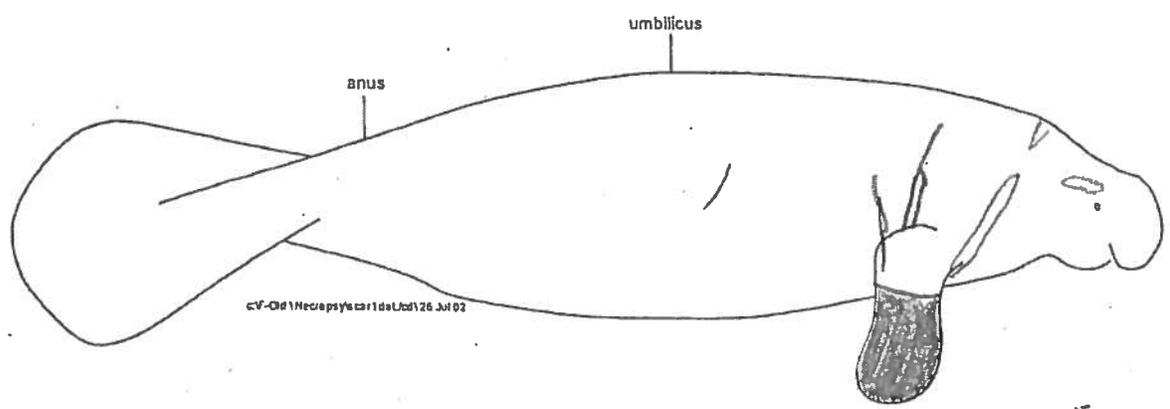
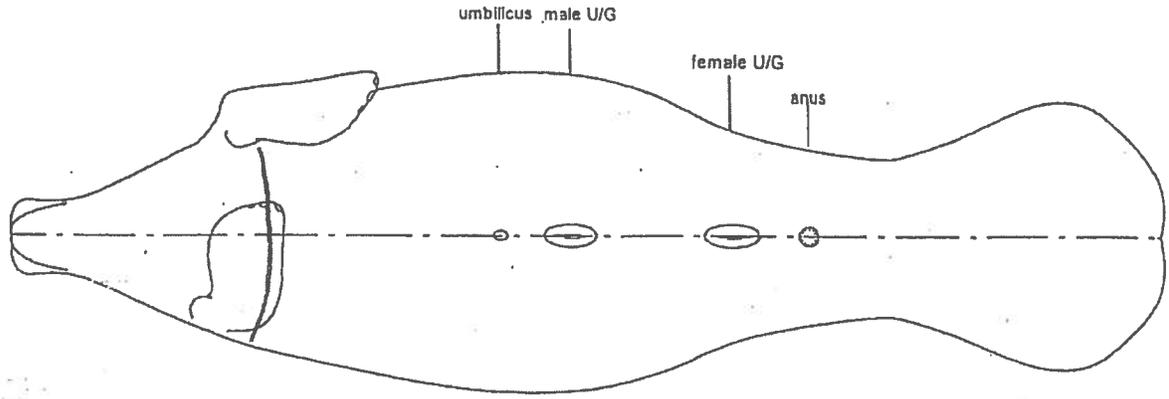
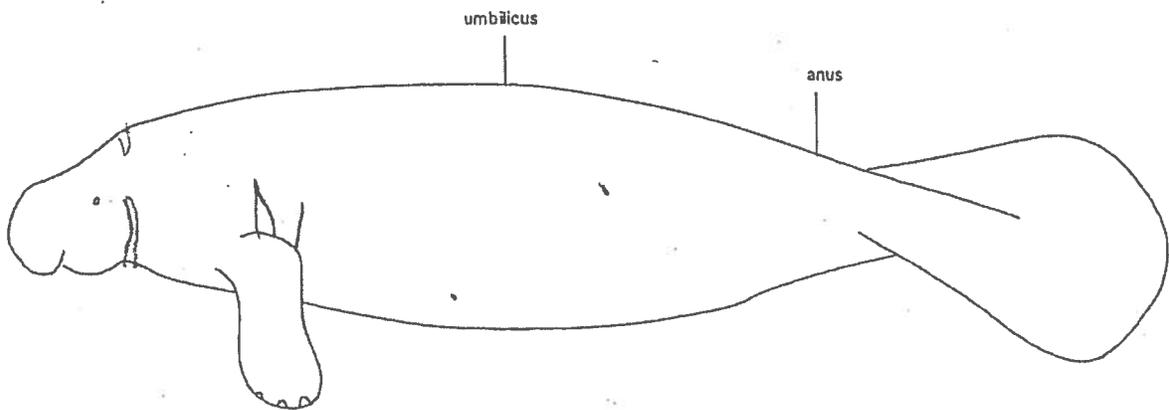
WDC



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SNF17368/REC1729
'HARPER LEE'



CV-Old Necropsy/csr1 de Lab/26 Jul 02

Asst. Hel

Rescue Report

REC1730

Entanglement
Rope

GENERAL

| | | |
|---|--|---|
| Date of Rescue: 12 December 2017 | Date of Initial Call: 12 December 2017 | Filed by: W. Greer |
| Rescue ID: REC1730 | Facility ID: | Other ID: BC567 |
| FWC Case Number: 17249 | FWC Region: NE | |
| Sex: Female | Length: 305 cm | Estimated: Yes |
| | Weight: 545 kg | Estimated: Yes |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: L: |
| State: Florida | County: Brevard | City: Satellite Beach |
| | | Waterway: Grand Canal |
| Latitude (Decimal Degrees): 28.16465° N | | Longitude (Decimal Degrees): -80.60295° W |
| Locality Description: 25 m E of 601 Desoto Lane ("Desoto Canal") | | |
| Method of Capture or Assistance: In Water: Disentanglement (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

Gear Type: (Check all that apply)

| | |
|--|--|
| <input type="checkbox"/> Monofilament Line | <input checked="" type="checkbox"/> Polyprop/Nylon Line |
| <input type="checkbox"/> Hook | <input type="checkbox"/> Buoy |
| <input type="checkbox"/> Sinker | <input type="checkbox"/> Trap |
| <input type="checkbox"/> Net | <input checked="" type="checkbox"/> Other (Specify) <u>Poly rope attached to a bait bucket</u> |

Location of Entanglement: Right flipper

If Crab Pot:
 Float#: _____ Color: _____ Line Type: _____

Damage from Gear:

| | |
|--|---|
| <input checked="" type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions |
| <input type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: ___ cm |

Comments: rope loosely wrapped twice around flipper

Gear Retained? Yes No

VISUAL RECORD

| | Photo - Digital | Video |
|-----------------|--------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |

Rescue Report

REC1730

| | | |
|---------------------------|--|--------------------------|
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | PUBLIC_2017-12-12_01 through PUBLIC_2017-12-12_02; PUBLIC_2017-12-13_01 | |

HISTORY

| Date | Narrative |
|-------------------------|---|
| 12 December 2017 | At 1204 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding a manatee with a rope and bucket wrapped around it in Desoto Canal in Indian Harbour Beach, Brevard County. FWC case number 17249 was assigned. The complainant, Kelly Finnigan (321-298-8624), stated that the manatee was moving around but had yellow rope around its right flipper that appeared loosely wrapped and was trailing a bucket with holes in it. At 1207 hrs, WDG received a photo from the complainant to confirm the entanglement. At 1208 hrs, WDG texted FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation. WDG told AJG a rescue was planned for the following day because all ECFL staff were currently tied up with releases. At 1321 hrs, the complainant texted WDG saying a neighbor had posted on Instagram that a UPS driver had disentangled the manatee. At 1326 hrs, WDG contacted the neighbor, Dominique (321-537-8117), who stated that a UPS driver saw it while stopped and waded out into the canal and lightly pulled on the bucket and rope. She said everything came off easily, all gear was clearly removed and no wounds or abrasions were seen. A third party took the bucket and rope, and the complainant was not sure what happened to it. No photos of the manatee after the disentanglement were taken. |
| 13 December 2017 | At 1005 hrs, WDG arrived at Desoto Canal for photo ID work and the first manatee seen was REC1730. No gear was observed on it and no wounds or abrasions were noted. While there, WDG spoke with the UPS driver who disentangled the manatee. He stated it was easily removed and he only had to undo two loops that were around the flipper. He also provided a photo of the gear after it was removed. At 1020 hrs, FWC biologist-Kari Rood and FWC biologist-Jennifer Johnson confirmed that the manatee was a photo-ID known manatee ('BC567'). BC567 is a confirmed female, as she has been seen many times with a nursing calf. |

PARTICIPANTS

Citizen

Edited by:

DJS
GLL
AJG

(Rev. 01/20/2017)

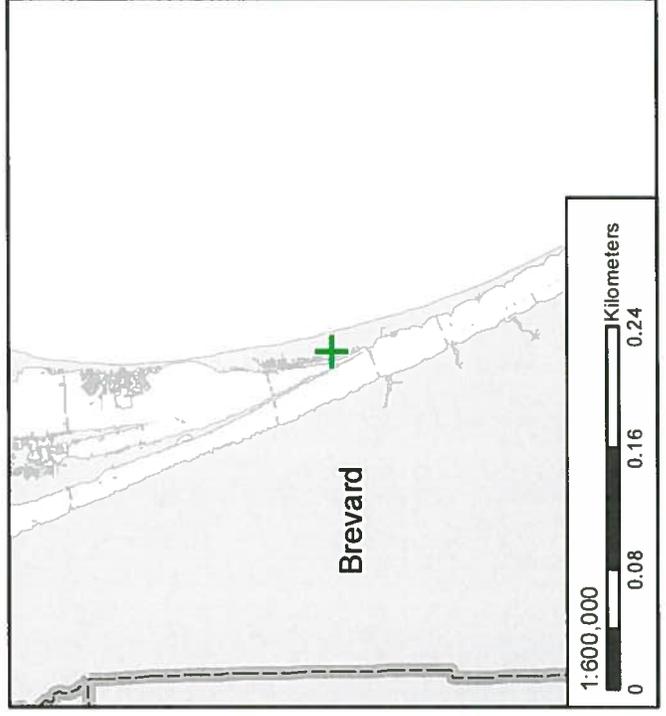


Verified Response Location of Manatee Rescue REC1730

Rescue Date: 12/12/2017

Facility ID: N/A

Map Created 7/16/2018



Locality Description:

25 m E of 601 Desoto Lane ("Desoto Canal")

Latitude: 28.16465°N

Longitude: -80.60295°W

Rescue / Dth
1/7/18 1/7/18

Rescue Report

REC1801

*Entrapment
Human
(FPL Plant)*

GENERAL

| | | |
|--|---------------------------------------|---|
| Date of Rescue: 07 January 2018 | Date of Initial Call: 07 January 2018 | Filed by: W. Greer |
| Rescue ID: REC1801 | Facility ID: | Other ID: MEC18002 |
| FWC Case Number: 0233 | FWC Region: NE | |
| Sex: Female | Length: 140 cm | Estimated: No |
| | Weight: 49 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: Florida | County: Brevard | City: Port St. John |
| | | Waterway: Indian River |
| Latitude (Decimal Degrees): 28.46821° N | | Longitude (Decimal Degrees): -80.76437° W |
| Locality Description: intake well #4 of the FPL Cape Canaveral Energy Center, 135 m N of 186 Cottrell Ave. | | |
| Method of Capture or Assistance: Other (Other: Power Plant Rake) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input checked="" type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entrapment-Human Related

Describe: Manatee was removed from intake well #4 by rake at FPL- Cape Canaveral Energy Center. The pull of the intake is strong and the manatee likely could not swim out on its own.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | PUBLIC_2018-01-07_01 through 02 | |

HISTORY

| Date | Narrative |
|-----------------|---|
| 07 January 2018 | At 0226 hrs, FWC on-call biologist-Nadia J. Gordon (NJG) received a text alert from FWC NE Dispatch-Orlando regarding a 56-inch, live manatee pulled from an intake area at the FPL-Cape Canaveral Energy Center (CCEC). The complainant, Felix Gonzalez (386-546-8296), stated that the manatee had been |

Rescue Report

REC1801

found on the rake during normal clearing of the grates and was originally thought to be dead. At 0244 hrs, the complainant sent a photo to NJG showing that the manatee had been placed in a "kiddie pool" and covered with towels. NJG called FWC biologists-William D. Greer, Sara M. Wappes (SMW) and Danielle E. Carter, FWC volunteer-Leo Cross, and SeaWorld staff-Jon Peterson (JP), Lorri Brasso and Stacy Dirocco (SD). At 0303 hrs, SD called NJG and stated that SeaWorld was responding. At 0419 hrs, JP contacted NJG and stated the manatee had died. At 0945 hrs, SMW arrived at FPL-CCEC and loaded the carcass into a cooler. At 1520 hrs, SMW arrived at the MMPL with the carcass.

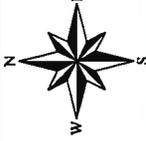
PARTICIPANTS

FPL-Cape Canaveral Energy Center Staff

Edited by:

GLL
DJS
AJG

(Rev 01/20/2017)



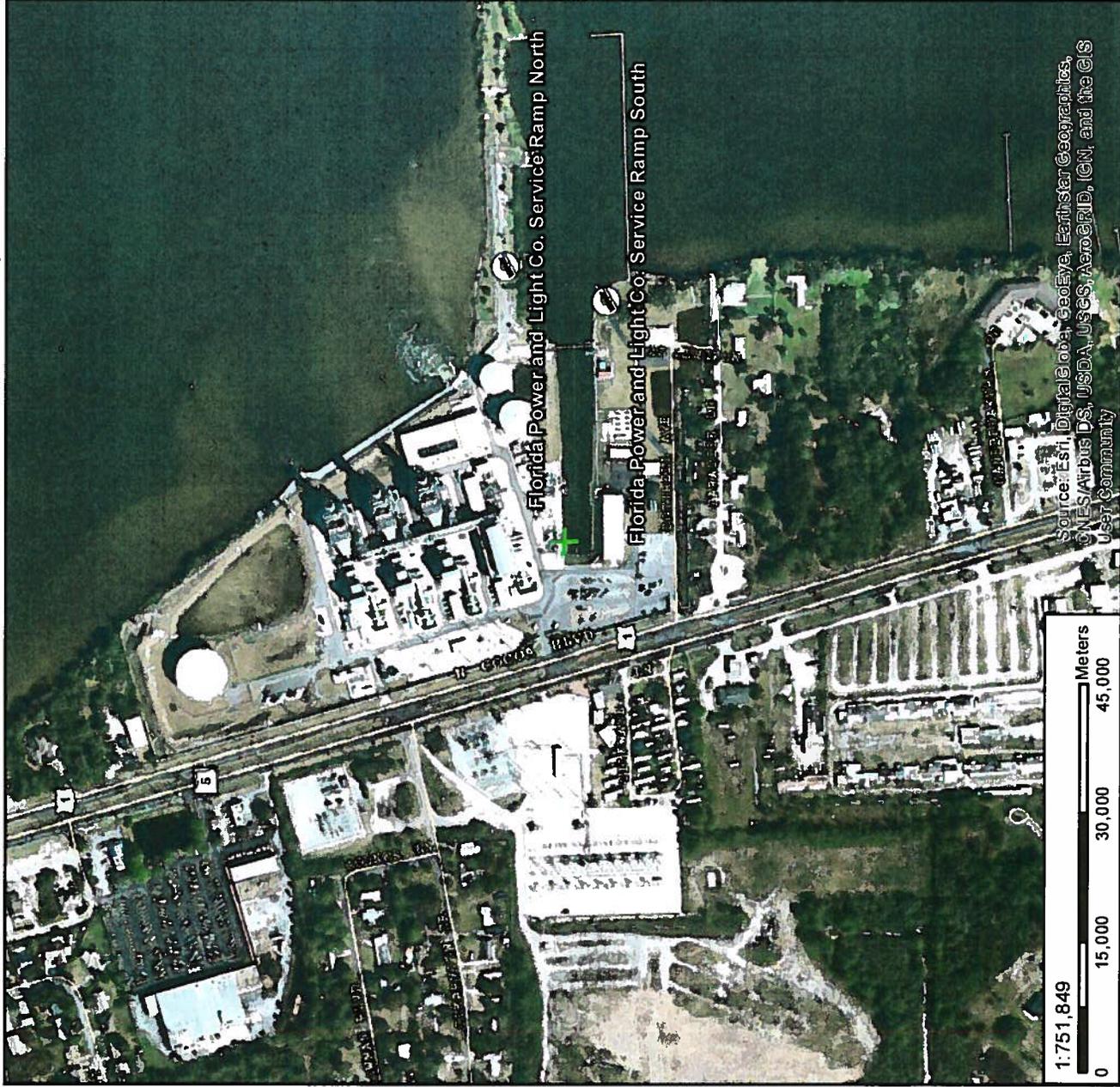
Verified Response Location of Manatee Rescue REC1801



Rescue Date: 1/7/2018

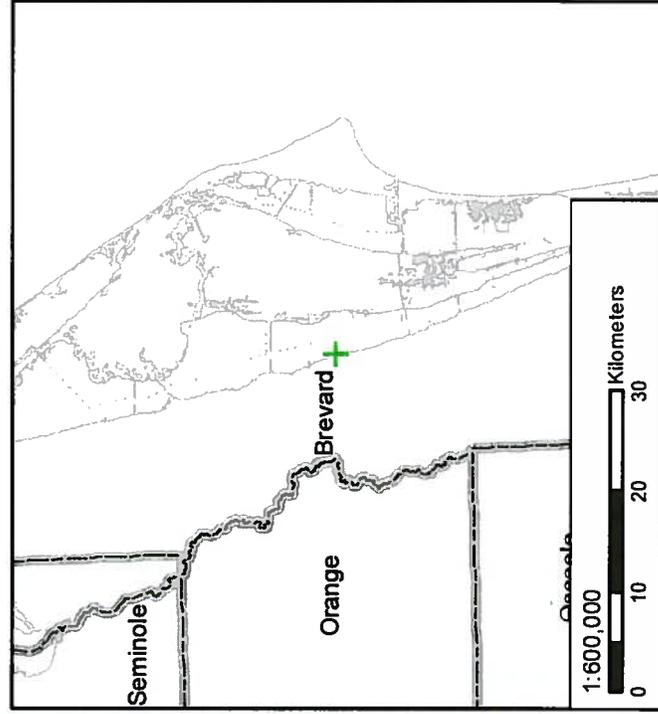
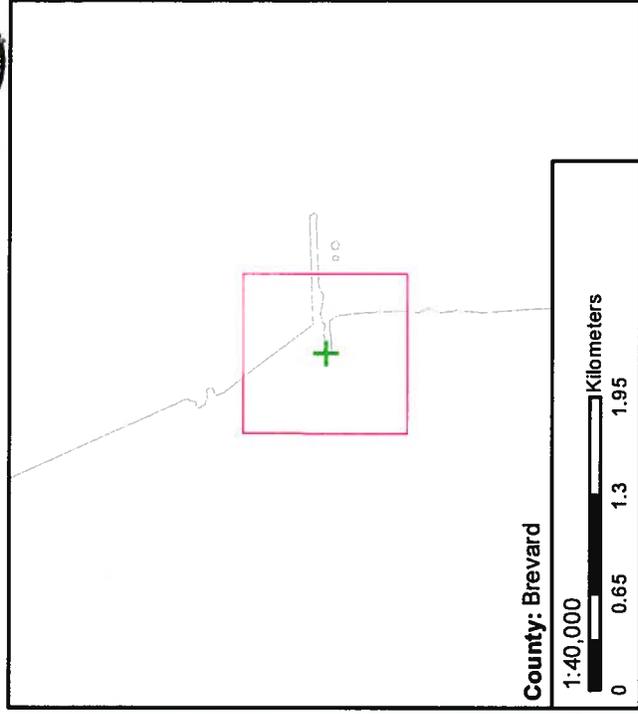
Facility ID: N/A

Map Created 3/18/2019



Locality Description:

intake well #4 of FPL Cape Canaveral Energy Center, 135 m N of 186 Cottrell Ave



Latitude: 28.46821°N Longitude: -80.76437°W

Rescue/Dyk

REC1807

Entrapment
Human
(FPLP/ant)

From: Garrett, Andy
Sent: Monday, January 08, 2018 8:31 AM
To: (Group)
Subject: rescue update

Palm Valley, FL:

On Friday evening, the FWC-NEFL received a report of a manatee stranded on a mud flat along the ICW. A rescue team responded, but the manatee passed away before the team arrived.

Marathon:

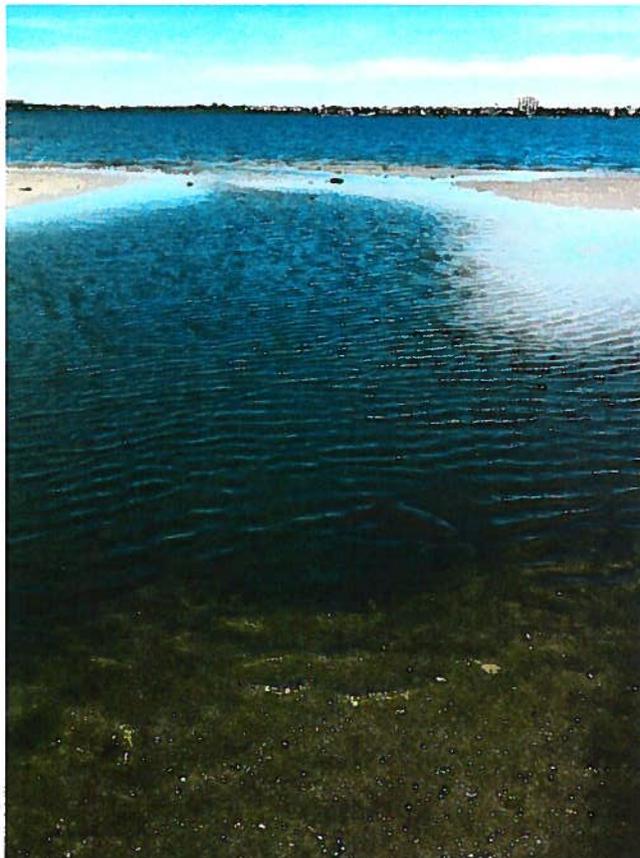
(RSE1807)

DRC rescued a neonate orphaned manatee calf on Saturday. Unfortunately, the calf passed away while being transported to Miami Seaquarium.

Bradenton:

(RNW1802)

On Saturday afternoon, FWC and Mote responded to a report of an entrapped manatee on the Manatee River. The manatee was found entrapped behind a residence during an extreme low tide event. The 220 cm female manatee was captured, assessed, and relocated to the Teco discharge canal and released. The manatee had signs of mild cold stress, small lesions near the nares (see attached photo), small lesions on the body and longitudinal ventral body folds.



Brevard County (FPL plant):

REC1801 / MEC18002

Early Sunday morning (2:26 am), while doing a rake/sweep, FPL workers discovered a 142 cm long live manatee calf on the raker. The manatee was placed in a plastic pool and moved inside. A Sea World rescue team was responding when the calf expired.



Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: MEC18002
Date of Report: 2018-Jan-07
Filed By: FWC MMPL

FWC Case # 0233 FWC Region: NE
Sex: Female Length: 140 cm Weight: 49.0 kg

DATE REPORTED: 2018-Jan-07 By: FPL to FWC NE Dispatch
DATE COLLECTED: 2018-Jan-07 By: FWC-SMW
DATE NECROPSIED: 2018-Jan-08 By: MMPL-MdW,BLB,ALP,GLL

LOCATION: State: FL Latitude: N
County: Brevard Longitude: W
Waterway: Indian River

Locality description: Port St. John, pulled from the FPL powerplant intake well #4.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Human Related: Other

EXPLAIN: Fresh scrapes in epidermis; Congested mesenteries, urinary bladder mucosa, parietal pleura, meninges; Dark red regions in lungs; Slightly bloody liver; Slightly enlarged mesenteric lymph nodes. Recovered alive from intake well #4 at FPL Canaveral Powerplant.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial, Internal, Other (Cold stress lesions).

MATERIALS COLLECTED:
Genetics, ELISA toxicology samples, Archive toxicology samples, Histology.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:
Histology report.

REMARKS:
PIT tag scan negative. Died on 07 Jan 2018. Died at 0400 hrs. Cobblestone-like epidermis; Cold stress lesions; Depleted fats; Serous fat; Relatively empty GI tract.

| | |
|-----------------|--------------|
| Page 1&2 | 12 July 2019 |
| Necropsy Report | 12 July 2019 |
| Lat/Long | 12 July 2019 |

MORPHOMETRICS:

| | | | | | |
|----------------------------|--------|-----------------------------|-------|--------------------------|-------------|
| Total length: | 140 cm | Fluke base: | 44 cm | Girth at axillae: | 80 cm |
| Snout to anus: | 91 cm | Fluke width: | 39 cm | | |
| Snout to U/G: | 83 cm | Girth at fluke base: | 56 cm | | |
| Snout to umbilicus: | 55 cm | Girth at anus: | 71 cm | | |
| Flipper width: | 9 cm | Girth at umbilicus: | 90 cm | Nail count: R: 3 | L: 3 |

| | | | | |
|---------------------------------|----------------|----------------|---------------------------------|--------|
| | Ventral | Lateral | | |
| Skin Thickness: | 1.1 cm | 1.7 cm | | |
| Outer Blubber Thickness: | 0.9 cm | 0.5 cm | Abdominal Fat Thickness: | 0.1 cm |
| Inner Blubber Thickness: | 0.2 cm | 0.5 cm | Epidermis Thickness: | 0.1 cm |

| | | |
|---|---|--------|
| Perinatal: | Ductus Arteriosis Diameter: | 0.6 cm |
| Urachus closed at bladder tip. Umbilical arteries closed. | Left Pulmonary Artery Diameter: | 1.5 cm |
| | Right Pulmonary Artery Diameter: | 1.5 cm |

Uterine Scarring Measurements:

| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
|-------------|---------------------------|-------------------|
| Right | | |
| Right | | |
| Left | | |
| Left | | |

Male Reproductive:

| | |
|--|--|
| | |
| | |
| | |

Fetus 1: Sex: Report?:

Length:

Weight:

Samples Taken:

Brevetoxin Results:

| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
|----------------------------------|----------------------|--------------|
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

Fetus 2: Sex: Report?:

Length:

Weight:

Samples Taken:

Rescue Report

Rec'd/Alleg
2/26/18 / 11/14/11
REC1802
Call by itself
Natural

GENERAL

| | | | | | |
|--|-----------------|--|---|--------------------------------|----|
| Date of Rescue: 26 February 2018 | | Date of Initial Call: 26 February 2018 | | Filed by: W. Greer | |
| Rescue ID: REC1802 | | Facility ID: SWFTm1814b | | Other ID: BriarRose, JZGTm1804 | |
| FWC Case Number: 2384, 2391 | | | FWC Region: NE | | |
| Sex: Female | Length: 196 cm | Estimated: No | Weight: 120 kg | Estimated: No | |
| PIT Tag Present: No | | PIT Tag Applied: No | | R: | L: |
| State: Florida | County: Volusia | City: Edgewater | | Waterway: Atlantic Ocean | |
| Latitude (Decimal Degrees): 28.96152° N | | | Longitude (Decimal Degrees): -80.84622° W | | |
| Locality Description: approximately 60 m NE of 6200 S Atlantic Ave | | | | | |
| Method of Capture or Assistance: Land Based: Stretcher | | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input checked="" type="checkbox"/> Tidally Stranded (secondary) |
| <input checked="" type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: Small stranded manatee up on beach, peanut-shaped head and longitudinal folds on ventrum.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-02-26_8966 through 8983; FWC037_2018-02-16_3926, 23953, 23993, 24022, 24035, 24044, 24063, 24092, 24093, 24113, 24140, 24203, 24206, 24270, 24286, 24353, 24419, 24463, 24464 | |

HISTORY

| Date | Narrative |
|------------------|---|
| 26 February 2018 | <p>At 0650 hrs, FWC on-call biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding a dead manatee washed up from the Atlantic Ocean in New Smyrna Beach, Volusia County. FWC case number 2384 was assigned. The complainant, Donna (386-847-2525), stated that the manatee was six feet in length, dorsum-up and not moving. At 0654 hrs, WDG received a photo from the complainant to confirm the manatee. At 0801 hrs, WDG received another text from Dispatch regarding the same manatee. No new FWC case number was assigned. The complainant, Volusia County lifeguard Bryan (386-566-3826), stated the manatee was alive, not moving much, and breathing every few minutes. The manatee was beached and the tide was still going out for the next few hours. WDG asked the complainant to stay with the manatee and keep it shaded and wet if possible until an FWC staff could arrive. At 0808 hrs, WDG contacted FWC rescue coordinator-Andrew J. Garrett to advise him of the situation and to let him know ECFL staff and volunteers were responding. At 0811 hrs, WDG contacted SeaWorld Orlando-Jon Peterson to advise him of the situation and to confirm that SeaWorld could take the manatee if it needed to come in for rehabilitation. At 0918 hrs, Sea to Shore Alliance-Monica Ross (MR) and Nicole Bartlett arrived on scene since they were in the area and had heard of the pending rescue. MR stated the manatee was approximately six feet in length and slightly skinny with some superficial wounds on the dorsal aspect of the body. At 0946 hrs, WDG received a text alert from Dispatch regarding a live manatee washed up from the Atlantic Ocean in New Smyrna Beach, Volusia County. FWC case number 2391 was assigned. The complainant, Teal Church (802-595-5110), stated her son saw a manatee farther down the beach from her location and a small crowd was gathering. Based on location it was determined to be the same manatee previously reported. At 1030 hrs, WDG, FWC biologists-Danielle E. Carter, Sara M. Wappes and FWC volunteer-Joe Wolf arrived at the site. At 1033 hrs, UF veterinarian-Dr. Craig Pelton and UF intern-Dr. Allison Peterson arrived at the site. Upon external examination of the manatee, it had longitudinal folds along its ventrum, a peanut-shaped head and a concave shape at the peduncle. All staff on scene agreed the manatee should be admitted for rehabilitation. At 1041 hrs, the manatee was loaded into the ECFL transport truck and transported to SeaWorld, arriving at 1212 hrs.</p> |

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes, Danielle E. Carter

FWC volunteer: Joe Wolf

Sea to Shore Alliance: Monica Ross, Nicole Bartlett

University of Florida: Dr. Craig Pelton, Dr. Allison Peterson

Edited by:

DJS

GLL

AJG

(Rev 01/20/2017)



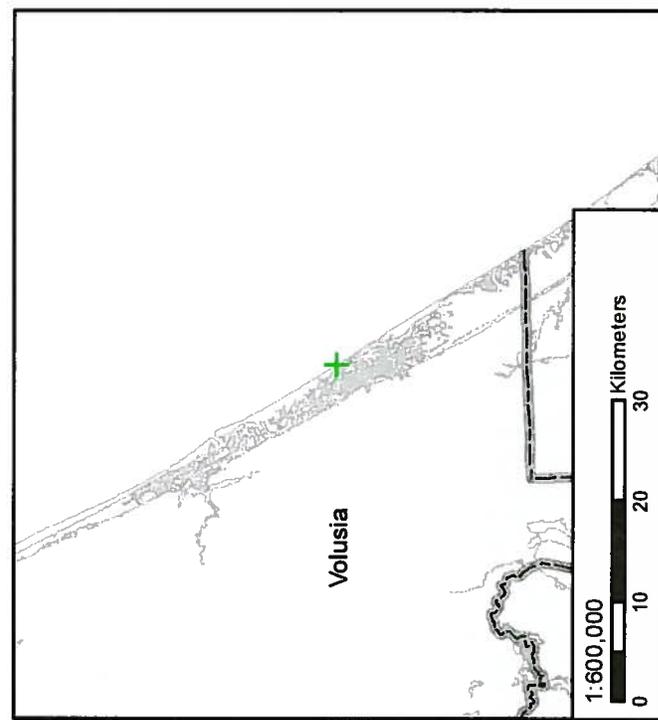
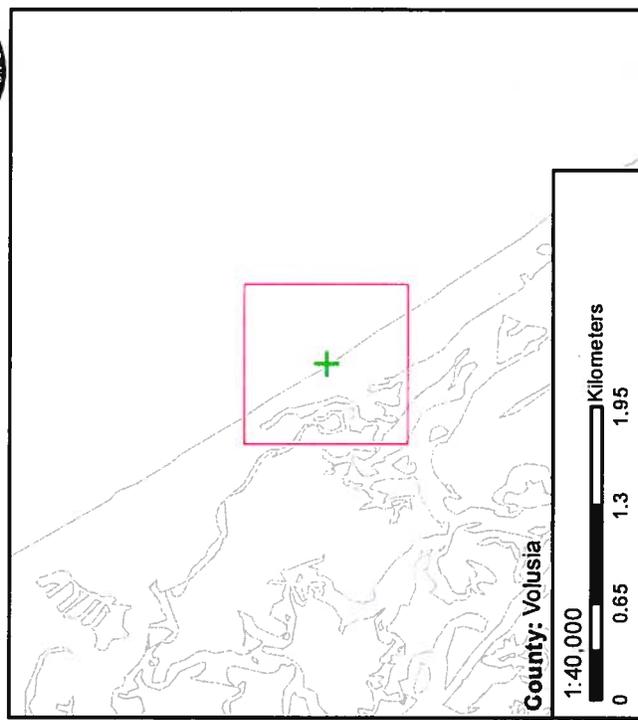
Verified Response Location of Manatee Rescue REC1802



Rescue Date: 2/26/2018

Facility ID: SWFTm1814b

Map Created 4/5/2019



Locality Description:

approximately 60 m NE of 6200 S Atlantic Ave

Latitude: 28.96152°N

Longitude: -80.84622°W



Szemer, Donna

From: Szemer, Donna
Sent: Thursday, July 19, 2018 3:28 PM
To: Peterson, Jon
Cc: Gordon, Nadia; Garrett, Andy; Greer, Bill
Subject: RE: [EXTERNAL] COR for SWFTm1814b (REC1802, BriarRose)

No problem. I will update the database.

Can you confirm Pregnancy?

Thanks!
Donna

From: Peterson, Jon [mailto:Jon.Peterson@SeaWorld.com]
Sent: Thursday, July 19, 2018 1:34 PM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>
Cc: Gordon, Nadia <Nadia.Gordon@MyFWC.com>; Garrett, Andy <Andy.Garrett@MyFWC.com>; Greer, Bill <Bill.Greer@MyFWC.com>
Subject: RE: [EXTERNAL] COR for SWFTm1814b (REC1802, BriarRose)

I am not sure why it is water craft my records show the same information you have sorry about that wrong input. Thanks
JP

From: Szemer, Donna [mailto:Donna.Szemer@MyFWC.com]
Sent: Thursday, July 19, 2018 1:30 PM
To: Peterson, Jon
Cc: Gordon, Nadia; Garrett, Andy; Greer, Bill
Subject: [EXTERNAL] COR for SWFTm1814b (REC1802, BriarRose)

Hi, JP-

I'm going through rescue reports and came across another one.

I am trying to confirm the Cause of Rescue for SWFTM1814B (BriarRose, REC1802). According to our records, we have her listed as Natural, emaciated and tidally stranded. In the web database she is listed as a Watercraft, Undetermined rescue.

Can you please let me know if you found indications of trauma upon delivery at Sea World that led you to determine this was a watercraft rescue?

Also, I notice the database states the manatee was probably pregnant.
Has this been confirmed or was this a typo?

Thanks!
Donna

Szemer, Donna

From: Peterson, Jon <Jon.Peterson@SeaWorld.com>
Sent: Monday, March 05, 2018 4:05 PM
To: Szemer, Donna
Cc: Greer, Bill; Garrett, Andy
Subject: Re: [EXTERNAL] SWFTM1814B (REC1802)

This animal has a scag mark right across its head center on the skull. I will send pictures tomorrow to you. Thanks JP

Sent from my iPhone

On Mar 5, 2018, at 3:09 PM, Szemer, Donna <Donna.Szemer@MyFWC.com> wrote:

Hi, JP-

I see you have SWFTM1814b listed as Watercraft. Can you please describe what you found so I can add this to the rescue report?

Since it was beached, our initial COR was Natural, tidally stranded. If you found indications of trauma, we will change our records to indicate this.

Thanks!
Donna

Resa

Szemer, Donna

From: Greer, Bill
Sent: Monday, February 26, 2018 4:17 PM
To: Szemer, Donna
Cc: Carter, Dani; Carruthers, Halley; Wappes, Sara
Subject: REC1802/SWFTm1814b Prelim info

~~Watercraft?~~
Watercraft?
via S. World

| | | |
|---|--|--|
| Date of Rescue: 26 February 2018 | Date of Initial Call: 26 February 2018 | Filed by: W. Greer |
| Rescue ID: REC1802 | Facility ID: SWFTm1814b | Other ID: |
| FWC Case Number: 2384, 2391 | FWC Region: NE | |
| Sex: Female | Length: 198 cm | Estimated: No |
| | Weight: 120 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: Florida | County: Volusia | City: New Smyrna Beach |
| | | Waterway: Atlantic Ocean |
| Latitude (Decimal Degrees): 28.9614472° N | | Longitude (Decimal Degrees): -080.8461833° W |
| Locality Description: Approximately 60 m ENE of 6200 S Atlantic Ave | | |
| Method of Capture or Assistance: Land Based: Stretcher | | (Other: _____) |

Reason for rescue: Tidally stranded and underweight

Outcome: Transported to Sea World

Bill Greer

Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
Cell: 321-626-7367
E-mail: bill.greer@myfwc.com

Office Address:
4020 South Highway A1A
Melbourne Beach, FL 32951
Mailing Address:
3830 South Highway A1A
#4-146
Melbourne Beach, FL 32951

Wildlife Alert: 1-888-404-3922

Resc

From: Garrett, Andy
Sent: Monday, February 26, 2018 10:46 AM
To: (Group)
Subject: RE: rescue alert

A Sea to Shore team was able to respond prior to the FWC rescue team and reported that the manatee was approximately 6 ft long.

Once the FWC team arrived, the 190 cm female was loaded into a transport truck and is currently being transported to Sea World. The rescue team is reporting the manatee as being very skinny, with lots of longitudinal folds.

From: Garrett, Andy
Sent: Monday, February 26, 2018 8:47 AM
To: (Group)
Subject: rescue alert

New Smyrna Beach (Bethune Beach):

REC1802
SWFTM1814B

FWC-ECFL staff are responding to a report of a beached manatee in New Smyrna Beach (see attached photo). The manatee was originally reported as dead. The tide is going out. FWC staff will evaluate the manatee's condition when they arrive and determine next steps.



(Image000000.jpg)

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8621

Manatee ID: SW 18114/5267m1804 Capture ID: REC1302 Data Recorder: William Crandall

Name: 'Brinabusa' Date: 14 Nov 2013

ID of its Calf / Mom: _____ Sex: M / (F)

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: River
 Latitude: 25.89352 N
 Longitude: -80.85133 W
 Water Temp: 27.7 C F

TIMES
 Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1003

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 27.8 C F Wind: 3.5 mph NE Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>245</u> | |
| | Total Length (straight) | <u>226</u> | |
| | Snout to Peduncle | <u>158</u> | |
| | Snout to Anus | <u>142</u> | |
| | Snout to Umbilicus | <u>71</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>93</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>(actual)</u> or 1/2 | <u>126</u> | |
| | Girth at Umbilicus: <u>(actual)</u> or 1/2 | <u>164</u> | |
| | Girth at Axilla: <u>(actual)</u> or 1/2 | <u>122</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: _____ | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>(3+)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|----------------|---|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | | <u>Rounded / Flat / Concave</u> | |
| Ventrum: | | | | | <u>Rounded / Flat / Concave / Ventral Folds</u> | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | | <u>/</u> | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> | Describe: |
|----------------|--------------------------|-----------|
| Lactating? | <u>Y / (N)</u> | |

| MONITORING | Heartrate: Stethoscope EKG Doppler None | Data Sheets? <u>Y N</u> |
|---|---|-------------------------|
| Temperature: Oral Naso-pharyngeal Rectal None | | <u>Y N</u> |
| Respiratory Rate? <u>(Y) N</u> | | <u>Y N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| Location(s): | | |

Manatee ID: WF 13146/JZ61804 Capture ID REC1802 Date: 1

| | | | | |
|--------------|-----------------------------|------------|---------|---------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |

| | | |
|----------------|--|---|
| SAMPLES | Milk? <u>Y / N</u> volume: <u> </u> ml | Refrig / Freeze |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH |
| | Fecal? <u>Y / N</u> | Freeze / EtOH |
| | Skin Scraping? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide |
| | Skin Biopsy? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide |
| | Tail Cookie? <u>Y / N</u> Location: <u> </u> | Freeze / <u> </u> / DMSO |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal <u> </u> | Refrig |
| | Other? <u>Y / N</u> Tear Film / <u> </u> | Freeze / <u> </u> |

| | | |
|----------------|--|--|
| PIT TAG | Scanned for previous PIT tag? <u>Y / N</u> | PIT tagged at this capture? <u>Y / N</u> |
| | PIT tagged by: | <u>SEN WARD ORLANDO - 700 PICTURES</u> |
| | Right # | <u>Ø Ø - Ø 7 A C - 3 6 B B</u> |
| | Left # | <u>Ø Ø - Ø 7 9 3 - F 6 Ø 7</u> |

| | | |
|------------------|-------------------------------|--|
| TELEMETRY | Tag Type | <u>Argos-GPS</u> / PTT / VHF |
| TAG | Tag ID# | <u>37043</u> |
| | Tag / Antenna Color(s) | Tag: <u> </u> Antenna: <u> </u> |
| | VHF Frequency | <u>164.635</u> MHz |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz Code: <u> </u> PI: <u> </u> msec |

| | | |
|-------------|--------------------------------|--|
| BELT | ID# / Size / Color | FWC <u> </u> Length: <u>36</u> in. Color: <u>ORANGE</u> |
| | Belt Sonic ID: FWC <u> </u> | Freq: <u>4650</u> kHz Code: <u>72</u> PI: <u>1160</u> msec |
| | Belt Knot / Webbing Exposed | <u>Left</u> / Right <u> </u> inches |
| | CR2a Programmed Release | <u>Y / N</u> Date/Time: <u> </u> |

| | | | | |
|----------------|------------------|----------------|-------------|----------|
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |

| | | |
|---------------|----------------------------|---|
| TETHER | Strength / Joiner / Length | Strength: <u>47</u> hs / tcc Length: <u>4</u> ft. |
| | Tagged by: | <u>MARION ROSS AND MICHAEL BULLOCK</u> |

| | | |
|--------------------|------------|-----------------|
| PHOTOGRAPHS | Taken by: | <u>SEN</u> |
| | Exposures: | <u>2018 1 1</u> |

| | | |
|-----------------|--------------|--|
| SKETCHES | Sketched by: | <u>NOT SKETCHED DUE TO NO SKETCH/NOODS</u> |
|-----------------|--------------|--|

COMMENTS

ALL MEASUREMENTS TAKEN BY SEN 11/6/18

WEIGHT FROM 11/1/18

ENVIRONMENTAL DATA COLLECTED BY TDR

MANATEE WAS TAGGED AND WILL BE MONITORED BY SEN TO SURE ALL...

Rescue/UCAS
3/22/18 / 1/20/21

Rescue Report

REC1803

Watercraft
w/call (REC1803)
SUFTM1821

GENERAL

Date of Rescue: 22 March 2018 Date of Initial Call: 12 March 2018 Filed by: W. Greer
 Rescue ID: REC1803 Facility ID: SWFTm1820b Other ID: 'Lesley', BS822
 FWC Case Number: N/A FWC Region: NE
 Sex: Female Length: 299 cm Estimated: No Weight: 497 kg Estimated: No
 PIT Tag Present: No PIT Tag Applied: No R: L:
 State: Florida County: Volusia City: Orange City Waterway: St. Johns River
 Latitude (Decimal Degrees): 28.94345° N Longitude (Decimal Degrees): -081.34093° W
 Locality Description: Blue Spring State Park, approximately 65 m WNW of the Thursby House
 Method of Capture or Assistance: Boat Based: Net Set

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)
 Cold Stress Red Tide Tidally Stranded
 Orphan Other: (Specify): _____

Watercraft

Check all that apply:

Penetrating Cuts Impact Other
 Describe: Chronic watercraft; large, swollen growth under healed watercraft scars on the mid right lateral aspect of the dorsum; emaciated with longitudinal folds on the ventrum

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-03-22_0226 through 0255; FWC037_2018-03-22 4476 | |

Rescue Report

REC1803

HISTORY

| Date | Narrative |
|---------------|---|
| 12 March 2018 | At 0644 hrs, FWC biologist-William D. Greer (WDG) received an email from Save the Manatee Club (SMC)-Wayne Hartley (WH) regarding an injured manatee at Blue Spring State Park in Orange City, Volusia County. WH stated that the known manatee, "Lesley," was starting to look emaciated based on videos collected the week prior. WH also stated that the female manatee was often seen with a juvenile, but staff were unable to determine if it was the same animal at each sighting. WH forwarded photos from the day prior. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to discuss the situation and asked SMC staff to collect more information and photos to assess her condition. |
| 14 March | At 1229 hrs, WDG received an email from SMC media specialist-Cora Berchem (CB) regarding "Lesley". CB sent photos of the manatee's ventrum revealing prominent longitudinal folds and stated that the juvenile was with "Lesley", but not nursing. WDG contacted AJG and SeaWorld Orlando-Jon Peterson (JP) to discuss rescue possibilities. SeaWorld agreed to take the injured manatee and assist with capture if available. Based on weather, rescue attempts were scheduled for 19 March 2018. |
| 18-21 March | WH and CB were unable to locate "Lesley" in the spring run. |
| 22 March | WDG received a phone call from CB regarding a sighting of "Lesley" in the spring run, accompanied by the juvenile. A total of 73 other manatees were observed. CB agreed to stay with the manatee until the rescue team arrived. WDG called AJG to request staff assistance and a rescue boat. WDG contacted SeaWorld-Lorri Braso to request rescue and transport assistance, but they were unable to assist. At 1210 hrs, WDG, FWC biologists-Danielle E. Carter and Sara M. Wappes (SMW), three FWC volunteers, and Volusia County stranding coordinator-Debbie Wingfield arrived at the French Ave. boat ramp. At 1230 hrs, AJG, FWC biologist-Sean Tennant, and UF resident-Dr. Alli Peterson arrived and launched the rescue boat. CB reported that the juvenile was still with "Lesley" and had been observed nursing that day. At 1315 hrs, a land based net set was attempted, but the manatees swam under the net. At 1345 hrs, a boat-based net set was used to successfully capture both manatees. WDG determined that "Lesley" was lactating from both teats. AJG confirmed with SeaWorld that there was room for the juvenile (REC1804) as well. The manatees were transported to the French Ave. boat ramp, loaded into the rescue truck at 1420 hrs., and transported to SeaWorld, arriving at 1530 hrs. |

PARTICIPANTS

FWC ECFL: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC MMPL: Andrew J. Garrett, Sean Tennant

FWC volunteers: Leo Cross, Joe Wolf, Brittiny Bennett

Save the Manatee Club: Cora Berchem

University of Florida intern: Alli Peterson

Volusia County: Debbie Wingfield

Edited by:

GLL

DJS

AJG

(Rev 01/20/2017)



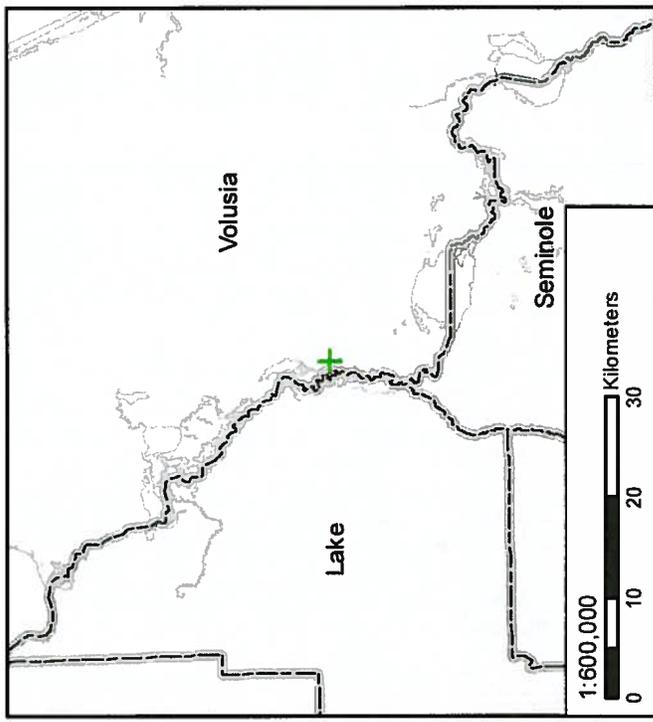
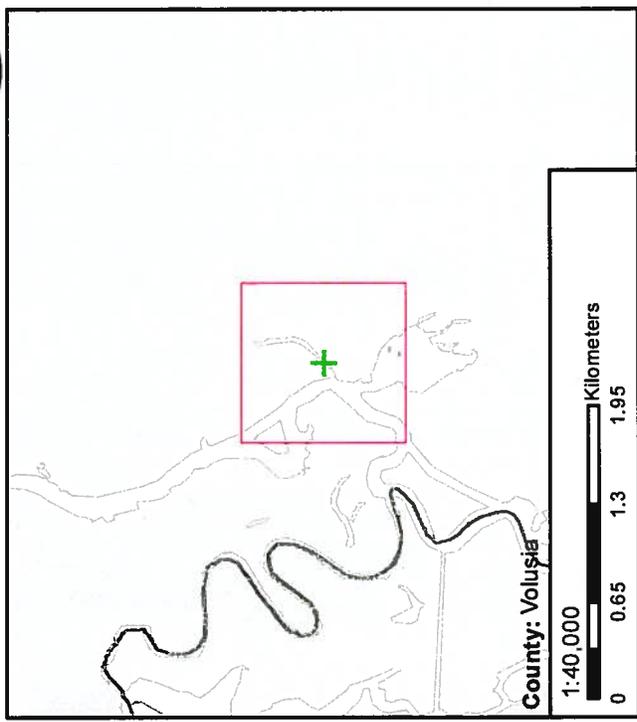
Verified Response Location of Manatee Rescue REC1803



Rescue Date: 3/22/2018

Facility ID: SWFTm1820b

Map Created 4/23/2019



Locality Description:

Blue Springs State Park, approximately 65 m WNW of the Thursby House

Latitude: 28.94345°N

Longitude: -81.34093°W

From: Garrett, Andy
Sent: Friday, March 23, 2018 9:12 AM
To: (Group)
Subject: Rescue Update

Blue Springs:

SWFTM1820B/REC1803/Lesley - Mom
SWFTM1821B/REC1804 - Calf

Lesley and her 212 cm female calf were captured in Blue Springs yesterday afternoon. The calf had been observed nursing off Lesley during pervious observations, but was decribed as a being "juvenile sized". Both manatees stayed tight together during the pursuit and capture. Lesley was found to be lactating in both teats. Last year we caught Una and her 7 month old, 200 cm calf in Blue Springs. That calf's size had many of us sratching our heads, but seemed to support the theory that Blue Springs calves grow bigger and faster than calves in other parts of the state. We decided to be conserative and transport both to Sea World.

Jacksonville (Miller Creek):

(RUE1805)

Yesterday evening, a 305 cm male manatee was reported stranded on a mud flat near downtown Jacksonville. A rescue team responded (FWC, Jacksonville Zoo, Sea to Shore Alliance), with the Jacksonville Fire Department and pulled the manatee from the mud flat. The manatee appeared thin and cold stressed and was transported to Jacksonville Zoo for treatment.

Willoughby Creek:

Yesterday, FWC-SEFL biologists observed a buoyant and listing female manatee with a calf in Willoughby Creek. This pair has been observed using the creek over the past few weeks during the colder days. A rescue was planned for this morning, but the pair has not been located yet.

From: Garrett, Andy
Sent: Thursday, March 22, 2018 9:34 AM
To: (Group)
Subject: rescue alert

Blue Springs:

Over the past few weeks, Save the Manatee Club biologists have been monitoring a known thin manatee, Lesley (see attached photos) using the spring. Lesley has been reported in the spring with approximately 70 other manatees this morning. A rescue team is responding. If captured, the manatee will be transported to Sea World.



"hesley"
SWFTM1820B
REC1803

West Indian Manatee (*Trichechus manatus*)

(727) 896-862

Manatee ID: REC 1803/SWFT 1820b

Capture ID: _____

Data Recorder: DEBBIE WRIGHT

Name: 'LESLEY'

Date: 20 JAN 2021

ID of its Calf / Mom: _____

Sex: M / (F)

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: FRENCH NET BOAT RAMP
 Latitude: 28.9464556 N
 Longitude: -081.3470336 W
 Water Temp: 15.6 (C) F

TIMES
 Initial Pursuit: _____
 Net Set: _____
 Captured (Onboard): _____
 On Beach: _____
 Released: 1540

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 14.7 (C) F Wind: 1 mph NW Cloud Cover: (S) PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|-----------------------|
| | <u>635 kg</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>321</u> | |
| | Total Length (straight) | <u>312</u> | |
| | Snout to Peduncle | <u>227</u> | |
| | Snout to Anus | <u>210</u> | |
| | Snout to Umbilicus | <u>114</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>133</u> cm | Belt Loc: <u>—</u> in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>173</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>231</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>176</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | 3 | <u>(4)</u> | 5 |
|---------------------------------|----------------|---|---|---|------------------------|--------------------------------|
| Health Concerns? | | | | | <u>Y / (N)</u> | (If yes, describe in comments) |
| Peanut shaped head? | <u>Y / (N)</u> | | | | | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | | | | | <u>(Rounded)</u> | Flat / Concave |
| Ventrum: | | | | | <u>(Rounded)</u> | Flat / Concave / Ventral Folds |
| Fresh Wounds or Lesions: | | | | | <u>(Y) / N</u> | (If yes, describe in comments) |
| Person(s) assessing condition: | | | | | <u>William D Green</u> | |
| Clinical Assessment Data Sheet? | | | | | <u>Y / (N)</u> | |

| REPROD. STATUS | Pregnant? | <u>Y / (N)</u> | Describe: |
|----------------|------------|----------------|-----------|
| | Lactating? | <u>Y / (N)</u> | |

| MONITORING | Heartrate: | <u>(Stethoscope)</u> | EKG | Doppler | None | Data Sheets? <u>Y (N)</u> |
|------------|-------------------|----------------------|-----------------|---------|---------------|---------------------------|
| | Temperature: | Oral | Naso-pharyngeal | Rectal | <u>(None)</u> | <u>Y (N)</u> |
| | Respiratory Rate? | <u>(Y) N</u> | | | | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | Location(s): | |

Manatee ID: REC1503/SWFT-18205 Capture ID

Date: 20 JAN 2021

| | | | | |
|--------------------|--|---|-------------------|-------------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | <u>L / R</u> | |
| | | | <u>L / R</u> | |
| SAMPLES | Milk? <u>Y / N</u> volume: _____ ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <u>(Y) / N</u> | PIT tagged at this capture? <u>Y / (N)</u> | | |
| | PIT tagged by: | <u>SWF - LARA BRASO</u> | | |
| | Right # | <u>00-07BC-9B3Y</u> | | |
| | Left # | <u>00-07E5-BEEB</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: _____ | Antenna: _____ | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ | Length: _____ in. | Color: _____ |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: _____ | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / toc | Length: _____ ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>KYLIE LAWSON (FWC INTERN)</u> | | |
| | Exposures: | <u>2021-01-20_4191 THROUGH 4206</u> | | |
| SKETCHES | Sketched by: | <u>WILLIAM D. GREEN</u> | | |

COMMENTS

An old wound/scar was bleeding at the time of release.

MANATEE ALSO KNOWN AS: 35822

DEBBIE BRIGHT IS A BIOLOGIST WITH VOLUNTEER CAPACITY

ENVIRONMENTAL DATA WAS COLLECTED @ 1045.

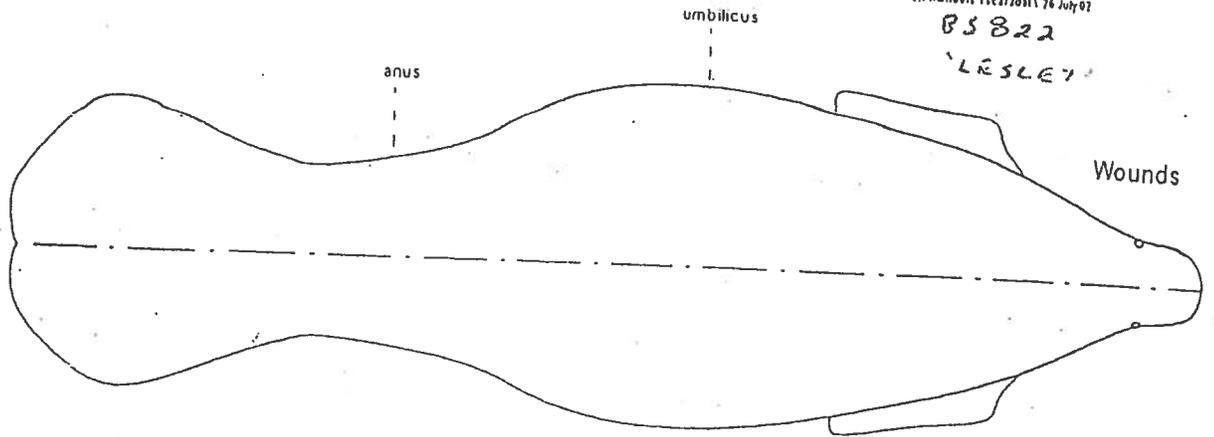
Date 20 JAN 2021

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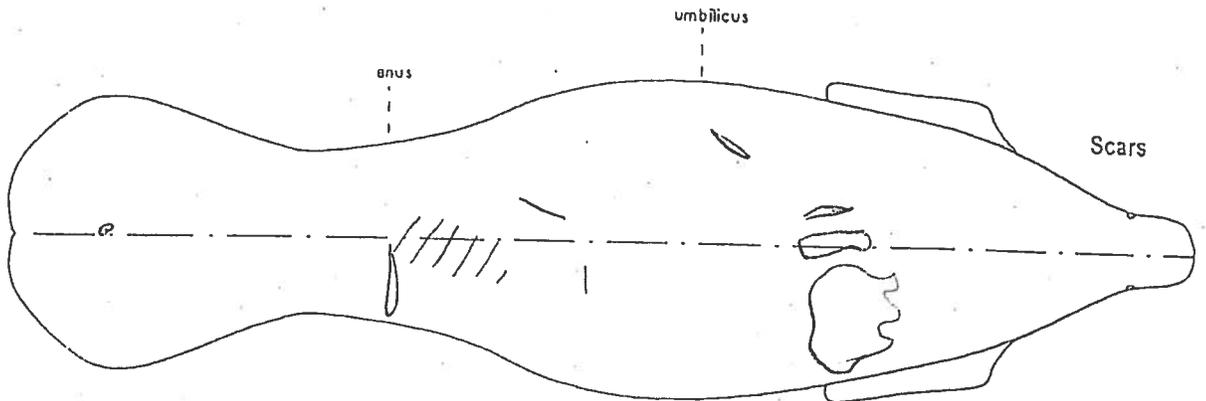
REC 1803
c.1 Manual Scar Data 76 July 02

BS822

'LESLEY'



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



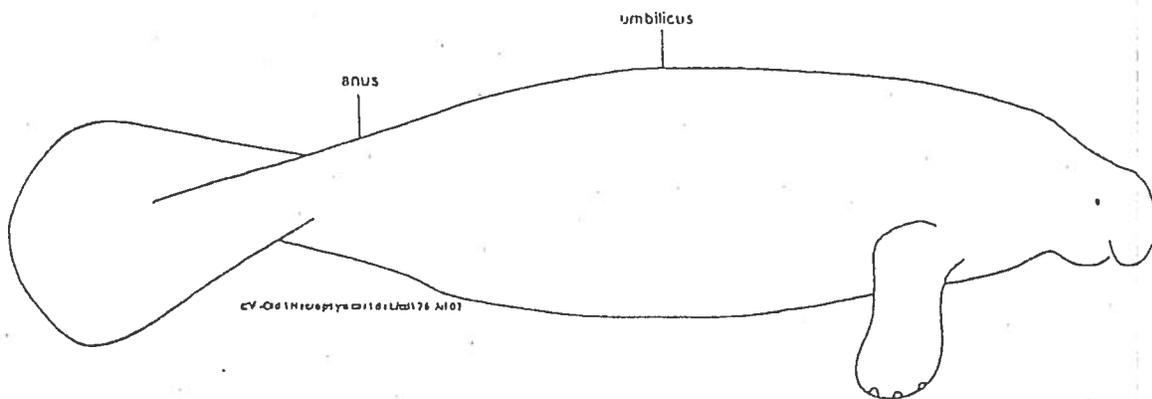
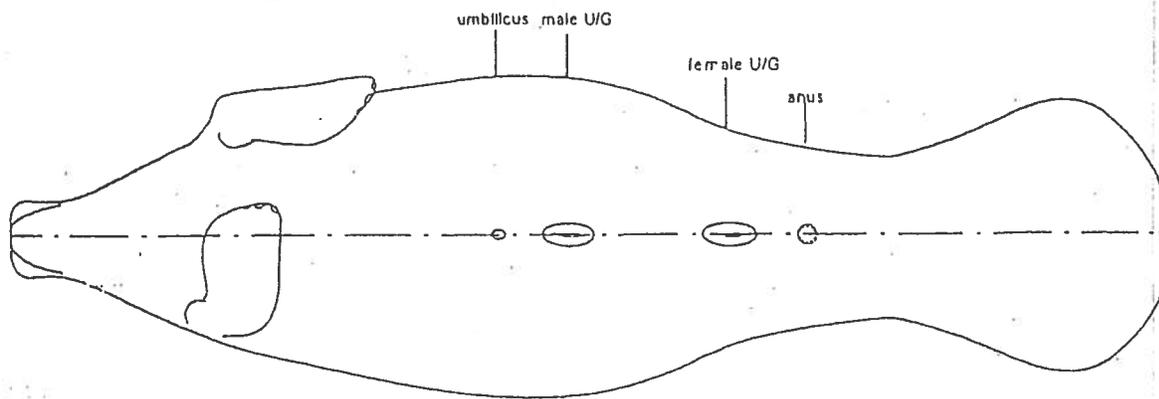
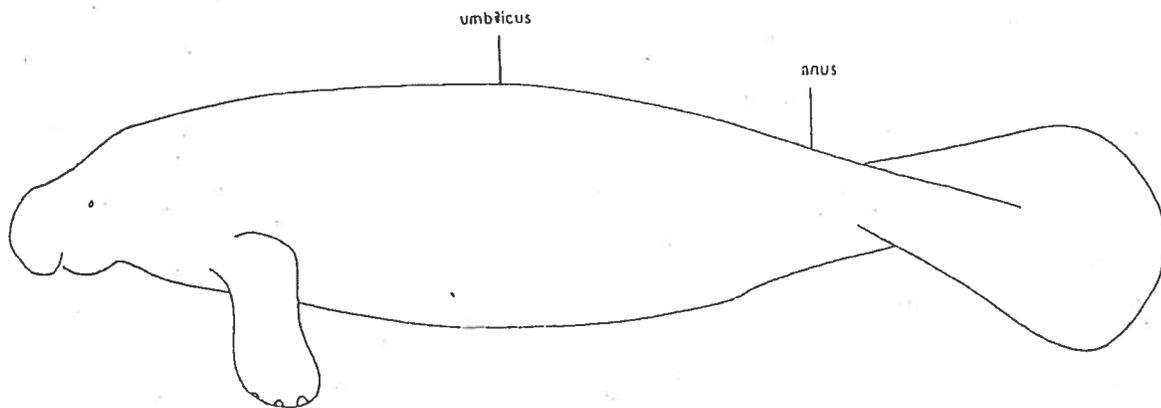
FIELD I.D.

SNFTm 18206

REC1803

BSB22

'LESLEY'



CV-06 11/10/03 18:16:11 176 M01

Resc / Rel
3/22/18 11/11/19

Rescue Report

REC1804

*Calf of Rescued
Mom
(SWFTM1820B
REC1803)*

GENERAL

| | | |
|--|-------------------------------------|--|
| Date of Rescue: 22 March 2018 | Date of Initial Call: 12 March 2018 | Filed by: W. Greer |
| Rescue ID: REC1804 | Facility ID: SWFTm1821b | Other ID: Leena |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Female | Length: 212 cm | Estimated: No |
| | Weight: 240 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: Florida | County: Volusia | City: Orange City |
| | | Waterway: St. Johns River |
| Latitude (Decimal Degrees): 28.94345° N | | Longitude (Decimal Degrees): -081.34093° W |
| Locality Description: Blue Springs State Park, approximately 65 m WNW of the Thursby House | | |
| Method of Capture or Assistance: Boat Based: Net Set | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u>Calf of rescued mother</u> | |

All Other

Describe: dependent calf of watercraft-injured mother (SWFTM1820b/REC1803/"Lesley").

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-03-22_0242 through 0252; FWC037_2018-03-22_4476 | |

HISTORY

| Date | Narrative |
|---------------|--|
| 12 March 2018 | At 0644 hrs, FWC biologist-William D. Greer (WDG) received an email from Save the Manatee Club (SMC)-Wayne Hartley (WH) regarding an injured manatee at Blue Spring State Park in Orange City, Volusia County. WH stated that the known manatee, "Lesley," was starting to look emaciated based on |

videos collected the week prior. WH also stated that the female manatee was often seen with a juvenile, but staff were unable to determine if it was the same animal at each sighting. WH forwarded photos from the day prior. WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) to discuss the situation and asked SMC staff to collect more information and photos to assess her condition.

14 March

At 1229 hrs, WDG received an email from SMC media specialist-Cora Berchem (CB) regarding "Lesley". CB sent photos of the manatee's ventrum revealing prominent longitudinal folds and stated that the juvenile was with "Lesley", but not nursing. WDG contacted AJG and SeaWorld Orlando-Jon Peterson (JP) to discuss rescue possibilities. SeaWorld agreed to take the injured manatee and assist with capture if available. Based on weather, rescue attempts were scheduled for 19 March 2018.

18-21 March

WH and CB were unable to locate "Lesley" in the spring run.

22 March

WDG received a phone call from CB regarding a sighting of "Lesley" in the spring run, accompanied by the juvenile. A total of 73 other manatees were observed. CB agreed to stay with the manatee until the rescue team arrived. WDG called AJG to request staff assistance and a rescue boat. WDG contacted SeaWorld-Lorri Braso to request rescue and transport assistance, but they were unable to assist. At 1210 hrs, WDG, FWC biologists-Danielle E. Carter and Sara M. Wappes (SMW), three FWC volunteers, and Volusia County stranding coordinator-Debbie Wingfield arrived at the French Ave. boat ramp. At 1230 hrs, AJG, FWC biologist-Sean Tennant, and UF resident-Dr. Alli Peterson arrived and launched the rescue boat. CB reported that the juvenile was still with "Lesley" and had been observed nursing that day. At 1315 hrs, a land based net set was attempted, but the manatees swam under the net. At 1345 hrs, a boat-based net set was used to successfully capture both manatees. WDG determined that "Lesley" was lactating from both teats. AJG confirmed with SeaWorld that there was room for the juvenile (REC1804) as well. The manatees were transported to the French Ave. boat ramp, loaded into the rescue truck at 1420 hrs, and transported to SeaWorld, arriving at 1530 hrs.

PARTICIPANTS

FWC ECFL: William D. Greer, Danielle E. Carter, Sara M. Wappes

FWC MMPL: Andrew J. Garrett, Sean Tennant

FWC volunteers: Leo Cross, Joe Wolf, Brittiny Bennett

Save the Manatee Club: Cora Berchem

University of Florida intern: Alli Peterson

Volusia County: Debbie Wingfield

Edited by:

GLL

DJS

AJG

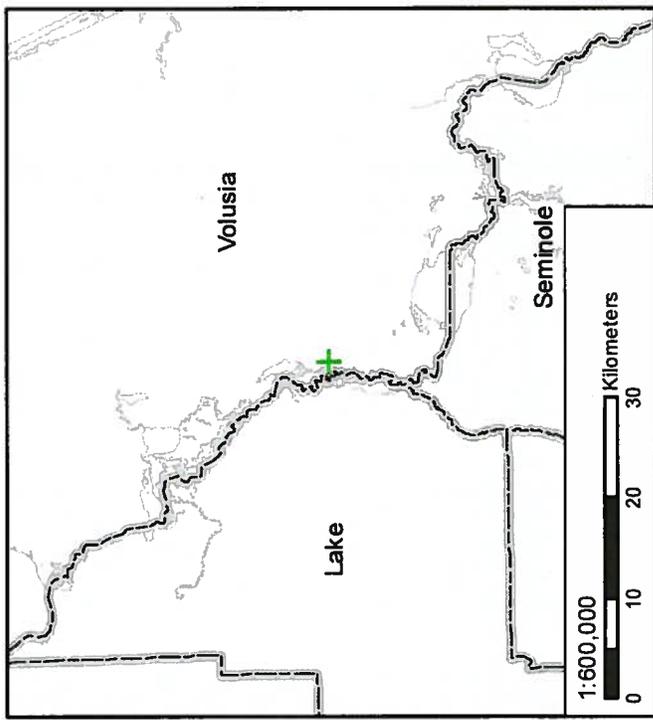
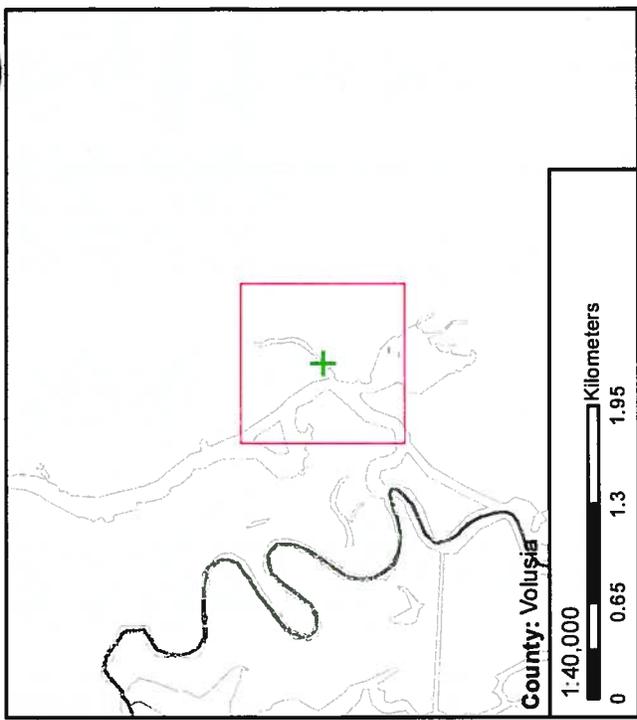
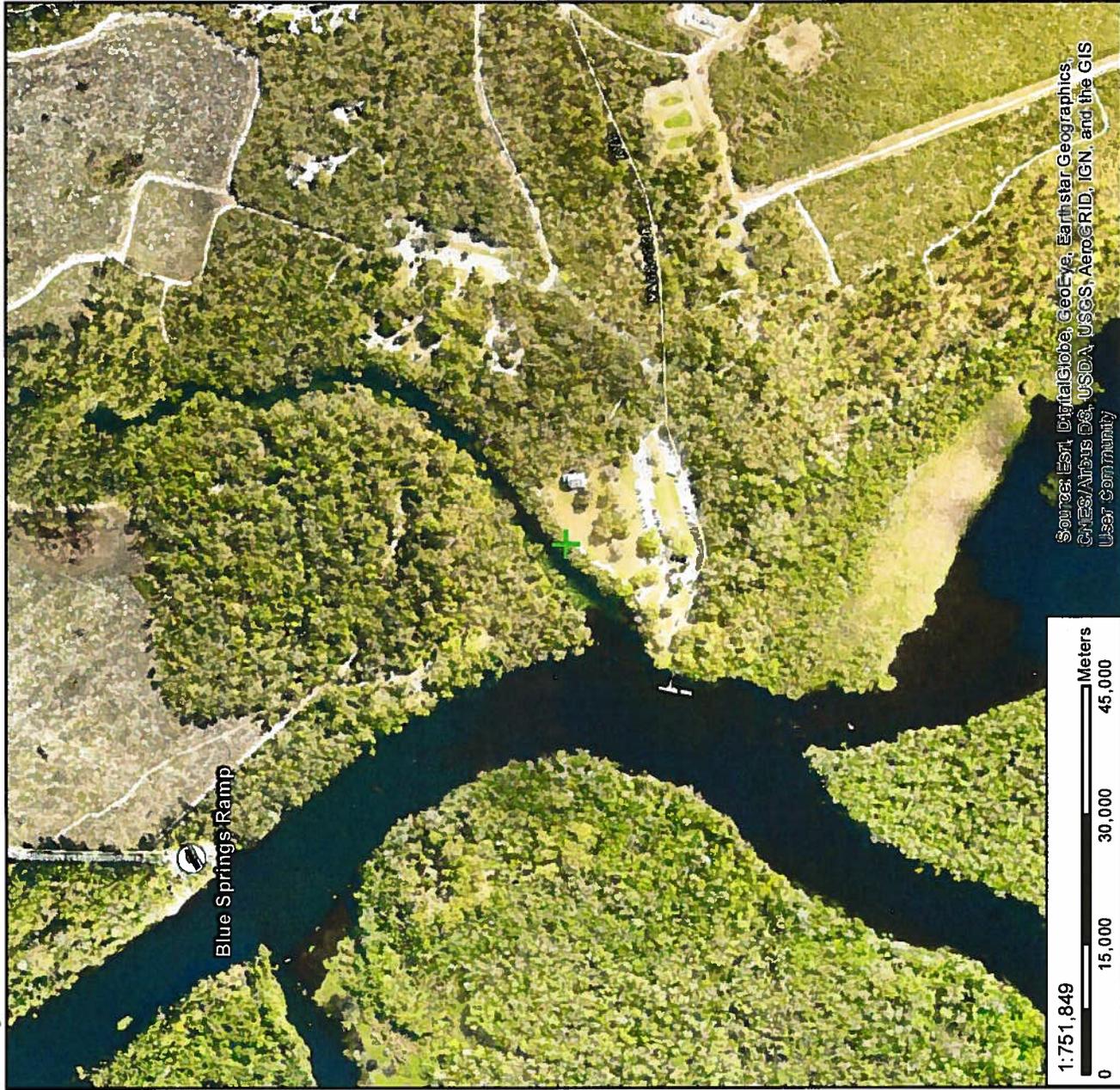
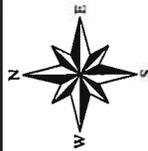


Verified Response Location of Manatee Rescue REC1804

Map Created 4/23/2019

Facility ID: SWFTm1821b

Rescue Date: 3/22/2018



Locality Description:

Blue Springs State Park, approximately 65 m WNW of the Thursby House

Latitude: 28.94345°N

Longitude: -81.34093°W

From: Garrett, Andy
Sent: Friday, March 23, 2018 9:12 AM
To: (Group)
Subject: Rescue Update

Blue Springs:

SW FTM1820B/REC1803/Lesley - Mom
SW FTM1821B/REC1804 - Calf

Lesley and her 212 cm female calf were captured in Blue Springs yesterday afternoon. The calf had been observed nursing off Lesley during previous observations, but was described as a being "juvenile sized". Both manatees stayed tight together during the pursuit and capture. Lesley was found to be lactating in both teats. Last year we caught Una and her 7 month old, 200 cm calf in Blue Springs. That calf's size had many of us scratching our heads, but seemed to support the theory that Blue Springs calves grow bigger and faster than calves in other parts of the state. We decided to be conservative and transport both to Sea World.

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(RU E1805)

Yesterday evening, a 305 cm male manatee was reported stranded on a mud flat near downtown Jacksonville. A rescue team responded (FWC, Jacksonville Zoo, Sea to Shore Alliance), with the Jacksonville Fire Department and pulled the manatee from the mud flat. The manatee appeared thin and cold stressed and was transported to Jacksonville Zoo for treatment.

Willoughby Creek:

Yesterday, FWC-SEFL biologists observed a buoyant and listing female manatee with a calf in Willoughby Creek. This pair has been observed using the creek over the past few weeks during the colder days. A rescue was planned for this morning, but the pair has not been located yet.

From: Garrett, Andy
Sent: Thursday, March 22, 2018 9:34 AM
To: (Group)
Subject: rescue alert

Blue Springs:

Over the past few weeks, Save the Manatee Club biologists have been monitoring a known thin manatee, Lesley (see attached photos) using the spring. Lesley has been reported in the spring with approximately 70 other manatees this morning. A rescue team is responding. If captured, the manatee will be transported to Sea World.

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-862

Manatee ID: SW 67182 /

Capture ID: _____

Data Recorder: _____

Name: L...

Date: _____

ID of its Calf / Mom: SW

Sex: M / F

TIMES

Initial Pursuit: _____

Net Set: _____

Captured (Onboard): _____

On Beach: _____

Released: 0830

CAPTURE

Location: _____

Latitude: _____ N

Longitude: _____ W

Water Temp: _____ C F

RELEASE

Location: _____

Latitude: _____ N

Longitude: _____ W

Water Temp: 14 (C F)

EVENT: Capture Rescue Pre-release Assess Release Post-release Assess

Workup Site: Air Temp = 20.1 C F Wind: 0 mph NW Cloud Cover: S P C MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|------------------------|------------------|
| Lengths | Total Length (curvilinear) (cm) | | |
| | Total Length (straight) | | |
| | Snout to Peduncle | N/T | |
| | Snout to Anus | N/T | |
| | Snout to Umbilicus | N/T | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: N/T cm | Belt Loc: in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>176 (1.57)</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>172.5 (1.57)</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>174.5 (1.57)</u> | |

| ULTRASOUND | | Reader Name: | | | |
|-----------------------|---------------|--------------|------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: 1 / 2 | 1 | / | / | / | |
| Other: | 2 | / | / | / | |
| | 3 | / | / | / | |

| CONDITION | Body Score: | 1 | 2 | 3 | 4 | 5 |
|---------------------------------|-------------|---|---|--|--------------------------------|---|
| Health Concerns? | | | | Y / N | (If yes, describe in comments) | |
| Peanut shaped head? | Y / N | | | Ribs visible? | Y / N | |
| Side between anus & peduncle: | | | | Rounded / Flat / Concave | | |
| Ventrum: | | | | Rounded / Flat / Concave / Ventral Fold: | | |
| Fresh Wounds or Lesions: | | | | Y / N | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | | | |
| Clinical Assessment Data Sheet? | | | | Y / N | | |

| REPROD. STATUS | Pregnant? | Y / N | Describe: |
|----------------|-----------|-------|-----------|
| Lactating? | | Y / N | |

| MONITORING | Heartrate: | Stethoscope | EKG | Doppler | None | Data Sheets? | Y | N |
|-------------------|------------|-----------------|--------|---------|------|--------------|---|---|
| Temperature: | Oral | Naso-pharyngeal | Rectal | None | | Y | N | |
| Respiratory Rate? | Y | N | | | | Y | N | |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | Location(s): | |

Manatee ID: _____ Capture ID: _____ Date: _____

| | | | | |
|--------------|----------------------|------------|---------------|---------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper L / R | # Tubes |
| | Drawn by: | | L / R | |

| | | | |
|----------------|----------------------|-------------------|---|
| SAMPLES | Milk? Y / N | volume: _____ ml | Refrig / Freeze |
| | Urine? Y / N | | Refrig / Freeze / EtOH |
| | Fecal? Y / N | | Freeze / EtOH |
| | Skin Scraping? Y / N | Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide |
| | Skin Biopsy? Y / N | Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide |
| | Tail Cookie? Y / N | Location: _____ | Freeze / _____ / DMSO |
| | Mucosal Swab? Y / N | Oral / Rectal | Refrig |
| | Other? Y / N | Tear Film / _____ | Freeze / _____ |

| | | |
|----------------|-------------------------------------|-----------------------------------|
| PIT TAG | Scanned for previous PIT tag? Y / N | PIT tagged at this capture? Y / N |
| | PIT tagged by: _____ | SEA WORLD ORLANDO - JOHN P. _____ |
| | Right # | Ø Ø - Ø 7 B 8 - E B 7 2 |
| | Left # | Ø Ø - Ø 7 A C - 5 6 B 5 |

| | | |
|------------------|-----------------------------|--|
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF |
| TAG | Tag ID# | |
| | Tag / Antenna Color(s) | Tag: _____ Antenna: _____ |
| | VHF Frequency | 164. _____ MHz |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz Code: _____ PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz Code: _____ PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches |
| | CR2a Programmed Release | Y / N Date/Time: _____ |

| | | | | |
|----------------|------------------|----------------|-------------|----------|
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |

| | | | | | |
|---------------|----------------------------|-----------------|----------|---------------|-----|
| TETHER | Strength / Joiner / Length | Strength: _____ | hs / tcc | Length: _____ | ft. |
| | Tagged by: | | | | |

| | | |
|--------------------|------------|---|
| PHOTOGRAPHS | Taken by: | SWI |
| | Exposures: | 2018-11-15-SWF-DSC0076 DSC0084, DSC0087 |

| | | |
|-----------------|--------------|--|
| SKETCHES | Sketched by: | |
|-----------------|--------------|--|

COMMENTS ENV. 10/11

ALL MEASUREMENTS AND OBSERVATIONS WERE MADE AT THE TIME OF CAPTURE.

ANIMAL WAS RELEASED BEFORE FULL STRENGTH ANESTHESIA.

ANIMAL WAS NOT SCANNED FOR PIT TAG BECAUSE REACTION, INTO STAIN FROM USING PIT TAG.

Resc / Rel
 3/26/18 ~~3/13/18~~
 3/7/19

Rescue Report

REC1805

GENERAL

| | | |
|---|-------------------------------------|---|
| Date of Rescue: 26 March 2018 | Date of Initial Call: 24 March 2018 | Filed by: W. Greer |
| Rescue ID: REC1805 | Facility ID: SWFTm1824b | Other ID: 'Bam Bam', REC1502, SWFTm1503b |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Male | Length: 242 cm | Estimated: No |
| | Weight: 259 kg | Estimated: No |
| PIT Tag Present: Yes | PIT Tag Applied: No | R: 00-079A-60A9 L: 00-079B-1A10 |
| State: Florida | County: Indian River | City: Roseland |
| | | Waterway: Indian River |
| Latitude (Decimal Degrees): 27.84248° N | | Longitude (Decimal Degrees): -80.47523° W |
| Locality Description: approximately 530 m ENE of 13580 N Indian River Drive | | |
| Method of Capture or Assistance: Boat Based: Net Set | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input checked="" type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: MRP manatee with severe cold stress lesions on cranial, lateral and ventral aspects; peanut-shaped head that appeared swollen. Captured for health assessment and determined he needed to be readmitted to rehabilitation.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-03-26_0264 through 0274; FWC037_2018-03-26 4491 | |

HISTORY

| Date | Narrative |
|----------------------|---|
| 24 March 2018 | At 2217 hrs, Sea to Shore biologist-Melody Fischer (MF) e-mailed FWC biologist-William D. Greer (WDG), FWC rescue coordinator-Andrew J. Garrett (AJG), SeaWorld-Jon Peterson (JP) and others regarding 'Bam Bam'—an MRP manatee that was released at Berkeley Canal on 07 March 2018. MF stated that 'Bam Bam' was showing signs of cold stress and was alone in the Indian River in Micco, Brevard County. |
| 25 March | At 1037 hrs, MF emailed WDG, AJG, JP and others stating that during an in-water assessment, 'Bam Bam' was bottom resting but had cold stress lesions on his face and body, and his head had a peanut shape and appeared swollen. WDG, AJG, and JP discussed a possible capture and health assessment on 26 March. |
| 26 March | At 1145 hrs, WDG and FWC biologist-Sara M. Wappes met SeaWorld Orlando staff at the Main Street boat ramp in Sebastian and launched the SeaWorld rescue boat. At 1237 hrs, a boat net set was completed and 'Bam Bam' was captured. At 1252 hrs, the rescue boat arrived at the Main Street boat ramp. 'Bam Bam' was transferred to the Sea World rescue truck and transported to SeaWorld Orlando by SeaWorld staff. |

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes

SeaWorld Orlando: Jon Peterson, Lorri Braso, Lara Croft, Becca Downey, Christy Unger

Edited by:

DJS
 GLL
 AJG

(Rev: 01/20/2017)



Verified Response Location of Manatee Rescue REC1805

Rescue Date: 3/26/2018

Facility ID: SWFTm1824b

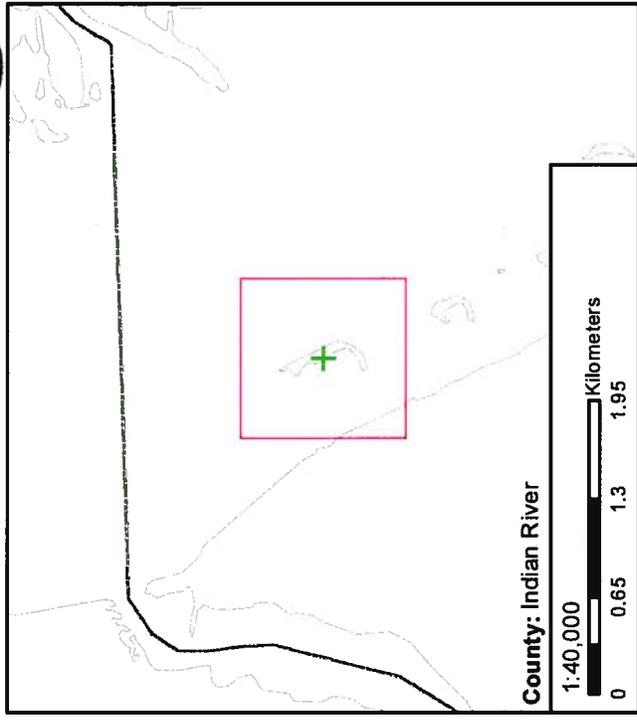
Map Created 4/23/2019



1:751,849
0 15,000 30,000 45,000
Meters

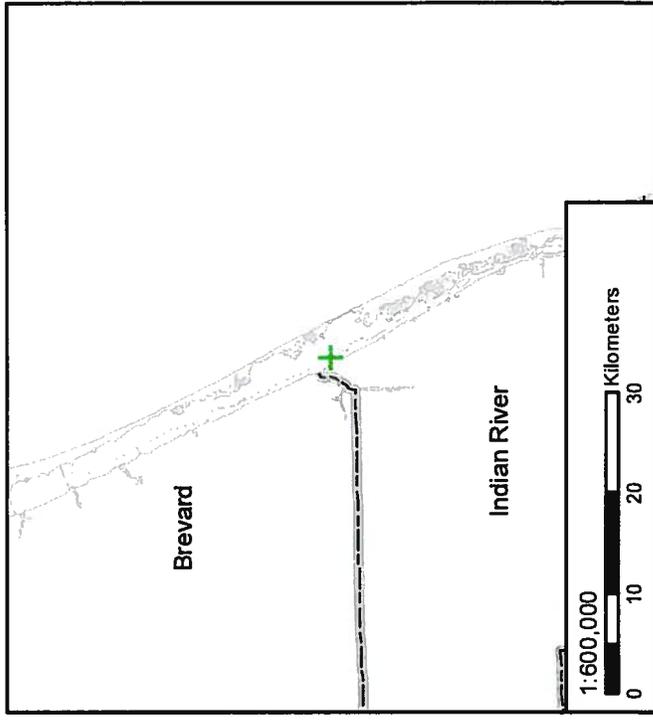
Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Locality Description:
approximately 530 m ENE of 13580 N Indian River Drive



County: Indian River

1:40,000
0 0.65 1.3 1.95
Kilometers



Brevard

Indian River

1:600,000
0 10 20 30
Kilometers

Latitude: 27.84248°N

Longitude: -80.47523°W

Szemer, Donna

From: Barlas, Margie
Sent: Tuesday, March 12, 2019 1:52 PM
To: Greer, Bill; Szemer, Donna
Cc: Lonati, Gina; Gordon, Nadia
Subject: RE: SWFTM1824B/REC1805 aka "Bam Bam" Release Datasheets
Attachments: RE: SWFTm1503b, Bam Bam

REC1805
REC1502

Based on this datasheet, Bam Bam was scanned for PIT tags at this event. These numbers match the PIT tags from 7Mar2018- the datasheet that mentions the animal had previous PIT tags that didn't register so it was PIT tagged again. So, we don't have a record of those first PIT tags, but have confirmation that these PIT tags are consistently being read. I've attached the original email chain to this email so that I can have everything together in my digital files.

Thanks,
Margie

From: Greer, Bill
Sent: Friday, March 08, 2019 8:52 AM
To: Peterson, Jon <jon.peterson@seaworld.com>; Braso, Lorri <Lorri.Braso@SeaWorld.com>; Garrett, Andy <Andy.Garrett@MyFWC.com>; Gordon, Nadia <Nadia.Gordon@MyFWC.com>; Lonati, Gina <Gina.Lonati@MyFWC.com>; Szemer, Donna <Donna.Szemer@MyFWC.com>; Bassett, Brandon <Brandon.Bassett@MyFWC.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>
Subject: SWFTM1824B/REC1805 aka "Bam Bam" Release Datasheets

Formerly known as: SWFTM1503B/REC1502

Attached.

Bill Greer

Marine Mammal Biologist
Melbourne Beach Marine Mammal Lab
4020 South Highway A1A
Melbourne Beach, Florida 32951
Cell (321) 626-7367
Office (321) 953-5037



Florida Fish and Wildlife
Conservation Commission

Wildlife Alert: 1-888-404-3922

Szemer, Donna

From: Szemer, Donna
Sent: Friday, January 18, 2019 1:13 PM
To: Barlas, Margie; Greer, Bill
Subject: RE: SWFTm1503b, Bam Bam

I haven't checked into this, but 2 of the 3 recent releases were supposed to have two PIT tags and only one read... It also seems like there is a lot of typos and incorrect info in the web database lately.

From: Barlas, Margie
Sent: Thursday, January 17, 2019 11:52 AM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>; Greer, Bill <Bill.Greer@MyFWC.com>
Subject: RE: SWFTm1503b, Bam Bam

Seems like there have been a few situations like this recently. The recent datasheets that we got from Gina had only one shoulder that read.... Donna, have you noticed this?

From: Szemer, Donna
Sent: Wednesday, January 16, 2019 4:05 PM
To: Greer, Bill <Bill.Greer@MyFWC.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>
Subject: RE: SWFTm1503b, Bam Bam

Maybe he got Bam Bam mixed up with another one.
We'll have to be sure to check at release.
Thanks!
D.

From: Greer, Bill
Sent: Wednesday, January 16, 2019 4:01 PM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>
Subject: Re: SWFTm1503b, Bam Bam

JP said he was already tagged but we got nothing when scanning at the release so we put in "new" ones.

Bill

Sent from my FWC iPhone

From: Szemer, Donna <donna.szemer@myfwc.com>
Sent: Wednesday, January 16, 2019 3:46 PM
To: Barlas, Margie; Greer, Bill
Subject: RE: SWFTm1503b, Bam Bam

Not that I know of.

I do not have any indication that it was PIT tagged prior to the release date. The only indication of two sets of PIT tags was a notation on the release HA.

Bill, did someone tell you that he had already been tagged? Maybe they were mistaken.

Let's make sure to get an accurate reading before he is released.

Thanks!

D.

From: Barlas, Margie

Sent: Monday, December 10, 2018 3:30 PM

To: Szemer, Donna <Donna.Szemer@MyFWC.com>; Greer, Bill <Bill.Greer@MyFWC.com>

Subject: RE: SWFTm1503b, Bam Bam

Was this resolved? If not, would probably be a good idea to scan for multiple PIT tags when the manatee is released this winter.

From: Szemer, Donna

Sent: Monday, June 11, 2018 9:57 AM

To: Peterson, Jon <Jon.Peterson@SeaWorld.com>; Croft, Lara <Lara.Croft@SeaWorld.com>

Cc: Greer, Bill <Bill.Greer@MyFWC.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>

Subject: RE: SWFTm1503b, Bam Bam

Good Morning!

Can someone please verify that Bam Bam, SWFTM1503B/SWFTM1824B had two sets of PIT tags inserted?

The notes on the Health Assessment form (conducted on March 7th) states that the original ones did not register and a second set was inserted at that time.

If so, can I also get those numbers, the date, and who inserted them?

Thanks!

Donna

From: Szemer, Donna

Sent: Friday, March 16, 2018 2:44 PM

To: 'Peterson, Jon' <Jon.Peterson@SeaWorld.com>; Croft, Lara <Lara.Croft@SeaWorld.com>

Cc: Greer, Bill <Bill.Greer@MyFWC.com>; Barlas, Margie <Margie.Barlas@MyFWC.com>

Subject: SWFTm1503b, Bam Bam

I see a note on the Health Assessment form that new PIT tags were inserted at Bam Bam's release because the originals were not registering.

Can someone please send me the date these first ones were inserted, who did so, and the PIT tag numbers so I can include this in my records (on the off chance they start to register again)?

Also, I will record these and the new PIT tag numbers in the web database.

Thanks!

Donna

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWI TA113248/RIC1305

Capture ID: _____

Data Recorder: Way R Bukowski

Name: RAM RAM

Date: 07 March 2019

William G Greer

ID of its Calf / Mom: _____

Sex: (M) / F

TIMES

Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: 1047

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: FPL-CCFC OUTPOST
 Latitude: 28.4704944 N
 Longitude: -80.7613750 W
 Water Temp: 21.4 C F

EVENT: _____ Capture _____ Rescue _____ Pre-release Assess. _____ Release _____ Post-release Assess. _____
 Workup Site: Air Temp = 16.0 °C F Wind: 10 mph N Cloud Cover: (S) PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| | <u>865</u> lbs | | |
| Lengths | Total Length (curvilinear) (cm) | <u>278/272</u> | |
| | Total Length (straight) | <u>259/252</u> | |
| | Snout to Peduncle | <u>181</u> | |
| | Snout to Anus | <u>164</u> | |
| | Snout to Umbilicus | <u>93</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>114</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>157</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>198</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>171</u> | |

| ULTRASOUND | Reader Name: | | | |
|------------------------------|---------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>3+</u> | 4 | 5 |
|---------------------------------|----------------|---|---|------------------------------------|---|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | / Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | / <u>Flat</u> / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>Monica Ross / William Greer</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? | <u>Y / (N)</u> | Describe: |
|----------------|-----------|----------------|-------------|
| | | | <u>Male</u> |
| Lactating? | | <u>Y / (N)</u> | |

| MONITORING | Heartrate: | Stethoscope | EKG | Doppler | <u>None</u> | Data Sheets? | <u>Y</u> <u>(N)</u> |
|------------|-------------------|---------------------|-----------------|---------|-------------|--------------|---------------------|
| | Temperature: | Oral | Naso-pharyngeal | Rectal | <u>None</u> | | <u>Y</u> <u>(N)</u> |
| | Respiratory Rate? | <u>Y</u> <u>(N)</u> | | | | | <u>Y</u> <u>(N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | Location(s): | |

Manatee ID: SW7M13248/R+C1805 Capture ID

Date: 07 March 2019

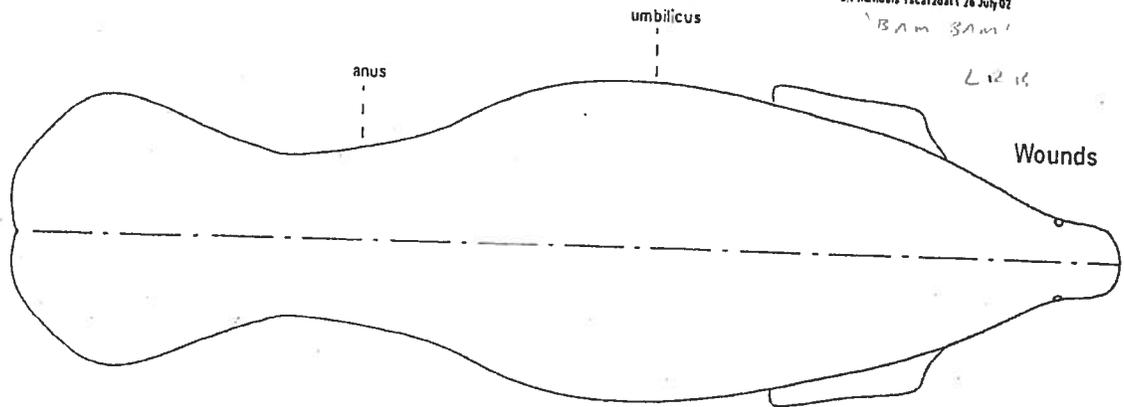
| | | | | |
|--|---|---|------------------------------|----------------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: <u> </u> ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: <u> </u> | Freeze / <u> </u> / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / <u> </u> | Freeze / <u> </u> | | |
| PIT TAG | Scanned for previous PIT tag? <u>Y / N</u> | PIT tagged at this capture? <u>Y / (N)</u> | | |
| | PIT tagged by: | <u>SWF-JAN PERKINSON</u> | | |
| | Right # | <u>00 - 079A - 60A9</u> | | |
| | Left # | <u>00 - 079B - 1A10</u> | | |
| TELEMETRY | Tag Type | <u>Argos-GPS / PTT / VHF</u> | | |
| TAG | Tag ID# | <u>177777</u> | | |
| | Tag / Antenna Color(s) | Tag: <u>BLUE/GREEN</u> | Antenna: <u>YELLOW/WHITE</u> | |
| | VHF Frequency | 164. <u>385</u> MHz | | |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| BELT | ID# / Size / Color | FWG <u>319</u> Length: <u>44</u> in. Color: <u>YELLOW</u> | | |
| | Belt Sonic ID: FWC <u>N/A</u> | Freq: <u>72</u> kHz | Code: <u>366</u> | PI: <u>880</u> msec |
| | Belt Knot / Webbing Exposed | <u>Left</u> / Right <u>1/2</u> inches | | |
| | CR2a Programmed Release | Y / N Date/Time: <u> </u> | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | <u>20343787</u> | | |
| | Logger Location | <u> </u> | | |
| TETHER | Strength / Joiner / Length | Strength: <u>50</u> hs / tcc Length: <u>4</u> ft. | | |
| | Tagged by: | <u>SBS - MONICA ROSS + ANDREW MATTHEW</u> | | |
| PHOTOGRAPHS | Taken by: | <u>Sara M. Wappes</u> | | |
| | Exposures: | <u>2019-03-07 - FWC025-7462 THROUGH 7502</u> | | |
| SKETCHES | Sketched by: | <u>LUCY R. BURKOWSKI</u> | | |
| COMMENTS | | | | |
| <p>Previous rescue ID: SW7M15033/R+C1502</p> <p>TIP: (N)</p> <p>TOTAL LENGTH IS (EST LENGTH) ACTUAL LENGTH DUE TO TAIL METALLINGS</p> <p>ENVIRONMENTAL DATA COLLECTED AT 11:05 HRS, COLLECTED AT "CUBBER'S" RESCUE</p> | | | | |

Date 07 Nov 2001

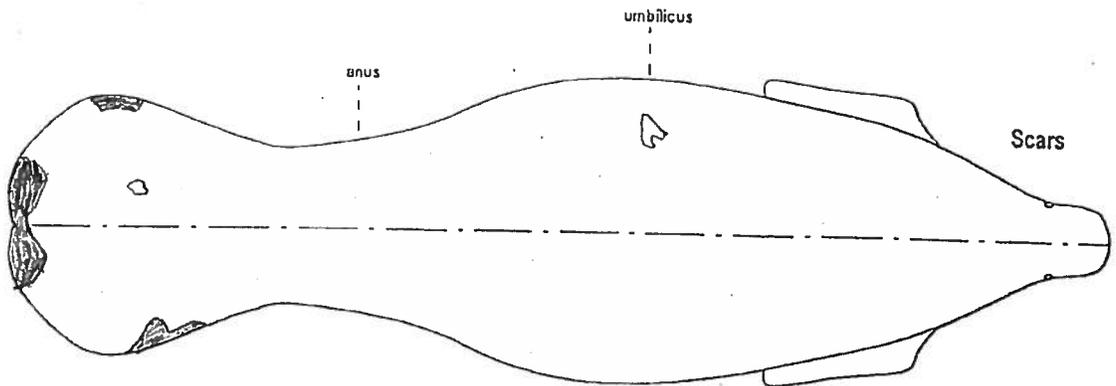
Field I.D. SWFTM1824R

REC 1805
c.1 Manuals / scar2dat1 26 July 02
BAM BAM

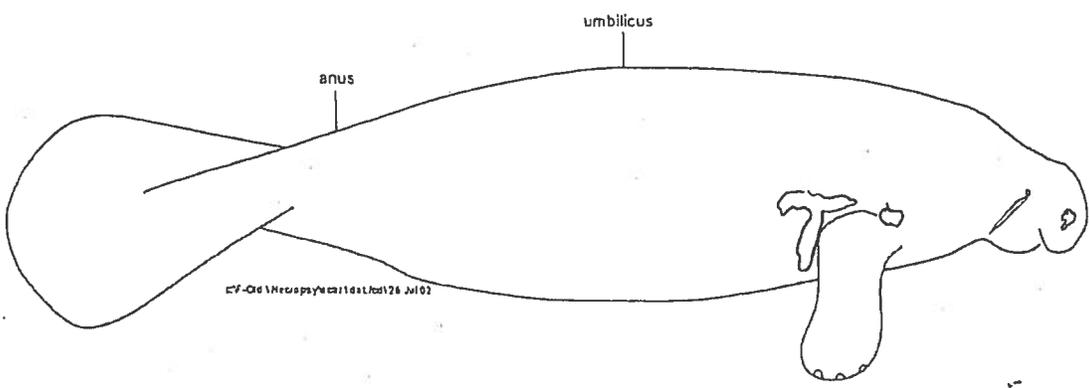
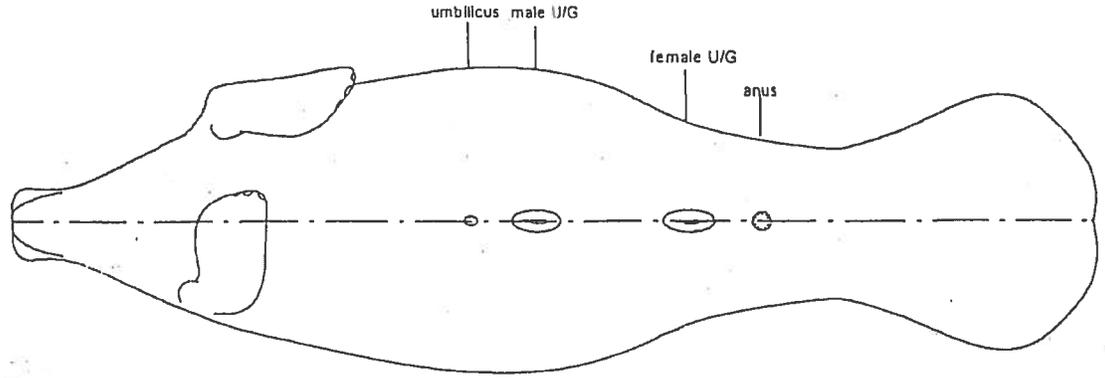
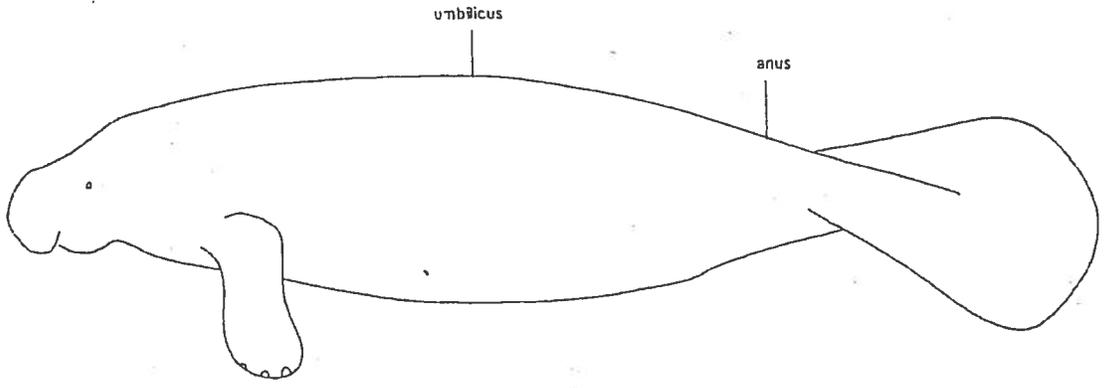
L 12 16



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SIVTm1824B
RCC 1805
'BAM BAM'



CV-06 Neurophysiology Lab 126 Jul 02

Rescue Report

REC1807

*Entanglement
Crab trap*

GENERAL

| | | |
|---|-------------------------------------|---|
| Date of Rescue: 20 April 2018 | Date of Initial Call: 19 April 2018 | Filed by: S. Wappes |
| Rescue ID: REC1807 | Facility ID: SWFTm1832b | Other ID: PE045 |
| FWC Case Number: 4712 | FWC Region: NE | |
| Sex: Female | Length: 329 cm | Estimated: No |
| | Weight: 815 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 0007AC5650 |
| | | L: 00079ACC9E |
| State: FL | County: Brevard | City: Titusville |
| | | Waterway: Indian River |
| Latitude (Decimal Degrees): 28.49255° N | | Longitude (Decimal Degrees): -80.77549° W |
| Locality Description: approximately 405 m SSE of 7745 S Hwy 1 | | |
| Method of Capture or Assistance: Boat Based: Net Set | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

Gear Type: (Check all that apply)

| | |
|--|---|
| <input type="checkbox"/> Monofilament Line | <input checked="" type="checkbox"/> Polyprop/Nylon Line |
| <input type="checkbox"/> Hook | <input checked="" type="checkbox"/> Buoy |
| <input type="checkbox"/> Sinker | <input checked="" type="checkbox"/> Trap |
| <input type="checkbox"/> Net | <input type="checkbox"/> Other (Specify) _____ |

Location of Entanglement: Proximal one-third of the right pectoral flipper

If Crab Pot:

Float#: V-8807 Color: Yellow Line Type: 3/8-inch Polyprop

Damage from Gear:

| | |
|---|---|
| <input type="checkbox"/> No Damage | <input checked="" type="checkbox"/> Abrasions |
| <input checked="" type="checkbox"/> Breaking Skin Surface Depth of Entanglement Penetration: N/T | |

Comments: Rope from the crab trap was wrapped tightly twice around the proximal one-third of the right pectoral flipper. The rope indented and abraded the skin on all aspects. In addition, it broke the skin surface on the ventral aspect of the flipper, and there was a trace amount of blood present. There was also scarring present on the ventral aspect of the flipper. Another blue crab and a stone crab trap were entwined with the gear of the trap causing the main entanglement, but these additional two traps were not directly wrapped around the manatee.

Gear Retained? Yes No

Rescue Report

REC1807

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-04-19_0983 through 0999; FWC025_2018-04-20_1007 through 1046; FWC037_2018-04-20_4497 | |

HISTORY

| Date | Narrative |
|----------------------|---|
| 19 April 2018 | <p>At 1135 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee at the intake of the Orlando Utility Company (OUC) power plant in the Indian River in Titusville, Brevard County. FWC case number 4712 was assigned. The complainant, Dustin Catrett, stated that there was a manatee that was wrapped in several buoys and appeared to be struggling. At 1141 hrs, SMW received a photo verifying a manatee entangled in three crab trap buoys. SMW and FWC biologist-William D. Greer (WDG) arrived at the manatee's location at 1208 hrs. WDG called FWC Manatee Rescue Coordinator-Andrew J. Garrett (AJG) and SeaWorld Orlando-Jon Peterson (JP) to inform them of the situation and ask JP to assemble a rescue team and assist with a boat-based manatee rescue. SeaWorld arrived at Florida Power & Light Company's Cape Canaveral Energy Center (CCEC) boat ramp at 1435 hrs and launched the boat by 1525 hrs. The rescue attempt was called off at 1630 hrs, when the rescue team was unable to separate the target manatee from another manatee.</p> |
| 20 April 2017 | <p>At 0800 hrs, WDG asked OUC security if the manatee was still around the intake. At 0820 hrs, OUC security confirmed the manatee was still in the canal and alone. At 1035 hrs, WDG and FWC intern-Halley T.M. Carruthers (HTMC) launched the ECFL Key West from the FPL CCEC boat ramp. WDG contacted AJG to inform him of the rescue and JP to request assistance. At 1350 hrs, SMW, FWC volunteer-Joe Wolf (JW) and a SeaWorld crew launched the SeaWorld rescue boat from the FPL CCEC boat ramp and at 1415 hrs, the manatee was caught with a boat-based net set. At 1450 hrs, the manatee was transferred to the FPL CCEC boat ramp and unloaded using a Lull lift. The gear was removed, and the manatee was assessed, PIT tagged, photographed, measured, and then released at the FPL CCEC boat ramp at 1550 hrs.</p> |

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes

FWC Intern: Halley T. M. Carruthers

FWC Volunteer: Joe Wolf

SeaWorld: Jon Peterson, Kristy Unger, Nik Ricci, Kelly Cluckey, Jen Parnell

Edited by:

DJS

GLL

AJG

(Rev. 01/20/2017)



Verified Response Location of Manatee Rescue REC1807



Rescue Date: 4/20/2018

Facility ID: SWFTm1832b

Map Created 10/7/2019



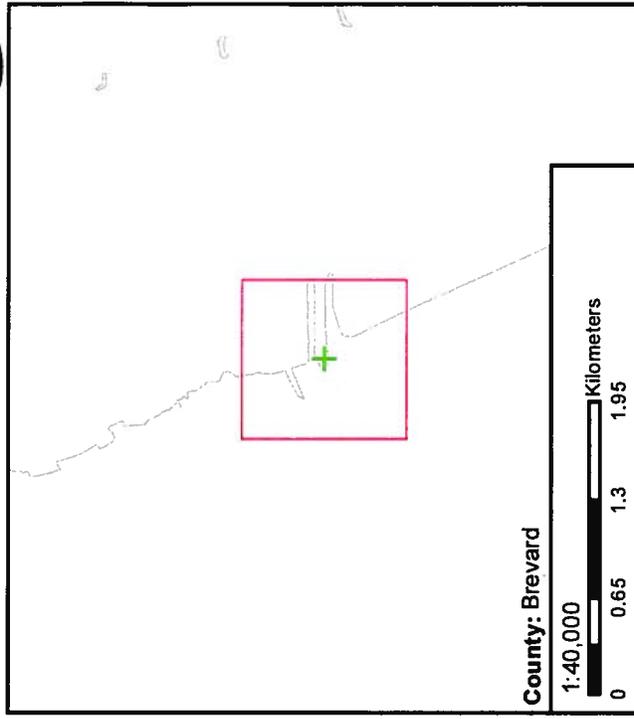
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

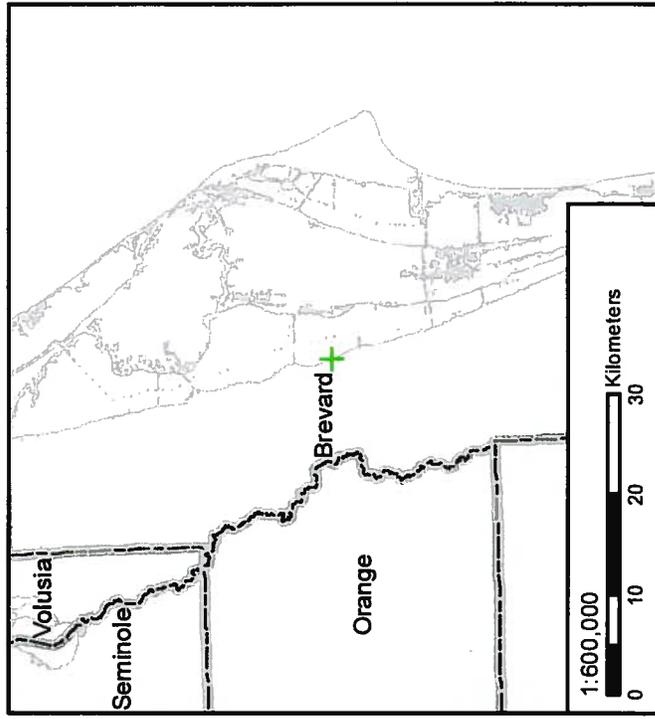
Locality Description:

approximately 405 m SSE of 7745 S Hwy 1



County: Brevard

1:40,000



1:600,000



Latitude: 28.49255°N

Longitude: -80.77549°W

Asst. + Rel

From: Garrett, Andy
Sent: Friday, April 20, 2018 3:47 PM
To: (Group)
Subject: RE: Rescue Alert

Entanglement
Crab trap

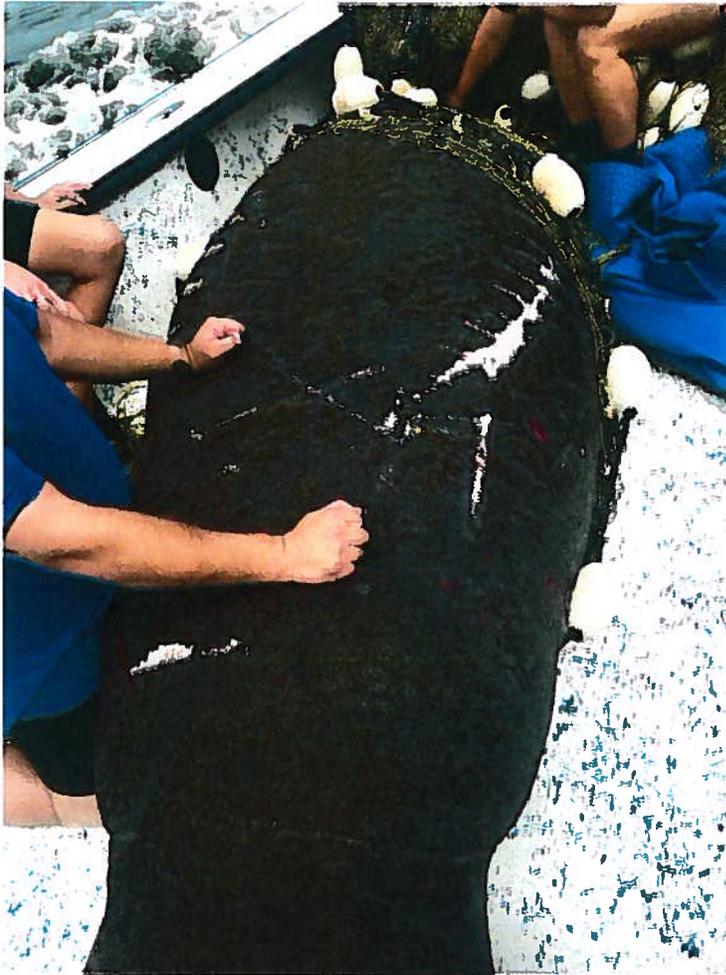
All,

Change of plans, the rescue team better evaluated the flippers (see attached photos) and decided not to take her into rehab. The line was embedded (not embodied), but not at a level where rehab is needed. The estimated 2000 lbs female will be processed (PIT tags, measurements, photos, blood) and released in the next few minutes.



From: Garrett, Andy
Sent: Friday, April 20, 2018 2:44 PM
To: (Group)
Subject: RE: Rescue Alert

Port St. John manatee has been captured. The line is embodied in the flipper, so the manatee will be transported to Sea World for treatment.



From: Garrett, Andy
Sent: Friday, April 20, 2018 1:48 PM
To: (Group)
Subject: Rescue Alert

The entangled Port St. John manatee was relocated in the OUC canal by FWC this morning and currently the manatee is alone. A rescue team will be attempting a capture in a few minutes.

From: Garrett, Andy
Sent: Thursday, April 19, 2018 4:43 PM
To: (Group)
Subject: RE: IMG_44921.jpg

Unfortunately, the rescue team could not separate the entangled manatee (approximately 11 ft) from a 12 ft manatee in the canal. This capture has been postponed for today.

From: Garrett, Andy
Sent: Thursday, April 19, 2018 1:01 PM
To: (Group)
Subject: FW: IMG_44921.jpg

Port St. John:

This morning, FWC responded to a report of a crab trap entangled adult manatee in the OUC intake canal. The manatee appears to be entangled in at least three crab trap buoys. A rescue team is head out to the manatee. If/when captured, the manatee will be assessed to determine if rehab is necessary. If rehab is necessary, the manatee will be transported to Sea World.



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF 7m 1832 b/RCC1807 Capture ID: _____

Data Recorder: BILL GREER

Name: 'PE045'

Date: 20 APR 2018

ID of its Calf / Mom: _____

Sex: M / (F)

| TIMES | |
|--------------------|-------------|
| Initial Pursuit: | <u>1413</u> |
| Net Set: | <u>1415</u> |
| Captured(Onboard): | <u>1432</u> |
| On Beach: | <u>1452</u> |
| Released: | <u>1550</u> |

| CAPTURE | |
|-------------|-------------------------|
| Location: | <u>DOC INTAKE CANAL</u> |
| Latitude: | <u>28.4925417</u> N |
| Longitude: | <u>-080.7754806</u> W |
| Water Temp: | <u>N/T</u> C F |

| RELEASE | |
|-------------|---------------------------|
| Location: | <u>FPL-CEEC BOAT RAMP</u> |
| Latitude: | <u>28.4678167</u> N |
| Longitude: | <u>-080.7619556</u> W |
| Water Temp: | <u>27.0</u> C F |

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 28.6 C F Wind: 4 mph NE Cloud Cover: S (PC) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|-----------------------------------|-------------------------------|------------------|
| | <u>816 kg (EST)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>N/T</u> | |
| | Total Length (straight) | <u>329</u> | |
| | Snout to Peduncle | <u>N/T</u> | |
| | Snout to Anus | <u>N/T</u> | |
| | Snout to Umbilicus | <u>N/T</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>N/T</u> cm | Belt Loc: in |
| | Girth at Anus: actual or 1/2 | <u>N/T</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>N/T</u> | |
| | Girth at Axilla: actual or 1/2 | <u>N/T</u> | |

| ULTRASOUND | | Reader Name: | | | |
|------------------------------|---------------|--------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | 3 | <u>(4)</u> | 5 |
|---------------------------------|----------------|---|---|---|-------------------|-----------------------------------|
| Health Concerns? | | | | | <u>Y / (N)</u> | (If yes, describe in comments) |
| Peanut shaped head? | <u>Y / (N)</u> | | | | | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | | | | | <u>(Rounded)</u> | Flat / Concave |
| Ventrum: | | | | | <u>(Flat)</u> | Rounded / Concave / Ventral Folds |
| Fresh Wounds or Lesions: | | | | | <u>(Y) / N</u> | (If yes, describe in comments) |
| Person(s) assessing condition: | | | | | <u>BILL GREER</u> | |
| Clinical Assessment Data Sheet? | | | | | <u>Y / (N)</u> | |

| REPROD. STATUS | Pregnant? Y / N | Describe: |
|----------------|-----------------|----------------|
| | <u>Y / N</u> | <u>UNKNOWN</u> |
| Lactating? | <u>Y / (N)</u> | |

| MONITORING | Heartrate: Stethoscope EKG Doppler | <u>(None)</u> | Data Sheets? Y N |
|------------|--|---------------|------------------|
| | Temperature: Oral Naso-pharyngeal Rectal | <u>(None)</u> | <u>Y N</u> |
| | Respiratory Rate? <u>(Y) N</u> | | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: SWFTM18325/REC1807 Capture ID

Date: 20 APR 2018

| | | | | |
|--------------------|---|--|-------------|----------------|
| BLOOD | Collect Blood? Y / <input checked="" type="radio"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / <input checked="" type="radio"/> N volume: _____ ml | Refrig / Freeze | | |
| | Urine? Y / <input checked="" type="radio"/> N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / <input checked="" type="radio"/> N | Freeze / EtOH | | |
| | Skin Scraping? Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / <input checked="" type="radio"/> N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / <input checked="" type="radio"/> N Location: _____ | Freeze / _____ / DMSO | | |
| | Mucosal Swab? Y / <input checked="" type="radio"/> N Oral / Rectal | Refrig | | |
| | Other? Y / <input checked="" type="radio"/> N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / N | PIT tagged at this capture? <input checked="" type="radio"/> Y / N | | |
| | PIT tagged by: | SWF - JON PETERSON | | |
| | Right # | Ø Ø - Ø 7 A C - 5 6 5 Ø | | |
| | Left # | Ø Ø - Ø 7 9 A - C C 9 E | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | SARA M. WAPPES | | |
| | Exposures: | FWC 25, 2018-04-20_1007-1046 | | |
| SKETCHES | Sketched by: | WILLIAM O. GREER | | |

COMMENTS

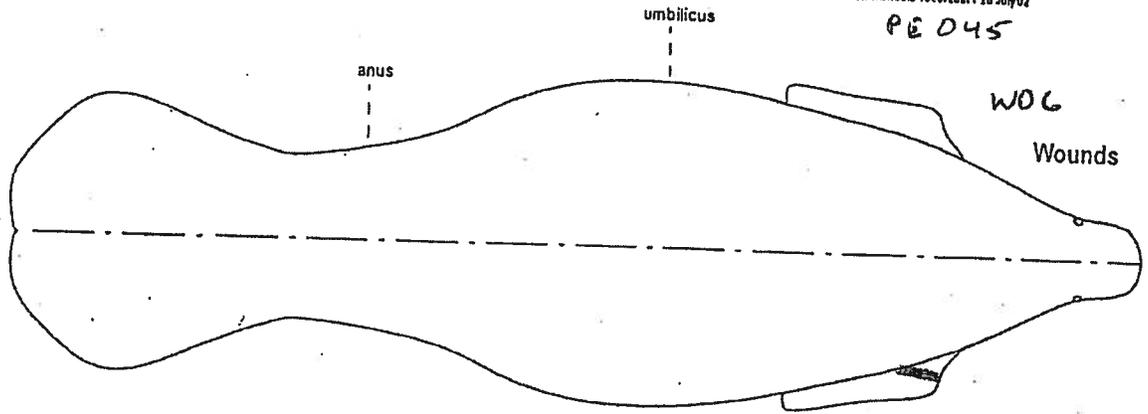
PREVIOUSLY KNOWN PHOTO ID ANIMAL 'PE045'!

MANATEE WAS RESCUED FOR CRAB TRAP ENTANGLEMENT, GEAR WAS REMOVED FROM RIGHT FLIPPER BUT THERE WERE SOME MINOR WOUNDS AND A TRACE AMOUNT OF BLOOD PRESENT. DR LARA CROFT ADVISED IT WAS ALRIGHT TO REMOVE GEAR AND RELEASE THE MANATEE.

Date 20 APR 2013

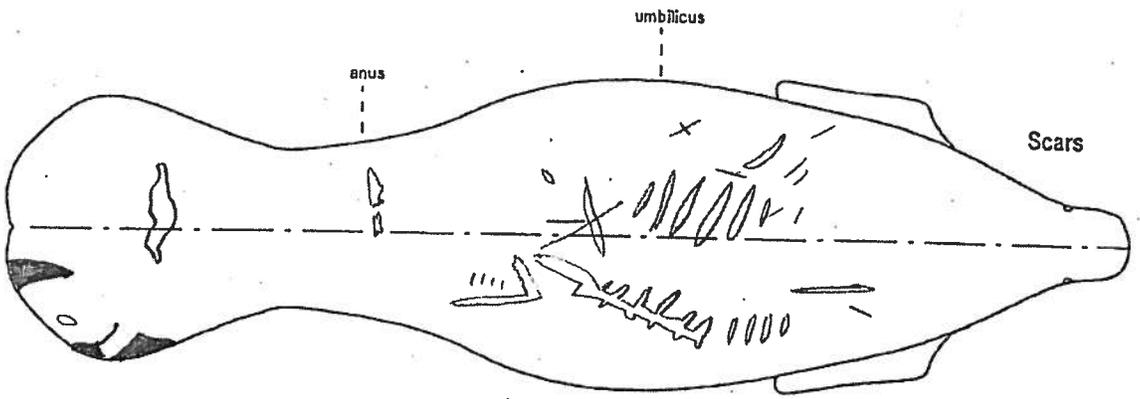
Field I.D. SWF TA 1832b

REC1807
c:\Manuals\ScarDat\1 26 July 02
PE045



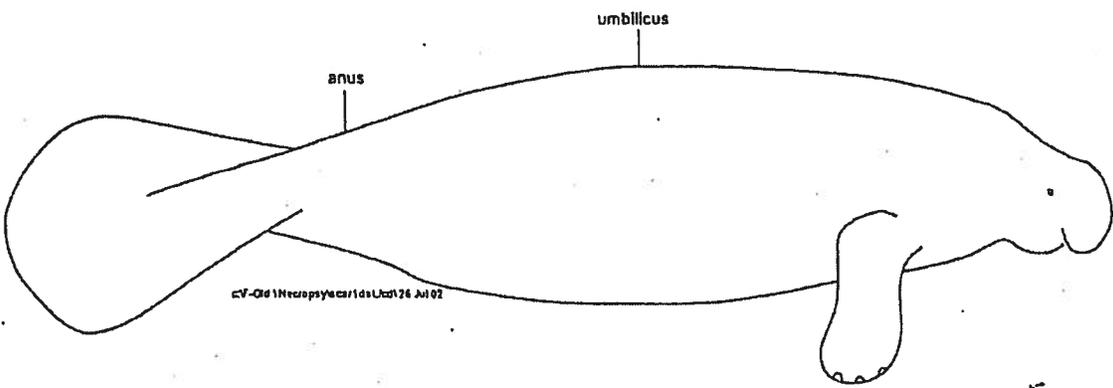
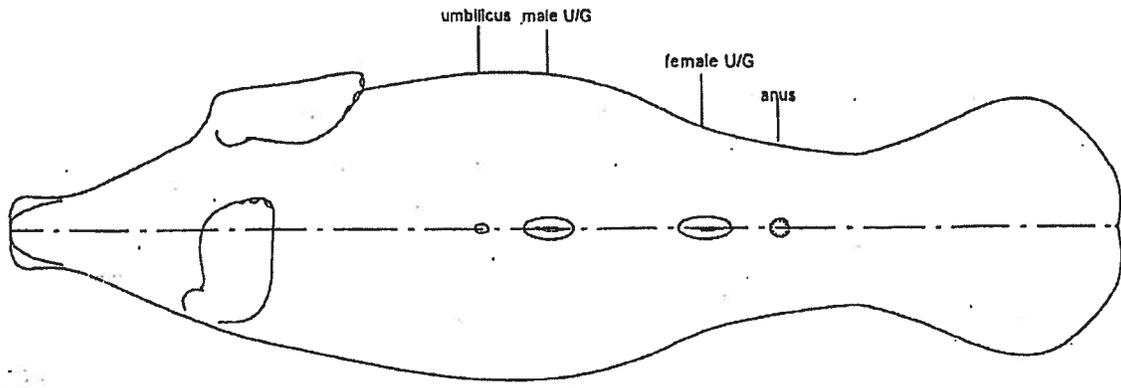
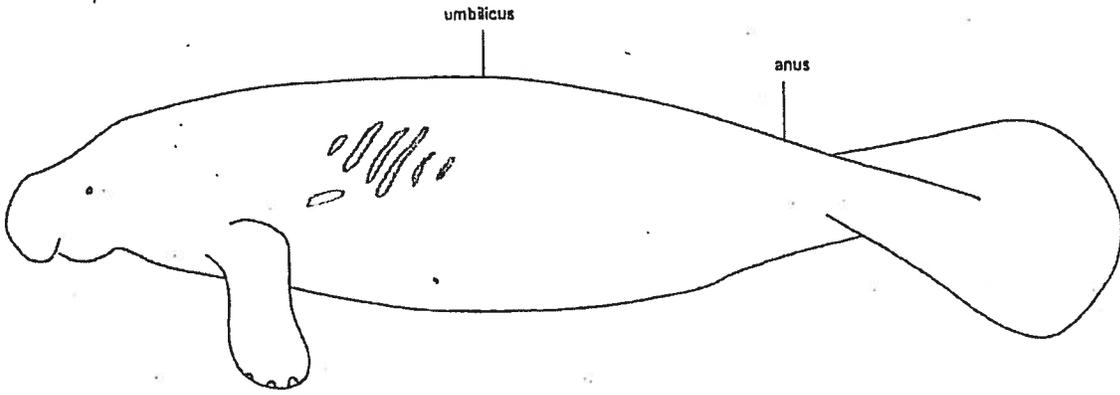
NOT MEASURED

| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SWF Tm 18326
REC 1807
PE 045

W06



Asst. + Res

Rescue Report

REC1808

Entanglement
Crab Trap

GENERAL

| | | |
|---|---|---------------------|
| Date of Rescue: 25 April 2018 | Date of Initial Call: 25 April 2018 | Filed by: S. Wappes |
| Rescue ID: REC1808 | Facility ID: | Other ID: |
| FWC Case Number: 5001 | FWC Region: NE | |
| Sex: Unknown | Length: 180 cm | Estimated: Yes |
| Weight: 115 kg | Estimated: Yes | |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: L: |
| State: FL | County: Volusia | City: Edgewater |
| Waterway: Indian River North | | |
| Latitude (Decimal Degrees): 28.93236° N | Longitude (Decimal Degrees): -80.85522° W | |
| Locality Description: approximately 1.36 km ESE of easternmost building at 189 Poinciana Road | | |
| Method of Capture or Assistance: In Water: Disentanglement (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|---|---|--------------------------|
| Gear Type: (Check all that apply) | | |
| <input type="checkbox"/> Monofilament Line | <input checked="" type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input checked="" type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input checked="" type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input type="checkbox"/> Other (Specify) _____ | |
| Location of Entanglement: Mid right flipper | | |
| If Crab Pot: | | |
| Float#: V-39 | Color: Red and White | Line Type: Polypropylene |
| Damage from Gear: | | |
| <input checked="" type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions | |
| <input type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: ___ cm | |
| Comments: There were two wraps of line around the mid right flipper, with one end leading to a crab trap and the other end leading to a Styrofoam buoy. | | |
| Gear Retained? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |

Rescue Report

REC1808

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-04-25_1167 through 1178; PUBLIC 2018-04-25_01 through 03; PUBLIC 2018-04-25_1651 | |

HISTORY

| Date | Narrative |
|---------------|--|
| 25 April 2018 | At 1203 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding a manatee entangled in a crab trap in the Indian River North in New Smyrna Beach, Volusia County. FWC case number 5001 was assigned. The complainant, Brian Clancy (386-566-6305), stated that the manatee was small and was with four other manatees. At 1206 hrs, the complainant sent WDG a video to confirm the entanglement. At 1208 hrs, WDG called FWC rescue coordinator-Andrew J. Garrett to advise him of the situation. WDG called US National Park Service-Ofc. Doug Mullen to see if he was available to respond. At 1314 hrs, Ofc. Mullen located the manatee and verified the entanglement. At 1325 hrs, WDG and FWC biologist-Sara M. Wappes arrived at the Canaveral National Seashore-North Apollo Beach boat ramp and at 1357 hrs, were picked up in a boat by Ofc. Mullen. At 1415 hrs, WDG and SMW entered the water, walked to the manatee, and cut the gear off the manatee. No damage was observed from the gear, and the manatee swam away with an adult that was presumed to be its mother. |

PARTICIPANTS

FWC EC: William D. Greer, Sara M. Wappes
US National Park Service: Ofc. Doug Mullen

Edited by:

DJS
GLL
NJG
AJG

(Rev 01/20/2017)



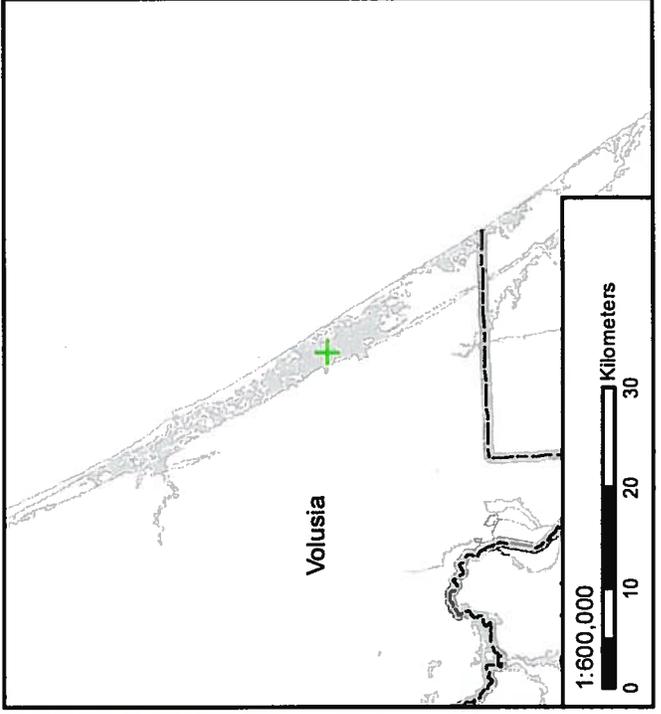
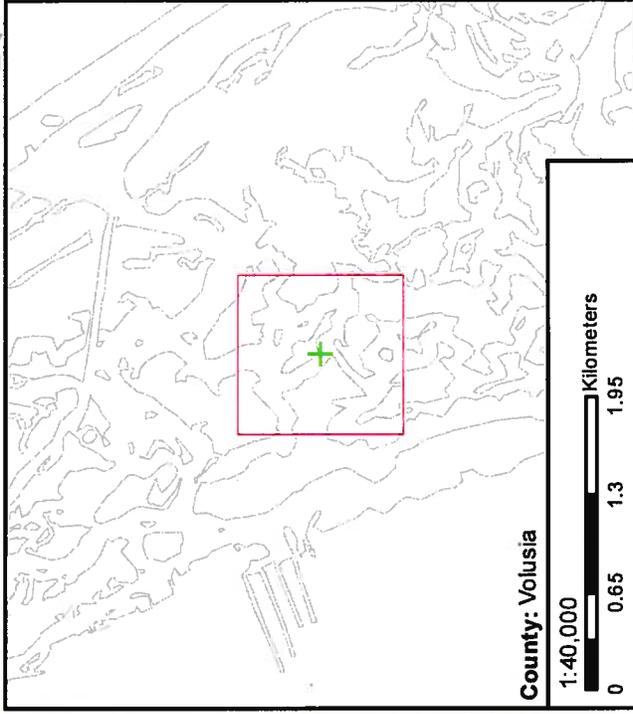
Verified Response Location of Manatee Rescue REC1808



Rescue Date: 4/25/2018

Facility ID: N/A

Map Created 10/7/2019



Locality Description:

approximately 1.36 km ESE of easternmost building at 189 Poinciana Road

Latitude: 28.93236°N

Longitude: -80.85522°W

Rescue Report

death
4/8/20 REC1809
Asst. & Rel

Entanglement
Other
float crab

GENERAL

| | | | | |
|--|-----------------------------------|--|---------------------------|----------------|
| Date of Rescue: 20 May 2018 | Date of Initial Call: 20 May 2018 | Filed by: W. Greer | | |
| Rescue ID: REC1809 | Facility ID: | Other ID: RNE1503, SWFTm1531b, JZGTm1701, 'Cassie' | | |
| FWC Case Number: N/A | FWC Region: NE | | | |
| Sex: Female | Length: 280 cm | Estimated: Yes | Weight: 400 kg | Estimated: Yes |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: (00075A3FAB) | L: (00075A2672) | |
| State: FL | County: Volusia | City: Orange City | Waterway: St. Johns River | |
| Latitude (Decimal Degrees): 28.94257° N | | Longitude (Decimal Degrees): -81.34229° W | | |
| Locality Description: Blue Spring State Park, approximately 215 m SSW of the Thursby House | | | | |
| Method of Capture or Assistance: Boat Based: Disentanglement (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|---|--|------------|
| Gear Type: (Check all that apply) | | |
| <input type="checkbox"/> Monofilament Line | <input type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input checked="" type="checkbox"/> Other (Specify): Tagging belt entangled in float cable | |
| Location of Entanglement: satellite tag belt around peduncle | | |
| If Crab Pot: | | |
| Float#: | Color: | Line Type: |
| Damage from Gear: | | |
| <input checked="" type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions | |
| <input type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: ___ cm | |
| Comments: The manatee's satellite tag belt was snagged on a cable securing a floating dock at the entrance of the spring run. | | |
| Gear Retained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | N/A | |

HISTORY

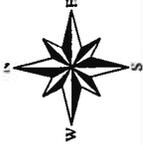
| Date | Narrative |
|-------------|--|
| 20 May 2018 | <p>At 1225 hrs, FWC biologist-William D. Greer received an e-mail from Sea to Shore Alliance-Melody Fischer (MF) stating that ‘Cassie’ had been disentangled from the float cable at the entrance of the spring run at Blue Spring State Park in Orange City, Volusia County. MF’s email read, “During routine observations on Buckeye and Cassie this morning, Cassie’s tag was tracked to next to the tour boat dock at Blue Spring. Cassie had managed to entangle the belt in the orange buoy cable, in the place where the cable attaches to the dock. She was ventral side up, but fortunately she came up for a breath right then, curling up as if doing a sit-up. The buoy cable was unfastened from where it was attached to the dock and she was untangled and freed within 3 minutes, with her equipment intact. She swam away in the direction of Buckeye who was in the lagoon 20 yards south of the boat dock near the shoreline. She had taken 1 breath within the 3 minutes of the disentanglement process, and after she swam away her respiration rate was 3 minutes apart. There was a woman fishing at the dock who said her husband went to get park staff for assistance, but [Cassie] was disentangled in the meantime. After she was freed she swam off and found Buckeye and they traveled into the lagoon. They eventually stopped and both animals bottom-rested for the rest of the visual. All was well afterward but we are keeping a close eye on her just in case.” It was later confirmed that the person who disentangled ‘Cassie’ was Mark Peterson from Sea to Shore Alliance, and it was a boat-based disentanglement.</p> |

PARTICIPANTS

Sea to Shore Alliance: Mark Peterson

Edited by:

DJS
 GLL
 NJG
 AJG



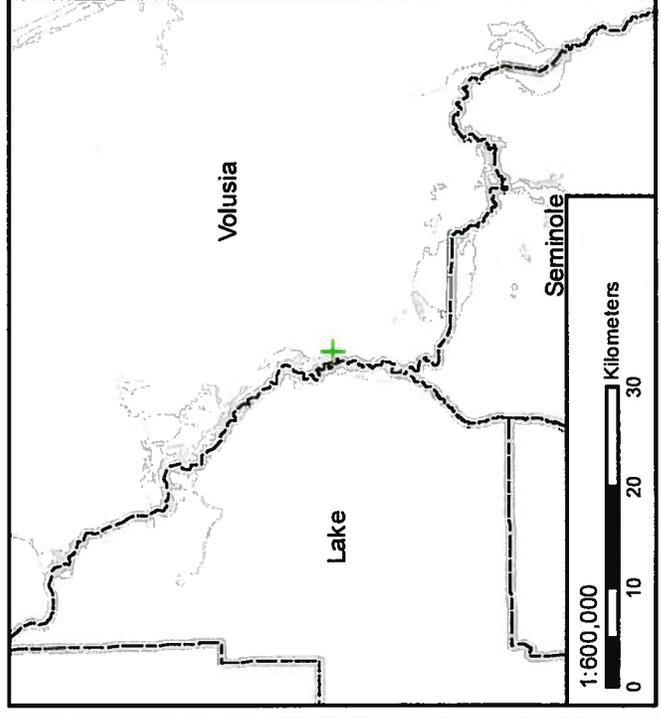
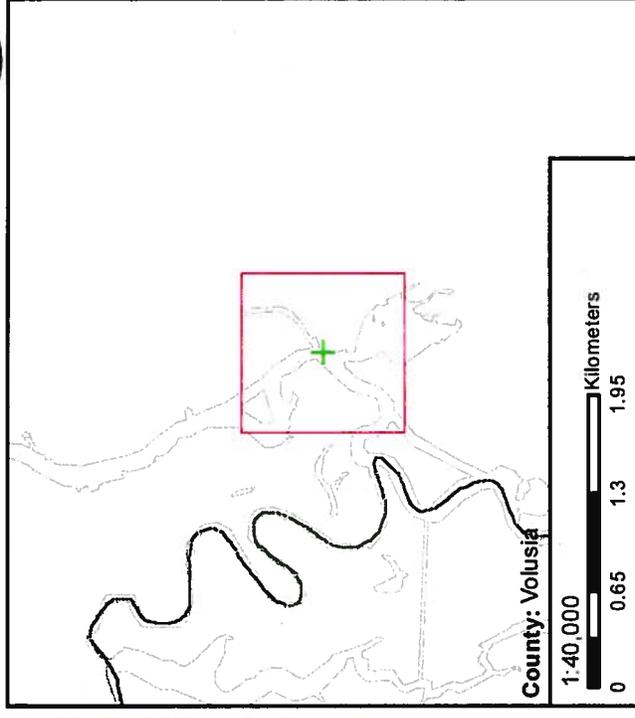
Verified Response Location of Manatee Rescue REC1809



Rescue Date: 5/20/2018

Facility ID: SWFTm1531b

Map Created: 10/29/2019



Locality Description:

Blue Springs State Park, approximately 2.15 m SSW of the Thursby House

Latitude: 28.94257°N

Longitude: -81.34229°W

Asst. d Res

Szemer, Donna

From: Greer, Bill
Sent: Monday, May 21, 2018 9:50 AM
To: Szemer, Donna; Bassett, Brandon
Cc: Carter, Dani; Wappes, Sara; Hoshaw, Emily; Carruthers, Halley
Subject: REC1809 Prelim Info

Entanglement
other

The report has been posted to the server.

GENERAL

| | | |
|---|--|--|
| Date of Rescue: 20 May 2018 | Date of Initial Call: 20 May 2018 | Filed by: W. Greer |
| Rescue ID: REC1809 | Facility ID: | Other ID: RNE1503, SWFTm1531b, JZGTm1701, 'Cassie' |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Female | Length: 280 cm | Estimated: Yes |
| | Weight: 400 kg | Estimated: Yes |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: L: |
| State: Florida | County: Volusia | City: Orange City |
| | | Waterway: St. Johns River |
| Latitude (Decimal Degrees): 28.9425667° N | Longitude (Decimal Degrees): -081.3423056° W | |
| Locality Description: Approximately 215m SSW of the Thursby House at Blue Spring State Park | | |
| Method of Capture or Assistance: Boat Based: Disentanglement (Other: _____) | | |

Reason for rescue: Tracking belt was entangled in float cable

Outcome: Released on site

Bill Greer

R-00075A3FAB
L-00075A2672
V6
Radio tagged.

Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
Cell: 321-626-7367
E-mail: bill.greer@myfwc.com

Office Address:
4020 South Highway A1A
Melbourne Beach, FL 32951
Mailing Address:
3830 South Highway A1A
#4-146
Melbourne Beach, FL 32951

Wildlife Alert: 1-888-404-3922

Rescue Report

REC1810

GENERAL

| | | |
|---|-----------------------------------|---|
| Date of Rescue: 23 May 2018 | Date of Initial Call: 12 May 2018 | Filed by: D. Carter |
| Rescue ID: REC1810 | Facility ID: SWFTm1837b | Other ID: |
| FWC Case Number: 5948, 5962, 6022, 6183, 6237, 6253, 6373, 6404, 6415, 6418, 6559, 6583 | | FWC Region: NE |
| Sex: Female | Length: 300 cm | Estimated: No |
| | Weight: 440 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Merritt Island |
| | | Waterway: Sykes Creek |
| Latitude (Decimal Degrees): 28.38337° N | | Longitude (Decimal Degrees): -80.69147° W |
| Locality Description: Approximately 40 m SE of 415 Ursa Avenue | | |
| Method of Capture or Assistance: Boat Based: Net Set | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u>Undetermined; positively buoyant</u> | |

All Other

Describe: The caudal end was positively buoyant and there were no apparent wounds. The manatee was in the location for 11 days.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-05-12_1665-1666; FWC020_2018-05-23_8500-8502; FWC025_2018-05-23_1777-1786; FWC037_2018-05-23_4498 | |

HISTORY

| Date | Narrative |
|-------------|--|
| 12 May 2018 | At 0743 hrs, FWC on-call biologist-Anna L. Panike (ALP) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee behind 595 W |

Gateway Ct. in Merritt Island, Brevard County. FWC case number 5948 was assigned. The complainant, Patricia Bass (321-626-3352), told Dispatch that the sick manatee was bloated and would not submerge. ALP attempted to contact the complainant but did not get an answer. ALP forwarded the information to FWC EC Field Lab (ECFL) staff at 0754 hrs. At 1130 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding a dead manatee behind Newfound Harbour Dr. in Merritt Island, Brevard County. FWC case number 5962 was assigned. The complainant, Judith Sutherland (321-453-4800), stated that one of the manatees behind her home had not moved and three feet of its back was out of the water. When approached with a kayak, all manatees in the area submerged. The complainant explained that she was neighbors with the prior complainant and that they likely reported the same manatee. At 1326 hrs, SMW received a text alert from Dispatch that the complainant from case number 5948 had called again. SMW contacted the complainant and received a photo for verification at 1352 hrs. At 1453 hrs, SMW and FWC intern-Emily F. Hoshaw (EFH) arrived at the manatee's location to observe and photograph the manatee.

13 May

At 2003 hrs, ALP received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee behind 355 Jacala Dr. in Merritt Island, Brevard County. FWC case number 6022 was assigned. The complainant, Shannon Revels (321-848-4662), stated that the manatee did not have any visible injuries, was eight feet long, bloated, and unable to submerge. ALP forwarded the information to the ECFL at 2020 hrs and received a video from the complainant at 2028 hrs. Based on a dorsal scar, it was determined to be the same animal reported the previous day.

16 May

At 1747 hrs, ALP received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee at Cone Rd. and Kemp St. in Merritt Island, Brevard County. FWC case number 6183 was assigned. The complainant, Scott Eri, stated that the manatee was large, would not submerge, appeared bloated, and was being pushed around by other manatees. ALP received a video and confirmed that it was the same animal from prior reports. ALP forwarded the information to the ECFL at 1810 hrs.

17 May

At 1507 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee behind 270 N Sykes Creek Pkwy in Merritt Island, Brevard County. FWC case number 6237 was assigned. The complainant, Crystal Munoz (321-616-0142), stated that the manatee was three to four feet long, would not submerge, and was being carried north with the current. At 1512 hrs, DEC received a photo and verified that it was the same manatee. At 1600 hrs, FWC biologist-William D. Greer (WDG) arrived at the manatee's location, searched for the manatee by land and kayak, but was unable to locate it. At 1848 hrs, ALP received a text alert from Dispatch regarding an injured manatee behind 880 Montego Bay Dr. South in Merritt Island, Brevard County. FWC case number 6253 was assigned. The

complainant, Frauke Massimilda (321-452-3586), stated that approximately four to five feet of the manatee was out of the water and it was unable to submerge. ALP received a photo at 1858 hrs, confirmed it was the same manatee, and advised the complainant to call back in the morning if it was still there.

19 May

At 1836 hrs, FWC on-call biologist-Amber R. Howell (ARH) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee near the Sykes Creek Pkwy bridge in Merritt Island, Brevard County. FWC case number 6373 was assigned. The complainant, Mike Petrill (321-652-5215), stated that the manatee was very high out of the water, but he was unable to get photos. ARH forwarded the information to the ECFL at 1841 hrs.

20 May

At 1345 hrs, SMW received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee near the Sykes Creek Pkwy bridge in Merritt Island, Brevard County. FWC case number 6404 was assigned. The complainant, Jeff Queen (321-960-2311), stated that the manatee was very bloated and had one white scar on its back. No responses were available due to bad weather. At 1720 hrs, ARH received a text alert from Dispatch regarding an injured manatee behind 260 Alabama Ave. in Merritt Island, Brevard County. FWC case number 6415 was assigned. The complainant, Michelle (770-314-4553), stated that the manatee was very high in the water and other manatees were attempting to mate with it. ARH received a photo and forwarded the information to the ECFL at 1732 hrs. WDG confirmed that it was the same manatee. At 1734 hrs, ARH received a text alert from Dispatch regarding a dead manatee in the same canal as case number 6415 in Merritt Island, Brevard County. FWC case number 6418 was assigned. The complainant, Fiona (321-698-4529) stated that the manatee was huge and its back was out of the water. ARH verified that the manatee was the same manatee, and it was alive.

22 May

At 1103 hrs, WDG contacted FWC rescue coordinator-Andrew J. Garrett (AJG) and SeaWorld-Jon Peterson (JP) to inform them that the ECFL staff planned to search Sykes Creek for the manatee the following day. At 1919 hrs, ARH received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee behind 2574 Sykes Creek Dr. in Merritt Island, Brevard County. FWC case number 6559 was assigned. The complainant, Shannon Carr (321-427-8973), stated that the manatee was either dead or severely injured and floating towards the 528 Bridge. The complainant did not have a photo and the manatee was no longer in the area. ARH forwarded the information to the ECFL at 1923 hrs.

23 May

At 0900 hrs, WDG, DEC, and FWC intern-Emily Hoshaw (EFH) left the ECFL to search Sykes Creek for the injured manatee. At 0936 hrs, WDG received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee behind 2130 Sykes Creek Dr. in Merritt Island, Brevard County. FWC case number 6583 was assigned. The complainant, Kathy (321-689-0987), stated that the

manatee was large, sick, had most of its body out of the water, and was not submerging. WDG received a photo at 0949 hrs verifying that it was the same manatee from prior reports. WDG contacted JP to see if SeaWorld would be able to assist with the rescue, but the SeaWorld rescue team was conducting surgery on another manatee and would likely be unavailable. WDG contacted FWC biologist-Nadia J. Gordon (NJG) for assistance, and she agreed to come down if needed. At 1000 hrs, WDG, DEC, and EFH launched the Key West from the Cape Crossing boat ramp. The manatee was located at 1027 hrs with a second adult manatee swimming underneath it. WDG notified JP, NJG, and AJG. All parties agreed that NEFL staff would assist with the rescue and SeaWorld would accept the animal for rehabilitation. WDG contacted FWC volunteers and Brevard Zoo for assistance. While waiting for the rest of the rescue crew, ECFL attempted to separate the two animals for easier capture, but were unsuccessful. At 1420 hrs, NJG, FWC biologist-Allison C. Perna, SMW, FWC intern-Halley T. M. Carruthers (HTMC), and three volunteers launched the NEFL rescue boat at the Merritt Island Boatworks boat ramp. Once the whole rescue team was with the manatee, the Key West was secured to a citizen's dock and everyone moved onto the rescue boat. Additional attempts to separate the two manatees were unsuccessful. WDG and NJG decided to attempt a two-boat net set. DEC, HTMC, and a volunteer used the Key West to hold the net and numerous attempts to capture the target animal were unsuccessful. After moving from the narrow canals into Sykes Creek proper, the Key West was tied to another citizen's dock and all rescue team members again moved onto the rescue boat. The manatees were followed into another canal system and a boat-based net set was attempted, but neither manatee was encircled in the net. At 1620 hrs, a second attempt caught both manatees. The additional manatee was separated and released, and at 1631 hrs, the target animal was pulled on board. The manatee was transported to the Merritt Island Boatworks boat ramp and loaded into the rescue truck at 1740 hrs. SMW, interns, and volunteers transported the manatee to SeaWorld, arriving at 1830 hrs.

PARTICIPANTS

FWC ECFL: Danielle E. Carter, William D. Greer, Sara M. Wappes

FWC NEFL: Nadia J. Gordon, Allison C. Perna

FWC interns: Emily F. Hoshaw, Halley T. M. Carruthers

FWC volunteer: Joe A. Wolf

Brevard Zoo: Rick Terisi, Kelly Smith

Edited by:

DJS

GLL

AJG

(Rev: 01/20/2017)

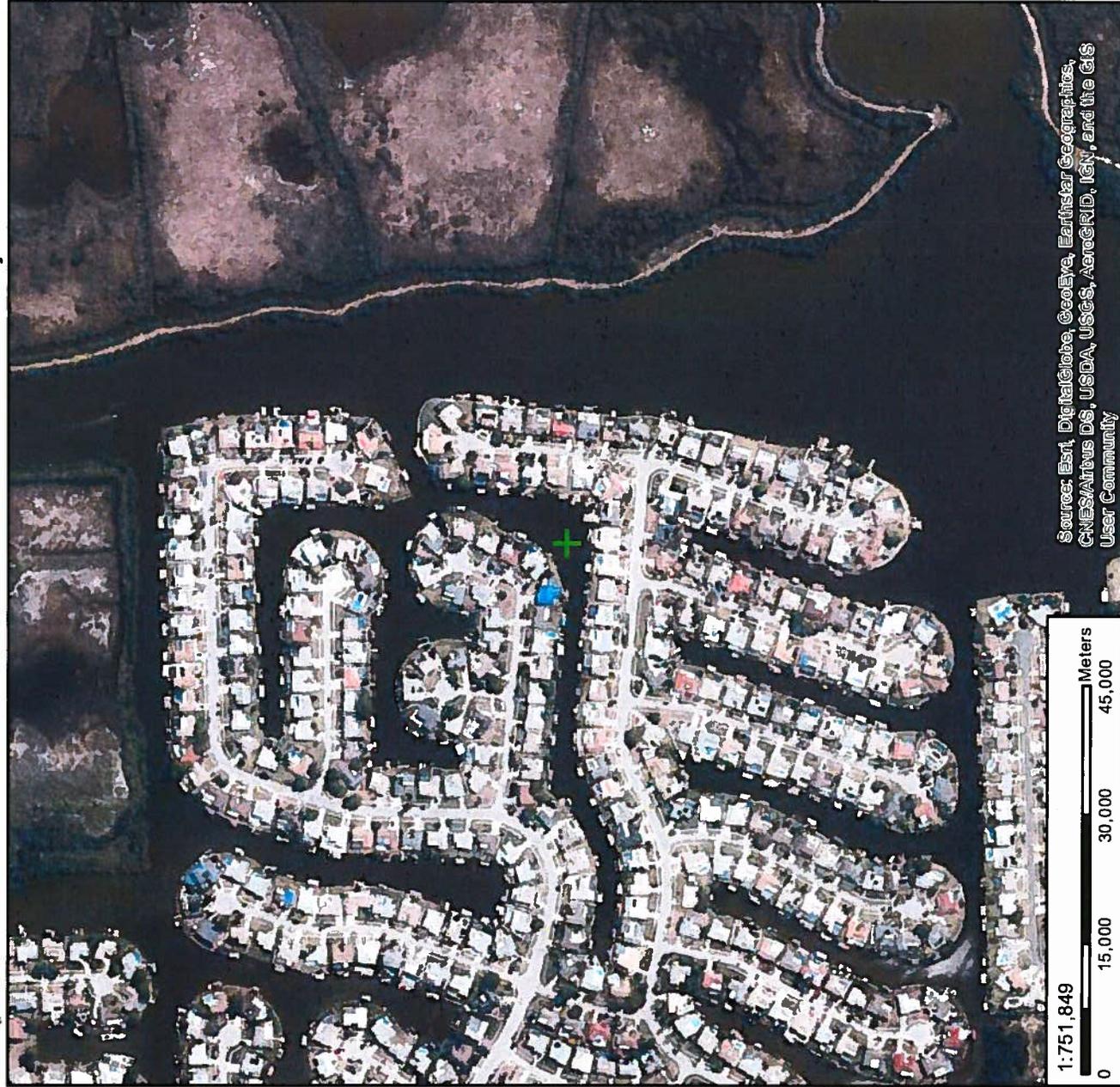


Verified Response Location of Manatee Rescue REC1810

Rescue Date: 5/23/2018

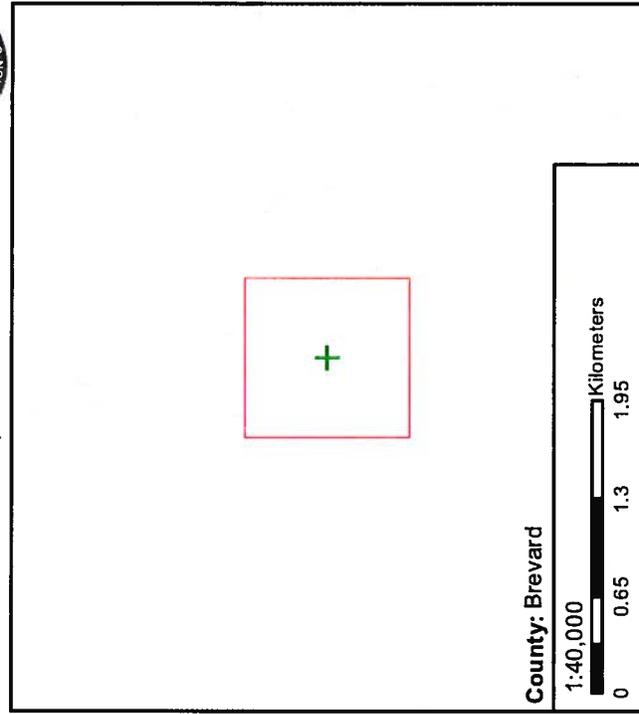
Facility ID: SWFTm1837b

Map Created: 10/29/2019

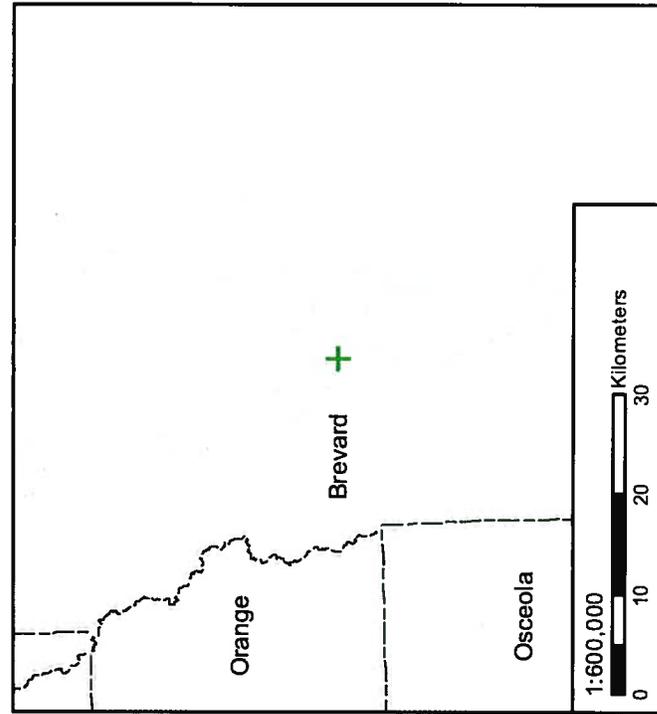


1:751,849
0 15,000 30,000 45,000 Meters

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



County: Brevard
1:40,000
0 0.65 1.3 1.95 Kilometers



1:600,000
0 10 20 30 Kilometers

Locality Description:
approximately 40 m SE of 415 Ursa Ave

Latitude: 28.38337°N

Longitude: -80.69147°W

From: Carter, Dani
Sent: Thursday, May 24, 2018 1:19 PM
To: Szemer, Donna <Donna.Szemer@MyFWC.com>
Cc: Greer, Bill <Bill.Greer@MyFWC.com>; Wappes, Sara <Sara.Wappes@MyFWC.com>; Carruthers, Halley <Halley.Carruthers@MyFWC.com>; Hoshaw, Emily <Emily.Hoshaw@MyFWC.com>
Subject: REC1810 Prelim Info

Rescue
 (Undetermined)
 FWC
 (Water raft?)
 (SeaWorld)
 (Need)
 (Index)

GENERAL

| | | |
|---|-----------------------------------|---|
| Date of Rescue: 23 May 2018 | Date of Initial Call: 12 May 2018 | Filed by: D. Carter |
| Rescue ID: REC1810 | Facility ID: SWFTm1837 | Other ID: |
| FWC Case Number: 5948, 5962, 6022, 6183, 6237, 6253, 6373, 6404, 6415, 6418, 6588, 6559, 6583 | | FWC Region: NE |
| Sex: Female | Length: 295 cm | Estimated: No |
| | | Weight: 439 kg |
| | | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Merritt Island |
| | | Waterway: Sykes Creek |
| Latitude (Decimal Degrees): 28.383375° N | | Longitude (Decimal Degrees): 80.691461° W |
| Locality Description: Approximately 38 m SE from 415 Ursa Ave. | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | |

REASON FOR RESCUE

Positively buoyant, no wounds observed, had been in same condition for almost 2 weeks

Outcome

SeaWorld Orlando for rehab

Thanks!

Dani Carter

Marine Mammal Biologist
 Florida Fish and Wildlife Conservation Commission
 Fish and Wildlife Research Institute
 Melbourne Marine Mammal Research Lab
 4020 S. Highway A1A
 Melbourne Beach, FL 32951
Dani.Carter@myfwc.com
 Cell: (321) 228-5283
 Office: (321) 953-5037

(COD)
 undetermined
 → Bilateral Pneumonia
 Chronic Irritation
 below normal - associated
 hemi tear of lung tear.
 why not Human
 Chronic?

Rose

From: Garrett, Andy
Sent: Wednesday, May 23, 2018 4:43 PM
To: (Group)
Subject: RE: IMG_0321.JPG

Merritt Island:

REC1810

The buoyant manatee in Merritt Island was captured (see attached photo). The manatee will be transported to Sea World.



Cape Coral:

(RSW1817)

The crab trap entangled manatee was reported again this afternoon in Cape Coral. A SWFL team was able to respond. After closer evaluation, the peduncle was not wrapped in line. The crab trap line was knotted and fixed in a fluke mutilation (see attached photo). SWFL staff were able to grapple the line and pull it free from the tail mutilation. I've attached a photo of the line after the disentanglement.



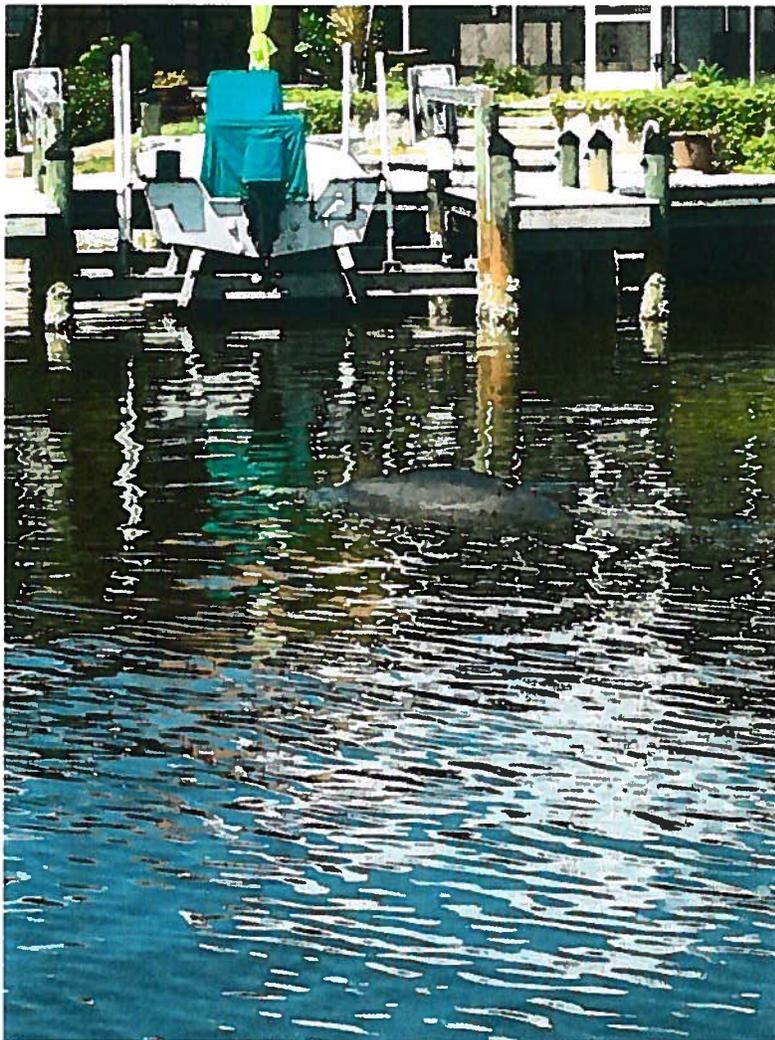
From: Garrett, Andy
Sent: Wednesday, May 23, 2018 11:17 AM
To: (Group)
Subject: FW: IMG_0321.JPG

Merritt Island (Sykes Creek):

Over the past few weeks, ECFL staff have received reports of an excessively buoyant manatee in the area of Sykes Creek. The manatee has been often reported late in the day or on bad weather days making it difficult to assess.

This morning, a ECFL search team located the manatee and are currently with it (see attached photo). The manatee is with another and is unable to stay submerged for more than 5 seconds. A rescue team from the NEFL is responding to assist ECFL staff with the capture.

If captured, the manatee will be transported to Sea World.



Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: SWFTm1837b

Date of Report: 2018-May-26

Filed By: FWC MMPL

FWC Case # 6583

FWC Region: NE

Sex: Female

Length: 295 cm

Weight: 415.0 kg

DATE REPORTED: 2018-May-26

By: SeaWorld-JP to MMPL-AJG

DATE COLLECTED: 2018-May-26

By: MMPL-BDB

DATE NECROPSIED: 2018-May-29

By: MMPL-MdW,BLB,ALP,GLL,BDB,SMT

LOCATION: State: FL

Latitude: 28.38337 N

County: Brevard

Longitude: -80.69147 W

Waterway: Sykes Creek

Locality description: Merritt Island, approximately 38 m SE of 415 Ursa Avenue.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Undetermined: Other

EXPLAIN: Dark line kidney(s); Pneumothorax; Pneumoabdomen; Bloody eyes, nares, head and neck tissue; Remodeled rib luxation; Bone mass in muscle; Chronic tears in lung, hemidiaphragm; Mucus in airways; Old blood clots in pleural cavity; Relatively empty cecum, proximal colon; Petechiae in thymus; Congested mesenteries, peritoneum, abdominal fat, small intestine wall, urinary bladder mucosa, colon serosa. The origin of the bilateral pneumothorax could not be determined. The old lung trauma was well-healed.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Scar, Fluke, Cranial, Internal, Other (Wounds).

MATERIALS COLLECTED:

Genetics, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Rescue report.

REMARKS:

PIT tag scan negative. Uterine Scar. Died in facility. Plastic in stomach. Plastic ribbon in colon. See rescue report REC1810. Rescued on 23 May 2018 for positive bouyancy. Numerous additional FWC case numbers. Found dead at 0500 hrs on 26 May 2018. Small region of hemorrhage and few blood clots from thorax tap. Epidermis mottling.

| | |
|-----------------|-------------|
| Page 1&2 | 04 Feb 2020 |
| Necropsy Report | 04 Feb 2020 |
| Lat/Long | 04 Feb 2020 |

MORPHOMETRICS:

| | | | | | |
|----------------------------|--------|-----------------------------|--------|--------------------------|-------------|
| Total length: | 295 cm | Fluke base: | 95 cm | Girth at axillae: | 155 cm |
| Snout to anus: | 191 cm | Fluke width: | 74 cm | | |
| Snout to U/G: | 175 cm | Girth at fluke base: | 113 cm | | |
| Snout to umbilicus: | 102 cm | Girth at anus: | 150 cm | | |
| Flipper width: | 17 cm | Girth at umbilicus: | 210 cm | Nail count: R: 4 | L: 4 |

| | | | | |
|---------------------------------|----------------|----------------|---------------------------------|--------|
| | Ventral | Lateral | | |
| Skin Thickness: | 0.8 cm | 2.3 cm | | |
| Outer Blubber Thickness: | 0.9 cm | 0.3 cm | Abdominal Fat Thickness: | 1.3 cm |
| Inner Blubber Thickness: | 0.3 cm | 0.9 cm | Epidermis Thickness: | 0.1 cm |

| | | |
|-------------------|---|----|
| Perinatal: | Ductus Arteriosus Diameter: | cm |
| | Left Pulmonary Artery Diameter: | cm |
| | Right Pulmonary Artery Diameter: | cm |

Uterine Scarring Measurements:

| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
|-------------|---------------------------|-------------------|
| Right | | |
| Right | | |
| Left | | |
| Left | | |

Male Reproductive:

| | |
|--|--|
| | |
| | |
| | |
| | |

Fetus 1: Sex: Report?:

Length:

Weight:

Samples Taken:

Fetus 2: Sex: Report?:

Length:

Weight:

Samples Taken:

Brevetoxin Results:

| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
|----------------------------------|----------------------|--------------|
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

Rescue Report

REC1811

entanglement
(other)
cast net

GENERAL

Date of Rescue: 03 June 2018 Date of Initial Call: 03 June 2018 Filed by: W. Greer

Rescue ID: REC1811 Facility ID: Other ID:

FWC Case Number: 7362 FWC Region: NE

Sex: Unknown Length: 245 cm Estimated: Yes Weight: N/T Estimated: [Choose an item.](#)

PIT Tag Present: Unk PIT Tag Applied: No R: L:

State: Florida County: Brevard City: Titusville Waterway: Indian River

Latitude (Decimal Degrees): 28.61967° N Longitude (Decimal Degrees): -80.79967° W

Locality Description: approximately 836 m NE of 19 N Washington Ave.

Method of Capture or Assistance: Land Based: Disentanglement

REASON FOR RESCUE

Check one of the following:

Watercraft Entanglement Entrapment (Human)

Cold Stress Red Tide Tidally Stranded

Orphan Other: (Specify): _____

Entanglement

Gear Type: (Check all that apply)

Monofilament Line Polyprop/Nylon Line

Hook Buoy

Sinker Trap

Net Other (Specify) _____

Location of Entanglement: Right flipper

Damage from Gear:

No Damage Abrasions

Breaking Skin Surface Depth of Entanglement Penetration: ___ cm

Comments: Due to poor visibility, the nature of the entanglement could not be described. Presumably the right flipper was loosely wrapped in the net, because it did not require much force to pull the net off the manatee. The net was a monofilament cast net with a square mesh size of approximately 1/2 inch.

Gear Retained? Yes No

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | PUBLIC_2018-06-12_01 through 03 | |

HISTORY

| Date | Narrative |
|---------------------|--|
| 03 June 2018 | At 1723 hrs, FWC NE Dispatch-Orlando received a call from Titusville Police Department regarding a manatee stuck in a cast net in the Indian River in Titusville, Brevard County. At 1733 hrs, FWC on-call biologist-William D. Greer (WDG) received a direct call from Dispatch regarding the same manatee. FWC case number 7362 was assigned. The dispatcher stated that the manatee was stuck in a cast net and was in distress. She then requested ECFL staff to respond. WDG explained that due to the location and time of day, it would take over an hour for ECFL staff to arrive, so he requested FWC LE assistance. At 1740 hrs, FWC Officer Brandon Kearney (BK) was dispatched and contacted WDG, who instructed BK to disentangle the manatee if he thought he could easily free it; otherwise, ECFL staff would respond. At 1744 hrs, WDG contacted FWC rescue coordinator-Andrew J. Garrett to advise him of the possible rescue. At 1804 hrs, BK arrived on scene, confirmed that only the manatee's right flipper was entangled and proceeded to disentangle the manatee by hand. The manatee then swam off with no gear attached. The owner of the gear was present and requested it from BK. The gear was completely intact, according to BK. |

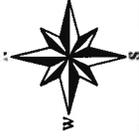
PARTICIPANTS

FWC LE: Officer Brandon Kearney

Edited by:

DJS
GLL
AJG

(Rev. 01/20/2017)



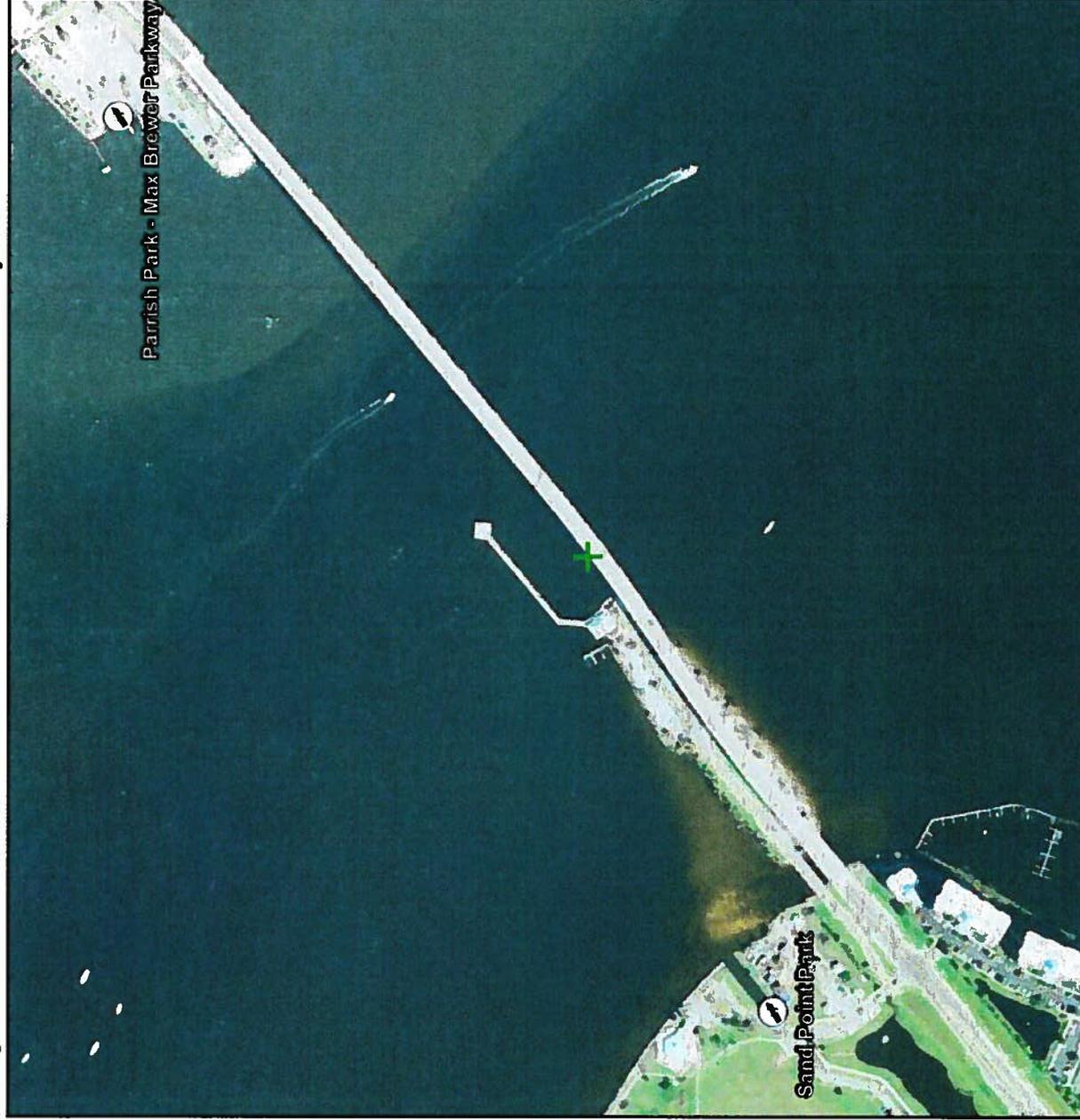
Verified Response Location of Manatee Rescue REC1811



Rescue Date: 6/3/2018

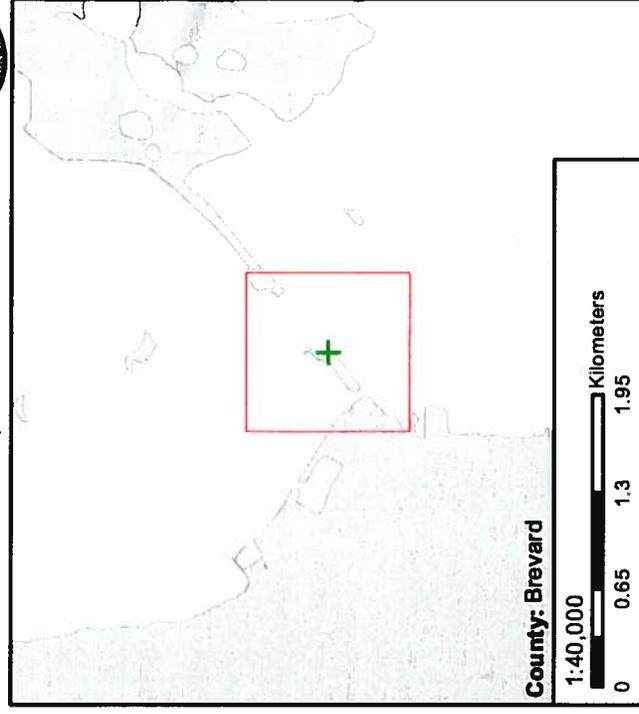
Facility ID: N/A

Map Created 12/27/2019

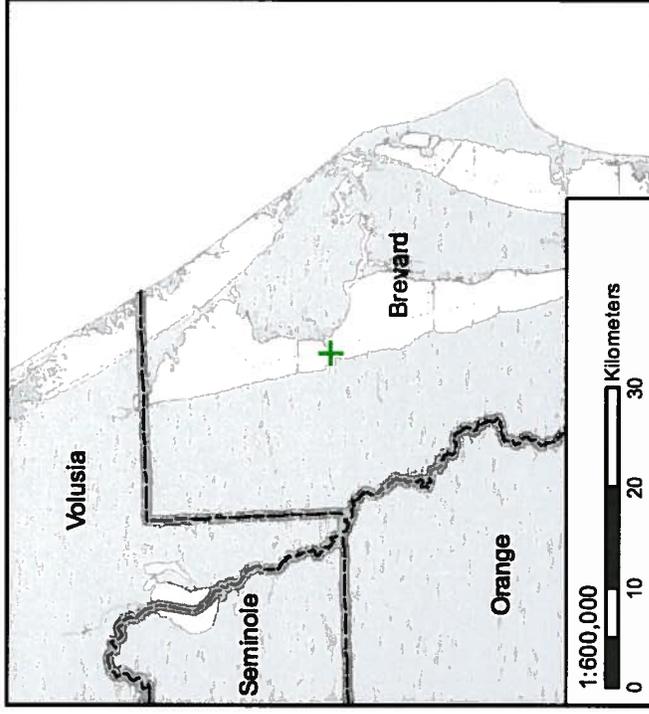


1:751,849
0 15,000 30,000 45,000 Meters

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, USDA, Farm Service Agency



County: Brevard
1:40,000
0 0.65 1.3 1.95 Kilometers



1:600,000
0 10 20 30 Kilometers

Locality Description:
approximately 836 m NE of 19 N Washington Ave.

Latitude: 28.61967°N

Longitude: -80.79967°W

Asst. & Rel

Szemer, Donna

From: Greer, Bill
Sent: Monday, June 04, 2018 1:01 PM
To: Szemer, Donna; Bassett, Brandon
Cc: Wappes, Sara; Carter, Dani; Hoshaw, Emily
Subject: REC1811 Prelim Info

*Entanglement
Other
(Cast Net)*

Report has been posted to the server.

GENERAL

| | | |
|--|------------------------------------|--|
| Date of Rescue: 03 June 2018 | Date of Initial Call: 03 June 2018 | Filed by: W. Greer |
| Rescue ID: REC1811 | Facility ID: | Other ID: |
| FWC Case Number: 7362 | FWC Region: NE | |
| Sex: Unknown | Length: 245 cm | Estimated: Yes |
| | Weight: kg | Estimated: Choose an item. |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: L: |
| State: Florida | County: Brevard | City: Titusville |
| | | Waterway: Indian River |
| Latitude (Decimal Degrees): 28.6194444° N | | Longitude (Decimal Degrees): -080.7995194° W |
| Locality Description: Approximately 65m E of 2 A. Max Brewer Parkway | | |
| Method of Capture or Assistance: Land Based: Disentanglement | | (Other: _____) |

Reason for rescue: Entanglement, *other (Cast Net)*
Outcome: Released on site

Bill Greer

Marine Mammal Biologist
Florida Fish and Wildlife Conservation Commission
Cell: 321-626-7367
E-mail: bill.greer@myfwc.com

Office Address:
4020 South Highway A1A
Melbourne Beach, FL 32951
Mailing Address:
3830 South Highway A1A
#4-146
Melbourne Beach, FL 32951

Wildlife Alert: 1-888-404-3922

rescue / release
8/16/18 / 11/20/18

Rescue Report

REC1812

GENERAL

| | | | | |
|---|------------------------------------|---|---------------------------|---------------|
| Date of Rescue: 16 August 2018 | Date of Initial Call: 28 July 2018 | Filed by: S. Wappes/D. Carter/W. Greer | | |
| Rescue ID: REC1812 | Facility ID: SWFTm1847b | Other ID: Jolie, BC399 | | |
| FWC Case Number: 10503, 10883, 10888, 10980, 10986, 11255, 11270, 11287, 11358, 11443, 11491, 11492 | | FWC Region: NE | | |
| Sex: Female | Length: 325 cm | Estimated: No | Weight: 590 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Oak Hill | Waterway: Mosquito Lagoon | |
| Latitude (Decimal Degrees): 28.8822194° N | | Longitude (Decimal Degrees): -80.8405361° W | | |
| Locality Description: approximately 400 m E of 333 Marsh Landing Loop | | | | |
| Method of Capture or Assistance: Land Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee was excessively buoyant and floating left side high. There was a superficial, healing watercraft wound series on mid left dorsum, which consisted of one long, linear skeg wound and four parallel propeller wounds, which were roughly perpendicular to the skeg wound. The cranial aspect of the skeg wound had granulation tissue in the center.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-07-28_3159 through 3162, 3177, 3227 through 3230, 3236, 3237, 3335, 3336, 3341; PUBLIC 2018-08-06 01, | |

Rescue Report

REC1812

02; PUBLIC_2018-08-11_01, 02; PUBLIC_2018-08-13_01;
FWC025 2018-08-16 3781 through 3791

HISTORY

| Date | Narrative |
|---------------------|--|
| 28 July 2018 | <p>At 1207 hrs, FWC biologist-Sara M. Wappes (SMW) began a photo ID survey at the Manatee Observation Deck on Haulover Canal in the Merritt Island Wildlife Refuge, Brevard County. While there, SMW observed an injured manatee that had fresh watercraft-related wounds on the mid left dorsum and was positively buoyant on the left side. Since the manatee was with approximately 40 other manatees, SMW then conducted a photo ID survey at the Bairs Cove boat ramp and observed the same injured manatee. At 1513 hrs, SMW received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee at the Bairs Cove boat ramp. FWC case number 10503 was assigned. The complainant, Ted (678-234-0147), stated that the manatee was large, had white scars, and was not submerging. SMW was confident, based on description and location, that it was the same animal she had observed earlier in the day. A rescue was postponed until the manatee's behavior could be observed from a vessel.</p> |
| 04 August | <p>At 1351 hrs, SMW received a text alert from Dispatch regarding a beached manatee at Riverbreeze Park in Indian River North, Oak Hill, Volusia County. FWC case number 10883 was assigned. The complainant, Rachel (386-216-2900), stated that the manatee had pink gashes and was beached with other manatees. Based on the description, SMW believed it was the same manatee from Haulover Canal and was not beached, but positively buoyant. At 1459 hrs, SMW received a text alert from Dispatch regarding an injured manatee near channel marker 73 in Oak Hill. FWC case number 10888 was assigned. The complainant, Tracy Manning (386-235-6937), stated that the manatee had two gashes and had difficulty submerging. SMW received a video at 1553 hrs and confirmed it was the same manatee. SMW was unable to respond due to a rescue attempt in Titusville (UEC1801).</p> |
| 06 August | <p>At 0815 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from Dispatch regarding an injured manatee in the Mosquito Lagoon near the Riverbreeze Park boat ramp. FWC case number 10980 was assigned. The complainant, Jeff Scott (386-956-5217), stated that the manatee was not submerging, had pink and white gashes on its back, and had two calves. At 0824 hrs, DEC contacted the complainant via video chat and was able to confirm that it was the same manatee SMW had observed the week prior. At 0827 hrs, DEC received a photo and video of the manatee. FWC biologist-William D. Greer (WDG) contacted FWC rescue coordinator-Andrew J. Garrett (AJG) and SeaWorld Orlando rescue coordinator-Jon Peterson (JP). JP offered to send a rescue crew with a boat but was unable to take the animal in for rehabilitation. WDG contacted Miami Seaquarium (MSQ) veterinarian-Dr. Maya Rodriguez (MR), who agreed to accept the manatee. At 0944 hrs, WDG</p> |

received a text alert from Dispatch regarding a dead manatee behind 170 Gary Avenue in Oak Hill. FWC case number 10986 was assigned. The complainant, Bill Corbett (386-576-4648), stated the manatee was an adult, face down, and floating high out of the water. At 1016 hrs, WDG arrived at Riverbreeze Park, launched a kayak and verified the reported carcass was the live, injured animal. The SeaWorld rescue team arrived at the Riverbreeze Park boat ramp at 1230 hrs and launched their rescue boat, but due to the injured manatee's close association with several other manatees, the rescue was postponed.

11 August

At 1235 hrs, DEC received a text alert from Dispatch regarding an entangled manatee near Riverbreeze Park. FWC case number 11255 was assigned. The complainant, Sue Connell (386-801-6576), stated that a twelve to thirteen-foot-long, scarred manatee was wrapped in lines or netting, partially beached, and surrounded by other manatees (presumed mating herd). At 1550 hrs, DEC received a text alert from Dispatch regarding a beached manatee near channel marker 75. FWC case number 11270 was assigned. The complainant, Michael Pharis (321-696-5126), stated that the manatee had a calf, was beached on a sandbar, and appeared to have propeller marks. At 1600 hrs, DEC received a photo that confirmed it was the injured manatee. DEC contacted AJG and JP, but a response was postponed due to time of day. At 1825 hrs, FWC on-call biologist-Amber R. Howell (ARH) received a text alert from Dispatch regarding an injured manatee just south of Riverbreeze Park. FWC case number 11287 was assigned. The complainant, Amy (386-846-2948), stated that one manatee had been surrounded by others for thirty minutes. Based on previous reports, ARH felt confident it was the injured manatee and forwarded information to ECFL staff at 1830 hrs.

13 August

At 0909 hrs, DEC received a text alert from Dispatch regarding an entangled manatee near the Riverbreeze Park boat ramp. FWC case number 11358 was assigned. The complainant, Robert Heaton (904-716-5140), stated that the manatee was in distress, possibly entangled in a crab trap, and surrounded by 20 other manatees. At 0940 hrs, DEC received a video from the complainant confirming the manatee was not entangled, and that it was the injured manatee. Due to the large number of manatees with the injured manatee, a rescue was not planned.

14 August

At 1426 hrs, DEC received a text alert from Dispatch regarding an injured manatee behind 150 Randle Avenue in Oak Hill FWC case number 11443 was assigned. The complainant, Laurie McCormick (386-220-4055), stated that the manatee was seven feet long, had a large white gash, and had its back out of the water. At 1530 hrs, SMW arrived at the complainant's home and launched a kayak, verifying it was the injured manatee. SMW noted that the manatee was floating higher out of the water than the last time she saw it on 28 July. A rescue in conjunction with SeaWorld was scheduled for 16 August.

Rescue Report

REC1812

15 August

At 1247 hrs, SMW received a text alert from Dispatch regarding an injured manatee behind 144 Charles Street in Edgewater, Volusia County. FWC case number 11491 was assigned. The complainant, Don Handley (407-348-2591), stated that the manatee was ten feet long, bloated, and had a large portion of the body out of the water. SMW informed the complainant that a rescue had been organized for the following day. At 1300 hrs, DEC received a text alert from Dispatch regarding an injured manatee behind 144 Charles Street in Oak Hill. FWC case number 11492 was assigned. The complainant, Rory Loomis (561-706-5761), stated that the manatee was an adult, was floating in the canal, was not swimming, and had a large white scar on its back. DEC informed the complainant that a rescue was being organized for the next day.

16 August

At 0800 hrs, teams from SeaWorld and Homosassa Springs Wildlife State Park launched a SeaWorld boat from Riverbreeze Park. At 0830 hrs, FWC ECFL launched their boat, and both boats began searching the area for the injured manatee. At 1038 hrs, the injured manatee was located with three other manatees in southern Oak Hill. At 1100 hrs, AJG arrived at the boat ramp and launched the MMPL rescue boat. At 1140 hrs, a land based net set encompassed the target manatee and four others, which were released by lowering the float line. At 1220 hrs, the target manatee was loaded into the SeaWorld rescue truck and transported to SeaWorld.

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes

FWC MMPL: Andy J. Garrett

FWC volunteers: Joe Wolf, April Geer, Sam Spurgeon

SeaWorld Orlando: Lorri Braso, Becca Downey, Kelly Cluckey, Ashley Killo, Maggie Mariolis

Homosassa Springs Wildlife State Park: Andrea Junkunc, James Curry

Edited by:

NJG
GLL
DJS
AJG

(Rev 01/20/2017)

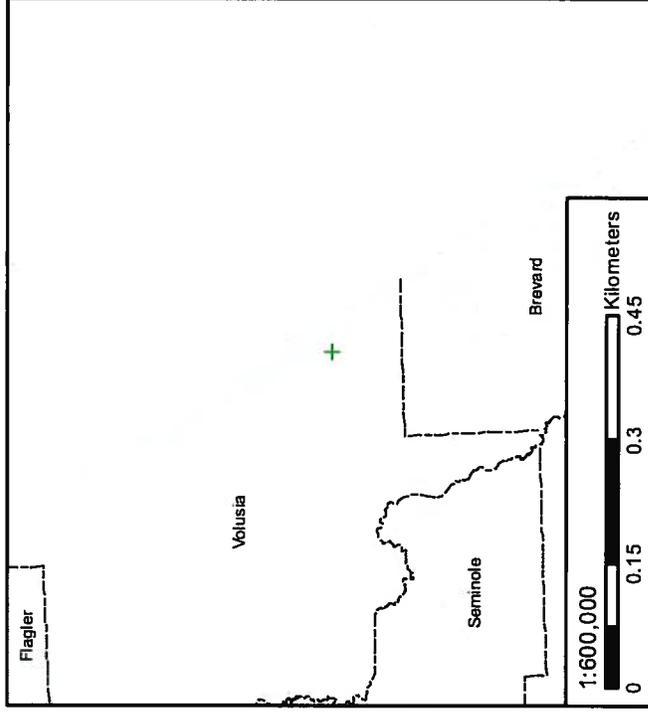
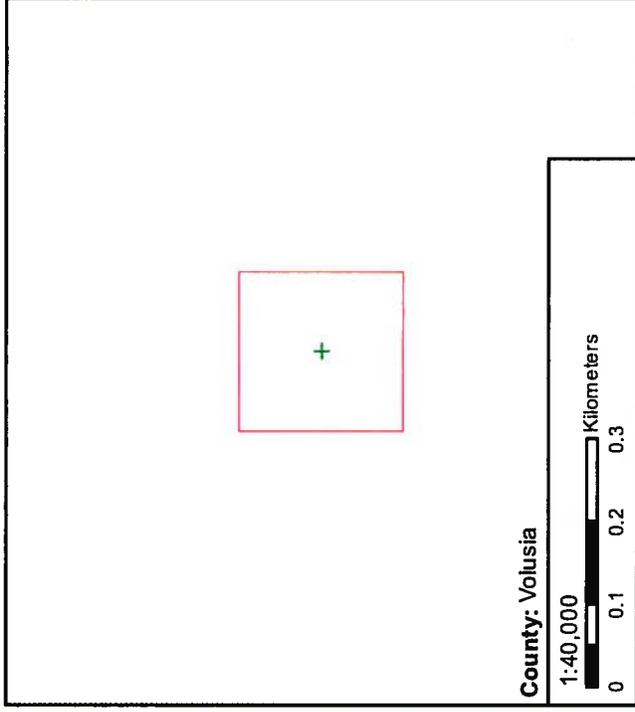


Verified Response Location of Manatee Rescue REC1812

Rescue Date: 8/16/2018

Facility ID: SWFTm1847b

Map Created 9/16/2020



Locality Description:

approximately 400 m E of 333 Marsh Landing Loop

Latitude: 28.88222°N

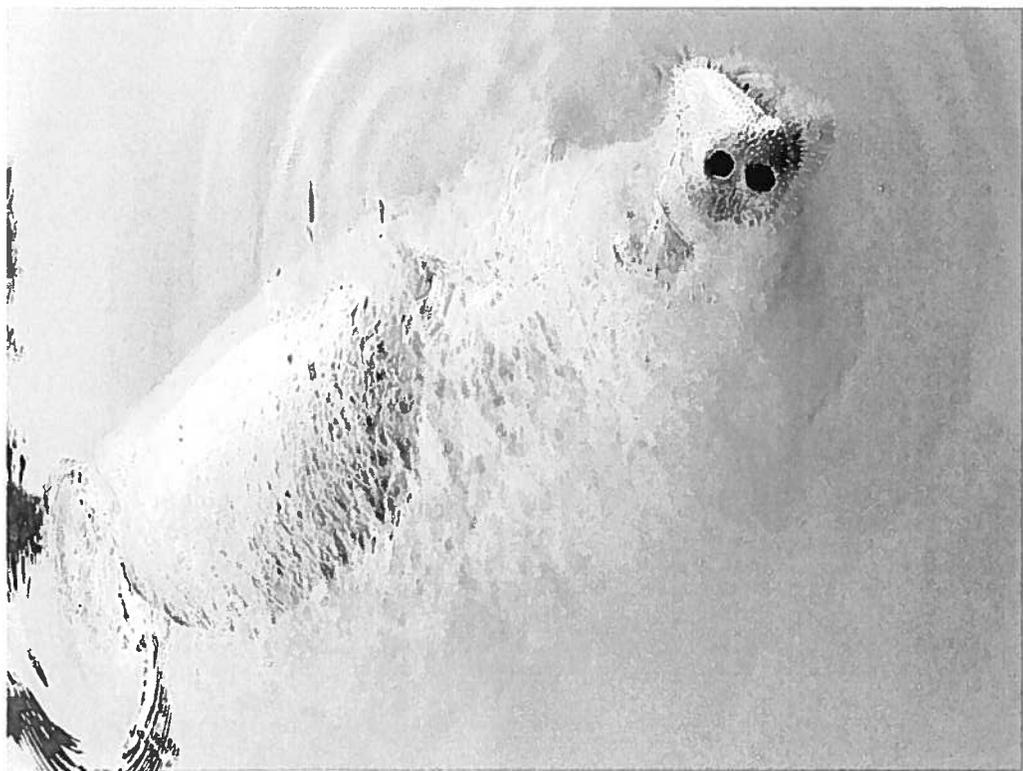
Longitude: -80.84049°W

Whitcomb, Tara

From: Garrett, Andy
Sent: Monday, August 24, 2020 7:18 AM
To: Wellman, Alicia; Burns, Allison; amathieu@cmaquarium.org; Amber Lea Kincaid (akincaid@mote.org); Amy Teague; Nader, Ana; Anne Harvey; Arielle Taylor-Manges; Ashley; Peek, Austin; Barlas, Margie; Bassett, Brandon; Bert Pajor; Greer, Bill; Faucett, Blake; Boyd, Denise; Barbeau, Brittany; Metcalf, Carley; Davis, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Chris Massaro; Chris Plante; Christina Nau; Fontaine, Christine; Chuck White; Claire Erlacher-Reid; Cora Berchem; Craig Miller; Craig Pelton; Cynthia Stringfield; Dave Murphy; Debbie Wright; deWit, Martine; Frisch, Katherine; MarineDebris; Gordon, Nadia; Gretchen Lovewell; Carpenter, Guy M.; Edwards, Holly; Honaker, Allison; Howell, Amber; James Powell; Jamie Knaub; Jason Ferrante; Jen Galbraith; Johnson, Jennifer; Jennifer Helseth Johnson; Jessica Blackburn; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Julie Heyde; Parker, Karen; Katie Tripp; Kelly Martin; Kelsey Jennings; Kerri Scolardi; Kerry Sanchez; Tamborini, Kyanna; Laura Eldridge; Lauren Smith; Laurie Adler; Leeann Rottman; Lorri Braso; Lowry Park Zoo Florida Mammals; Lydia Staggs; Martz, Meg; Maya; Kilborn, Melody; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Hurst; Mike Walsh; Molly Lippincott; Molly Martony; Schubert, Molly; Monica Ross; Monica Ross; Mosier, Andrea; Nicole Bartlett; Nicole Stacy; Panike, Anna; Pat Rose; Pernell, Jessica; Rebecca Hazelkorn; Rebeccah Hazelkorn; Reinert, Tom; Richmond, Kelly; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Wappes, Sara; Tennant, Sean; Segelson, Carli; Sheri Barton; Stacy Dirocco; Susan Butler; Neel, Susan; Whitcomb, Tara; Tatiana Weisbrod; Teresa Calleson; Tiffany Burns; Pitchford, Tom; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: Rescue Update
Attachments: IMG_1176.jpeg; IMG_6447.JPG

Daytona Beach:

Last week, FWC-ECFL staff received a report of an excessively buoyant and listing manatee in Oak Hill. Over the course of the week, ECFL staff received reports of the manatee heading north. Unfortunately, due to the timing of the reports (late afternoon), a rescue couldn't be organized. On Friday afternoon, FWC-NEFL received a report of an excessively buoyant and listing manatee in the Halifax River. Photos from citizens appeared to match photos of the manatee originally reported in Oak Hill. On Saturday morning, the manatee was reported again and a rescue team (NEFL, ECFL, and Volusia County Stranding Team) responded and captured the 8 ft female. The team identified a recent linear watercraft wound on the manatee's back. The manatee was transported to Jacksonville Zoo for rehabilitation.



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWF184178/REC1812

Capture ID: _____

Data Recorder: William D. Greer
SAM SPURGEON

Name: 'JOLIE' RC399

Date: 20 NOV 2018

ID of its Calf / Mom: _____

Sex: M / (F)

TIMES

Initial Pursuit: _____
Net Set: _____
Captured(Onboard): _____
On Beach: _____
Released: 1131

CAPTURE
Location: _____
Latitude: _____ N
Longitude: _____ W
Water Temp: _____ C F

RELEASE
Location: RIVERBANK POND
Latitude: 28.94552 N
Longitude: -80.89103 W
Water Temp: 22.7 C F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
Workup Site: Air Temp = 23.3 C F Wind: 38 mph NE Cloud Cover: S PC MC R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>351</u> | |
| | Total Length (straight) | <u>327</u> | |
| | Snout to Peduncle | <u>231</u> | |
| | Snout to Anus | <u>219</u> | |
| | Snout to Umbilicus | <u>111</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>127</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>166</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>218</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>166</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|------------------------------|---------------|--------------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | <u>(3+)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|------------------------|----------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>(Rounded)</u> | / Flat / Concave | |
| Ventrum: | | | | <u>(Rounded)</u> | / Flat / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>WILLIAM D GREER</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: |
|----------------|------------------------------------|
| Lactating? | <u>Y / (N)</u> |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>None</u> | Data Sheets? <u>Y (N)</u> |
|--|--|---------------------------|
| Temperature: Oral Naso-pharyngeal Rectal <u>None</u> | | <u>Y (N)</u> |
| Respiratory Rate? <u>(Y) N</u> | | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | Location(s): _____ | _____ |

Manatee ID: SWF 70118476/REC1812 Capture ID

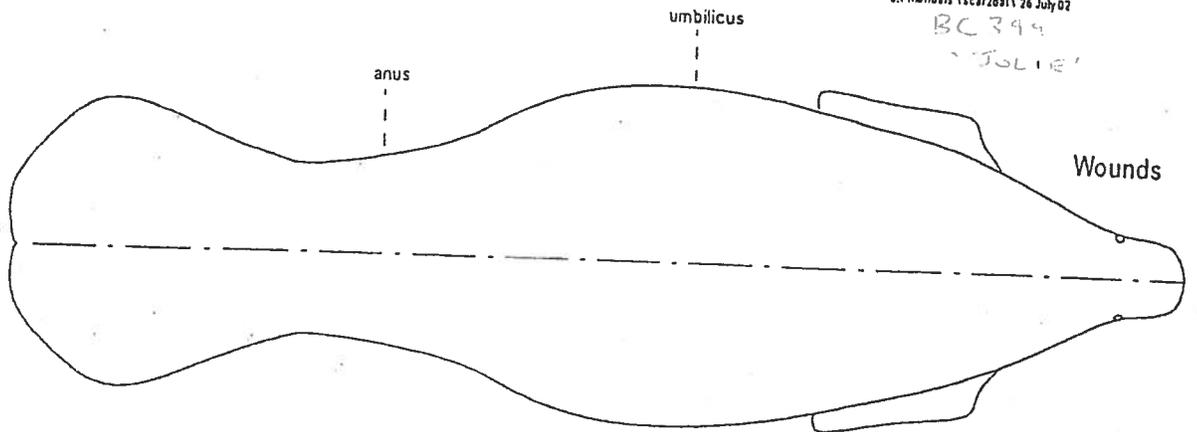
Date: 20 NOV 2014

| | | | | |
|--------------------|--|--|-------------|----------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / N volume: ml | Refrig / Freeze | | |
| | Urine? Y / N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / N | Freeze / EtOH | | |
| | Skin Scraping? Y / N Location: | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / N Location: | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / N Location: | Freeze / / DMSO | | |
| | Mucosal Swab? Y / N Oral / Rectal | Refrig | | |
| | Other? Y / N Tear Film / | Freeze / | | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="radio"/> Y / <input type="radio"/> N | PIT tagged at this capture? <input type="radio"/> Y / <input checked="" type="radio"/> N | | |
| | PIT tagged by: | N | | |
| | Right # | 11 - 123 - | | |
| | Left # | - - - - - | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: Antenna: | | |
| | VHF Frequency | 164. MHz | | |
| | Tag Sonic ID: FWC | Freq: kHz Code: PI: msec | | |
| BELT | ID# / Size / Color | FWC Length: in. Color: | | |
| | Belt Sonic ID: FWC | Freq: kHz Code: PI: msec | | |
| | Belt Knot / Webbing Exposed | Left / Right inches | | |
| | CR2a Programmed Release | Y / N Date/Time: | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: hs / tcc | Length: ft. | |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | SARA M WAPPS | | |
| | Exposures: | 2013-11-20 FWC025-4967 7112014 5003 | | |
| SKETCHES | Sketched by: | | | |
| COMMENTS | ENVIRON. | | | |
| | SAM SPURGEON IS A FWC VOLUNTEER | | | |

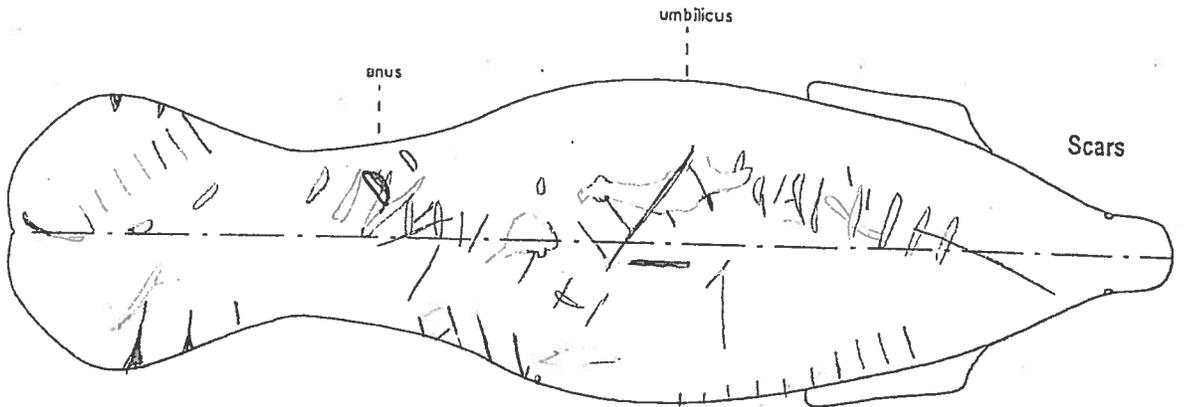
Date 2001 Nov 2, 12

Field I.D. SWI 741847B

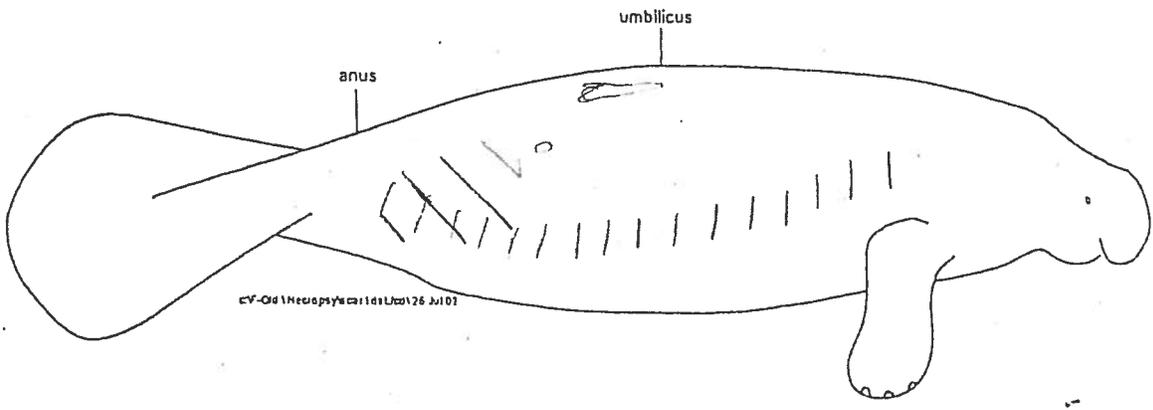
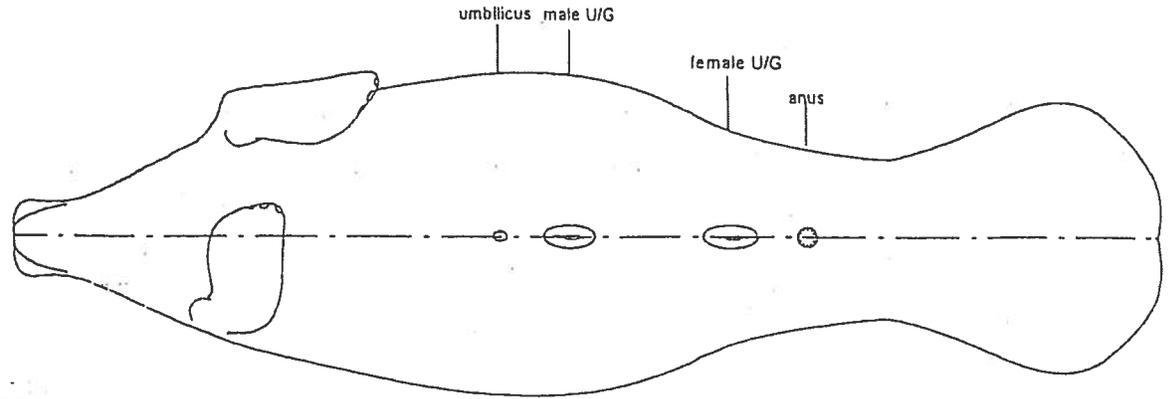
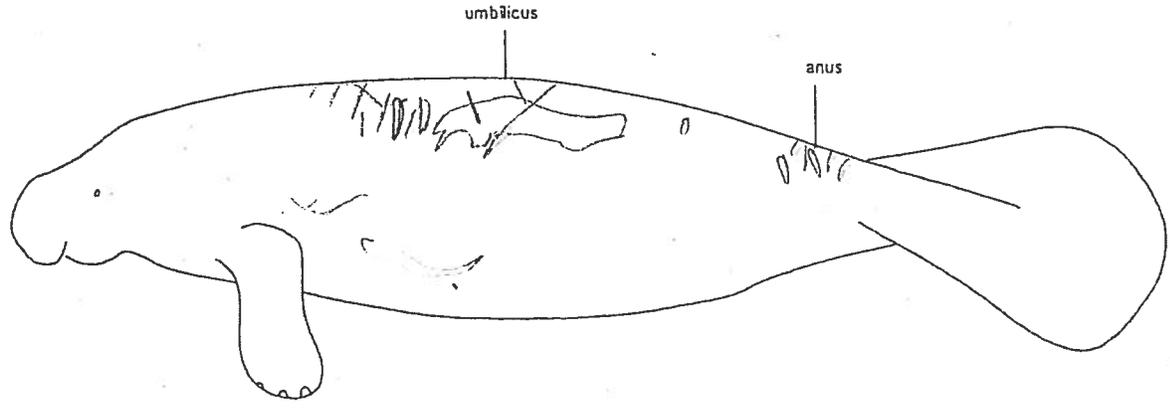
REC 1112
c.1 Manuals 1scar2dat 26 July 02
BC 394
'JOLIE'



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. SN 1A1147
170012
BC 399
'JUL 14'



CV-041Neopspycar101L0126 Jul07

rescue / release
8/26/18 12/27/18

Rescue Report

REC1813

GENERAL

| | | |
|---|--------------------------------------|---|
| Date of Rescue: 26 August 2018 | Date of Initial Call: 13 August 2018 | Filed by: S. Wappes |
| Rescue ID: REC1813 | Facility ID: SWFTm1848b | Other ID: JZGTM1805, Frankie |
| FWC Case Number: 11362, 11364, 11386, 11630, 11793, 11811, 11819, 11825, 12014, 12057 | | FWC Region: NE |
| Sex: Male | Length: 254 cm | Estimated: No |
| | Weight: 290 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: L: |
| State: FL | County: Brevard | City: Merritt Island |
| | | Waterway: Barge Canal |
| Latitude (Decimal Degrees): 28.4072639° N | | Longitude (Decimal Degrees): -80.7104972° W |
| Locality Description: approximately 80 m SSW of 161 Edgewater Way | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee was positively buoyant on the left side and had one long, linear, superficial wound extending from the mid cranial dorsum to the left caudal dorsum.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-08-26_3792 through 3798; FWC037_2018-08-26_4502; SEFL_ARH_2018-08-26_3057 through 3062; PUBLIC_2018-08-13_02; PUBLIC_2018-08-13_6504; PUBLIC_2018-08-21_2481, 2482; PUBLIC_2018-08-21_164814; PUBLIC_2018-08-25_113949. | |

HISTORY

| Date | Narrative |
|----------------|---|
| 13 August 2018 | <p>At 0947 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding a dead manatee near the Orlando Utilities Commission (OUC) power plant in Port St. John, Brevard County. FWC case number 11362 was assigned. The complainant, Steve (321-446-9790), stated that the manatee was bloated, swimming sideways, and had a gash on its side. At 0956 hrs, DEC received a text alert from Dispatch regarding an injured manatee near the OUC power plant. FWC case number 11364 was assigned. The complainant, Jenna (321-795-2826), reported a manatee that was having difficulty swimming and could not submerge. At 1007 hrs, DEC contacted OUC security supervisor-Michael Stevens (MS) to request that he send security staff to check on the manatee. At 1119 hrs, an OUC security officer called DEC and informed her that the manatee was barely visible from shore, but he sent DEC a photo. Because no one could stay with the manatee, it was decided that FWC would monitor the situation and wait for additional calls. At 1340 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding an injured manatee near the Manatee Hammock Campground in Titusville, Brevard County. FWC case number 11386 was assigned. The complainant, Daniel McGill (863-327-2710), stated that the manatee was bloated, had its back 12 inches out of the water, and was rolling over to expose its belly. The manatee was too far away for a photo and it was drifting north. At 1855 hrs, FWC biologist-William D. Greer (WDG) received a text alert from Dispatch regarding an injured manatee behind a residence in Titusville. FWC case number 11407 was assigned. The complainant, Jason Anzelmo (201-280-4701), stated that the manatee was bloated, sitting high in the water, and sideways. At 1907 hrs, WDG received a photo and video verifying that it was the same manatee.</p> |
| 16 August | <p>At 0833 hrs, MS contacted ECFL staff to inform them he had searched the OUC for the manatee but had not located it.</p> |
| 18 August | <p>At 1241 hrs, DEC received a text alert from Dispatch regarding an injured manatee under the NASA Causeway Bridge in Titusville. FWC case number 11630 was assigned. The complainant, Amanda Vento (321-403-2911), stated that the manatee was eight feet long, bloated, floating, and alone. At 1250 hrs, DEC received a video verifying it was the same animal. Due to the time of day on a weekend, a rescue was not organized.</p> |
| 21 August | <p>At 1048 hrs, SMW received a text alert from Dispatch regarding an injured animal behind a residence in Cocoa, Brevard County. FWC case number 11793 was assigned. The complainant, Tom (321-638-0272), stated that he saw a manatee or sea turtle struggling to submerge two hours ago. Based on location and description, it was presumed to be the same injured manatee. At 1410 hrs, DEC received a text alert from Dispatch regarding an injured manatee near the</p> |

528 Causeway in Cocoa. FWC case number 11811 was assigned. The complainant, Lee Tate (407-770-8820), stated that the manatee was bloated, swimming sideways, alone, and at least eight feet long. At 1418 hrs, DEC received a photo verifying that it was the same manatee. A rescue was not initiated because there were no rescue boats available nearby. At 1659 hrs, DEC received a text alert from Dispatch regarding an injured manatee behind a residence in Cocoa. FWC case number 11819 was assigned. The complainant, Matt (407-592-2382), stated that the manatee was seven feet long and was not submerging. At 1721 hrs, DEC received photos verifying that it was the same manatee. At 1821 hrs, FWC on-call biologist-Denise M. Boyd (DMB) received a text alert from Dispatch regarding an injured manatee behind a residence in Cocoa. FWC case number 11825 was assigned. The complainant, Ryan Howse (407-709-2944), stated that he saw a manatee floating and swimming at 1200 hrs. Based on location and description it was presumed to be the same animal. At 1848 hrs, DMB forwarded the information to ECFL staff.

25 August

At 1020 hrs, DEC received a text alert from Dispatch regarding an injured manatee behind a residence in Cocoa Beach. FWC case number 12014 was assigned. The complainant, Ruth (774-269-1215), stated that the manatee was not submerging, floating high in the water, and bobbing. The complainant also stated that her neighbor approached the manatee with a paddleboard, and it was unable to dive in response. At 1027 hrs, DEC received photos verifying that the animal was injured. At 1132 hrs, DEC and FWC volunteer-Joe Wolf (JW) arrived at the complainant's home. JW launched a kayak from the complainant's backyard and located the manatee in a nearby canal, but it was disturbed by a jet ski and left the canal heading north. Photos were unable to verify if it was the same manatee.

26 August

At 0953 hrs, SMW received a text alert from Dispatch regarding an injured manatee near the mouth of Sykes Creek in the Barge Canal in Merritt Island, Brevard County. FWC case number 12057 was assigned. The complainant, Barbara Bauer (321-432-2927), stated that the manatee was very buoyant, not submerging, and was with one other manatee. SMW received a video verifying that it was the same animal. At 1004 hrs, SMW called FWC biologist-Amber Howell to request assistance with the rescue. SMW requested FWC LE to monitor the animal and instructed the complainant to stay with animal until LE arrived. At 1018 hrs, SMW called SeaWorld Orlando-Jon Peterson (JP) to request personnel to assist with rescue and transport. At 1245 hrs, FWC ECFL, Brevard Zoo, and SeaWorld rescue teams arrived at the Kelly Park boat ramp. FWC SEFL staff arrived at the boat ramp at 1310 hrs and launched the rescue boat at 1327 hrs. The manatee was captured with a boat based net set, brought on board at 1424 hrs, transported to the boat ramp, and loaded into SeaWorld's transport truck at 1525 hrs. The manatee was transported to SeaWorld for rehabilitation.

PARTICIPANTS

FWC ECFL: Sara M. Wappes

FWC SEFL: Amber R. Howell, Samantha Smith

FWC volunteer: Joe Wolf, Gisele Nieman, Bob Nieman

SeaWorld Orlando: Ashley Killo, Jon Picard

Brevard Zoo: Honey Whitney

Edited by:

NJG

GLL

DJS

AJG

(Rev 01/20/2017)

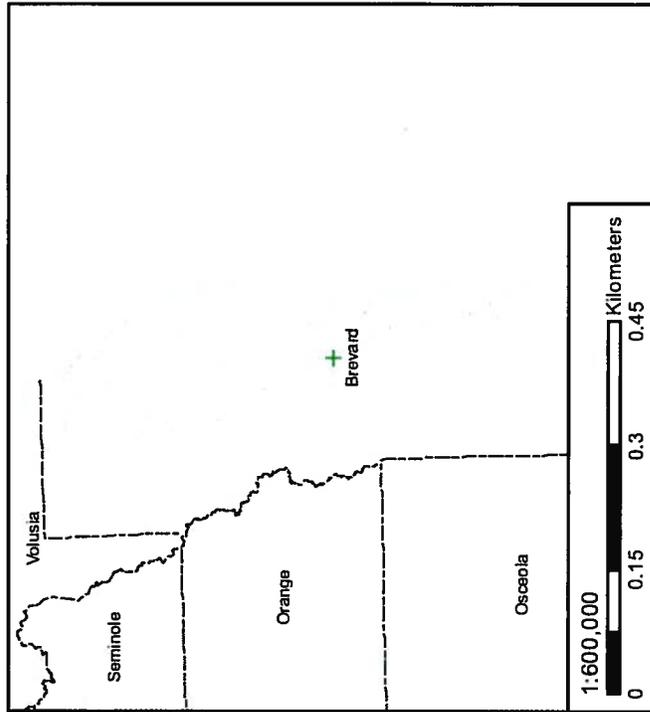
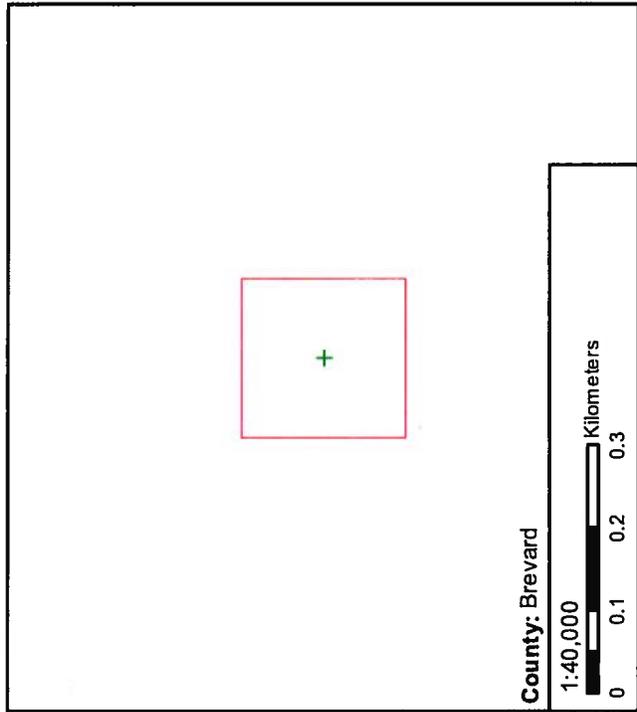
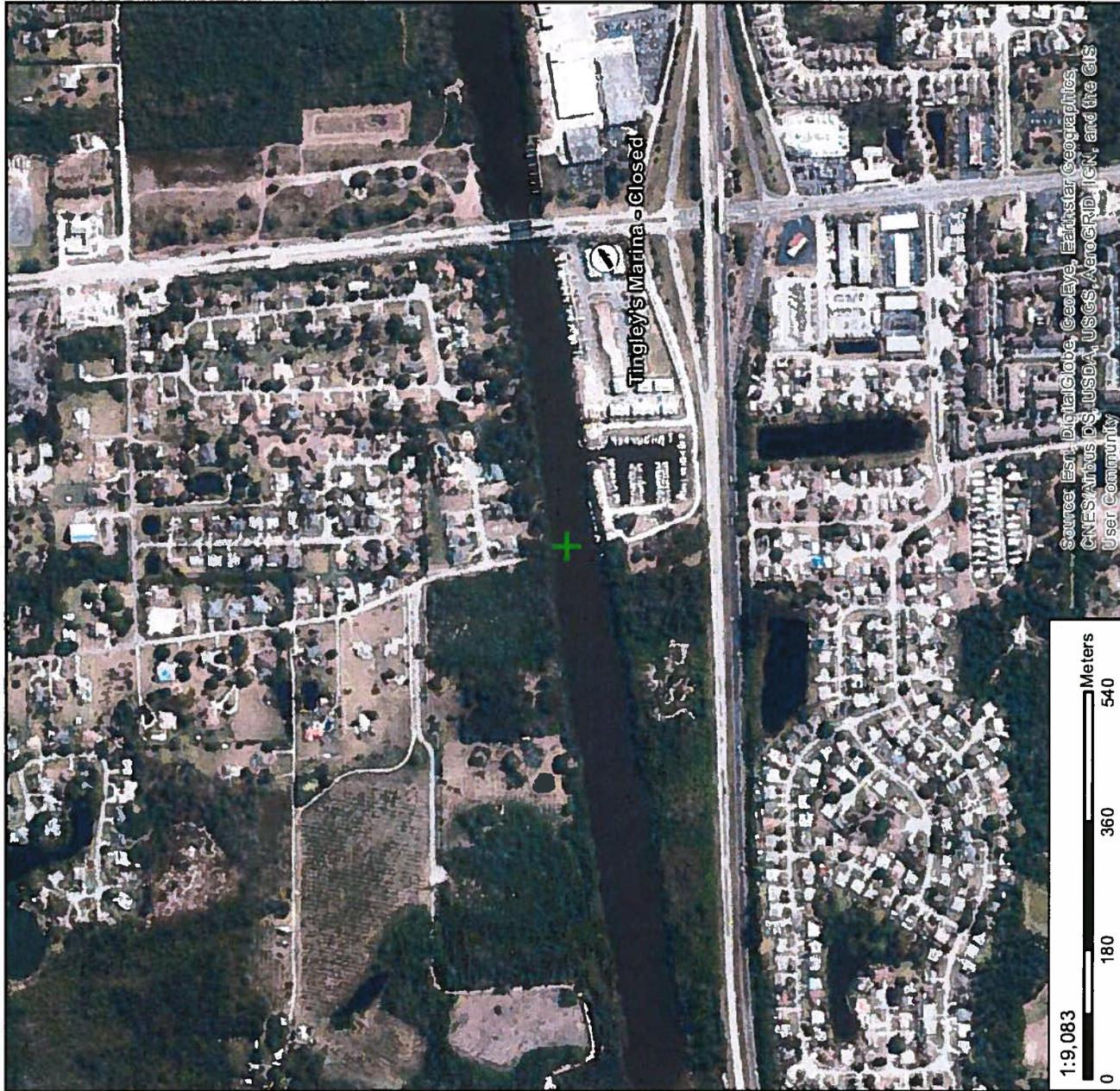


Verified Response Location of Manatee Rescue REC1813

Rescue Date: 8/26/2018

Facility ID: SWFTm1848b

Map Created 9/16/2020



Locality Description:

approximately 80 m SSW of 161 Edgewater Way

Latitude: 28.40727°N

Longitude: -80.71043°W

Whitcomb, Tara

From: Garrett, Andy
Sent: Monday, August 27, 2018 8:46 AM
To: Abby Stone; Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Barbeau, Brittany; Buddy Powell; Davis, Carol; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Claire Erlacher-Reid; Cora Berchem; Craig Miller; Craig Pelton; D; Carter, Dani; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelly Martin; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Tamborini, Kyanna; Lara Croft ; Laura Eldridge; Lauren Smith; Laurie Adler; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Lydia Staggs; Mackenzie Russell; Thompson, Margaret; Martz, Meg; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Hurst; Mike Walsh; Molly Lippincott; Monica Ross; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Smith, Samantha; Wappes, Sara; Tennant, Sean; Segelson, Carli; Beard, Shelby; Stacy Dirocco; Susan Butler; Neel, Susan; Szemer, Donna; Whitcomb, Tara; Teresa Calleson; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue alert
Attachments: IMG_3059.JPG

Merritt Island:

Yesterday afternoon, FWC and Sea World responded to a report of an excessively buoyant manatee with a linear watercraft wound. The manatee was captured (see attached photo) and transported to Sea World.



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTm1848B

Capture ID: REC1813

Data Recorder: _____

Name: Frankie / JZ Tm180

Date: 27 Dec 2018

ID of its Calf / Mom: _____

Sex: (M) / F

TIMES

Initial Pursuit: _____
 Net Set: _____
 Captured(Onboard): _____
 On Beach: _____
 Released: _____

CAPTURE
 Location: _____
 Latitude: _____ N
 Longitude: _____ W
 Water Temp: _____ C F

RELEASE
 Location: _____
 Latitude: 28.475113 N
 Longitude: .1264 W
 Water Temp: _____ C F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.4 C F Wind: _____ mph SE Cloud Cover: S PC MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>278</u> | |
| | Total Length (straight) | <u>257</u> | |
| | Snout to Peduncle | | |
| | Snout to Anus | | |
| | Snout to Umbilicus | <u>106</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>103</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>134</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>155</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>153</u> | |

| ULTRASOUND | | Reader Name: _____ | | | |
|-----------------------|---------------|--------------------|------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: 1 / 2 | 1 | / | / | / | |
| Other: | 2 | / | / | / | |
| | 3 | / | / | / | |

| CONDITION | Body Score: | 1 | 2 | 3 | 4 | 5 |
|---------------------------------|--------------|---|---|--------------|---|---|
| Health Concerns? | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / N</u> | | | | Ribs visible? <u>Y / N</u> | |
| Side between anus & peduncle: | | | | | Rounded / Flat / Concave | |
| Ventrum: | | | | | Rounded / <u>Flat</u> / Concave / Ventral Folds | |
| Fresh Wounds or Lesions: | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? <u>Y / N</u> | Describe: |
|----------------|------------------------|-----------|
| Lactating? | <u>Y / N</u> | |

| MONITORING | Heartrate: Stethoscope EKG Doppler None | Data Sheets? <u>Y N</u> |
|---|---|-------------------------|
| Temperature: Oral Naso-pharyngeal Rectal None | | <u>Y N</u> |
| Respiratory Rate? <u>Y N</u> | | <u>Y N</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | Location(s): _____ | |

Manatee ID: J267m180

Capture ID 1

Date:

| | | | | |
|--------------------|---|--|-------------|----------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: _____ ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / | Freeze / | | |
| PIT TAG | Scanned for previous PIT tag? <u>Y / N</u> | PIT tagged at this capture? <u>Y / N</u> | | |
| | PIT tagged by: <u>(18 Dec 2018)</u> |  0007AC2EBF | | |
| | Right # <u>Y. Jafarey</u> | | | |
| | Left # <u>N. Gordon</u> | | | |
| | | | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M.</u> | | |
| | Exposures: | <u>2018-12-27_FWC025_630</u> | | |
| SKETCHES | Sketched by: | <u>ALLAN PUGH</u> | | |
| COMMENTS | | | | |
| h s | | | | |

Rescue Report

REC1814

GENERAL

| | | | | |
|--|--------------------------------------|---|---------------------------|--|
| Date of Rescue: 30 August 2018 | Date of Initial Call: 30 August 2018 | Filed by: W. Greer | | |
| Rescue ID: REC1814 | Facility ID: N/A | Other ID: N/A | | |
| FWC Case Number: 12306 | FWC Region: NE | | | |
| Sex: Unknown | Length: 215 cm | Estimated: Yes | Weight: N/T kg | Estimated: Choose an item. |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: | L: | |
| State: Florida | County: Volusia | City: Oak Hill | Waterway: Mosquito Lagoon | |
| Latitude (Decimal Degrees): 28.87388° N | | Longitude (Decimal Degrees): -80.83928° W | | |
| Locality Description: Approximately 50 m ENE of 253 River Road | | | | |
| Method of Capture or Assistance: In Water: Disentanglement | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|--|---|--------------------|
| Gear Type: (Check all that apply) | | |
| <input type="checkbox"/> Monofilament Line | <input checked="" type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input checked="" type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input checked="" type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input type="checkbox"/> Other (Specify) _____ | |
| Location of Entanglement: left flipper | | |
| If Crab Pot: | | |
| Float#: Unknown | Color: Orange/White | Line Type: Unknown |
| Damage from Gear: | | |
| <input checked="" type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions | |
| <input type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: 0 cm | |
| Comments: two wraps around flipper | | |
| Gear Retained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | PUBLIC_2018-09-11_01 through 02 | |

HISTORY

| Date | Narrative |
|-----------------------|---|
| 30 August 2018 | At 2010 hrs, FWC on-call biologist-Nadia J. Gordon received a text alert from FWC NE Dispatch-Orlando regarding an officer who had disentangled a manatee from a crab trap line in Indian River North in Oak Hill, Volusia County. FWC case number 12306 was assigned. FWC-Officer Seth Loeffler stated he entered the water, grabbed onto the buoy and cut it off with a knife. Approximately 1foot of line was still attached to the buoy and both floated away. The trap, still attached with line to the manatee, then hit him in the leg, so he picked it up and used its line to wrap around a PVC pipe in the water to keep the manatee from fleeing. He “tussled around with the manatee” before getting it freed from the line, which was wrapped two times around the left pectoral flipper. He did not observe any damage from the gear. The floating buoy was photographed, but not collected. The crab trap and line were collected, photographed and then returned to the owner. Buoy number and type of line were not recorded by the officer. |

PARTICIPANTS

FWC LE: Ofc. Seth Loeffler

Edited by:

- DJS
- GLL
- NJG
- AJG

(Rev: 01/20/2017)

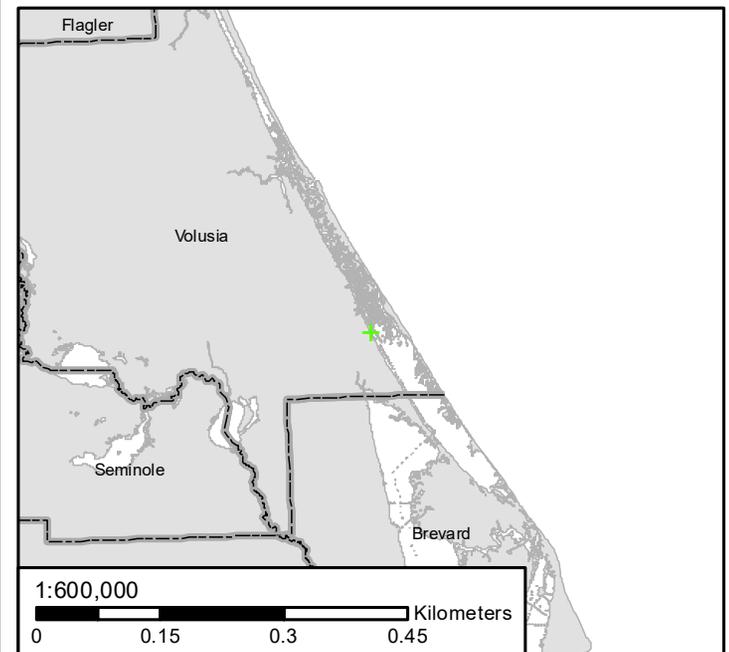
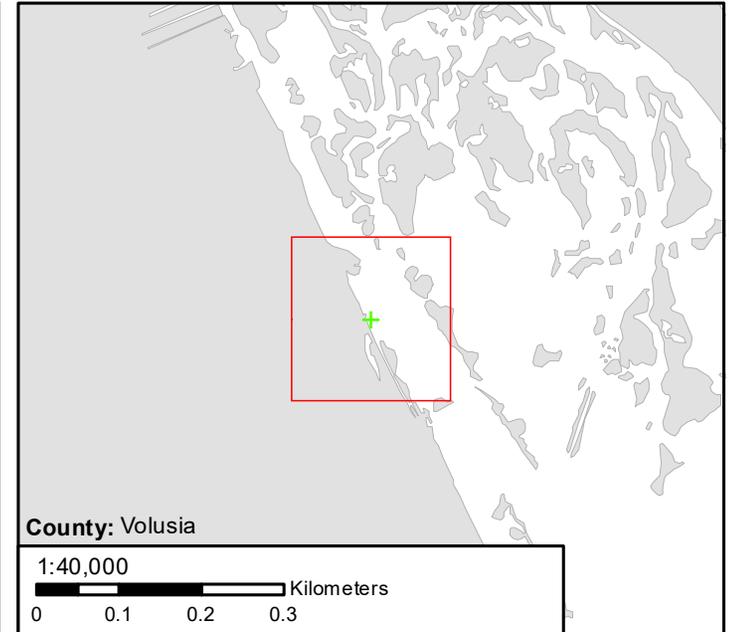


Verified Response Location of Manatee Rescue REC1814

Rescue Date: 8/30/2018

Facility ID: N/A

Map Created 9/16/2020



Locality Description:

approximately 50 m ENE of 253 River Road

Latitude: 28.87388°N

Longitude: -80.83931°W

Rescue Report

GENERAL

| | | | | | |
|--|-----------------|---|--|------------------------|----|
| Date of Rescue: 11 September 2018 | | Date of Initial Call: 10 September 2018 | | Filed by: D. Carter | |
| Rescue ID: REC1815 | | Facility ID: SWFTm1854b | | Other ID: Guinness | |
| FWC Case Number: 12943, 12981 | | | FWC Region: NE | | |
| Sex: Male | Length: 237 cm | Estimated: No | Weight: 238 kg | Estimated: No | |
| PIT Tag Present: No | | PIT Tag Applied: No | | R: | L: |
| State: FL | County: Brevard | City: Titusville | | Waterway: Indian River | |
| Latitude (Decimal Degrees): 28.624429° N | | | Longitude (Decimal Degrees): -80.812005° W | | |
| Locality Description: approximately 45 m NE of 801 Marina Road | | | | | |
| Method of Capture or Assistance: Boat Based: Hoop Net (Other: _____) | | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee was excessively buoyant, listing to one side, and having difficulty submerging. It had a superficial, linear wound extending from the cranial dorsum to the mid left lateral aspect.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | FWC025_2018-09-11_3913 through 3927; PUBLIC_2018-09-10_0475 | |

HISTORY

| Date | Narrative |
|-------------------|--|
| 10 September 2018 | <p>At 1231 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee near Sand Point Park in Titusville, Brevard County. FWC case number 12943 was assigned. The complainant, Mike Smith (321-412-3163), stated that a four-foot manatee was having trouble submerging and half of its body was out of water. WDG requested FWC LE assistance. FWC-Officer Jordan Humphrey arrived at the park, located the manatee swimming offshore, sent WDG a photo at 1332 hrs, and left the park. At 1500 hrs, WDG and FWC biologist-Danielle E. Carter (DEC) arrived at the park and searched for the manatee but were unable to locate it.</p> |
| 11 September | <p>At 0823 hrs, WDG received a text alert from Dispatch regarding an injured manatee near Sand Point Park in Titusville. FWC case number 12981 was assigned. The complainant, Kelsey (321-447-4248), stated that the manatee's tail was flapping, and a large portion of its body was out of water. At 0835 hrs, the complainant sent WDG a photo of the manatee, which appeared to be the same animal reported the previous day. WDG requested FWC LE assistance. At 1008 hrs, WDG and DEC arrived at the Marina Park boat ramp. At 1020 hrs, FWC-Officer Dan Rasey arrived at the ramp and launched his vessel. At 1120 hrs, the team located the manatee. Multiple unsuccessful capture attempts were made with the hoop net until the manatee was captured at 1140 hrs. The manatee was towed to the boat ramp at 1200 hrs, lifted into the transport truck with the help of a citizen, and transported to SeaWorld Orlando, arriving at 1311 hrs.</p> |

PARTICIPANTS

FWC ECFL: William D. Greer, Danielle E. Carter
 FWC LE: Ofc. Dan Rasey
 Citizen

Edited by:

NJG
 GLL
 DJS
 AJG

(Rev 01/20/2017)

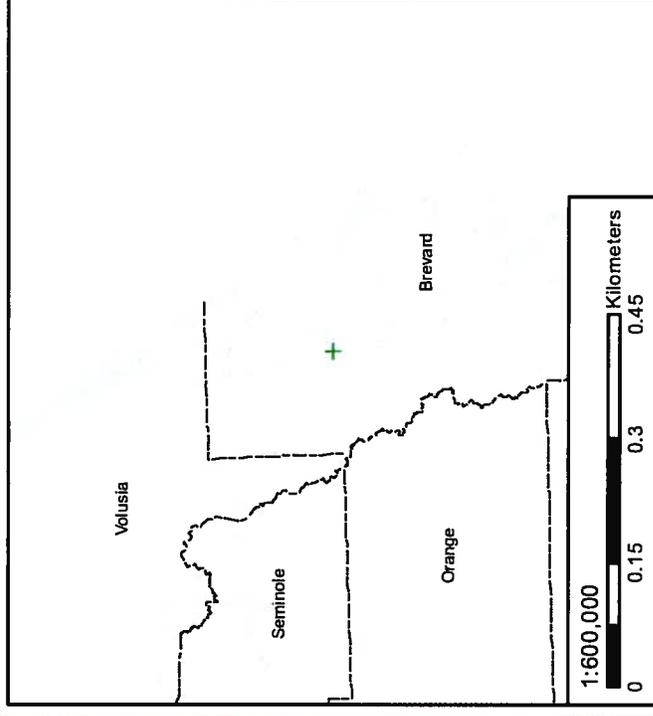
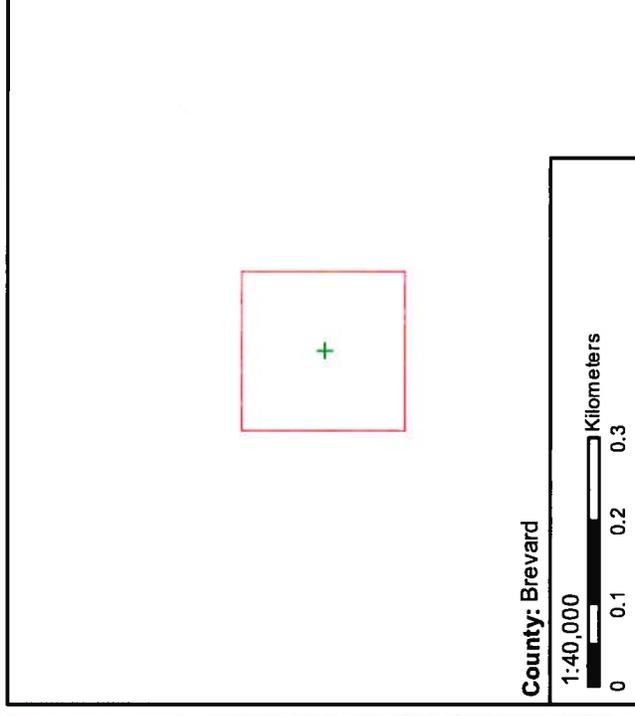


Verified Response Location of Manatee Rescue REC1815

Rescue Date: 9/11/2018

Facility ID: SWFTm1854b

Map Created 9/14/2020



Locality Description:
approximately 45 m NE of 801 Marina Road

Latitude: 28.62445°N

Longitude: -80.81199°W

Whitcomb, Tara

From: Garrett, Andy
Sent: Tuesday, September 11, 2018 1:36 PM
To: Abby Stone; Adrienne Atkins; Wellman, Alicia; Perna, Allison; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Barbeau, Brittany; Buddy Powell; Davis, Carol; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Claire Erlacher-Reid; Cora Berchem; Craig Miller; Craig Pelton; D; Carter, Dani; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Georgia Zern; Gordon, Nadia; Gretchen Lovewell; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jessica Misora; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelly Martin; Kelsey Jennings; Kimberlee Tennile; Koslovsky, Stacie; Tamborini, Kyanna; Lara Croft ; Laura Eldridge; Lauren Smith; Laurie Adler; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Lydia Staggs; Mackenzie Russell; Thompson, Margaret; Martz, Meg; Maya; Melody Fischer; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Hurst; Mike Walsh; Molly Lippincott; Monica Ross; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Smith, Samantha; Wappes, Sara; Tennant, Sean; Segelson, Carli; Beard, Shelby; Stacy Dirocco; Susan Butler; Neel, Susan; Szemer, Donna; Whitcomb, Tara; Teresa Calleson; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: rescue update
Attachments: IMG_0475.JPG; IMG_0476.jpg

Titusville:

Yesterday, ECFL staff received a report of an excessively buoyant listing manatee in Indian River (see attached photo).

This morning, FWC biologists responded to another report from an FWC LE vessel. The manatee was confirmed as excessively buoyant with a more than 90 degree list. The manatee was hoop netted from the LE vessel and towed to shore. The 7 ft male manatee was transported to Sea World.



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-862

Manatee ID: SWFTM1854B/REC1815 Capture ID: _____

Data Recorder: W. GARDNER/PAUL L. W.

Name: 'GUINNESS'

Date: 31 OCT 2018

ID of its Calf / Mom: _____

Sex: (M) / F

TIMES

Initial Pursuit: _____

Net Set: _____

Captured (Onboard): _____

On Beach: _____

Released: 1101

CAPTURE

Location: _____

Latitude: _____ N

Longitude: _____ W

Water Temp: _____ C F

RELEASE

Location: TITUSVILLE MARINA BOAT RAMP

Latitude: 28.6219333 N

Longitude: -080.8098472 W

Water Temp: 23.8 (C) F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess

Workup Site: Air Temp = 23.6 (C) F Wind: 11 mph NE Cloud Cover: S (C) MC O R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|-----------------------------------|------------------------------|--------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>253 cm</u> | |
| | Total Length (straight) | <u>232 cm</u> | |
| | Snout to Peduncle | <u>164 cm</u> | |
| | Snout to Anus | <u>155 cm</u> | |
| | Snout to Umbilicus | <u>82 cm</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>99</u> cm | Belt Loc: _____ in |
| | Girth at Anus: actual or 1/2 | <u>130 cm</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>177 cm</u> | |
| | Girth at Axilla: actual or 1/2 | <u>161 cm</u> | |

| ULTRASOUND | Reader Name: _____ | | | |
|------------------------------|--------------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: | 1 | 2 | <u>(3)</u> | 4 | 5 |
|---------------------------------|----------------|---|---|------------------------|--------------------------------|---|
| Health Concerns? | | | | <u>Y / (N)</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / (N)</u> | | | | Ribs visible? <u>Y / (N)</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | Flat / Concave / Ventral Fold | |
| Fresh Wounds or Lesions: | | | | <u>(Y) / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>William Gardner</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / (N)</u> | | |

| REPROD. STATUS | Pregnant? Y / N Describe: |
|----------------|---------------------------|
| | _____ |
| | Lactating? _____ Y / N |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>(None)</u> | Data Sheets? Y <input checked="" type="checkbox"/> |
|------------|--|--|
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> | Y <input checked="" type="checkbox"/> |
| | Respiratory Rate? <u>(Y) N</u> | Y <input checked="" type="checkbox"/> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | _____ | _____ |
| | Location(s): _____ | |

Manatee ID: SWF Tr 19546 / REC 1815 Capture ID

Date: 31 OCT 2018

| | | | | |
|--------------------|--|---|--------------|-------------|
| BLOOD | Collect Blood? Y / N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? Y / N volume: ml | Refrig / Freeze | | |
| | Urine? Y / N | Refrig / Freeze / EtOH | | |
| | Fecal? Y / N | Freeze / EtOH | | |
| | Skin Scraping? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? Y / N Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? Y / N Location: _____ | Freeze / / DMSO | | |
| | Mucosal Swab? Y / N Oral / Rectal | Refrig | | |
| | Other? Y / N Tear Film / _____ | Freeze / _____ | | |
| PIT TAG | Scanned for previous PIT tag? <u>(Y)</u> / N | PIT tagged at this capture? Y / <u>(N)</u> | | |
| | PIT tagged by: | SWF - JON PERAZZINI | | |
| | Right # | 00 - 07 B 9 - 9 1 5 9 | | |
| | Left # | 00 - 07 B C - 9 E 9 2 | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: kHz | Code: | PI: msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: | | |
| | Belt Sonic ID: FWC _____ | Freq: kHz | Code: | PI: msec |
| | Belt Knot / Webbing Exposed | Left / Right | _____ inches | |
| | CR2a Programmed Release | Y / N | Date/Time: | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | WILLIAM D. GAZER | | |
| | Exposures: | 2018-10-31_FWC025_4651 THROUGH 4675 | | |
| SKETCHES | Sketched by: | SARA M WAPLES | | |

COMMENTS

THIRD: SMALL HEALING LESIONS ON ... (1)

ENVIRONMENTAL DATA COLLECTED AT 1117

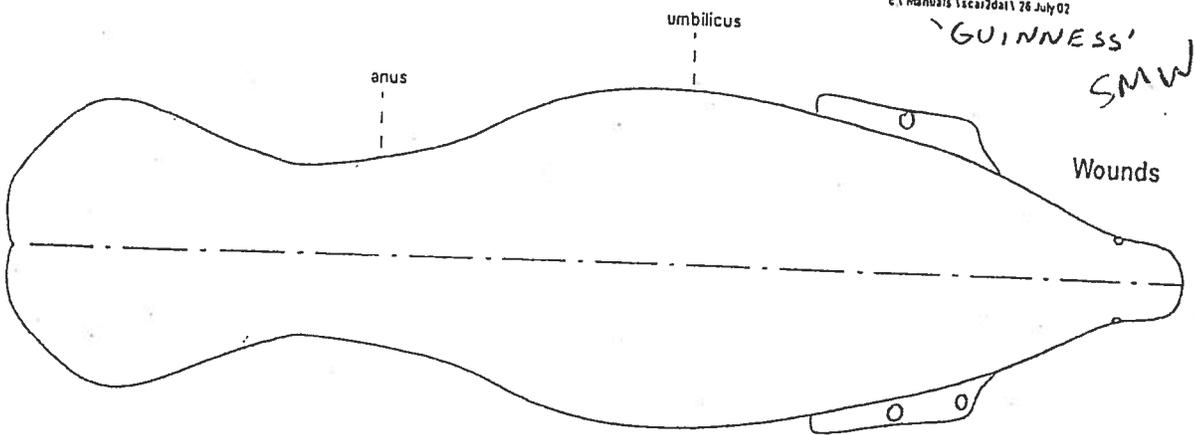
PAUL LINS IS AN REFC VOLUNTEER

Date 31 OCT 2018

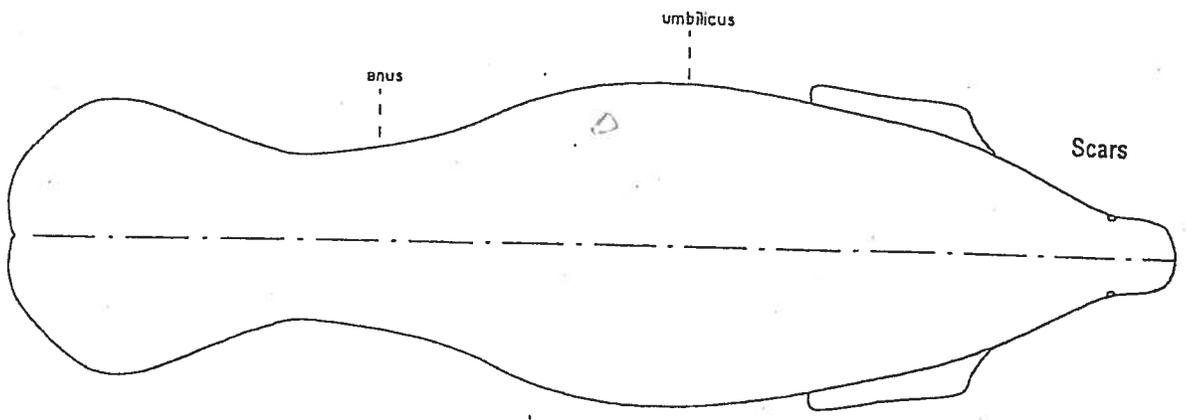
Field I.D. SWFTM185413

REC 1315
c:\Manuals\scar2dat\ 26 July 02

'GUINNESS'
SMW

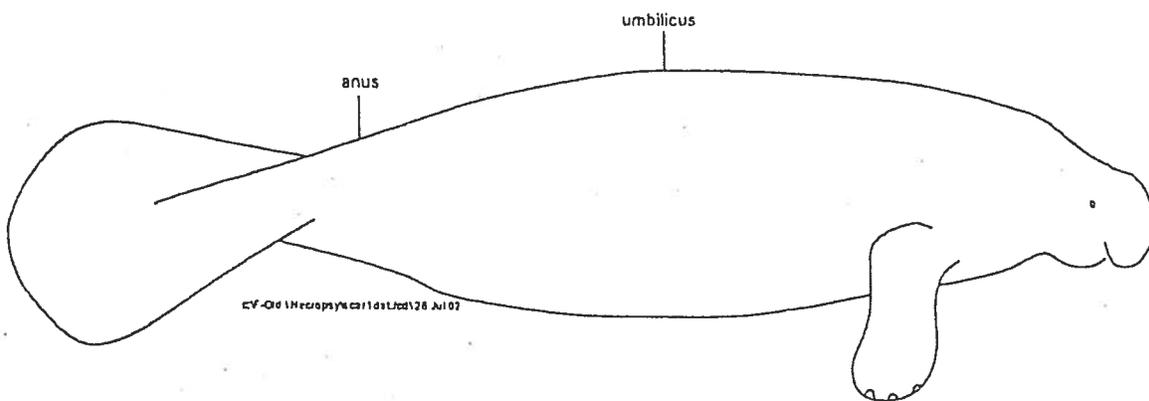
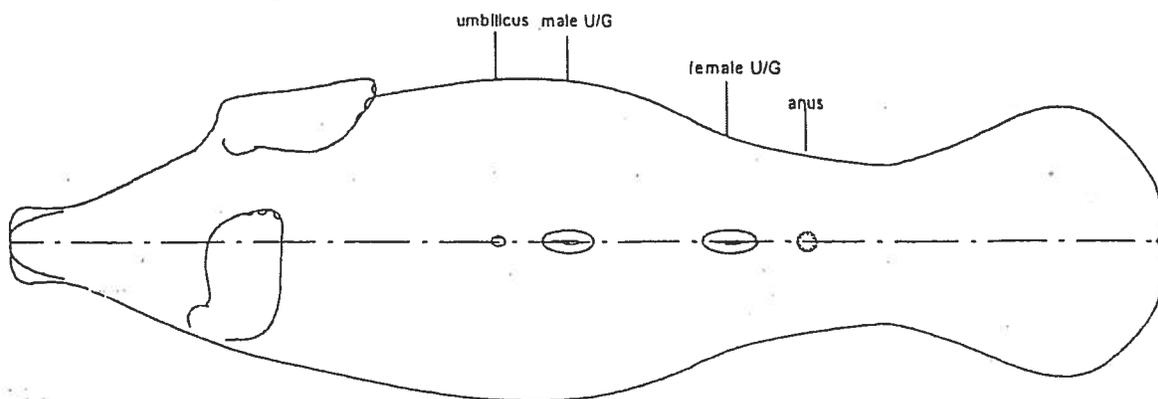
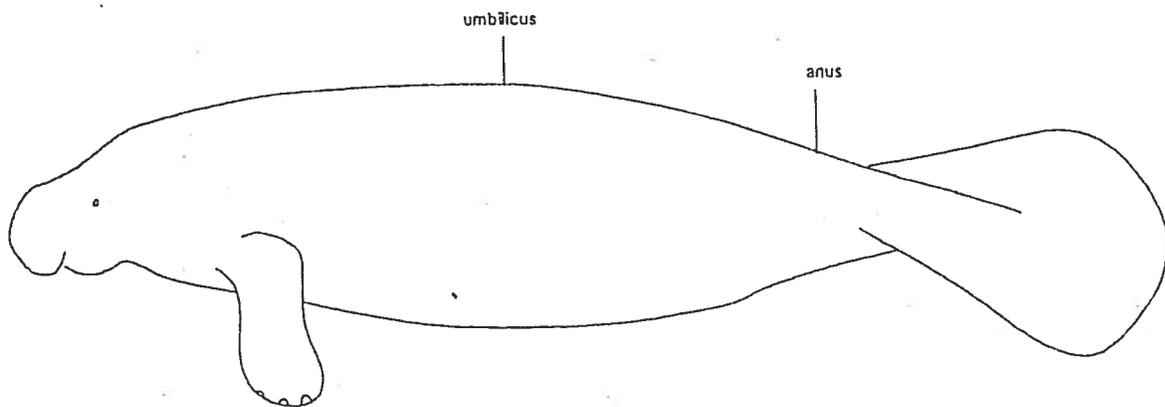


| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D.

SN: 7m 13546
R. L. B. S.
'GUINNESS'



rescue/release
10/24/18 10/31/18

Rescue Report

REC1816

GENERAL

| | | | | |
|--|---|--------------------|------------------------|---------------|
| Date of Rescue: 24 October 2018 | Date of Initial Call: 22 September 2018 | Filed by: W. Greer | | |
| Rescue ID: REC1816 | Facility ID: SWFTm1865b | Other ID: UEC1802 | | |
| FWC Case Number: 13605, 13964, 14019, 14793 | FWC Region: NE | | | |
| Sex: Female | Length: 268 cm | Estimated: No | Weight: 381 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: Florida | County: Brevard | City: Titusville | Waterway: Indian River | |
| Latitude (Decimal Degrees): 28.4931222° N | Longitude (Decimal Degrees): -80.7698444° W | | | |
| Locality Description: approximately 830 m ESE of 7775 South Hwy US 1 | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|--|---|---------------------------|
| Gear Type: (Check all that apply) | | |
| <input type="checkbox"/> Monofilament Line | <input checked="" type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input checked="" type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input type="checkbox"/> Other (Specify) _____ | |
| Location of Entanglement: Distal third of the left flipper | | |
| If Crab Pot: | | |
| Float#: V8807 | Color: Yellow | Line Type: White polyprop |
| Damage from Gear: | | |
| <input type="checkbox"/> No Damage | <input checked="" type="checkbox"/> Abrasions | |
| <input checked="" type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: N/T cm | |
| Comments: There were two wraps of rope around the distal third of the left flipper. The epidermis was scarred white and pink and there were bloody wounds with rounded margins penetrating the dermis at the leading and trailing aspects of the left flipper. The rope was left in place so a veterinarian could examine the wound; therefore, depth of penetration was not obtained. | | |
| Gear Retained? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |

Rescue Report

REC1816

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2018-10-24_FWC025_4625 through 4637; 2018-10-24_NEFL_NJG_0018 through 0021; 2018-10-25_FWC025_4638 through 4647; PUBLIC_2018-09-22_1930 | |

HISTORY

| Date | Narrative |
|--------------------------|--|
| 22 September 2018 | <p>At 1005 hrs, FWC biologist-Danielle E. Carter (DEC) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee in Haulover Canal in Allenhurst, Brevard County. FWC case number 13605 was assigned. The complainant, Robin Faircloth (386-747-7731), stated that a manatee entangled in a crab trap was swimming past her anchored boat when the trap got caught on the anchor line and the manatee started thrashing. The complainant's husband was able to grab the trap and cut it off, but the line and buoy were still attached to the manatee (UEC1802). DEC received a photo from the complainant at 1016 hrs and asked them to recover the trap. At 1037 hrs, DEC requested FWC LE assistance. DEC then contacted SeaWorld, USFWS, and FWC NEFL but no one was immediately available. At 1245 hrs, DEC arrived at the Bairs Cove boat ramp in Titusville, Brevard County and boarded the vessel of FWC LE-Officers Maslo and Wehner. They then traveled to the complainant's vessel, which was still with the manatee, and recovered the trap. DEC and the officers were able to approach the manatee a few times with the boat. DEC and Officer Maslo grabbed the buoy and verified that the line was entangled around the left flipper. The severity of the entanglement could not be determined due to the manatee thrashing and poor water clarity. Numerous attempts were made to disentangle the manatee from the vessel, but it was determined too active for further attempts.</p> |
| 28 September | <p>At 1101 hrs, FWC biologist-William D. Greer (WDG) received a text alert from Dispatch regarding a manatee with a yellow crab trap buoy in Indian River in Titusville. FWC case number 13964 was assigned. The complainant, Tim (321-794-6005), stated that he saw the manatee while he was driving near the A. Max Brewer Bridge but did not have any photos. Due to the proximity to the FWC LE office in Titusville, WDG requested an FWC officer to verify the</p> |

report. FWC LE-Officer Seth Loeffler searched by land but was unable to locate the manatee.

29 September

At 1029 hrs, WDG received a text alert from Dispatch regarding a manatee with a crab trap buoy in Indian River in Merritt Island. FWC case number 14019 was assigned. The complainant, Marta Pessaro (321-449-4720), stated her staff had located a manatee with a yellow buoy in the Pine Island Conservation Area. At 1249 hrs, WDG received a photo from the complainant, but due to the time of day and distance, no rescue was attempted.

13 October

At 0932 hrs, FWC biologist-Nadia Gordon (NJG) received a text alert from Dispatch regarding a manatee entangled with a yellow buoy in Indian River in Titusville. FWC case number 14793 was assigned. The complainant, Kevin (321-225-2223), stated the manatee was near Banana Creek and had one other manatee with it. NJG contacted Kennedy Space Center (KSC) security who agreed to send someone to confirm the report. At 1116 hrs, a KSC staff member confirmed the report and location of the manatee but was unable to stay with it. Therefore, no rescue was attempted.

24 October

At 0900 hrs, WDG received a call from Florida Power and Light-Cape Canaveral Energy Center (FPL-CCEC)-Jennifer Pickett stating there was a manatee with a crab trap buoy near their boat ramp. At 0925 hrs, WDG requested rescue assistance from SeaWorld Orlando-Jon Peterson (JP). At 0928 hrs, WDG requested rescue assistance from NJG and the NEFL. At 0951 hrs, WDG received a photo from Jennifer Pickett to confirm the entanglement. At 1010 hrs, WDG and FWC biologist-Sara M. Wappes (SMW) arrived at the FPL-CCEC boat ramp. At 1102 hrs, the manatee started to leave the boat ramp area, so SMW got into a kayak to follow the manatee. At 1145 hrs, SeaWorld staff arrived at FPL-CCEC and at 1255 hrs, NJG, FWC biologist-Allison C. Perna and a NEFL volunteer arrived with the NEFL capture boat. At that time, SMW advised the manatee was heading into the Orlando Utilities Commission (OUC) canal north of FPL-CCEC. The team drove to the OUC boat ramp and launched the NEFL capture boat. At 1419 hrs, the first boat-based net set was attempted. The target animal was not captured, but a calf (IEC1803) was caught and then released. A second boat-based net set was unsuccessful. At 1535 hrs, a third boat-based net set was completed, and the target manatee was captured. It was transported to the OUC boat ramp, loaded into the SeaWorld rescue truck, and transported to SeaWorld for rehabilitation.

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes

FWC NEFL: Nadia J. Gordon, Allison C. Perna

FWC Volunteer: Colby Nance

SeaWorld Orlando: Kristy Unger, Julie Moore, Lindsay Klaum

Brevard Zoo volunteer: Liz Czok

Edited by:

NJG
GLL
DJS
AJG

(Rev 01/20/2017)

PHOTOS



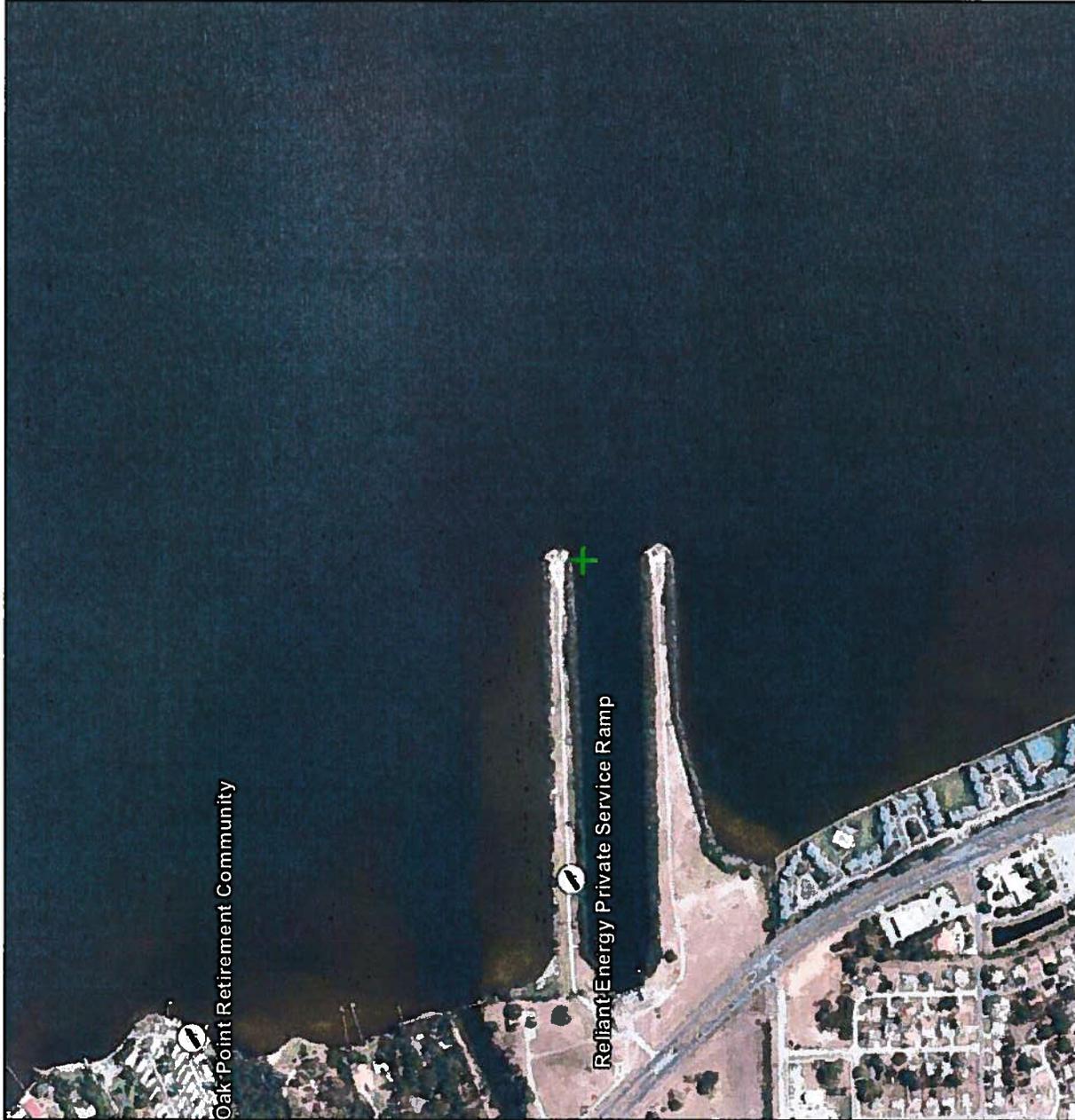


Verified Response Location of Manatee Rescue REC1816

Rescue Date: 10/24/2018

Facility ID: SWFTm1865b

Map Created 9/14/2020



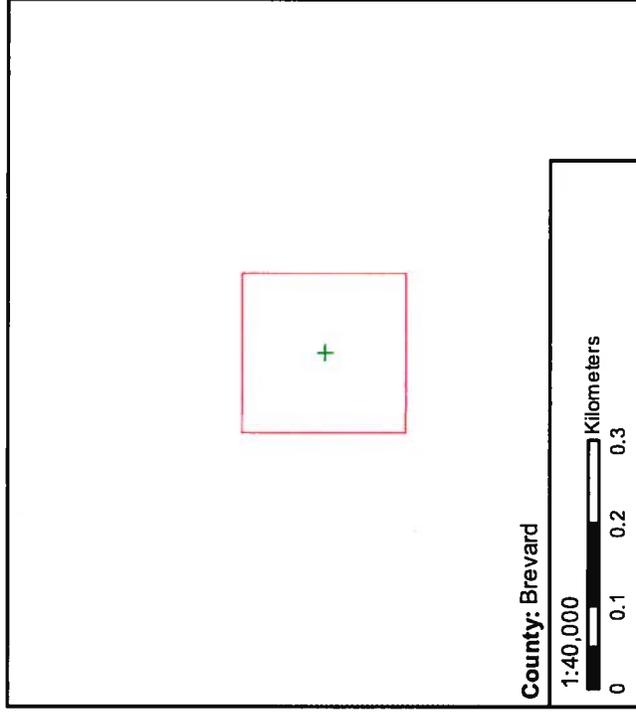
1:9,083



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

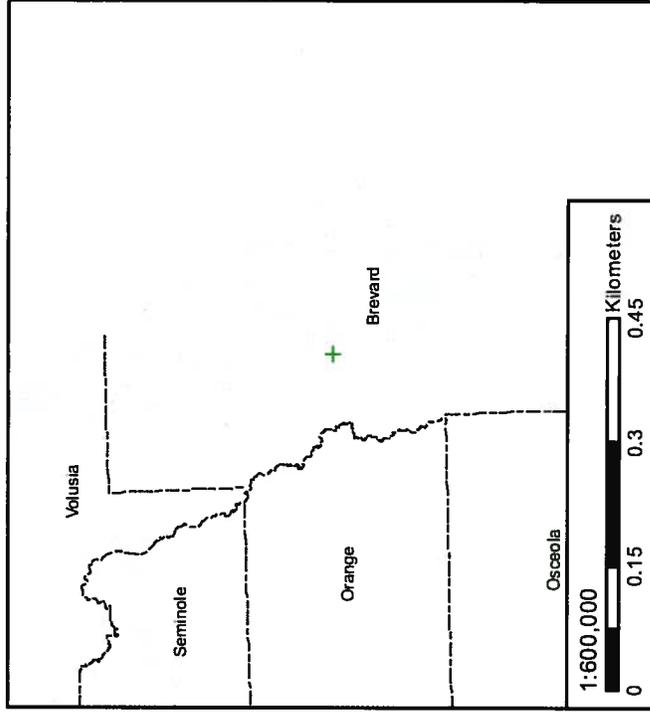
Locality Description:

830 m ESE of 7775 South Hwy US 1



County: Brevard

1:40,000



1:600,000



Latitude: 28.49312°N

Longitude: -80.76983°W

Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: SWFTm13656/REG1816

Capture ID: _____

Data Recorder: W. GREEN / PAUL LINS

Name: _____

Date: 31 OCT 2018

ID of its Calf / Mom: _____

Sex: M / (F)

| |
|--------------------------|
| TIMES |
| Initial Pursuit: _____ |
| Net Set: _____ |
| Captured(Onboard): _____ |
| On Beach: _____ |
| Released: <u>1113</u> |

| |
|-----------------------|
| CAPTURE |
| Location: _____ |
| Latitude: _____ N |
| Longitude: _____ W |
| Water Temp: _____ C F |

| |
|--|
| RELEASE |
| Location: <u>T. TOWNES MAR NA 3547 400</u> |
| Latitude: <u>28.6219333</u> N |
| Longitude: <u>-080.8098472</u> W |
| Water Temp: <u>23.8</u> (C) F |

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess.
 Workup Site: Air Temp = 23.6 (C) F Wind: 1.1 mph NE Cloud Cover: S (PC) MC O R

| | | | |
|----------------------|--|-------------------------------|--------------------|
| MORPHOMETRICS | Weight: (lb or kg) <u>356 kg</u> | Manatee + stretcher | Stretcher weight |
| Lengths | Total Length (curvilinear) (cm) | <u>285 cm</u> | |
| | Total Length (straight) | <u>268 cm</u> | |
| | Snout to Peduncle | <u>193 cm</u> | |
| | Snout to Anus | <u>178 cm</u> | |
| | Snout to Umbilicus | <u>102 cm</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>109</u> cm | Belt Loc: _____ in |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>136 cm</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>183 cm</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>148 cm</u> | |

| | | | | |
|------------------------------|--------------------|-----------|----------|----------|
| ULTRASOUND | Reader Name: _____ | | | |
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| | |
|------------------------------------|--|
| CONDITION | Body Score: <u>1</u> <u>2</u> <u>(3)</u> <u>4</u> <u>5</u> |
| Health Concerns? | <u>Y / (N)</u> (If yes, describe in comments) |
| Peanut shaped head? <u>Y / (N)</u> | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | <u>(Rounded)</u> / Flat / Concave |
| Ventrum: | Rounded / <u>(Flat)</u> / Concave / Ventral Folds |
| Fresh Wounds or Lesions: | <u>(Y)</u> / N (If yes, describe in comments) |
| Person(s) assessing condition: | <u>William Green</u> |
| Clinical Assessment Data Sheet? | <u>Y / (N)</u> |

| | |
|-----------------------|--|
| REPROD. STATUS | Pregnant? <u>Y / (N)</u> Describe: _____ |
| | Lactating? <u>Y / (N)</u> |

| | | |
|-------------------|--|---------------------------|
| MONITORING | Heartrate: Stethoscope EKG Doppler <u>(None)</u> | Data Sheets? <u>Y (N)</u> |
| | Temperature: Oral Naso-pharyngeal Rectal <u>(None)</u> | <u>Y (N)</u> |
| | Respiratory Rate? <u>(Y) N</u> | <u>Y (N)</u> |

| | | |
|---------------------|--------------------------------|-------------------|
| FREEZE BRAND | Letters/Numbers applied: _____ | Applied by: _____ |
| | Location(s): _____ | |

| | | | | |
|--------------------|--|--|---|----------------|
| BLOOD | Collect Blood? <input type="checkbox"/> Y / <input type="checkbox"/> N | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <input type="checkbox"/> Y / <input type="checkbox"/> N | volume: _____ ml | Refrig / Freeze | |
| | Urine? <input type="checkbox"/> Y / <input type="checkbox"/> N | | Refrig / Freeze / EtOH | |
| | Fecal? <input type="checkbox"/> Y / <input type="checkbox"/> N | | Freeze / EtOH | |
| | Skin Scraping? <input type="checkbox"/> Y / <input type="checkbox"/> N | Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | |
| | Skin Biopsy? <input type="checkbox"/> Y / <input type="checkbox"/> N | Location: _____ | Refrig / Freeze / EtOH / DMSO / NBF / Slide | |
| | Tail Cookie? <input type="checkbox"/> Y / <input type="checkbox"/> N | Location: _____ | Freeze / _____ / DMSO | |
| | Mucosal Swab? <input type="checkbox"/> Y / <input type="checkbox"/> N | Oral / Rectal | Refrig | |
| | Other? <input type="checkbox"/> Y / <input type="checkbox"/> N | Tear Film / _____ | Freeze / _____ | |
| PIT TAG | Scanned for previous PIT tag? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | PIT tagged at this capture? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N | | |
| | PIT tagged by: | <u>SWF - Jon Peterson</u> | | |
| | Right # | <u>00 - 07 BC - 9 F 7 2</u> | | |
| | Left # | <u>00 - 07 BA - 3 1 8 0</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. _____ MHz | | |
| | Tag Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| BELT | ID# / Size / Color | FWC _____ Length: _____ in. Color: _____ | | |
| | Belt Sonic ID: FWC _____ | Freq: _____ kHz | Code: _____ | PI: _____ msec |
| | Belt Knot / Webbing Exposed | Left / Right _____ inches | | |
| | CR2a Programmed Release | Y / N Date/Time: _____ | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M. WAPPES</u> | | |
| | Exposures: | <u>2018-10-31_FWC025_4676 THROUGH 4703</u> | | |
| SKETCHES | Sketched by: | <u>SARA M. WAPPES</u> | | |

COMMENTS

THERE WAS A HEALING ENTANGLEMENT WOUND ON THE LEFT FLIPPER,
 CLEARED BY SWF VET BUT STILL HEALING

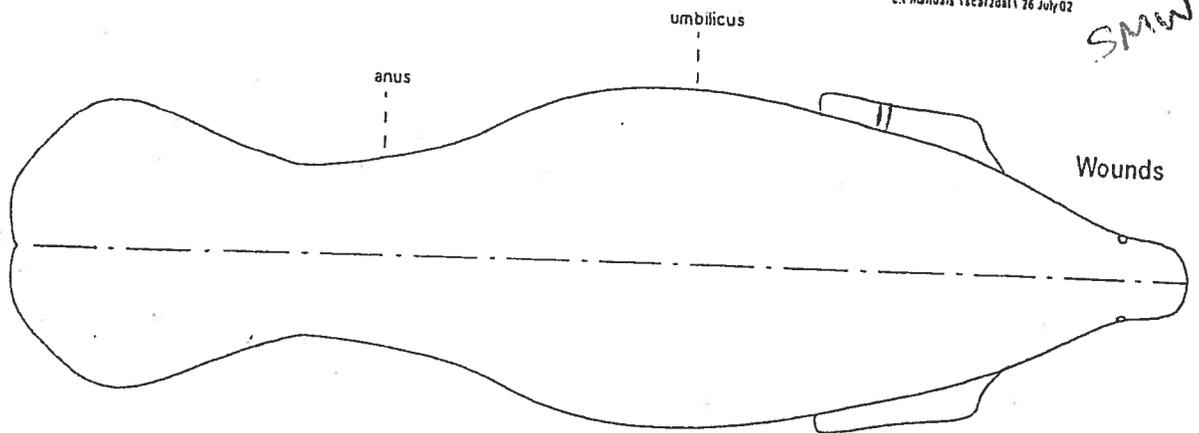
ENVIRONMENTAL DATA COLLECTED AT 1117.

PAUL LINS IS AN REEF VOLUNTEER

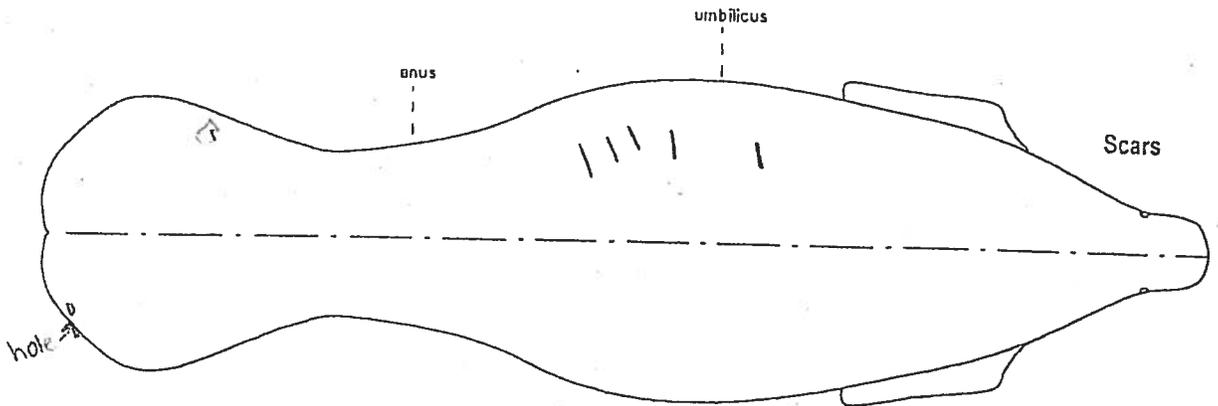
Date 31 OCT 2018

Field I.D. SWFTM1865B
REC1816
c:\Manuals\scar2dat\ 26 July 02

SMW



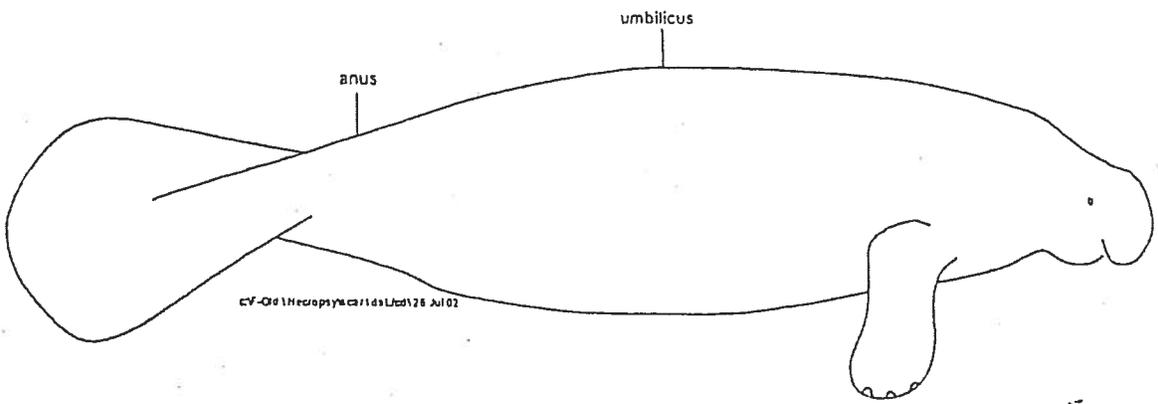
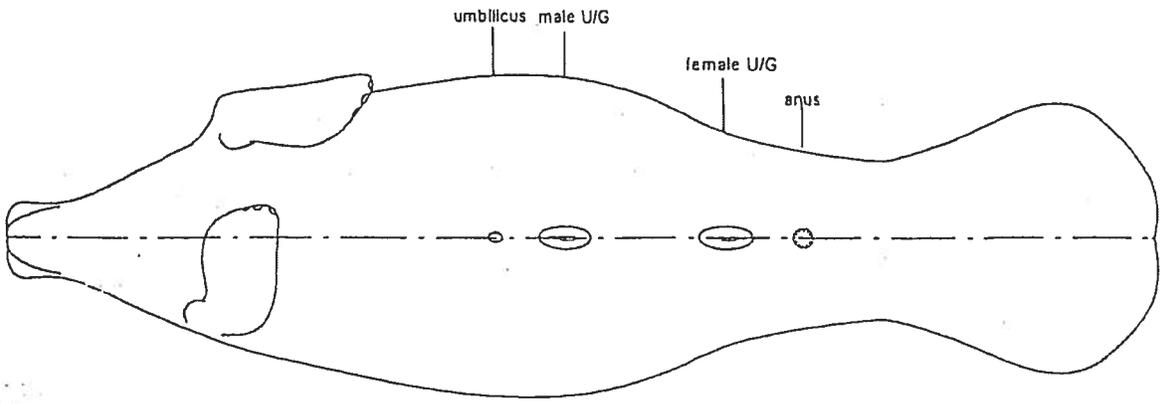
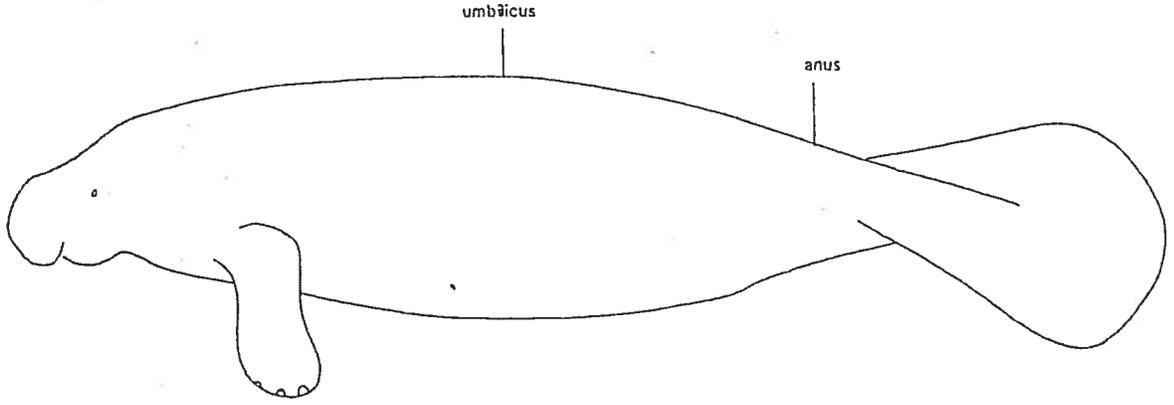
| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D.

SWF 7m 1865b

Ric 1816



CV-061 Necropsy ca/14s Ucd 126 Jul 02

ASSIST + Release

Rescue Report

REC1817 released
11/1/18

GENERAL

| | | |
|---|--|---|
| Date of Rescue: 01 November 2018 | Date of Initial Call: 01 November 2018 | Filed by: S. Wappes |
| Rescue ID: REC1817 | Facility ID: | Other ID: |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Female | Length: 227 cm | Estimated: No |
| | Weight: 250 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-079A-C161 |
| | | L: 00-079A-72D1 |
| State: FL | County: Brevard | City: Merritt Island |
| | | Waterway: Mosquito Lagoon |
| Latitude (Decimal Degrees): 28.7054778° N | | Longitude (Decimal Degrees): -80.7209222° W |
| Locality Description: Approximately 115 m S of Biolab Boat Ramp | | |
| Method of Capture or Assistance: Land Based: Net Set | | (Other: _____) |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input checked="" type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entrapment-Human Related

Describe: Manatees stuck in mosquito impoundment; unable to get back through pipe since water levels dropped. Larger female seen getting halfway through pipe and then backing out multiple times.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2018-11-01_FWC025_4704 through 4716; 2018-11-01_ECFL_SMW_0225 | |

HISTORY

| Date | Narrative |
|-------------------------|--|
| 01 November 2018 | At 1021 hrs, FWC biologist-William D. Greer (WDG) received a call from Merritt Island National Wildlife Refuge-Stan regarding two manatees trapped in a mosquito impoundment south of the Biolab boat ramp in the Mosquito Lagoon, Allenhurst, Brevard County. Stan stated that it was a mom-calf pair and that the mom had tried to leave through a pipe multiple times but had only gotten halfway through before backing out. WDG called FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation. WDG called SeaWorld Orlando-Jon Peterson to ensure that they could accept the manatees in case rehabilitation was needed. WDG, FWC biologist-Sara M. Wappes (SMW), Hubbs biologists-Wendy Noke Durden and Teresa Jablonksi, Brevard Zoo and volunteers met at the Biolab boat ramp at 1305 hrs and arrived at the manatees' location at 1310 hrs. The net was deployed from land and the smaller of the two manatees (RNW1817) was captured in the net at 1328 hrs. The net was deployed again, and the larger manatee (RNW1818) was captured at 1403 hrs. Both manatees were assessed and PIT tagged, then transported to the Biolab boat ramp and released at 1546 hrs. |

PARTICIPANTS

- FWC ECFL: William D. Greer, Sara M. Wappes
- FWC volunteer: Joe Wolf
- Hubbs SeaWorld: Wendy Noke Durden, Teresa Jablonksi
- Hubbs volunteer: Ashton Adams
- Brevard Zoo: Jim Schmitz, Melissa Fishman
- Merritt Island National Wildlife Refuge staff

Edited by:

- DJS
- GLL
- NJG
- AJG

(Rev. 01/20/2017)

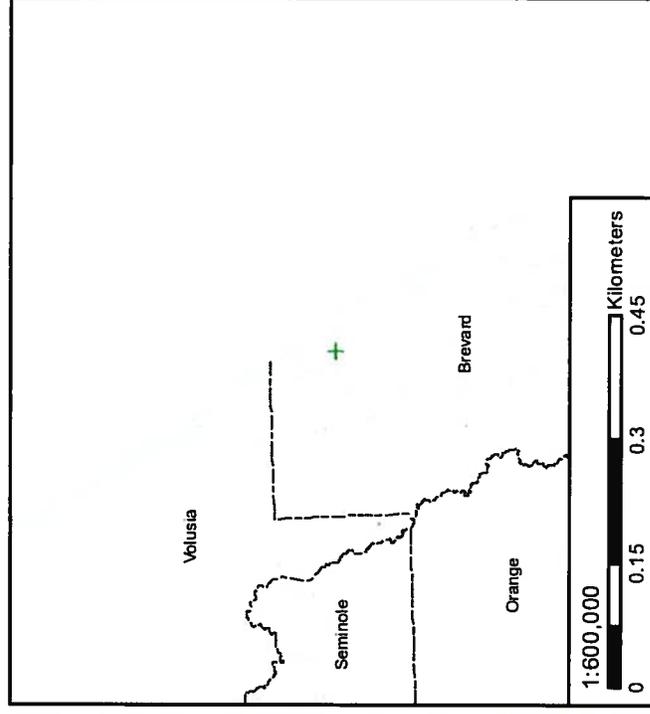
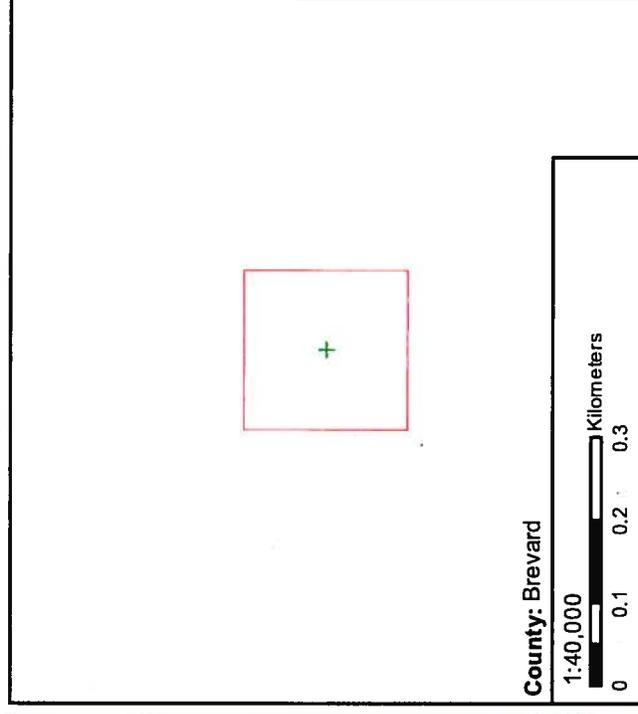


Verified Response Location of Manatee Rescue REC1817

Rescue Date: 11/1/2018

Facility ID: N/A

Map Created 9/15/2020



Locality Description:

approximately 115 m S of Biolab boat ramp

Latitude: 28.70547°N

Longitude: -80.72091°W

Whitcomb, Tara

From: Garrett, Andy
Sent: Thursday, November 01, 2018 3:14 PM
To: Abby Stone; Wellman, Alicia; Perna, Allison; Amber Lea Kincaid; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Barbeau, Brittany; Buddy Powell; Davis, Carol; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Chris Massaro; Chris Plante; Christina Nau; Claire Erlacher-Reid; Cora Berchem; Craig Miller; Craig Pelton; D; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Gordon, Nadia; Gretchen Lovewell; Heather Henry; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jennifer Helseth Johnson; Jessica Schiffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelly Martin; Kelsey Jennings; Kerri Scolardi; Kimberlee Tennile; Koslovsky, Stacie; Tamborini, Kyanna; Lara Croft ; Laura Eldridge; Lauren Smith; Laurie Adler; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Lydia Staggs; Thompson, Margaret; Martz, Meg; Maya; Melody Fischer; Kilborn, Melody; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Hurst; Mike Walsh; Molly Lippincott; Monica Ross; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Smith, Samantha; Wappes, Sara; Tennant, Sean; Segelson, Carli; Beard, Shelby; Sheri Barton; Stacy Dirocco; Susan Butler; Neel, Susan; Szemer, Donna; Whitcomb, Tara; Teresa Calleson; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: Rescue Alert
Attachments: IMG_20181101_102730929.jpg; IMG_0869.jpeg

Mosquito Lagoon Impoundment (Brevard County):

FWC-ECFL responded to a call this morning of a mom-calf pair entrapped in a mosquito impoundment. The adult female was observed trying to swim through a culvert, but the water level is too low. A capture team (FWC, Hubbs-Sea World, Brevard Zoo, and USFWS Refuge) was organized and captured the manatees.

The adult female was not lactating. The suspected "calf" is 230 cm. Both were relocated and released.



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-8626

Manatee ID: REC 1317

Capture ID: _____

Data Recorder: WENDY NICKER QUINN

Name: _____

Date: 01 NOV 2018

ID of its Calf / Mom: _____

Sex: M / (F)

CAPTURE
 Location: MOSQUITO IMPROVEMENT
 Latitude: 28.7054778 N
 Longitude: -80.7209222 W
 Water Temp: NIT C F

RELEASE
 Location: BIO LAB BOAT RAMP
 Latitude: 28.7066333 N
 Longitude: -80.7208417 W
 Water Temp: 25.8 (C) F

TIMES
 Initial Pursuit: 1320
 Net Set: 1320
 Captured(Onboard): 1328
 On Beach: 1328
 Released: 1546

EVENT: Capture X Rescue Pre-release Assess. Release Post-release Assess.

Workup Site: Air Temp = 28.5 (C) F Wind: 0.8 mph SE Cloud Cover: S PC MC (R)

| MORPHOMETRICS | Weight: (lb or kg) <u>250 kg (EST)</u> | Manatee + stretcher | Stretcher weight |
|----------------|---|------------------------------|------------------------|
| Lengths | Total Length (curvilinear) (cm) | <u>245</u> | |
| | Total Length (straight) | <u>227</u> | |
| | Snout to Peduncle | <u>163</u> | |
| | Snout to Anus | <u>150</u> | |
| | Snout to Umbilicus | <u>80</u> | |
| Girths | Girth at Peduncle: actual or 1/2 | Ultrasound Loc: <u>95</u> cm | Belt Loc: <u> </u> in |
| | Girth at Anus: actual or 1/2 | <u>125</u> | |
| | Girth at Umbilicus: actual or 1/2 | <u>169</u> | |
| | Girth at Axilla: actual or 1/2 | <u>154</u> | |

| ULTRASOUND | Reader Name: _____ | | | |
|------------------------------|--------------------|-----------|----------|----------|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> |

| CONDITION | Body Score: <u> </u> 1 <u> </u> 2 <u>(3+)</u> 4 <u> </u> 5 |
|------------------------------------|---|
| Health Concerns? | <u>Y / (N)</u> (If yes, describe in comments) |
| Peanut shaped head? <u>Y / (N)</u> | Ribs visible? <u>Y / (N)</u> |
| Side between anus & peduncle: | <u>(Rounded)</u> / Flat / Concave |
| Ventrum: | Rounded / <u>(Flat)</u> / Concave / Ventral Folds |
| Fresh Wounds or Lesions: | <u>Y / (N)</u> (If yes, describe in comments) |
| Person(s) assessing condition: | <u>WILLIAM D. GREER</u> |
| Clinical Assessment Data Sheet? | <u>Y / (N)</u> |

| REPROD. STATUS | Pregnant? <u>Y / N</u> Describe: <u>UNKNOWN</u> |
|----------------|---|
| Lactating? | <u>Y / (N)</u> |

| MONITORING | Heartrate: Stethoscope EKG Doppler <u>(None)</u> Data Sheets? <u>Y (N)</u> |
|--|---|
| Temperature: Oral Naso-pharyngeal Rectal <u>None</u> | <u>Y (N)</u> |
| Respiratory Rate? <u>(Y) N</u> | <u>Y (N)</u> |

| FREEZE BRAND | Letters/Numbers applied: _____ Applied by: _____ |
|--------------------|--|
| Location(s): _____ | |

Manatee ID: R 201817

Capture ID

Date: 01 NOV 2018

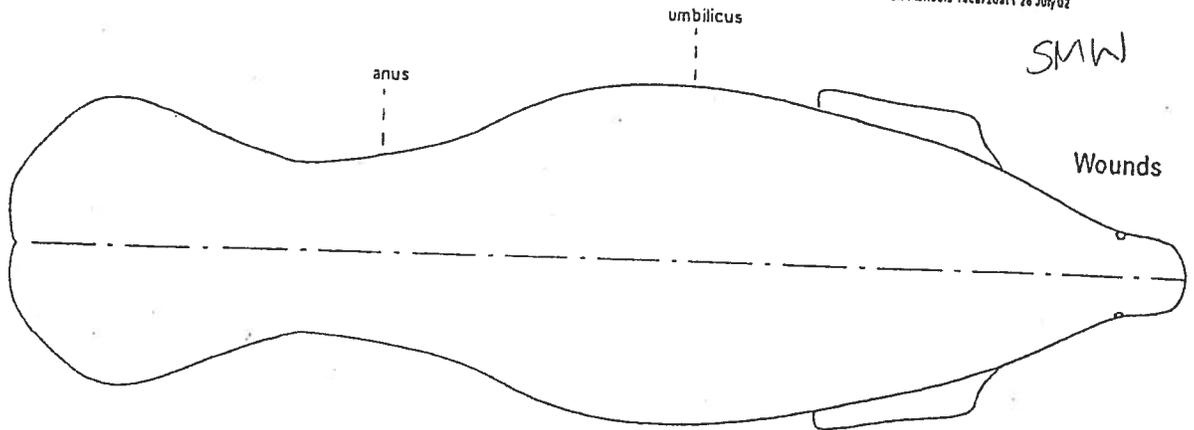
| | | | | |
|--------------------|--|--|--------------------|----------------------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: <u> </u> ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: <u> </u> | Freeze / <u> </u> / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / <u> </u> | Freeze / <u> </u> | | |
| PIT TAG | Scanned for previous PIT tag? <u>Y / N</u> | PIT tagged at this capture? <u>Y / N</u> | | |
| | PIT tagged by: | <u>FWC - SARA M. WAPPES</u> | | |
| | Right # | <u>00 - 079A - C161</u> | | |
| | Left # | <u>00 - 079A - 72D1</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: | Antenna: | |
| | VHF Frequency | 164. <u> </u> MHz | | |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| BELT | ID# / Size / Color | FWC <u> </u> Length: <u> </u> in. Color: <u> </u> | | |
| | Belt Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz | Code: <u> </u> | PI: <u> </u> msec |
| | Belt Knot / Webbing Exposed | Left / Right | <u> </u> inches | |
| | CR2a Programmed Release | <u>Y / N</u> Date/Time: <u> </u> | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: | hs / tcc | Length: ft. |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M WAPPES</u> | | |
| | Exposures: | <u>2018-11-01_FWC025_4704 THROUGH 4716</u> | | |
| SKETCHES | Sketched by: | <u>SARA M. WAPPES</u> | | |
| COMMENTS | <p><u>ADDITIONAL PHOTO: 2018-11-01 - ECFC - SMW - 0225</u></p> <p><u>ENVIRONMENTAL DATA COLLECTED AT 1550</u></p> <p><u>WEIGHT ESTIMATED FROM KAMU RIGBY'S FORMICA</u></p> <p><u>WENDY NABE OVERSHAW IS A HUBBS BIRLBOG-57</u></p> | | | |

Date 01 NOV 2018

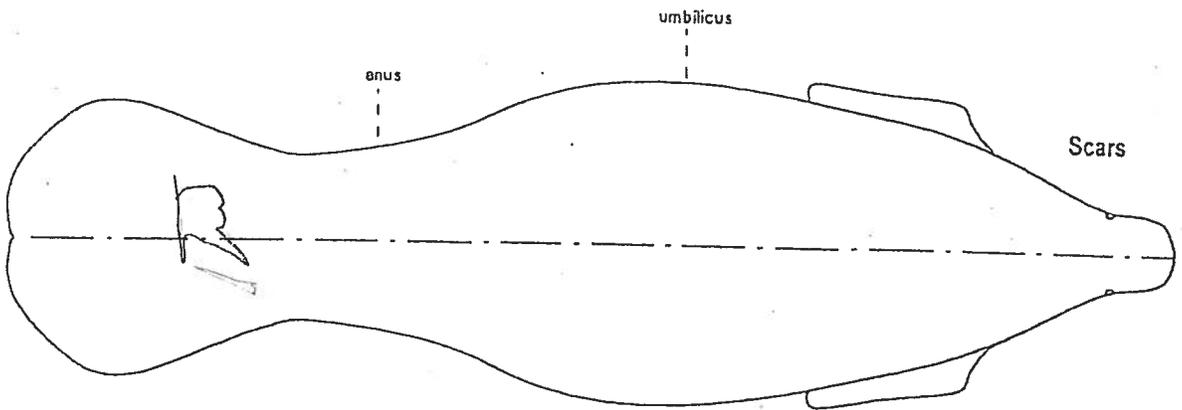
Field I.D. REC1817

c1 Manual Scar2dat1 26 July 02

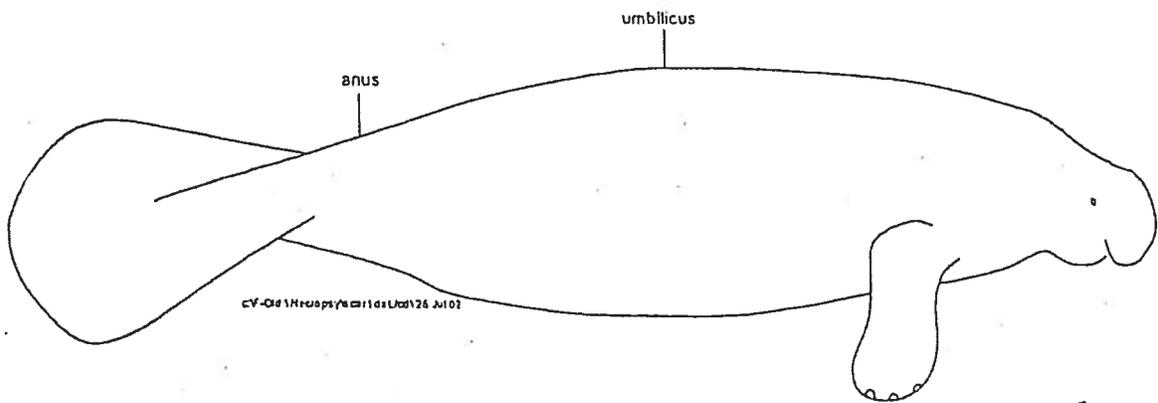
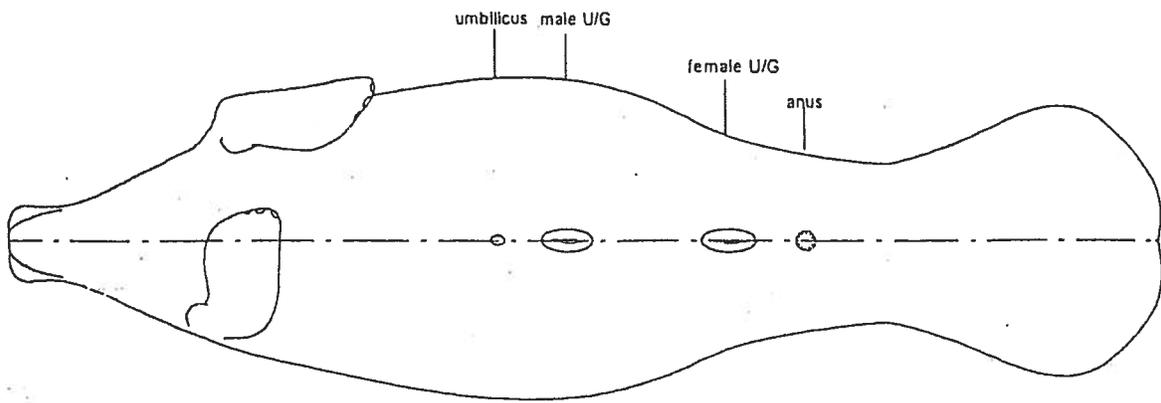
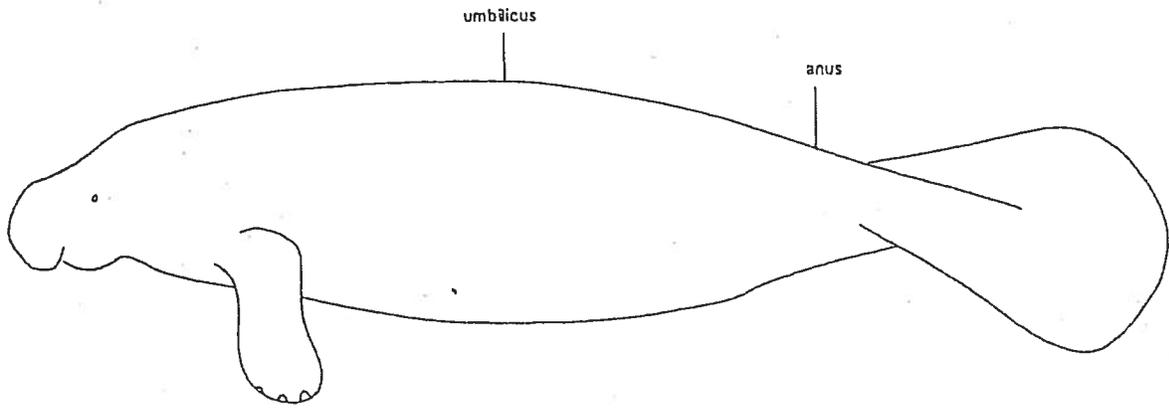
SMW



| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. _____



CV-06 18rcuaps/ncr11 ds/ldd/26 Jul02

Rescue Report

REC1818

GENERAL

| | | |
|---|--|--|
| Date of Rescue: 01 November 2018 | Date of Initial Call: 01 November 2018 | Filed by: S. Wappes |
| Rescue ID: REC1818 | Facility ID: | Other ID: BC456 |
| FWC Case Number: N/A | FWC Region: NE | |
| Sex: Female | Length: 317 cm | Estimated: No |
| | Weight: 645 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00079AEBB6 L: 00079AB00E |
| State: FL | County: Brevard | City: Allenhurst |
| | | Waterway: Mosquito Lagoon |
| Latitude (Decimal Degrees): 28.7055028° N | | Longitude (Decimal Degrees): -080.7208972° W |
| Locality Description: approximately 110 m S of Biolab Boat Ramp | | |
| Method of Capture or Assistance: Land Based: Net Set (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input checked="" type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Entrapment-Human Related

Describe: Manatees stuck in mosquito impoundment; unable to get back through pipe since water levels dropped. Larger female seen getting halfway through pipe and then backing out multiple times.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2018-11-01_FWC025_4717 through 4744; 2018-11-01_ECFL_SMW_0225 | |

HISTORY

| Date | Narrative |
|-------------------------|--|
| 01 November 2018 | <p>At 1021 hrs, FWC biologist-William D. Greer (WDG) received a call from Merritt Island National Wildlife Refuge-Stan regarding two manatees trapped in a mosquito impoundment south of the Biolab boat ramp in the Mosquito Lagoon, Allenhurst, Brevard County. Stan stated that it was a mom-calf pair and that the mom had tried to leave through a pipe multiple times but had only gotten halfway through before backing out. WDG called FWC rescue coordinator-Andrew J. Garrett (AJG) to advise him of the situation. WDG called SeaWorld Orlando-Jon Peterson to ensure that they could accept the manatees in case rehabilitation was needed. WDG, FWC biologist-Sara M. Wappes (SMW), Hubbs biologists-Wendy Noke Durden and Teresa Jablonksi, Brevard Zoo and volunteers met at the Biolab boat ramp at 1305 hrs and arrived at the manatees' location at 1310 hrs. The net was deployed from land and the smaller of the two manatees (RNW1817) was captured in the net at 1328 hrs. The net was deployed again, and the larger manatee (RNW1818) was captured at 1403 hrs. Both manatees were assessed and PIT tagged, then transported to the Biolab boat ramp and were released at 1546 hrs.</p> |

PARTICIPANTS

- FWC ECFL: William D. Greer, Sara M. Wappes
- FWC volunteer: Joe Wolf
- Hubbs SeaWorld: Wendy Noke Durden, Teresa Jablonksi
- Hubbs SeaWorld volunteer: Ashton Adams
- Brevard Zoo: Jim Schmitz, Melissa Fishman
- Merritt Island National Wildlife Refuge staff

Edited by:
 DJS
 GLL
 NJG
 AJG

(Rev 01/20/2017)

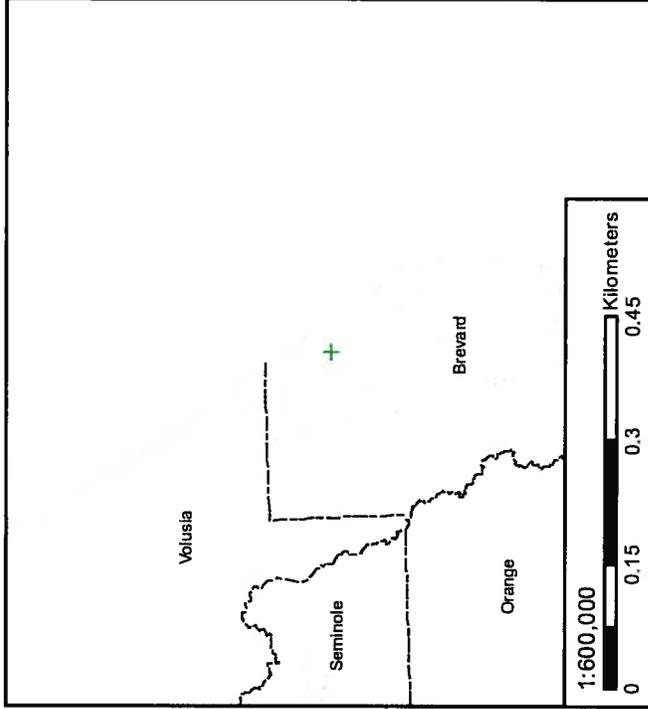
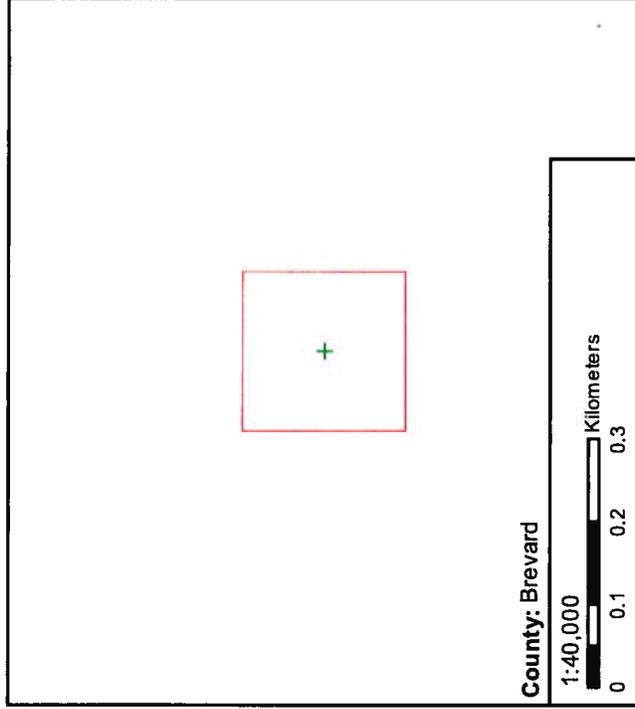


Verified Response Location of Manatee Rescue REC1818

Rescue Date: 11/1/2018

Facility ID: N/A

Map Created 9/15/2020



Locality Description:

approximately 110 m S. of Biolab boat ramp

Latitude: 28.7055°N

Longitude: -80.72088°W

Whitcomb, Tara

From: Garrett, Andy
Sent: Thursday, November 01, 2018 3:14 PM
To: Abby Stone; Wellman, Alicia; Perna, Allison; Amber Lea Kincaid; Amy Teague; Anne Harvey; Arielle Taylor-Manges; Ashley; Barlas, Margie; Bassett, Brandon; Greer, Bill; Boyd, Denise; Barbeau, Brittany; Buddy Powell; Davis, Carol; Knox, Carol; Parrish, Carollyn; Cathy Beck; Deutsch, Chip; Chris Massaro; Chris Plante; Christina Nau; Claire Erlacher-Reid; Cora Berchem; Craig Miller; Craig Pelton; D; Dave Murphy; deWit, Martine; Dwayne Biggs; Frisch, Katherine; Gordon, Nadia; Gretchen Lovewell; Heather Henry; Edwards, Holly; Honaker, Allison; Howell, Amber; Jason Ferrante; Johnson, Jennifer; Jennifer Helseth Johnson; Jessica Schifffhauer; Jim Reid; Jim Valade; Joe Gaspard; Jon Peterson; Parker, Karen; Purcell, Katie; Katie Tripp; Kelly Martin; Kelsey Jennings; Kerri Scolardi; Kimberlee Tennile; Koslovsky, Stacie; Tamborini, Kyanna; Lara Croft ; Laura Eldridge; Lauren Smith; Laurie Adler; Leeann Rottman; Lonati, Gina; Lowry Park Zoo Florida Mammals; Lydia Staggs; Thompson, Margaret; Martz, Meg; Maya; Melody Fischer; Kilborn, Melody; Melynda Brown; Meredith Persky; Merrill, Maria; Mezich, Ron; Michael Boos; Kerr, Michelle; Pasawicz, Michelle; Mike Hurst; Mike Walsh; Molly Lippincott; Monica Ross; Mosier, Andrea; Panike, Anna; Pat Rose; Pernell, Jessica; Ray Ball; Rebecca Hazelkorn; Reinert, Tom; Richmond, Kelly; Robert Rose; Rood, Kari; Ruth Francis-Floyd; Smith, Samantha; Wappes, Sara; Tennant, Sean; Segelson, Carli; Beard, Shelby; Sheri Barton; Stacy Dirocco; Susan Butler; Neel, Susan; Szemer, Donna; Whitcomb, Tara; Teresa Calleson; Virginia Edmonds; Ward, Leslie; Young, Roger; Yousuf Jafarey
Subject: Rescue Alert
Attachments: IMG_20181101_102730929.jpg; IMG_0869.jpeg

Mosquito Lagoon Impoundment (Brevard County):

FWC-ECFL responded to a call this morning of a mom-calf pair entrapped in a mosquito impoundment. The adult female was observed trying to swim through a culvert, but the water level is too low. A capture team (FWC, Hubbs-Sea World, Brevard Zoo, and USFWS Refuge) was organized and captured the manatees.

The adult female was not lactating. The suspected "calf" is 230 cm. Both were relocated and released.



Florida Fish and Wildlife Conservation Commission

West Indian Manatee (*Trichechus manatus*)

(727) 896-862

Manatee ID: RC1813

Capture ID: _____

Data Recorder: WENDY DUBO

Name: BC456

Date: 01 NOV 2018

ID of its Calf / Mom: _____

Sex: M / (F)

TIMES

Initial Pursuit: 1320

Net Set: 1340

Captured (Onboard): 1403

On Beach: 1403

Released: 1546

CAPTURE

Location: MOSAIC IMPROVEMENT

Latitude: 28.7055028 N

Longitude: -080.7208972 W

Water Temp: N/A C F

RELEASE

Location: BIOLOGICAL RESEARCH

Latitude: 28.7066333 N

Longitude: -080.7208417 W

Water Temp: 25.8 C F

EVENT: Capture Rescue Pre-release Assess. Release Post-release Assess

Workup Site: Air Temp = 28.5 C F Wind: 0.8 mph SE Cloud Cover: S PC MC (O) R

| MORPHOMETRICS | Weight: (lb or kg) | Manatee + stretcher | Stretcher weight |
|----------------|--|-------------------------------|---------------------|
| | <u>645 kg (EST)</u> | | |
| Lengths | Total Length (curvilinear) (cm) | <u>341</u> | |
| | Total Length (straight) | <u>317</u> | |
| | Snout to Peduncle | <u>242</u> | |
| | Snout to Anus | <u>215</u> | |
| | Snout to Umbilicus | <u>114</u> | |
| Girths | Girth at Peduncle: <u>actual</u> or 1/2 | Ultrasound Loc: <u>118</u> cm | Belt Loc: <u>in</u> |
| | Girth at Anus: <u>actual</u> or 1/2 | <u>157</u> | |
| | Girth at Umbilicus: <u>actual</u> or 1/2 | <u>231</u> | |
| | Girth at Axilla: <u>actual</u> or 1/2 | <u>187</u> | |

| ULTRASOUND | | Reader Name: | | | |
|------------------------------|---------------|--------------|----------|----------|--|
| Machine Model | Replicate No. | Umbilicus | Anus | Peduncle | |
| Scanoprobe No.: <u>1 / 2</u> | <u>1</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| Other: | <u>2</u> | <u>/</u> | <u>/</u> | <u>/</u> | |
| | <u>3</u> | <u>/</u> | <u>/</u> | <u>/</u> | |

| CONDITION | Body Score: | 1 | 2 | 3 | <u>(4)</u> | 5 |
|---------------------------------|--------------|---|---|------------------------|--------------------------------|---|
| Health Concerns? | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Peanut shaped head? | <u>Y / N</u> | | | | <u>Y / N</u> | |
| Side between anus & peduncle: | | | | <u>Rounded</u> | Flat / Concave | |
| Ventrum: | | | | <u>Rounded</u> | Flat / Concave / Ventral Fold: | |
| Fresh Wounds or Lesions: | | | | <u>Y / N</u> | (If yes, describe in comments) | |
| Person(s) assessing condition: | | | | <u>WILLIAM D GAZER</u> | | |
| Clinical Assessment Data Sheet? | | | | <u>Y / N</u> | | |

| REPROD. STATUS | Pregnant? Y / N | Describe: |
|----------------|-----------------|----------------|
| | | <u>UNKNOWN</u> |
| | Lactating? | <u>Y / N</u> |

| MONITORING | Heartrate: | Stethoscope | EKG | Doppler | <u>(None)</u> | Data Sheets? Y <u>(N)</u> |
|------------|-------------------|-------------|-----------------|---------|---------------|---------------------------|
| | Temperature: | Oral | Naso-pharyngeal | Rectal | <u>(None)</u> | Y <u>(N)</u> |
| | Respiratory Rate? | <u>(Y)</u> | N | | | Y <u>(N)</u> |

| FREEZE BRAND | Letters/Numbers applied: | Applied by: |
|--------------|--------------------------|-------------|
| | | |
| | Location(s): | |

Manatee ID: REC1818

Capture ID

Date: 01 NOV 2

| | | | | |
|--------------------|---|--|-------------------------|----------|
| BLOOD | Collect Blood? <u>Y / N</u> | Start Time | Flipper | # Tubes |
| | Drawn by: | | L / R | |
| | | | L / R | |
| SAMPLES | Milk? <u>Y / N</u> volume: <u> </u> ml | Refrig / Freeze | | |
| | Urine? <u>Y / N</u> | Refrig / Freeze / EtOH | | |
| | Fecal? <u>Y / N</u> | Freeze / EtOH | | |
| | Skin Scraping? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Skin Biopsy? <u>Y / N</u> Location: <u> </u> | Refrig / Freeze / EtOH / DMSO / NBF / Slide | | |
| | Tail Cookie? <u>Y / N</u> Location: <u> </u> | Freeze / <u> </u> / DMSO | | |
| | Mucosal Swab? <u>Y / N</u> Oral / Rectal | Refrig | | |
| | Other? <u>Y / N</u> Tear Film / <u> </u> | Freeze / <u> </u> | | |
| PIT TAG | Scanned for previous PIT tag? <u>(Y) / N</u> | PIT tagged at this capture? <u>(Y) / N</u> | | |
| | PIT tagged by: | <u>FWC - WILLIAM D. GREER</u> | | |
| | Right # | <u>Ø Ø - Ø 7 9 A - E B B 6</u> | | |
| | Left # | <u>Ø Ø - Ø 7 9 A - B Ø Ø E</u> | | |
| TELEMETRY | Tag Type | Argos-GPS / PTT / VHF | | |
| TAG | Tag ID# | | | |
| | Tag / Antenna Color(s) | Tag: <u> </u> Antenna: <u> </u> | | |
| | VHF Frequency | 164. <u> </u> MHz | | |
| | Tag Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz Code: <u> </u> PI: <u> </u> msec | | |
| BELT | ID# / Size / Color | FWC <u> </u> Length: <u> </u> in. Color: <u> </u> | | |
| | Belt Sonic ID: FWC <u> </u> | Freq: <u> </u> kHz Code: <u> </u> PI: <u> </u> msec | | |
| | Belt Knot / Webbing Exposed | Left / Right <u> </u> inches | | |
| | CR2a Programmed Release | <u>Y / N</u> Date/Time: <u> </u> | | |
| LOGGERS | | Tidbit (Temp.) | TDR (Depth) | Salinity |
| | Manufacturer | Onset | | |
| | Logger ID Number | | | |
| | Logger Location | | | |
| TETHER | Strength / Joiner / Length | Strength: <u> </u> hs / tcc | Length: <u> </u> ft. | |
| | Tagged by: | | | |
| PHOTOGRAPHS | Taken by: | <u>SARA M WAPPES</u> | | |
| | Exposures: | <u>2018-11-01-FWC025-4717 THROUGH 4744</u> | | |
| SKETCHES | Sketched by: | <u>SARA M. WAPPES</u> | | |

COMMENTS

ADDITIONAL PHOTO. 2018-11-01-ECFL-SMW-022

ENVIRONMENTAL DATA COLLECTED AT 1550.

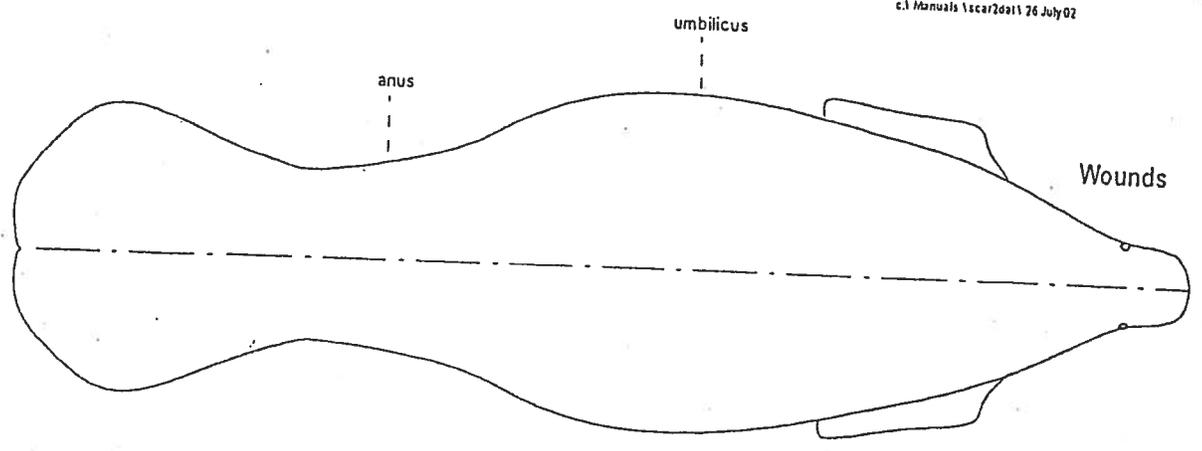
WEIGHT ESTIMATED FROM KANE KILNEY'S FORMULA

WENNY ANNE DURDEN IS A HUBBS BIOLOGIST

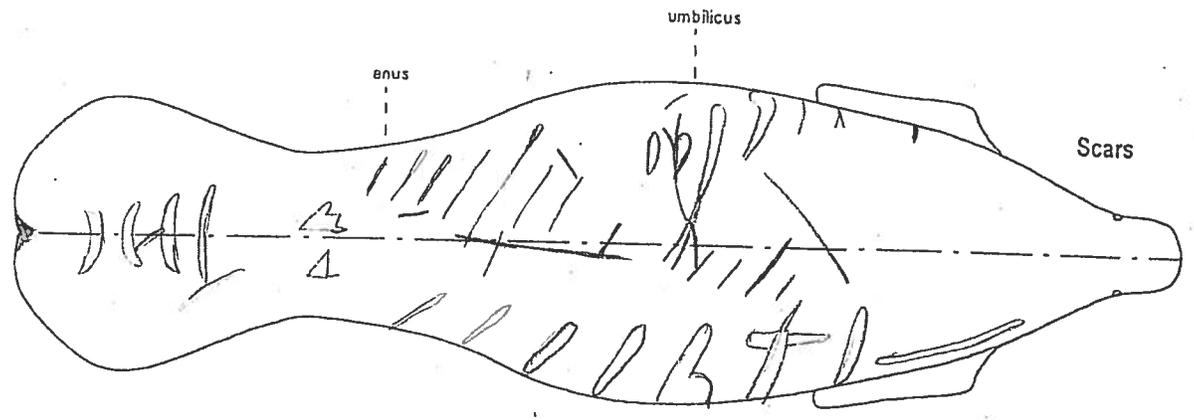
Date 01 NOV 2018

Field I.D. PEC1818.

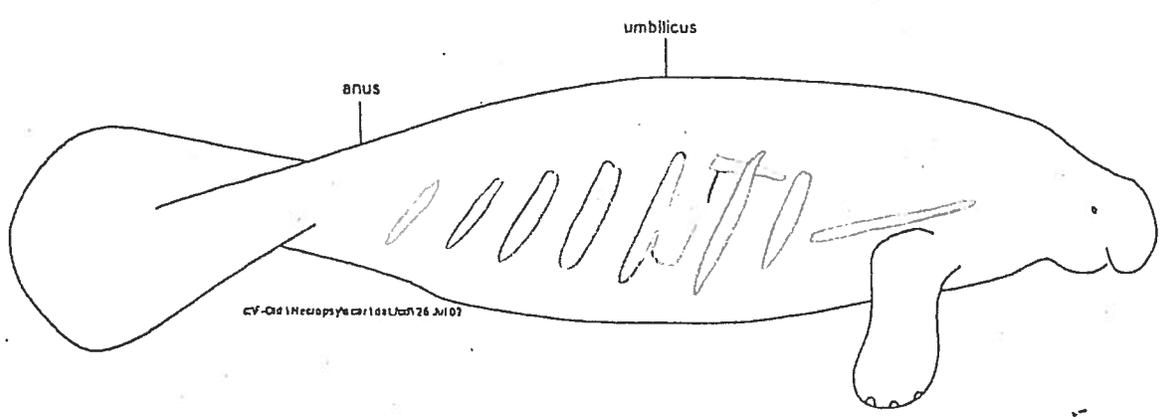
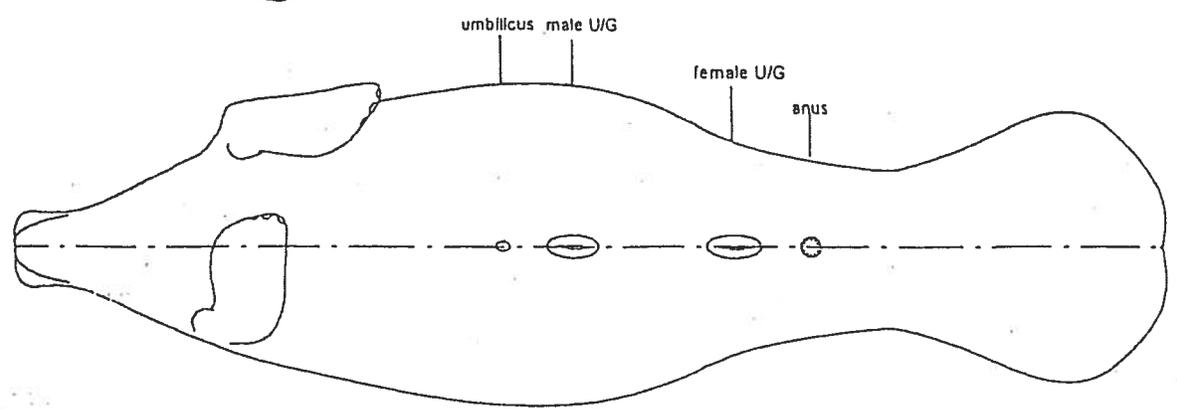
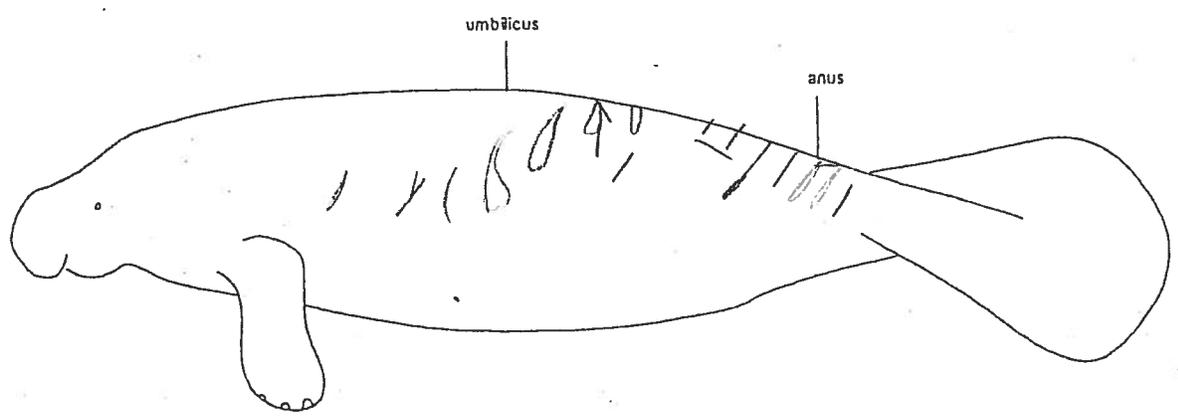
c.1 Manuals Scar2011 26 July 02



| | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Length | | | | | | | | | | | | | | | | | | | | |
| Width | | | | | | | | | | | | | | | | | | | | |
| Depth | | | | | | | | | | | | | | | | | | | | |
| Distance | | | | | | | | | | | | | | | | | | | | |



FIELD I.D. RIC1818



CV-Old Neurophysica 10a Usn 26 Jul 07

rescue / death
12/30/18 2/15/19

Rescue Report

REC1819

GENERAL

| | | | | |
|--|--|---|---------------------------|---------------|
| Date of Rescue: 30 December 2018 | Date of Initial Call: 30 December 2018 | Filed by: W. Greer | | |
| Rescue ID: REC1819 | Facility ID: SWFTm1872b | Other ID: | | |
| FWC Case Number: N/A | FWC Region: NE | | | |
| Sex: Female | Length: 137 cm | Estimated: No | Weight: 39 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Orange City | Waterway: St. Johns River | |
| Latitude (Decimal Degrees): 28.9433611° N | | Longitude (Decimal Degrees): -81.3415333° W | | |
| Locality Description: in Blue Spring, approximately 170 m SE of 2450 W French Avenue | | | | |
| Method of Capture or Assistance: Land Based: Hoop Net (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input checked="" type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

All Other

Describe: Emaciated manatee calf observed attempting to nurse off multiple adults but not staying with any of them.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2018-12-30_FWC025_6383 through 6390; 2018-12-30_FWC037_4507 | |

HISTORY

| Date | Narrative |
|------------------|---|
| 30 December 2018 | At 0915 hrs, FWC biologist-William D. Greer (WDG) received a text from Save the Manatee Club-Cora Berchum (CB) regarding a potentially orphaned calf at Blue Spring State Park (BSSP). At 0921 hrs, CB sent WDG a photo |

confirming an emaciated calf. At 0937 hrs, WDG requested rescue assistance from SeaWorld Orlando-Jon Peterson (JP). At 1210 hrs, WDG and FWC biologist-Sara M. Wappes (SMW) arrived at BSSP and met SeaWorld staff. SMW snorkeled to examine the calf and to encourage the calf toward the canoe beach at BSSP for a land-based net set. The calf was largely unresponsive but appeared to be in a good location for a hoop net rescue attempt. WDG got into a canoe with CB and paddled to the calf's location. At 1245 hrs, WDG and SMW captured the calf using a hoop net and placed the calf into the canoe with CB and CB paddled the canoe and calf to the canoe beach. The calf was then loaded into SeaWorld's rescue truck and transported to their facility.

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes

SeaWorld Orlando: Lorri Braso, Nik Ricci, Candy Furmeister, Lynne Eisenhardt

Save the Manatee Club: Cora Berchum

Edited by:

NJG
GLL
DJS
AJG

(Rev 01/20/2017)

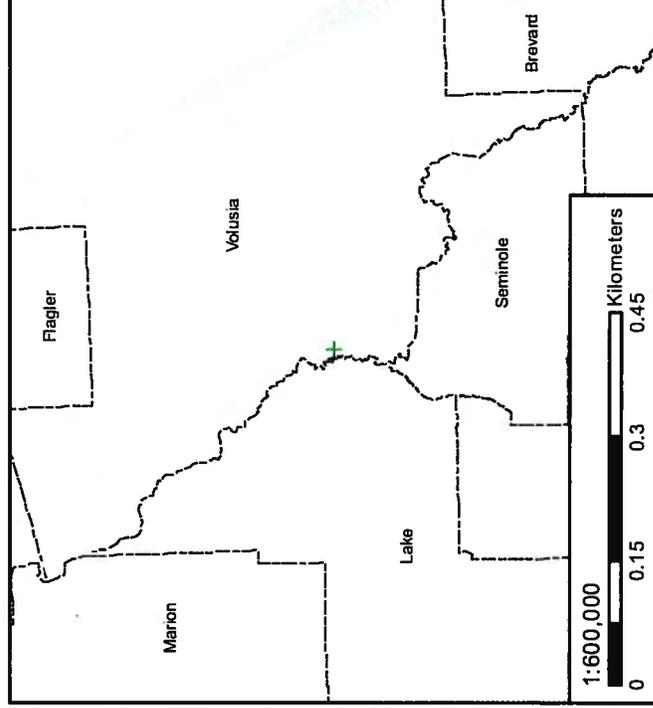
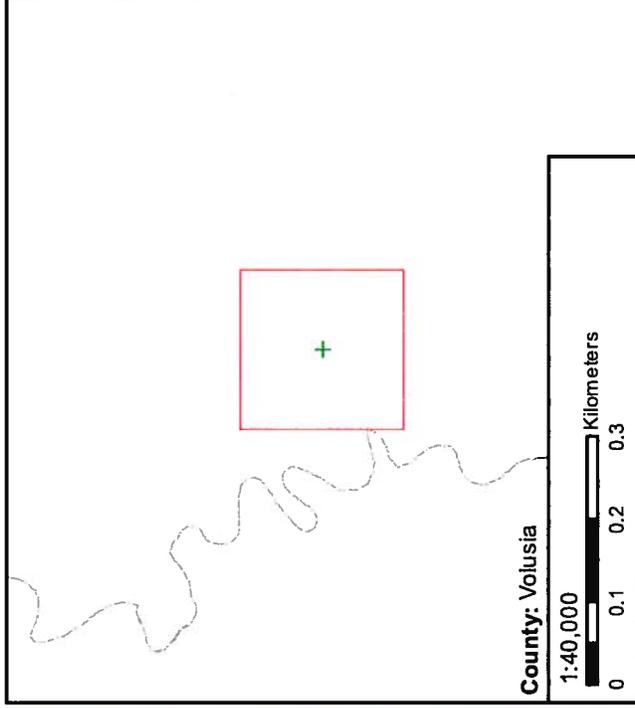


Verified Response Location of Manatee Rescue REC1819

Rescue Date: 12/30/2018

Facility ID: SWFTM1872b

Map Created 9/15/2020



Locality Description:

in Blue Spring, approximately 170 m SE of 2450 W French Avenue

Latitude: 28.94337°N

Longitude: -81.34154°W

Report of a Dead Manatee

Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Marine Mammal Pathobiology Laboratory
3700 54th Avenue South St. Petersburg, FL 33711 (727) 893-2904

Field ID #: **SWFTm1872b**
Date of Report: 2019-Feb-15
Filed By: FWC MMPL

FWC Case # _____ **FWC Region:** NE

Sex: Female **Length:** 140 cm **Weight:** 40.0 kg

DATE REPORTED: 2019-Feb-15 **By:** SeaWorld to MMPL-AJG

DATE COLLECTED: 2019-Feb-16 **By:** MMPL-SMT

DATE NECROPSIED: 2019-Feb-18 **By:** MMPL-SMT, MdW, BLB, BDB, GLL

LOCATION: State: FL **Latitude:** N

County: Volusia **Longitude:** W

Waterway: St. Johns River

Locality description: Orange City, approximately 120 m W of the Thursby House at Blue Spring State Park.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Perinatal (<= 150 cm)

EXPLAIN: Natural: Other; Emaciated; Depleted fat(s); Serous fat(s); Hemorrhagic muscle; Colon severely distended with gas; Fluid-filled GI tract; Mucus in airways; Lung abscesses; Congested mesenteries, urinary bladder-, GI mucosa, parietal pleura, hemidiaphragms.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Cranial, Internal.

MATERIALS COLLECTED:

Genetics, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Perinatal evaluation performed. Rescue report.

REMARKS:

PIT tag scan negative. Died on 15 Feb 2019. Died at 1645 hrs. Died in facility. See rescue report REC1819, rescued 30 December 2018 as a calf by itself.

| | |
|-----------------|--------------|
| Page 1&2 | 03 Sept 2020 |
| Necropsy Report | 03 Sept 2020 |
| Lat/Long | 03 Sept 2020 |

MORPHOMETRICS:

| | | | | | |
|----------------------------|--------|-----------------------------|-------|--------------------------|-------------|
| Total length: | 140 cm | Fluke base: | 41 cm | Girth at axillae: | 69 cm |
| Snout to anus: | 93 cm | Fluke width: | 36 cm | | |
| Snout to U/G: | 86 cm | Girth at fluke base: | 50 cm | | |
| Snout to umbilicus: | 54 cm | Girth at anus: | 60 cm | | |
| Flipper width: | 9 cm | Girth at umbilicus: | 82 cm | Nail count: R: 4 | L: 4 |

| | | | | |
|---------------------------------|----------------|----------------|---------------------------------|--------|
| | Ventral | Lateral | | |
| Skin Thickness: | 0.9 cm | 1.2 cm | | |
| Outer Blubber Thickness: | 0.1 cm | 0.1 cm | Abdominal Fat Thickness: | 0.2 cm |
| Inner Blubber Thickness: | 0.1 cm | 0.1 cm | Epidermis Thickness: | 0.1 cm |

| | | |
|--|---|--------|
| Perinatal: | Ductus Arteriosis Diameter: | 0.5 cm |
| Umbilical arteries closed between the umbilicus and bladder tip, and probe patent and filled with blood clots lateral to the urinary bladder. Urachus closed at bladder tip. | Left Pulmonary Artery Diameter: | 1.2 cm |
| | Right Pulmonary Artery Diameter: | 1.4 cm |

| | | |
|---------------------------------------|---------------------------|-------------------|
| Uterine Scarring Measurements: | | |
| <u>Side</u> | <u>Circumference (cm)</u> | <u>Width (cm)</u> |
| Right | | |
| Right | | |
| Left | | |
| Left | | |

| |
|---------------------------|
| Male Reproductive: |
| |
| |
| |

| |
|-------------------------------|
| Fetus 1: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

| | | |
|----------------------------------|----------------------|--------------|
| Brevetoxin Results: | | |
| <u>Tissue</u> | <u>Concentration</u> | <u>Units</u> |
| Liver | | ng/g |
| Stomach Contents | | ng/g |
| Kidney | | ng/g |
| Lung | | ng/g |
| Urine | | ng/mL |
| Other Brevetoxin Results: | | |

| |
|-------------------------------|
| Fetus 2: Sex: Report?: |
| Length: |
| Weight: |
| Samples Taken: |

Rescue Report

REC1902

GENERAL

| | | | | |
|--|--|---|---------------------------|---------------|
| Date of Rescue: 12 February 2019 | Date of Initial Call: 04 February 2019 | Filed by: W. Greer | | |
| Rescue ID: REC1902 | Facility ID: SWFTm1905b | Other ID: SWFTm1532b, RNE1504, JZGTm1702, Buckeye | | |
| FWC Case Number: N/A | FWC Region: NE | | | |
| Sex: Male | Length: 235 cm | Estimated: No | Weight: 234 kg | Estimated: No |
| PIT Tag Present: Yes | PIT Tag Applied: No | R: 00-075A-5080 | L: 00-075A-4065 | |
| State: FL | County: Volusia | City: Orange City | Waterway: St. Johns River | |
| Latitude (Decimal Degrees): 28.947324° N | | Longitude (Decimal Degrees): -81.339569° W | | |
| Locality Description: Blue Springs Run, approximately 445 m ENE of the French Street Boat Ramp | | | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--------------------------------------|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input checked="" type="checkbox"/> Other: (Specify): <u>Natural, Underweight</u> | |

All Other

Describe: Sea to Shore staff were monitoring this Manatee Rescue and Rehabilitation Partnership (MRP) manatee and observed weight loss and lack of feeding.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-02-12_FWC025_7273 through 7284 | |

HISTORY

| Date | Narrative |
|------------------|---|
| 04 February 2019 | At 1548 hrs, FWC biologist-William Greer (WDG) received an e-mail from Sea to Shore biologist-Monica Ross (MR) regarding "Buckeye", a Manatee Rescue and Rehabilitation Partnership (MRP) manatee in Blue Spring Run, Orange City, Volusia County. MR stated that the manatee appeared to have lost |

| | |
|--------------------|--|
| | <p>a considerable amount of weight since the end of December and he was not moving out to feed as often as other manatees using the same warm water site. MR provided photos and recommended that “Buckeye” should be rescued.</p> |
| 05 February | <p>At 1115 hrs, WDG, MR, FWC rescue coordinator-Andrew Garrett (AJG), SeaWorld Orlando-Jon Peterson, and Lorri Braso had a conference call to discuss rescue options for “Buckeye”. They decided to attempt a rescue the following day.</p> |
| 06 February | <p>The rescue was postponed because “Buckeye” had moved away from the boil area of the run and was staying near a group of about 20 manatees.</p> |
| 08 February | <p>MR conducted an in-water assessment of “Buckeye” and noted a small weight gain but was still concerned about his behavior and overall condition. Since he was resting in a large group of manatees, the rescue was postponed. A rescue was planned for 12 February since a period of warmer weather was predicted over the next few days.</p> |
| 12 February | <p>At 0800 hrs, staff from ECFL, MMPL, SeaWorld Orlando, and Sea to Shore Alliance arrived at the French Landing Boat Ramp in Orange City. At 0934 hrs, “Buckeye” was captured with a boat-based net set. He was loaded onto the SeaWorld rescue boat and taken to the boat ramp for a health assessment. “Buckeye” was examined by SeaWorld veterinarian-Dr. Claire Erlacher, and she advised that he needed to come in for rehabilitation. SeaWorld transported the manatee to their facility.</p> |

PARTICIPANTS

FWC ECFL: William Greer, Sara Wappes, Lucy Bukowski

FWC intern: Lauren Clance

FWC MMPL: Andy Garrett

SeaWorld Orlando: Dr. Claire Erlacher-Reid, Lorri Braso, Nik Ricci, Becca Downey, Lindsey Klaum, Sam Bertolino, Kaiya Tamlyn

Sea to Shore Alliance: Monica Ross, Nicole Bartlett, Amanda Mathieu, Jen Galbraith

Save the Manatee Club: Cora Berchem, Wayne Hartley

Blue Springs State Park: Michael Watkins

Edited by:

NJG

GLL

DJS

AJG

(Rev: 01/20/2017)





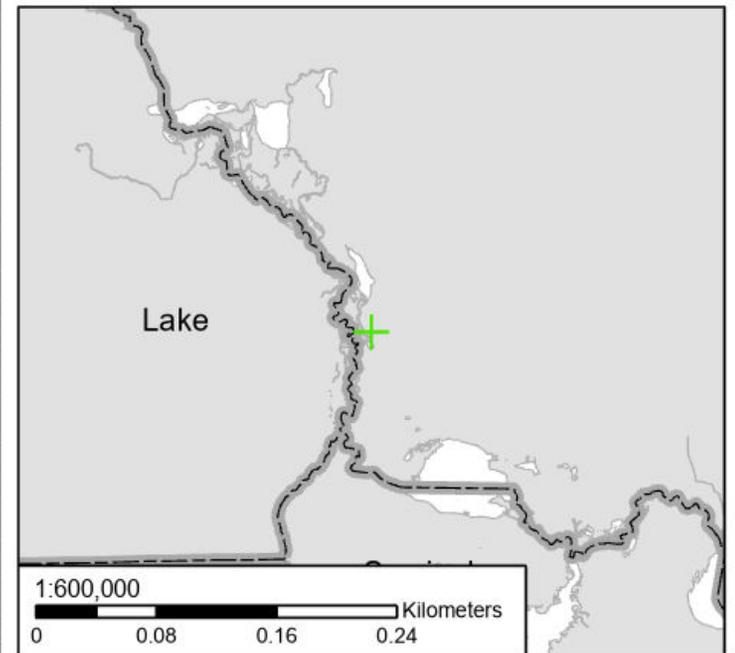
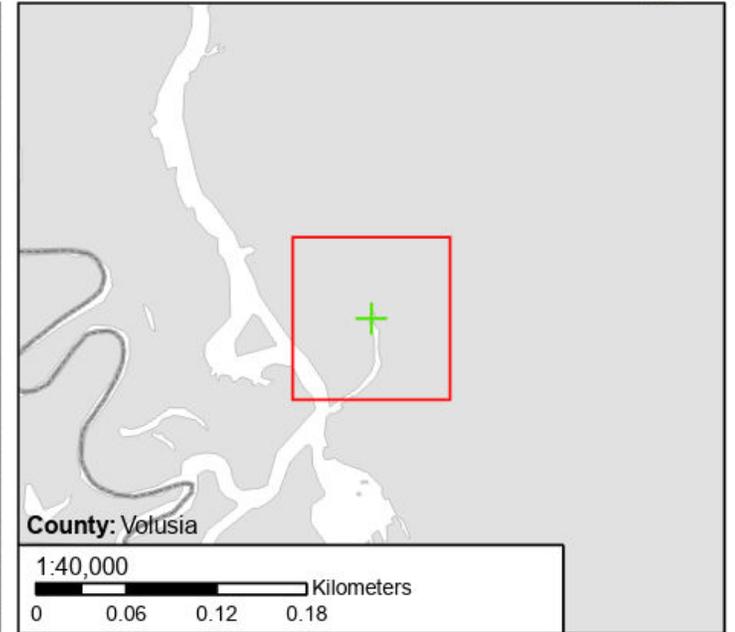
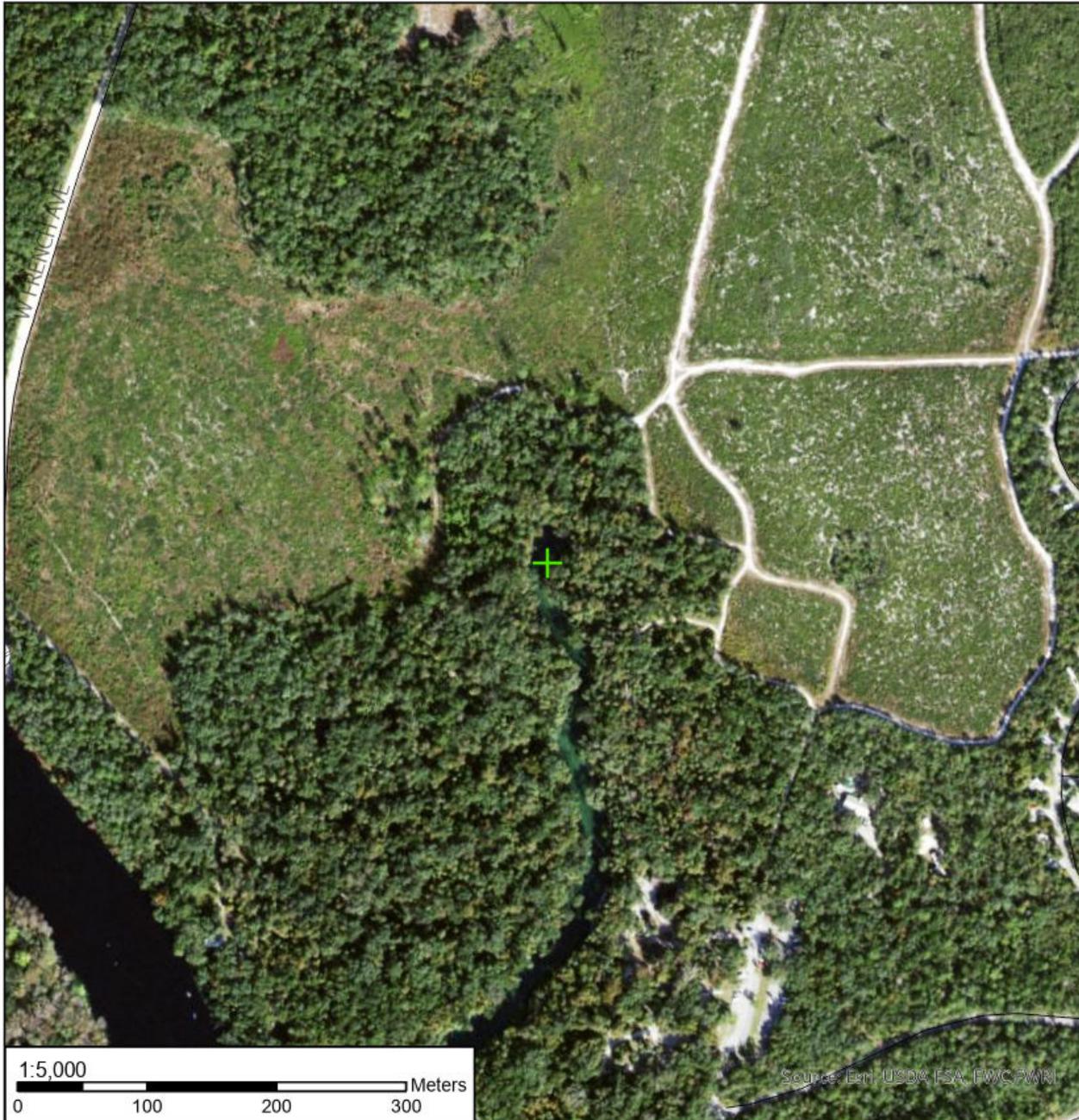


Verified Response Location of Manatee Rescue REC1902

Rescue Date: 2/12/2019

Facility ID: SWFTm1905b

Map Created 10/29/2021



Latitude: 28.947325°N

Longitude: -81.339569°W

Rescue Report

REC1903

GENERAL

| | | | | |
|---|-------------------------------------|--|---------------------------|---------------|
| Date of Rescue: 11 April 2019 | Date of Initial Call: 25 March 2019 | Filed by: S. Wappes | | |
| Rescue ID: REC1903 | Facility ID: SWFTm1911b | Other ID: | | |
| FWC Case Number: 4519, 4559, 5286, 5348, 5360, 5399, 5474, 5493, 5498, 5499, 5500, 5531 | | FWC Region: NE | | |
| Sex: Female | Length: 238 cm | Estimated: No | Weight: 308 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Oak Hill | Waterway: Mosquito Lagoon | |
| Latitude (Decimal Degrees): 28.898395° N | | Longitude (Decimal Degrees): -80.847633° W | | |
| Locality Description: approximately 395 m NE of 296 HH Burch Road | | | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee had a healing linear wound on dorsum and was positively buoyant with its right side high.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-03-25_PUBLIC_3071, 3072; 2019-03-25_ECFL_SMW_0388; 2019-04-02_PUBLIC_0030 through 0032; 2019-04-07_FWC025_8592 through 8607; 2019-04-11_FWC025_8608 through 8628 | |

HISTORY

| Date | Narrative |
|----------------------|---|
| 25 March 2019 | <p>At 1005 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Sykes Creek, Merritt Island, Brevard County. FWC case number 4519 was assigned. The complainant, Luanne Labinski (414-719-3565), stated that the manatee could not submerge but was floating level in the water. At 1013 hrs, SMW received photos from the complainant showing an excessively buoyant manatee. SMW and FWC intern-Lauren R. Clance (LRC) arrived at the complainant's house at 1130 hrs, located the manatee at 1217 hrs and confirmed it needed to be rescued. FWC biologists-William D. Greer (WDG) and Lucy R. Bukowski (LRB) arrived at Kiwanis Island Park boat ramp at 1330 hrs, and a rescue team from SeaWorld Orlando arrived at the boat ramp at 1400 hrs. The capture boat was launched, and multiple boat-based net sets were made, but the animal evaded capture. The rescue effort was called off at 1645 hrs. At 1734 hrs, WDG received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 4559 was assigned. The complainant, Bob Carr (321-429-3141), stated that the manatee had a large scar and was floating high in the water. Due to the location, description, and time, WDG determined it was the same manatee and advised the complainant to call in the morning if it was still in the area.</p> |
| 02 April | <p>At 1025 hrs, WDG received a call from Florida Power and Light-Jennifer Pickett regarding an injured manatee in the intake canal of the Cape Canaveral Clean Energy Center in the Indian River, Cocoa, Brevard County. At 1039 hrs, WDG received photos from the complainant verifying that it was positively buoyant and the same animal from March 25th. LRC arrived at the manatee's location at 1200 hrs to monitor it. At 1225 hrs, LRC advised WDG that the animal had moved out of the intake canal and due to high winds, the rescue was called off.</p> |
| 07 April | <p>At 0901 hrs, SMW received a text alert from Dispatch regarding an injured manatee in the Mosquito Lagoon, Oak Hill, Volusia County. FWC case number 5286 was assigned. The complainant, Melissa (850-699-7701), stated that the manatee's entire back and tail were out of the water, and it was floating right side high. At 0912 hrs, SMW received photos from the complainant verifying a positively buoyant manatee. At 0927 hrs, SMW requested FWC LE assistance to monitor the manatee, but no officers were available. SMW and FWC volunteer-Peter Jepeal (PJ) arrived at Lopez RV Park at 1125 hrs, launched a boat, located the manatee at 1206 hrs, and verified that it was the same animal from previous rescue attempts. The rescue team from SeaWorld arrived at the Riverbreeze Park boat ramp at 1350 hrs, arrived at the manatee's location at 1450 hrs, and called off the rescue attempt at 1610 hrs due to high winds, multiple manatees in the area, and some loss of steering control on their boat.</p> |

08 April

At 0810 hrs, WDG received a text alert from Dispatch regarding an injured manatee in Indian River North, Oak Hill. FWC case number 5348 was assigned. The complainant, Wright Harris (401-301-4735), stated that the manatee never attempted to submerge and was floating with most of its back out of the water. Due to the location and description, WDG determined it was the same manatee. WDG contacted Volusia County Marine Mammal Stranding biologist-Ashley Ambert (AA), who agreed to search for the animal by boat. At 1041 hrs, SMW received a text alert from Dispatch regarding an injured manatee in the Indian River North, Oak Hill. FWC case number 5360 was assigned. The complainant, David Lockhart (386-689-5452), stated that the injured manatee from the previous day had been seen at 0700 hrs swimming north. AA was already on the water searching for the animal but called off the search at 1200 hrs, because weather predictions were bad for the afternoon. At 1951 hrs, FWC on-call biologist-Denise M. Boyd (DMB) received a text alert from Dispatch regarding an injured manatee in the Indian River North, Oak Hill. FWC case number 5399 was assigned. The complainant, Suzette (407-718-8818), stated that there was an 8 to 9-foot manatee that was unable to submerge and had a wide, superficial, pink and white injury. Based on the location and the description, DMB determined it was the animal that ECFL had been trying to capture. DMB advised the complainant to call back in the morning if the animal was still in the area.

10 April

At 1229 hrs, WDG received a text alert from Dispatch regarding an injured manatee in the Indian River North, Oak Hill. FWC case number 5474 was assigned. The complainant, Teresa Meyers (386-345-2195), stated that the manatee appeared to be hunched over and in distress. WDG and SMW arrived at the manatee's location at 1250 hrs and determined it was the same animal that ECFL had been monitoring. WDG contacted SeaWorld-Jon Peterson (JP), and a rescue was coordinated for the following day. Over the course of the day, WDG, SMW, and DMB received multiple reports from Dispatch regarding this animal. FWC case numbers 5493, 5498, 5499, and 5500 were assigned. All complainants were advised of the pending rescue and were asked to call back in the morning if they saw the animal.

11 April

WDG, SMW, LRB, and PJ arrived at Riverbreeze Park boat ramp at 0945 hrs and launched a boat at 0955 hrs. At 1020 hrs, the animal was located, and multiple hoop net captures were attempted. At 1027 hrs, SMW received a text alert from Dispatch regarding an injured manatee in the Indian River North, Oak Hill. FWC case number 5531 was assigned. The complainant, Teresa Meyers (386-345-2195), stated that she had relocated the injured manatee from the previous day. SMW advised the complainant that ECFL staff were with the manatee and rescue was being attempted. At 1120 hrs, WDG determined a hoop net rescue was not possible and contacted JP who stated that the SeaWorld rescue boat was under repair and could not be used for rescue. At 1130 hrs, WDG contacted FWC NEFL-Nadia J. Gordon (NJG) who agreed to bring a rescue boat and NEFL and Jacksonville Zoo and Gardens personnel. At

1352 hrs, NJG and crew arrived at Riverbreeze Park and launched the rescue boat. The team arrived at the manatee's location at 1415 hrs, and, after two failed sets, the animal was captured with a boat based net set at 1513 hrs. The animal was transported to Riverbreeze Park at 1528 hrs, where it was loaded into the ECFL transport truck. WDG and SMW transported the manatee to SeaWorld, arriving at 1700 hrs.

PARTICIPANTS

FWC ECFL: William Greer, Sara Wappes, Lucy Bukowski
FWC ECFL volunteer: Peter Jepeal
FWC NEFL: Nadia Gordon
FWC NEFL intern: Ashlen Ward
Jacksonville Zoo and Gardens: Ashley Nelson, Maria Watson
Volusia County Stranding: Ashley Ambert, Jamie Reneker

Edited by:

NJG
GLL
DJS
AJG

(Rev: 03/18/2019)

PHOTOS:



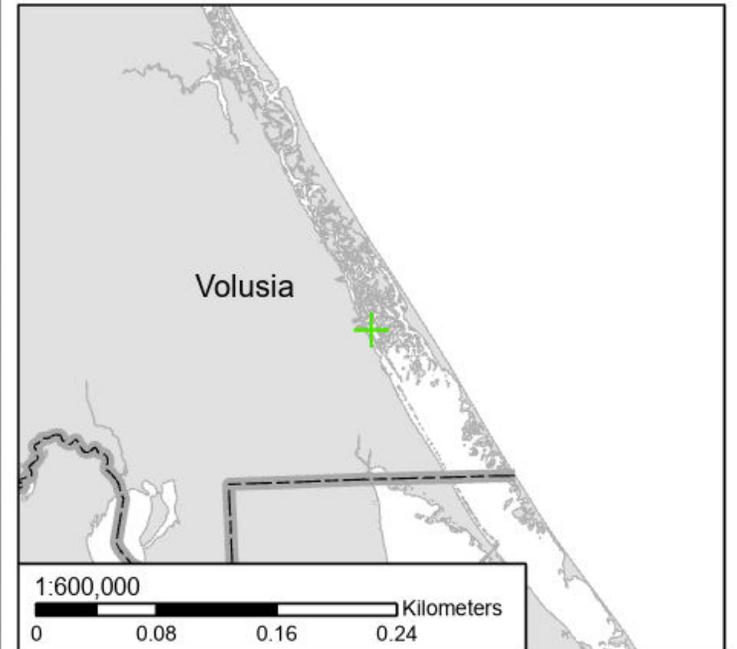
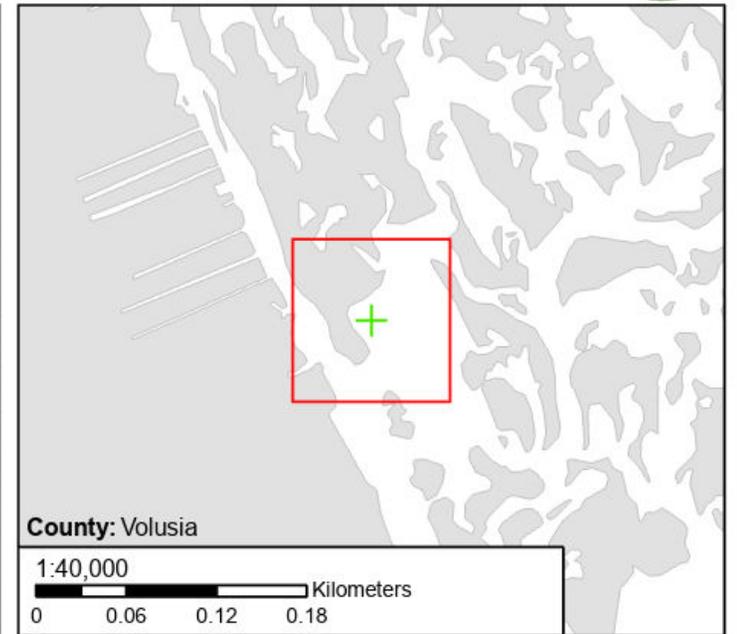


Verified Response Location of Manatee Rescue REC1903

Rescue Date: 4/11/2019

Facility ID: REC1903

Map Created 10/29/2021



Latitude: 28.898396°N

Longitude: -80.847633°W

Rescue Report

REC1904

GENERAL

| | | | | |
|---|-----------------------------------|--|------------------------------|---------------|
| Date of Rescue: 22 May 2019 | Date of Initial Call: 19 May 2019 | Filed by: W. Greer | | |
| Rescue ID: REC1904 | Facility ID: SWFTm1914b | Other ID: | | |
| FWC Case Number: 8211 | FWC Region: NE | | | |
| Sex: Male | Length: 201 cm | Estimated: No | Weight: 152 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Edgewater | Waterway: Indian River North | |
| Latitude (Decimal Degrees): 28.933862° N | | Longitude (Decimal Degrees): -80.866859° W | | |
| Locality Description: approximately 120 m ENE of 287 Club Rio Drive | | | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Orphan | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee was positively buoyant, with its right side high, and was unable to submerge for more than 20 seconds. There was a healing watercraft-related wound series on the right dorsum, which consisted of one wound (wound #1) that was roughly perpendicular to four parallel linear wounds (wounds #2-5). Wounds #1, 3 and 4 penetrated the dermis slightly and had pink granulation tissue in the centers. The outer layer of epidermis was missing around the caudal aspect of wound #1.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|-------------------------------------|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |

Rescue Report

REC1904

| | |
|-----------------------|---|
| Photographs file name | 2019-05-19_PUBLIC_2763, 2765; 2019-05-22_FWC025_8902 through 8915; 2019-05-22_FWC040_10046, 20046 |
|-----------------------|---|

HISTORY

| Date | Narrative |
|-------------|---|
| 19 May 2019 | At 1423 hrs, FWC biologist-Sara M. Wappes (SWM) received a direct call from a citizen regarding an injured manatee in Mosquito Lagoon, New Smyrna Beach, Volusia County. The complainant, Phillip (407-832-6444), stated that the manatee was floating with its right side high and had a fresh watercraft wound on its back. At 1427 hrs, SMW received photos from the complainant showing an excessively buoyant manatee. Due to the time of day, a rescue was not possible, and SMW advised the complainant to call back in the morning if he observed the animal. |
| 22 May | At 0943 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Indian River North, Edgewater, Volusia County. FWC case number 8211 was assigned. The complainant, Christa Brinkley (386-427-3966), stated that the manatee was floating on its side, had white watercraft wounds on its back, and was unable to submerge. No photos were available at the time. At 0957 hrs, WDG contacted FWC biologist-Allison C. Perna (ACP), who agreed to bring a rescue boat. At 1006 hrs, WDG contacted Volusia County Marine Mammal Stranding biologist-Ashley Ambert, who agreed to assemble a rescue crew. At 1042 hrs, FWC biologist-Lucy R. Bukowski (LRB) arrived at the manatee's location and determined it was the same animal that had been reported earlier in the week. At 1308 hrs, ACP, WDG and crew arrived at Boston Whaler, Inc. boat ramp and launched the rescue boat. The team arrived at the manatee's location at 1314 hrs. After two failed attempts, the manatee was captured with a boat based net set at 1346 hrs. The manatee was transported to the boat ramp at 1351 hrs and loaded into the ECFL transport truck. WDG, LRB, and FWC volunteer-Jim Schmitz transported the manatee to SeaWorld Orlando, arriving at 1605 hrs. |

PARTICIPANTS

FWC ECFL: William Greer, Sara Wappes, Lucy Bukowski

FWC ECFL volunteers: Samantha Spurgeon, Jim Schmitz

FWC NEFL: Allison Perna

Volusia County Marine Mammal Stranding: Ashley Ambert, Debbie Wingfield, Trey Hannah

Edited by:

NJG
GLL
DJS
AJG

(Rev: 01/20/2017)

PHOTOS



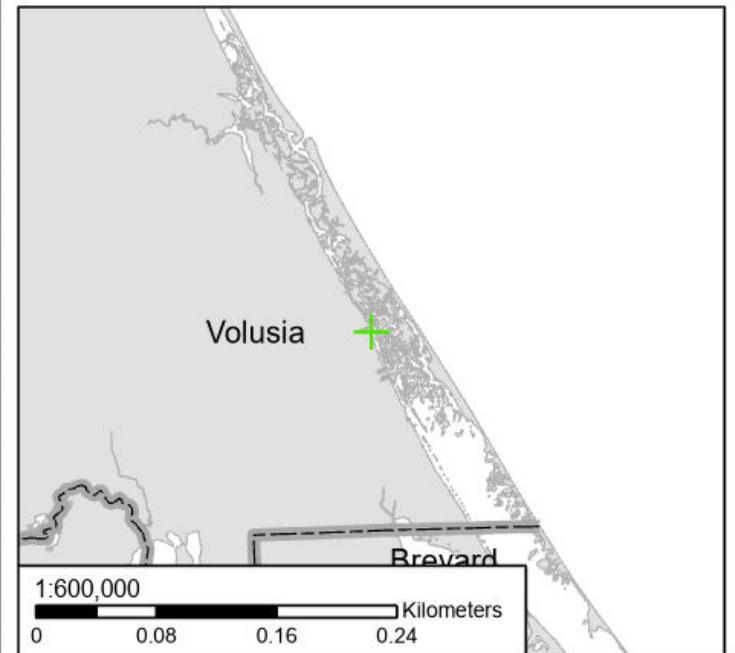
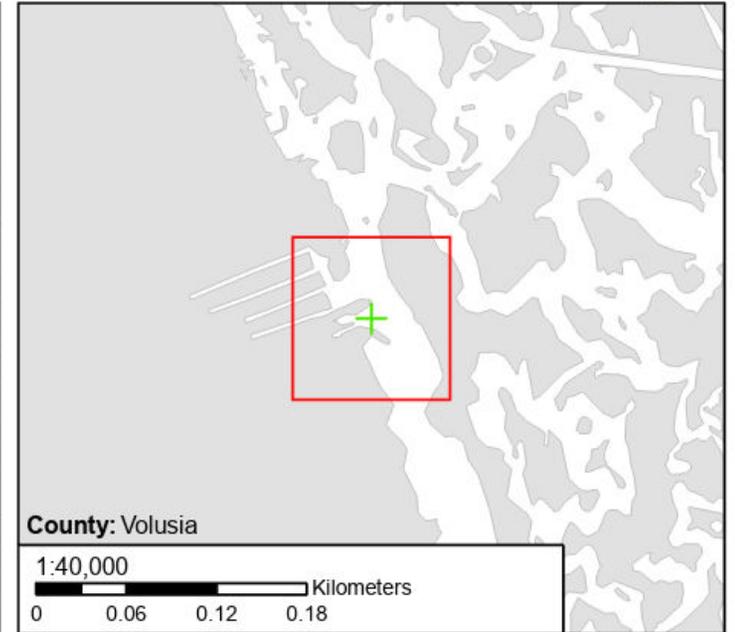


Verified Response Location of Manatee Rescue REC1904

Rescue Date: 5/22/2019

Facility ID: SWFTm1914b

Map Created 10/29/2021



Latitude: 28.933863°N

Longitude: -80.866859°W

Rescue Report

REC1905

GENERAL

| | | | | |
|---|------------------------------------|--|------------------------|---------------|
| Date of Rescue: 15 July 2019 | Date of Initial Call: 15 July 2019 | Filed by: S. Wappes | | |
| Rescue ID: REC1905 | Facility ID: SWFTm1916b | Other ID: | | |
| FWC Case Number: 12116 | FWC Region: NE | | | |
| Sex: Male | Length: 263 cm | Estimated: No | Weight: 269 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Melbourne Beach | Waterway: Indian River | |
| Latitude (Decimal Degrees): 27.925233° N | | Longitude (Decimal Degrees): -80.499633° W | | |
| Locality Description: approximately 390 m SW of 401 Beverly Court | | | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee had an external wound series consisting of two linear superficial wounds across the body and 3 parallel superficial propeller wounds perpendicular to the linear wounds. The manatee was positively buoyant on right side.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-07-15_FWC025_9084 through 9095; 2019-07-15_PUBLIC_ECFL_123_1; 2019-07-15_ECFL_SMW_0650; 2019-07-15_FWC041_0084 | |

HISTORY

| Date | Narrative |
|--------------|--|
| 15 July 2019 | <p>At 0951 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in the Indian River in Melbourne Beach, Brevard County. FWC case number 12116 was assigned. The complainant, Dina Ruoli (321-507-6058), described a small adult manatee with a white scar that was not submerging. At 1117 hrs, SMW received verification photos, videos, and an updated location from the complainant. Since SMW was in Titusville recovering a carcass (MEC19070), SMW requested FWC LE assistance to stay with the animal until a rescue team arrived, but no officers were available. SMW notified co-workers and partners, and after collecting the carcass arrived at Honest John’s Fish Camp at 1310 hrs, launched a kayak, and located the injured manatee at 1324 hrs. FWC biologist-Lucy R. Bukowski, FWC intern-Mary Buford Turnage and the rescue crew from SeaWorld Orlando arrived at Christenson’s Landing boat ramp at 1400 hrs and the rescue crew from SEFL arrived with the rescue boat at 1430 hrs. The rescue boat was launched at 1454 hrs and arrived at the manatee’s location at 1512 hrs. The manatee was captured on the first boat-based net set, brought on board at 1536 hrs, and transported to Christenson’s Landing boat ramp. The manatee was loaded into the SeaWorld Orlando transport truck at 1616 hrs and transported to SeaWorld.</p> |

PARTICIPANTS

- FWC ECFL: Sara Wappes, Lucy Bukowski
- FWC ECFL Intern: Mary Buford Turnage
- FWC SEFL: Amber Howell, Sam Smith
- FWC SEFL Intern: Lorenn Taylor
- FWC Fisheries: Sarah Webb
- SeaWorld Orlando: Nik Ricci, Jenn Parnell, Louise Manhl

Edited by:

- NJG
- DJS
- AJG

(Rev: 06/11/2019)

PHOTOS



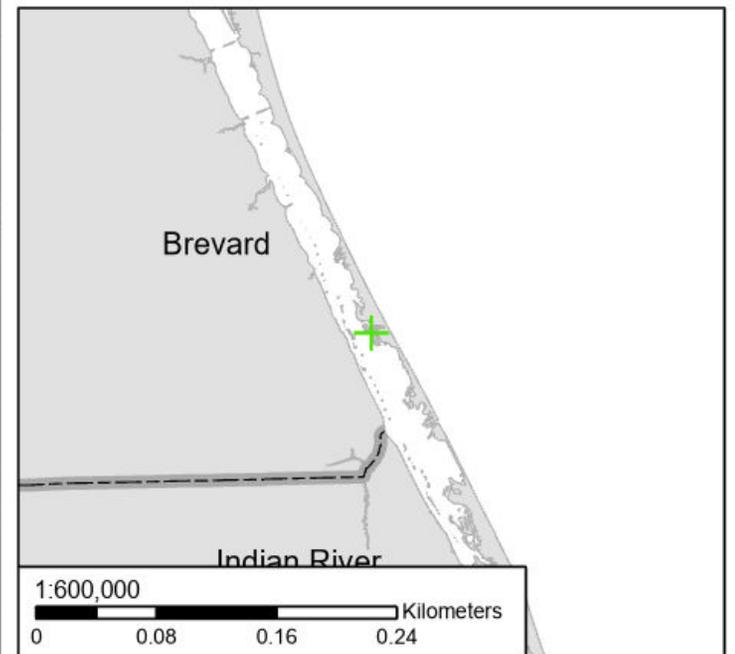
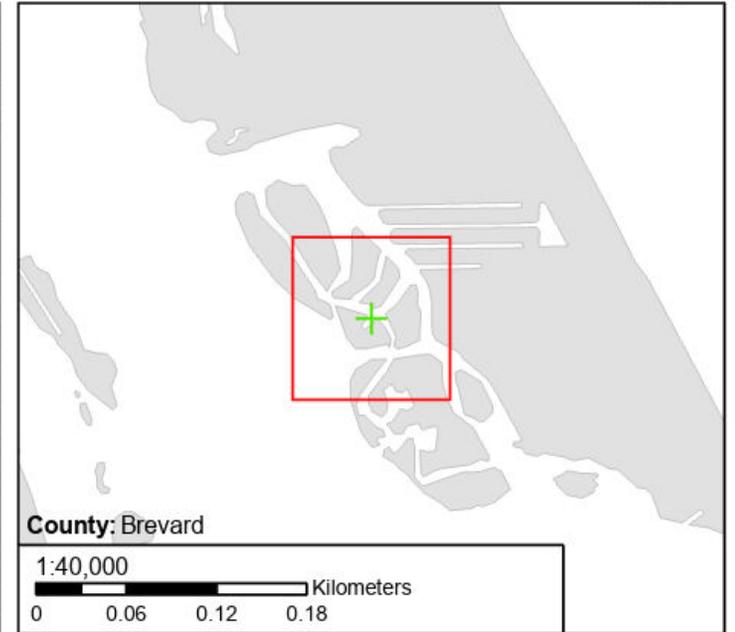


Verified Response Location of Manatee Rescue REC1905

Rescue Date: 7/15/2019

Facility ID: SWFTm1916b

Map Created 10/29/2021



Latitude: 27.925234°N

Longitude: -80.499634°W

Rescue Report

REC1906

GENERAL

| | | | | |
|--|---------------------------------------|--|-----------------------|---------------|
| Date of Rescue: 14 October 2019 | Date of Initial Call: 11 October 2019 | Filed by: S. Wappes | | |
| Rescue ID: REC1906 | Facility ID: SWFTm1919b | Other ID: | | |
| FWC Case Number: 17846, 17885, 17901, 17941, 18033, 18053 | FWC Region: NE | | | |
| Sex: Male | Length: 170 cm | Estimated: No | Weight: 118 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Merritt Island | Waterway: Sykes Creek | |
| Latitude (Decimal Degrees): 28.406785° N | | Longitude (Decimal Degrees): -80.693489° W | | |
| Locality Description: approximately 320 m NE of 2596 Sykes Creek Drive | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input checked="" type="checkbox"/> Other: (Specify): Calf of Rescued Mother | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The manatee was a dependent calf of a watercraft injured mother (REC1907/SWFTm1920b).

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-10-11_PUBLIC_ECFL_01 through 03; 2019-10-14_FWC023_7871 through 7903. | |

HISTORY

| Date | Narrative |
|-----------------|--|
| 11 October 2019 | At 1700 hrs, on-call FWC biologist-Nadia J. Gordon (NJG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Sykes Creek, |

Merritt Island, Brevard County. FWC case number 17846 was assigned. The complainant, Susan Swain (301-646-1530), stated the manatee was floating high in the water, had a calf with it, and was breathing normally. NJG received photo confirmation at 1720 hrs, and advised the complainant to call back if the animal was sighted in the morning, then forwarded the information to ECFL at 1727 hrs.

12 October

At 1112 hrs, FWC biologist-Lucy R. Bukowski (LRB) received a text alert from Dispatch regarding a dead manatee in Sykes Creek, Merritt Island. FWC case number 17885 was assigned. The complainant, Ms. Quigg (321-480-5747), stated the manatee had been in her canal for a day and she had not observed it breathing. LRB received photo confirmation at 1123 hrs and requested FWC LE assistance. LRB arrived on site at 1255 hrs and boarded an FWC LE vessel. When the manatee was approached, it became very active and LRB determined it was the same animal that was called in the night before. LRB observed that the manatee was caudally buoyant, breathing normally, in good body condition, and had a calf with it. LRB conferred with FWC biologist-William D. Greer (WDG) and FWC rescue coordinator-Andy J. Garrett (AJG) and they decided to monitor the animal to see if the issue resolved on its own. At 1510 hrs, LRB received a text alert from Dispatch regarding the same manatee. FWC case number 17901 was assigned. LRB informed the complainant, Scott Billue (407-230-1010), that the FWC was monitoring the situation.

13 October

At 0839 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 17941 was assigned. The complainant, Tim Adams (386-479-5001), stated that the manatee was floating level, high in the water, and had a well-healed scar on its back. Based on location and animal description, SMW determined it was the same animal as the previous day. After conferring with WDG and AJG, they decided to continue monitoring the manatee

14 October

At 0833 hrs, SMW received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 18033 was assigned. The complainant, John Berard (407-509-4962), stated the manatee was bloated and floating high in the water. At 0849 hrs, SMW received video confirmation that it was the same animal that ECFL had been monitoring. SMW forwarded the information to AJG and SeaWorld Orlando rescue and vet staff, who deemed rescue was appropriate. At 1124 hrs, WDG received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 18053 was assigned. The complainant, Sharon O'Brien (321-452-4878), stated the manatee was floating high in the water and headed slowly north toward the 528 bridge. WDG and SMW arrived at Cape Crossing Resort and Marina and launched the ECFL Key West at 1308 hrs, and the manatee was located at 1319 hrs. At 1500 hrs, SeaWorld staff arrived at the manatee's location and WDG and SMW boarded the SeaWorld rescue boat. At

1515 hrs, the injured manatee's calf (REC1906) was captured on the first boat based net set, while the target animal evaded capture. At 1535 hrs, the injured manatee (REC1907) was captured in a boat based net set, after one additional failed net set. Both manatees were taken to Kiwanis Island boat ramp and were loaded into the ECFL transport truck. At 1805 hrs, WDG and SWF rescue staff arrived at SeaWorld where both manatees were unloaded and transferred to a medical pool.

PARTICIPANTS

FWC ECFL: Bill Greer, Sara Wappes

SeaWorld Orlando: Dr. Stacy DiRocco, Brant Gabriel, Lorri Braso, Candy Moore-Fuhrmeister, Jenn Parnell, Lindsay Klaum, Mike Schaber

Edited by:

NJG
DJS
AJG

(Rev: 06/11/2019)

PHOTOS



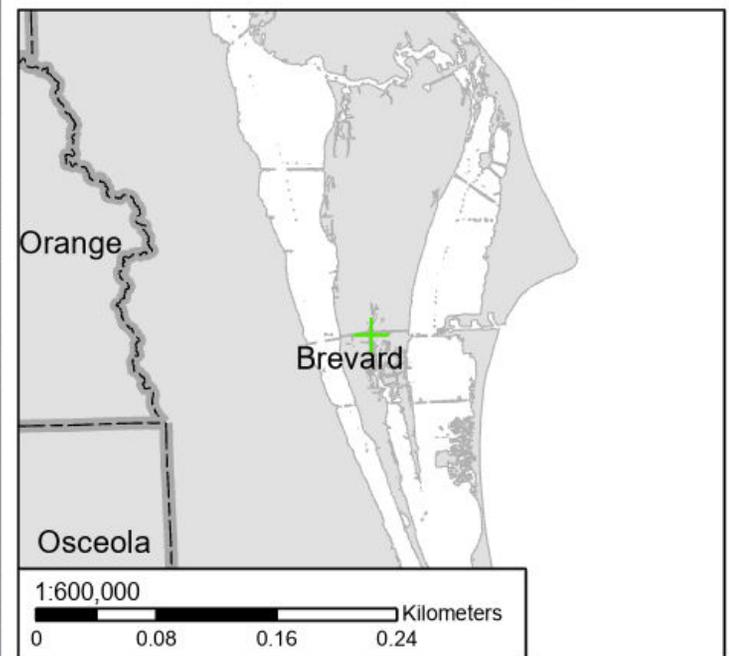
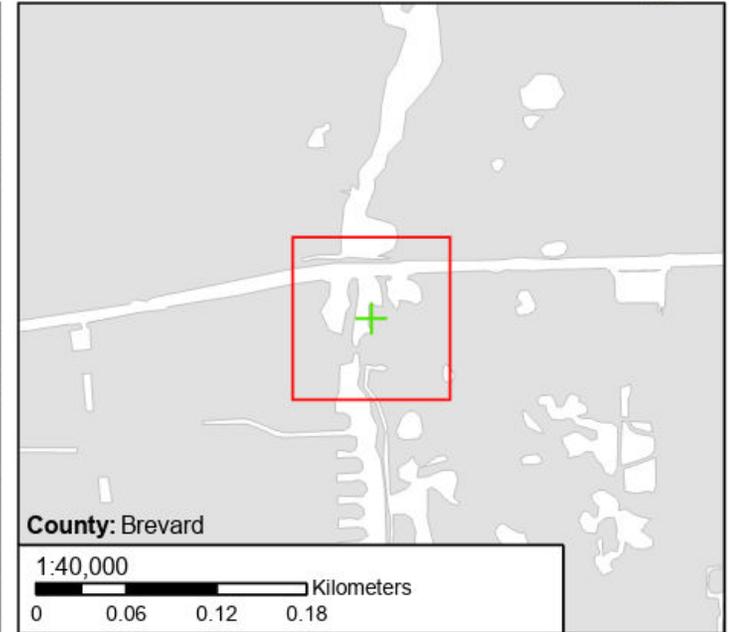


Verified Response Location of Manatee Rescue REC1906

Rescue Date: 10/14/2019

Facility ID: SWFTm1919b

Map Created 10/29/2021



Latitude: 28.406786°N

Longitude: -80.693489°W

Rescue Report

REC1907

GENERAL

| | | | | |
|--|---------------------------------------|--|-----------------------|---------------|
| Date of Rescue: 14 October 2019 | Date of Initial Call: 11 October 2019 | Filed by: S. Wappes | | |
| Rescue ID: REC1907 | Facility ID: SWFTm1920b | Other ID: | | |
| FWC Case Number: 17846, 17885, 17901, 17941, 18033, 18053 | FWC Region: NE | | | |
| Sex: Female | Length: 308 cm | Estimated: No | Weight: 632 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: Florida | County: Brevard | City: Merritt Island | Waterway: Sykes Creek | |
| Latitude (Decimal Degrees): 28.407682° N | | Longitude (Decimal Degrees): -80.693565° W | | |
| Locality Description: approximately 395 m NE of 2596 Sykes Creek Drive | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input checked="" type="checkbox"/> Other: (Specify): <u>Positively Buoyant</u> | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The manatee was positively buoyant in the caudal end and was unable to submerge for longer than 30 seconds. (Mom of mom/calf pair)

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-10-11_PUBLIC_ECFL_01 through 03; 2019-10-14_FWC023_7871 through 7903. | |

HISTORY

| Date | Narrative |
|-----------------|--|
| 11 October 2019 | At 1700 hrs, on-call FWC biologist-Nadia J. Gordon (NJG) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Sykes Creek, |

Merritt Island, Brevard County. FWC case number 17846 was assigned. The complainant, Susan Swain (301-646-1530), stated the manatee was floating high in the water, had a calf with it, and was breathing normally. NJG received photo confirmation at 1720 hrs, and advised the complainant to call back if the animal was sighted in the morning, then forwarded the information to ECFL at 1727 hrs.

12 October

At 1112 hrs, FWC biologist-Lucy R. Bukowski (LRB) received a text alert from Dispatch regarding a dead manatee in Sykes Creek, Merritt Island. FWC case number 17885 was assigned. The complainant, Ms. Quigg (321-480-5747), stated the manatee had been in her canal for a day and she had not observed it breathing. LRB received photo confirmation at 1123 hrs and requested FWC LE assistance. LRB arrived on site at 1255 hrs and boarded an FWC LE vessel. When the manatee was approached, it became very active and LRB determined it was the same animal that was called in the night before. LRB observed that the manatee was caudally buoyant, breathing normally, in good body condition, and had a calf with it. LRB conferred with FWC biologist-William D. Greer (WDG) and FWC rescue coordinator-Andy J. Garrett (AJG) and they decided to monitor the animal to see if the issue resolved on its own. At 1510 hrs, LRB received a text alert from Dispatch regarding the same manatee. FWC case number 17901 was assigned. LRB informed the complainant, Scott Billue (407-230-1010), that the FWC was monitoring the situation.

13 October

At 0839 hrs, FWC biologist-Sara M. Wappes (SMW) received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 17941 was assigned. The complainant, Tim Adams (386-479-5001), stated that the manatee was floating level, high in the water, and had a well-healed scar on its back. Based on location and animal description, SMW determined it was the same animal as the previous day. After conferring with WDG and AJG, they decided to continue monitoring the manatee

14 October

At 0833 hrs, SMW received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 18033 was assigned. The complainant, John Berard (407-509-4962), stated the manatee was bloated and floating high in the water. At 0849 hrs, SMW received video confirmation that it was the same animal that ECFL had been monitoring. SMW forwarded the information to AJG and SeaWorld Orlando rescue and vet staff, who deemed rescue was appropriate. At 1124 hrs, WDG received a text alert from Dispatch regarding an injured manatee in Sykes Creek, Merritt Island. FWC case number 18053 was assigned. The complainant, Sharon O'Brien (321-452-4878), stated the manatee was floating high in the water and headed slowly north toward the 528 bridge. WDG and SMW arrived at Cape Crossing Resort and Marina and launched the ECFL Key West at 1308 hrs, and the manatee was located at 1319 hrs. At 1500 hrs, SeaWorld staff arrived at the manatee's location and WDG and SMW boarded the SeaWorld rescue boat. At

1515 hrs, the injured manatee's calf (REC1906) was captured on the first boat based net set, while the target animal evaded capture. At 1535 hrs, the injured manatee (REC1907) was captured in a boat based net set, after one additional failed net set. Both manatees were taken to Kiwanis Island boat ramp and were loaded into the ECFL transport truck. At 1805 hrs, WDG and SWF rescue staff arrived at SeaWorld where both manatees were unloaded and transferred to a medical pool.

PARTICIPANTS

FWC ECFL: Bill Greer, Sara Wappes

SeaWorld Orlando: Dr. Stacy DiRocco, Brant Gabriel, Lorri Braso, Candy Moore-Fuhrmeister, Jenn Parnell, Lindsay Klaum, Mike Schaber

Edited by:

NJG
DJS
AJG

(Rev: 06/11/2019)

PHOTOS



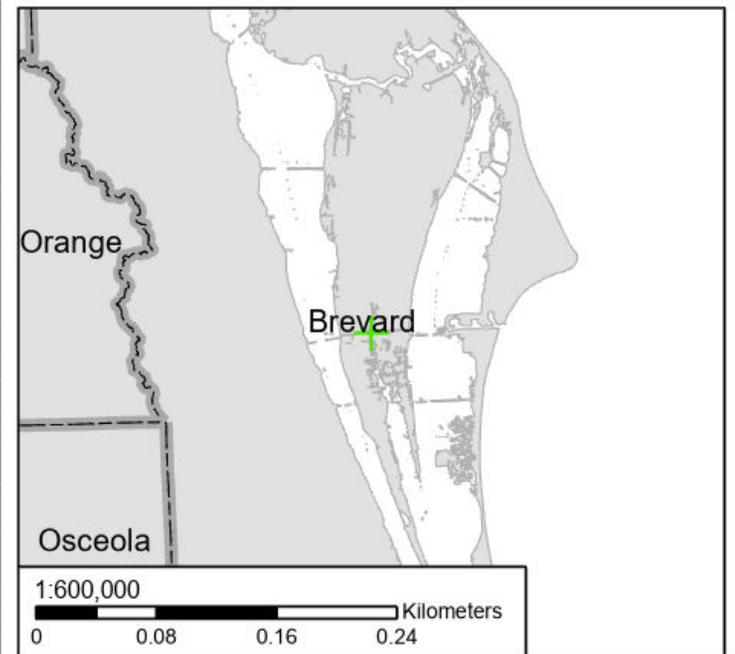
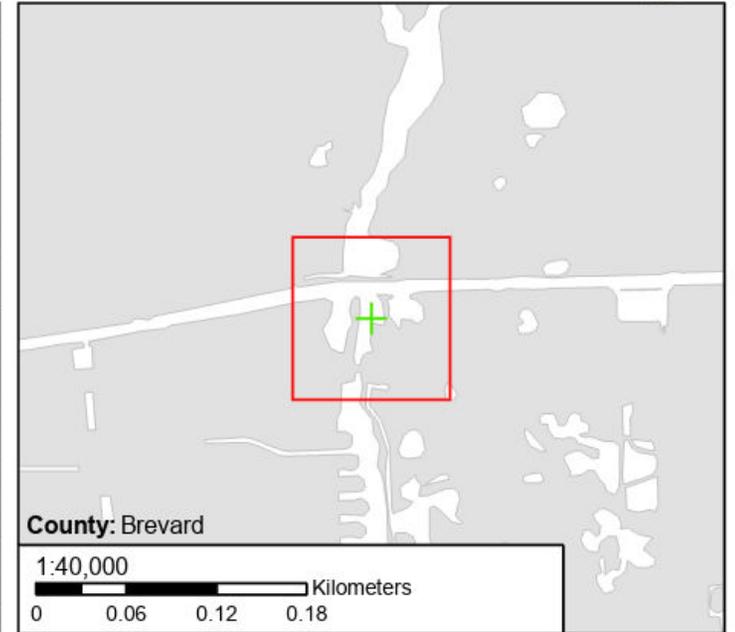


Verified Response Location of Manatee Rescue REC1907

Rescue Date: 10/14/2019

Facility ID: SWFTm1920b

Map Created 10/29/2021



Latitude: 28.407682°N

Longitude: -80.693565°W

Rescue Report

REC1908

GENERAL

| | | | | |
|--|---------------------------------------|--|---------------------------|----------------|
| Date of Rescue: 18 October 2019 | Date of Initial Call: 18 October 2019 | Filed by: L. Bukowski | | |
| Rescue ID: REC1908 | Facility ID: SWFTm1921b | Other ID: | | |
| FWC Case Number: 18310 | FWC Region: NE | | | |
| Sex: Male | Length: 244 cm | Estimated: No | Weight: 285 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-079A-8BF9 | L: 00-079B-00E4 | |
| State: FL | County: Volusia | City: Canaveral National Seashore | Waterway: Mosquito Lagoon | |
| Latitude (Decimal Degrees): 28.806383° N | | Longitude (Decimal Degrees): -80.752075° W | | |
| Locality Description: Approximately 3.95 km NE of WSEG Boat Ramp | | | | |
| Method of Capture or Assistance: Land Based: Stretcher | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|--|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input checked="" type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The manatee was stranded in a pond of shallow water on a remote island with no obvious entrance or exit points.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|--------------------------|
| Rescue Location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-10-18_FWC023_8019 through 8032; 2019-10-18_ECFL_WDG_01 through 03 | |

HISTORY

| Date | Narrative |
|-----------------|---|
| 18 October 2019 | At 1048 hrs, FWC biologist-William D. Greer (WDG) received a text alert from FWC NE Dispatch-Orlando regarding a stranded manatee in Mosquito |

Lagoon, Canaveral National Seashore, Volusia County. FWC case number 18310 was assigned. The complainant, Nick (386-279-9613), stated there was a 12-foot manatee stuck in shallow water on a remote island, with no obvious exit or entrance points. The complainant provided coordinates but was unable to send photo confirmation. WDG requested FWC LE assistance for verification but no officers were available. Based on the nature of the call and the remote location of the manatee, WDG contacted FWC rescue coordinator-Andy J. Garrett (AJG) and the participating rescue organizations began to assemble. At 1415 hrs, FWC staff and volunteers, Volusia County Marine Mammal Stranding Team, and SeaWorld Orlando staff arrived at Beacon 42 boat ramp and launched the ECFL rescue boat. The manatee was located at 1530 hrs, guided onto a stretcher, and carried to the rescue boat. The manatee was determined to be in good body condition, was PIT tagged, photographed and transported to Beacon 42 boat ramp, where morphometric measurements were taken. The animal was released off the back of the rescue boat at the boat ramp at 1715 hrs.

PARTICIPANTS

FWC ECFL: Bill Greer, Lucy Bukowski

FWC Volunteers: April Geer, Jim Schmitz

SeaWorld Orlando: Brant Gabriel, Candy Moore-Fuhrmeister, Lindsay Klaum

Volusia County Marine Mammal Stranding: Debbie Wright,

Volusia County Marine Mammal Stranding Volunteers: Chad Murch, Brittney Hoyt

Edited by:

NJG
DJS
AJG

(Rev: 06/11/2019)

PHOTOS



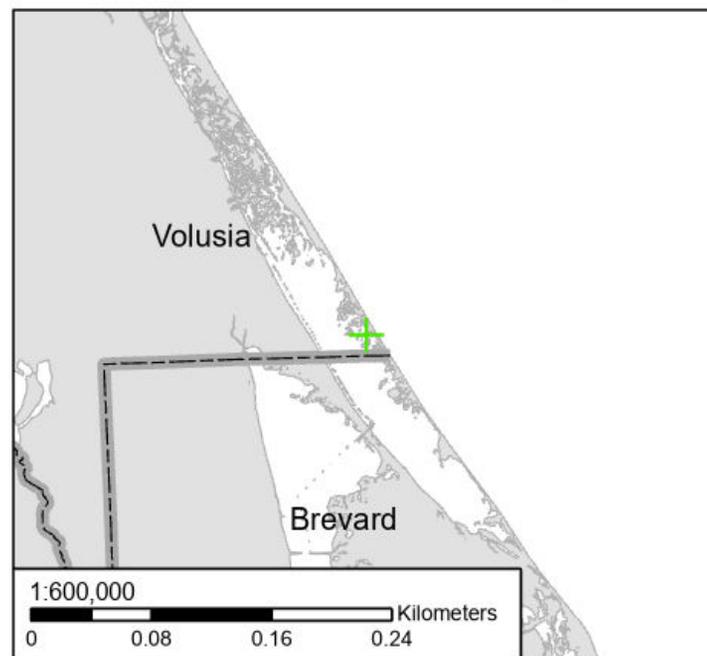
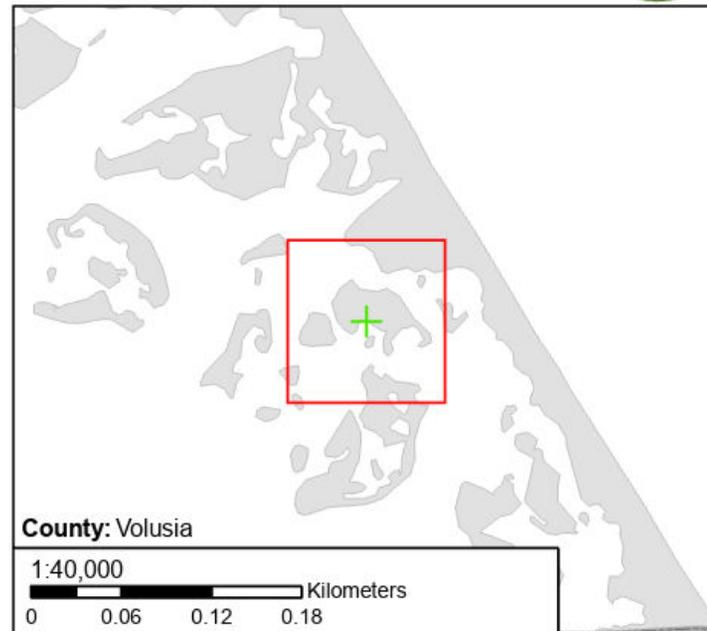


Verified Response Location of Manatee Rescue REC1908

Rescue Date: 10/18/2019

Facility ID: SWFTm1921b

Map Created 10/29/2021



Latitude: 28.806383°N

Longitude: -80.752075°W

Rescue Report

REC1909

GENERAL

| | | | | |
|---|---------------------------------------|--|------------------------------|----------------|
| Date of Rescue: 21 October 2019 | Date of Initial Call: 20 October 2019 | Filed by: A. Burns, N. Gordon | | |
| Rescue ID: REC1909 | Facility ID: JZGTm1904 | Other ID: | | |
| FWC Case Number: 18434, 18445, 18452, 18457, 18462, 18467 | FWC Region: NE | | | |
| Sex: Male | Length: 266 cm | Estimated: No | Weight: 300 kg | Estimated: Yes |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Edgewater | Waterway: Indian River North | |
| Latitude (Decimal Degrees): 28.977247° N | | Longitude (Decimal Degrees): -80.890296° W | | |
| Locality Description: 380 m E of 106 Carlson Cove | | | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Watercraft

Check all that apply:

| | | |
|---|--|--------------------------------|
| <input type="checkbox"/> Penetrating Cuts | <input checked="" type="checkbox"/> Impact | <input type="checkbox"/> Other |
|---|--|--------------------------------|

Describe: The manatee had a superficial, linear, fresh wound across the lower dorsum and was floating right side high.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|---|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-10-20_PUBLIC_file1-62, 2-1, 3-26, 118; 2019-10-21_NEFL_NJG_file-111; 2019-10-21_FWC_VOL_file1-40, 2-40; 2019-10-21_FWC040_GH010051, G4026051 | |

HISTORY

| Date | Narrative |
|-----------------|--|
| 20 October 2019 | <p>At 1008 hrs, FWC biologist-Allison C. Burns (ACB) received a text alert from FWC NE Dispatch-Orlando regarding a manatee that could not submerge in Indian River North, New Smyrna Beach, Volusia County. FWC case number 18434 was assigned. The complainant, Sherman Clark (407-222-8988), reported that he had originally seen the manatee the day before, 19 October, near 101 North Riverside Drive and was now observing it in an inlet on the west side of the river between markers 20 and 21 with its back out of the water, breathing every five minutes, swimming slowly, but avoiding boats. At 1135 hrs, Sherman sent photos verifying a positively buoyant manatee with a white linear wound on its lower dorsum. ACB contacted Volusia County Marine Mammal Stranding Team (VCMMST) member-Debbie Wright (DW) and Ponce Inlet Water Sports tour boat operator-Danielle Weigel, who was available and said she would search the area for the manatee. At 1202 hrs, Sherman contacted ACB to inform her he had lost sight of the manatee, but it was last seen heading south towards the Flagler Ave drawbridge. At 1310 hrs, ACB received another text alert from Dispatch regarding the same manatee in Indian River North near channel marker 34. FWC case number 18445 was assigned. The complainant, Cassie Robertson (407-341-2026), said the manatee had a fresh white mark on its back and was floating, mostly using its flippers to move. He did not have photos but ACB sent him a photo from the earlier complainant and he verified that it looked like the same mark. At 1323 hrs, ACB updated DW with the manatee's location so she could let Danielle know. At 1437 hrs, ACB received another text alert from Dispatch regarding the same manatee in Indian River North, near 111 North Riverside Drive. FWC case number 18452 was assigned. The complainant, Mike (321-508-2116), said the manatee was unable to submerge but its head came up every couple of minutes to take a breath. At 1443 hrs, Danielle called ACB saying she had found the manatee in a canal at 101 North Riverside Drive. She described it as right side high with a foot and a half-long mark on its lower mid-section and taking eight breaths in five minutes. At 1444 hrs, Mike sent short video clips and photos of the manatee on its side and stated there was a boater doing observations near it (Danielle). Danielle sent close up photos and a video to ACB at 1454 hrs and said there were people on a sailboat near the canal that agreed to keep their eyes on it as long as it was in the area and notify her if it left the canal. At 1500 hrs, NJG received a text from a citizen, Sharon Dockery (407-247-7835), showing a manatee sideways in the water. NJG asked for her location and stated several reports had been received and a rescue was being organized for the following day. At 1503 hrs, ACB received a call from Dispatch, Sharon who was again reporting the injured manatee. FWC case number 18457 was assigned. At 1600 hrs, Danielle called ACB to notify her that the sail boaters had called to let her know the manatee was moving east towards Chicken Island. At 1607 hrs, ACB received another text alert from Dispatch regarding the same manatee in Indian</p> |

River North near channel marker 39. FWC case numbers 18462 was assigned. The complainant, Daniel (407-712-3934), sent photos and video of the manatee and ACB let him know that a rescue was planned for the next day. At 1658 hrs, ACB received another text alert regarding the same manatee in Indian River North. FWC case number 18467 was assigned. The complainant, Bob Gatchel (407-797-9851), said the manatee couldn't submerge and had a white line on its back. ACB contacted DW and verified she would go out first thing the next day to search by boat for the manatee.

21 October

At 0912 hrs, DW notified ACB that she was on water and searching with VCMMST member-Trey Hannah (TH). NJG contacted FWC biologist-Bill Greer (WDG) for staff rescue assistance. At 1051 hrs, the manatee was found in the canal at 101 North Riverside Drive but was heading south. DW stayed with it as it crossed over into Edgewater. The rescue teams met at the boat ramp at 1335 hrs, launched the NEFL rescue boat at 1353 hrs, and met DW and TH who were with the manatee. The net was set at 1420 hrs and the manatee was on board at 1425 hrs. It was transported to the boat ramp, loaded into the rescue truck, and transported to the Jacksonville Zoo and Gardens, arriving at 1725 hrs. The manatee expired at 1824 hrs.

PARTICIPANTS

FWC NEFL: Nadia Gordon, Allison Burns

FWC ECFL: Bill Greer, Sara Wappes

FWC Volunteer: Debbie LaForce, Jenny Saxby

Volusia County Marine Mammal Stranding Team: Debbie Wright, Trey Hannah

Jacksonville Zoo and Gardens: Rodney Young

Edited by:

NJG
DJS
AJG

(Rev: 06/11/2019)

PHOTOS



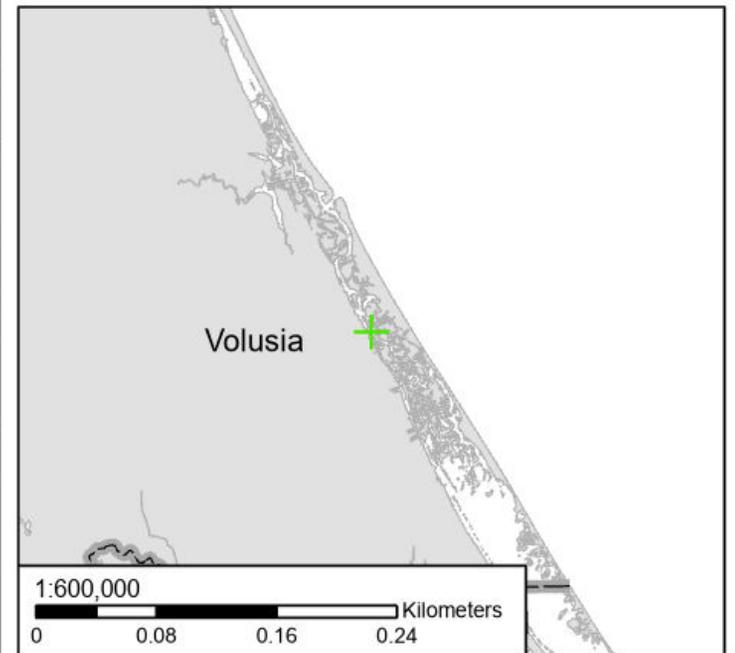
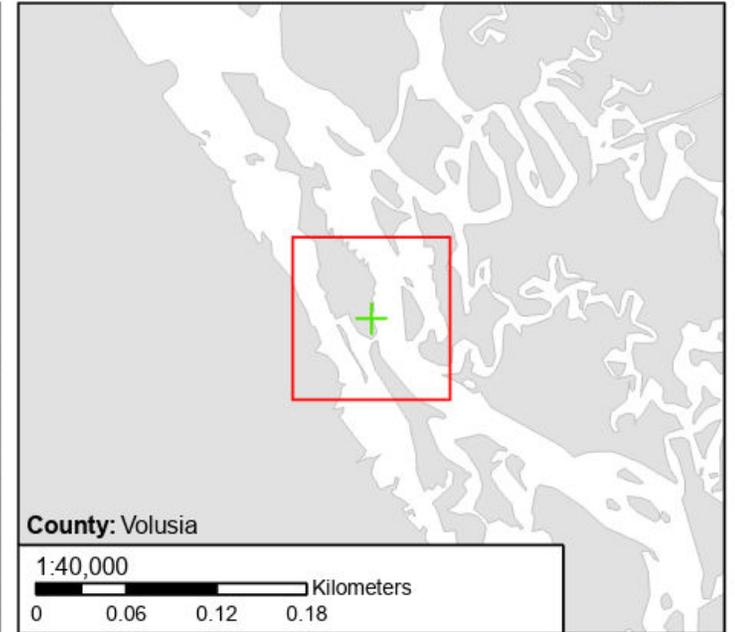


Verified Response Location of Manatee Rescue REC1909

Rescue Date: 10/21/2019

Facility ID: JZGTm1904

Map Created 10/29/2021



Latitude: 28.977247°N

Longitude: -80.890297°W

Rescue Report

REC1911

GENERAL

| | | | | |
|---|--|--|------------------------------|---------------|
| Date of Rescue: 21 December 2019 | Date of Initial Call: 21 December 2019 | Filed by: S. Wappes | | |
| Rescue ID: REC1911 | Facility ID: SWFTm1932b | Other ID: | | |
| FWC Case Number: 22059 | FWC Region: NE | | | |
| Sex: Male | Length: 273 cm | Estimated: No | Weight: 325 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Edgewater | Waterway: Indian River North | |
| Latitude (Decimal Degrees): 28.984682° N | | Longitude (Decimal Degrees): -80.898185° W | | |
| Locality Description: approximately 50 m NE of 1001 S Riverside Drive | | | | |
| Method of Capture or Assistance: Land Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input checked="" type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The manatee was partially beached in shallow water, was unresponsive when approached or touched, and appeared thin. (Secondary findings: defecation of foreign material while at rehabilitation facility.)

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2019-12-21_FWC023_8481 through 8483; 2019-12-21_PUBLIC_ECFL_01 through 06. | |

HISTORY

| Date | Narrative |
|------------------|--|
| 21 December 2019 | <p>At 1036 hrs, FWC biologist-Sara Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding a possibly distressed manatee in the Indian River North, Edgewater, Volusia County. FWC case number 22059 was assigned. The complainant, Chuck Luther (386-785-4479), stated that the adult manatee was half beached in 1.5-2 feet of water with no other manatees around. At 1045 hrs, SMW received a verification photo and requested assistance from Volusia County Marine Mammal Stranding Team (VCMMST) to further verify the manatee’s condition. VCMMST arrived at the manatee’s location at 1119 hrs, and at 1145 hrs reported that the manatee was unresponsive when approached. The remaining rescue team arrived at the manatee’s location at 1420 hrs. A net was walked around the manatee at 1445 hrs, the manatee was brought on shore at 1500 hrs, and placed in SeaWorld Orlando’s transport truck at 1512 hrs. SeaWorld Orlando transported the manatee to SeaWorld, arriving by 1700 hrs.</p> |

PARTICIPANTS

FWC ECFL: Sara Wappes

FWC ECFL Volunteers: Joe Wolf, Jim Schmitz, Jay Bolin, Danielle Weigel

SeaWorld Orlando: Becca Downey, Lindsay Klaum

Volusia County Marine Mammal Stranding Team: Debbie Wright, Chad Murch, Christie Miller

Save the Manatee Club: Cora Berchem

Edited by:

NJG
BDB
AJG

(Rev: 06/11/2019)

PHOTOS





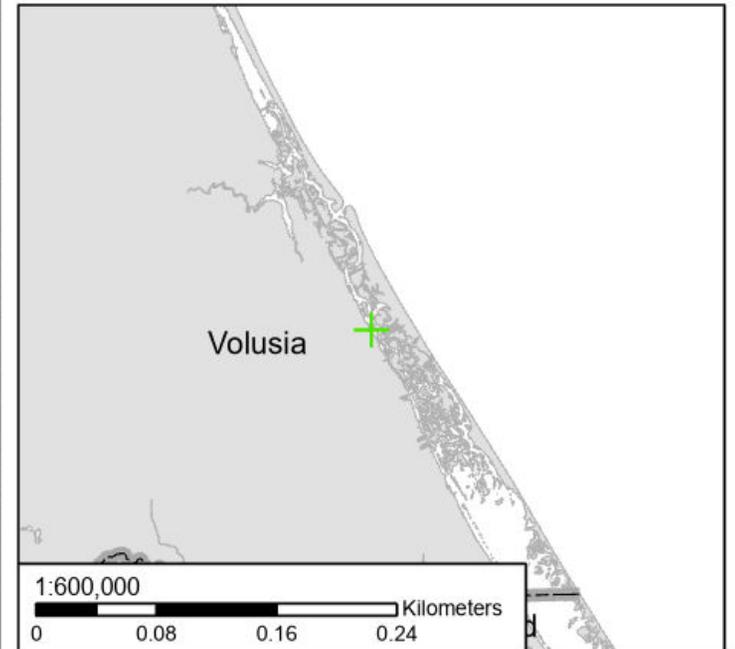
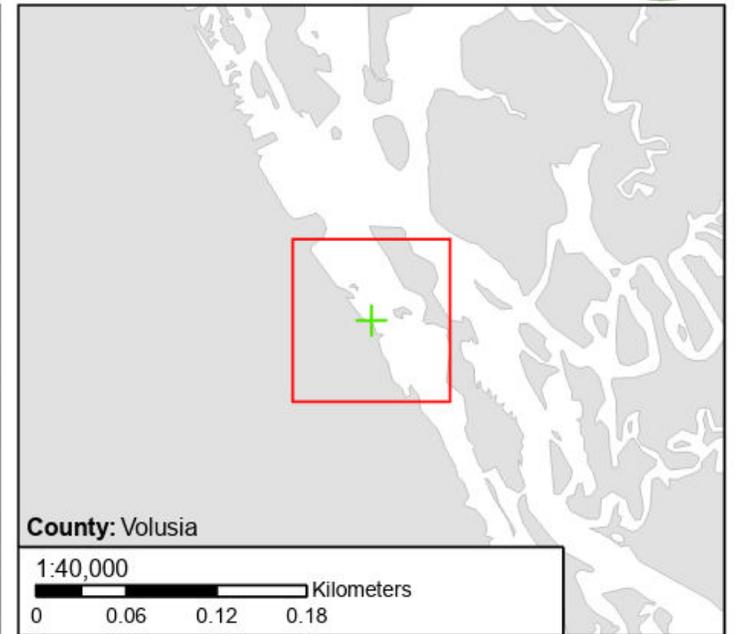


Verified Response Location of Manatee Rescue REC1911

Rescue Date: 12/21/2019

Facility ID: SWFTm1932b

Map Created 10/29/2021



Rescue Report

REC2001

GENERAL

| | | | | |
|--|---------------------------------------|---|---------------------------|----------------------------|
| Date of Rescue: 22 January 2020 | Date of Initial Call: 22 January 2020 | Filed by: W. Greer | | |
| Rescue ID: REC2001 | Facility ID: | Other ID: | | |
| FWC Case Number: N/A | | FWC Region: NE | | |
| Sex: Unknown | Length: 220 cm | Estimated: Yes | Weight: kg | Estimated: Choose an item. |
| PIT Tag Present: Unk | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Orange City | Waterway: St. Johns River | |
| Latitude (Decimal Degrees): 28.94691° N | | Longitude (Decimal Degrees): -81.33939° W | | |
| Locality Description: Blue Spring State Park, approximately 405 m NNE of the Thursby House | | | | |
| Method of Capture or Assistance: In Water: Disentanglement (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input checked="" type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Entanglement

| | | |
|---|--|------------|
| Gear Type: (Check all that apply) | | |
| <input type="checkbox"/> Monofilament Line | <input type="checkbox"/> Polyprop/Nylon Line | |
| <input type="checkbox"/> Hook | <input type="checkbox"/> Buoy | |
| <input type="checkbox"/> Sinker | <input type="checkbox"/> Trap | |
| <input type="checkbox"/> Net | <input checked="" type="checkbox"/> Other (Specify) <u>Rope from life ring</u> | |
| Location of Entanglement: Right flipper | | |
| If Crab Pot: | | |
| Float#: | Color: | Line Type: |
| Damage from Gear: | | |
| <input checked="" type="checkbox"/> No Damage | <input type="checkbox"/> Abrasions | |
| <input type="checkbox"/> Breaking Skin Surface | Depth of Entanglement Penetration: ___ cm | |
| Comments: Manatee had a rope from a life ring wrapped around the right flipper which was tethered to the dive entry platform. Sustained minor superficial scrapes from stairs of dive platform. | | |
| Gear Retained? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--------------------------------------|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2020-01-22_ECFL_PUBLIC_01 through 02 | |

HISTORY

| Date | Narrative |
|------------------------|---|
| 22 January 2020 | At 0747 hrs, Save the Manatee Club staff-Cora Berchem (CB) called FWC biologist-William D. Greer (WDG) regarding an entangled manatee in Blue Spring Run, Orange City, Volusia County. The complainant, CB (201-284-1123), stated there was a juvenile manatee entangled with a rope around the right flipper that was tethered to the diver entry platform at Blue Spring State Park. She also noted the manatee was attempting to break free and was struggling to surface. At 0748 hrs, WDG contacted FWC rescue coordinator-Andrew Garrett, and both agreed to allow CB and Blue Spring State Park Manager-Michael Watkins (MW) attempt an in-water disentanglement. At 0755 hrs, CB and MW freed the manatee from the rope that was attached to a life ring. Blue Spring Park staff retained the gear for disposal. The manatee swam off without issue, however had minor superficial scrapes from struggling against the metal staircase of the diver's entry platform. |

PARTICIPANTS

Save the Manatee Club: Cora Berchum
 Blue Spring State Park: Michael Watkins

Edited by:

NJG
 BDB
 DJS
 AJG

(Rev: 06/11/2019)

PHOTOS



Rescue Report

REC2002

GENERAL

| | | | | |
|--|---------------------------------------|---|--------------------------|----------------------------|
| Date of Rescue: 24 January 2020 | Date of Initial Call: 22 January 2020 | Filed by: W. Greer | | |
| Rescue ID: REC2002 | Facility ID: SWFTm2001b | Other ID: | | |
| FWC Case Number: N/A | FWC Region: NE | | | |
| Sex: Female | Length: 303 cm | Estimated: No | Weight: kg | Estimated: Choose an item. |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-079A-B00D | L: 00-079D-5674 | |
| State: FL | County: Brevard | City: Cape Canaveral | Waterway: Port Canaveral | |
| Latitude (Decimal Degrees): 28.40943° N | | Longitude (Decimal Degrees): -80.63737° W | | |
| Locality Description: approximately 135 m NE of the largest building at 1000 Mullet Road | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input checked="" type="checkbox"/> Other: (Specify): <u>Human related</u> | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: Mother and calf pair were observed on the east side of the Canaveral Locks for 3 days. The locks are currently under construction, so they could not be opened to let the manatees through. Water temperature in the area over the three days ranged from 62 F to 67 F. Manatees were captured and relocated.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2020-01-22_FWC025_1138 through 1163; 2020-01-24_FWC025_1175 through 1203; 2020-01-24_FWC027_4540 | |

HISTORY

| Date | Narrative |
|-----------------|--|
| 22 January 2020 | At 0833 hrs, FWC biologist-William Greer (WDG) received a text and photos from Protected Species Observer-Kendra Tremain (KT) regarding a mom and calf manatee pair on the east side of the Canaveral Locks. The complainant, KT (407-405-8066), stated the pair were resting at the gate and appeared to be waiting for the lock to open. At 1030 hrs, WDG and FWC biologist-Carley Metcalf (CMM) arrived at the locks to assess the condition of the pair. WDG took photos and consulted with FWC rescue coordinator-Andrew Garrett (AJG). Both agreed to monitor the pair before intervening. |
| 23 January | At 1022 hrs, WDG received a text and photos from KT regarding the same mom and calf pair on the east side of the Canaveral Locks. KT advised the manatees appeared to be in the same condition, but the water temperature was 62 °F. At 1030 hrs, WDG contacted AJG, and both agreed to give the manatees another day to move on their own. A rescue crew would be on standby to respond if the manatees were present the following day. WDG contacted SeaWorld Orlando rescue coordinator-Robert Wagoner (RW) who SeaWorld would send their boat and crew the next day if needed. |
| 24 January | At 0733 hrs, WDG received a text and photos from KT regarding the same mom and calf pair on the east side of the Canaveral Locks. The capture team arrived at the Freddie Patrick Park boat ramp at 1045 hrs. The boat was launched, and at 1155 hrs, the rescue team arrived at the manatees' location. The manatees were captured and brought on board the vessel at 1215 hrs and evaluated by SeaWorld veterinarian-Stacy DiRocco. The pair appeared healthy and were loaded into a SeaWorld transport truck, transported to the Port St. John boat ramp, and released at 1428 hrs. |

PARTICIPANTS

FWC ECFL: William D. Greer, Carley M. Metcalf

FWC ECFL Intern: Kelly L. Etherton

SeaWorld Orlando: Bob Wagoner, Brant Gabriel, Stacy DiRocco, Kelly Clucky, Mike Schnaber, Jonathan Picard, Lindsay Klaum

Edited by:

- NJG
- BDB
- DJS
- AJG

(Rev: 06/11/2019)

PHOTOS



Rescue Report

REC2003

GENERAL

| | | | | |
|--|---------------------------------------|---|--------------------------|----------------------------|
| Date of Rescue: 24 January 2020 | Date of Initial Call: 22 January 2020 | Filed by: W. Greer | | |
| Rescue ID: REC2003 | Facility ID: SWFTm2002b | Other ID: | | |
| FWC Case Number: N/A | FWC Region: NE | | | |
| Sex: Male | Length: 166 cm | Estimated: No | Weight: kg | Estimated: Choose an item. |
| PIT Tag Present: No | PIT Tag Applied: Yes | R: 00-079AC-8149 | L: 00-0783-E376 | |
| State: FL | County: Brevard | City: Cape Canaveral | Waterway: Port Canaveral | |
| Latitude (Decimal Degrees): 28.40942° N | | Longitude (Decimal Degrees): -80.63737° W | | |
| Locality Description: approximately 135 m NE of the largest building at 1000 Mullet Road | | | | |
| Method of Capture or Assistance: Boat Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input checked="" type="checkbox"/> Other: (Specify): <u>Human, other</u> | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: Mother and calf pair were observed on the east side of the Canaveral Locks for 3 days. The locks are currently under construction so they could not be opened to let the manatees through. Water temperature in the area over the three days ranged from 62 F to 67 F. Manatees were captured and relocated.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2020-01-22_FWC025_1138 through 1163; 2020-01-24_FWC025_1164 through 1174 and 1204 through 1206; 2020-01-24_FWC027_4540 | |

HISTORY

| Date | Narrative |
|------------------------|--|
| 22 January 2020 | At 0833 hrs, FWC biologist-William Greer (WDG) received a text and photos from Protected Species Observer-Kendra Tremain (KT) regarding a mom and calf manatee pair on the east side of the Canaveral Locks. The complainant, KT (407-405-8066), stated the pair were resting at the gate and appeared to be waiting for the lock to open. At 1030 hrs, WDG and FWC biologist-Carley Metcalf (CMM) arrived at the locks to assess the condition of the pair. WDG took photos and consulted with FWC rescue coordinator-Andrew Garrett (AJG). Both agreed to monitor the pair before intervening. |
| 23 January | At 1022 hrs, WDG received a text and photos from KT regarding the same mom and calf pair on the east side of the Canaveral Locks. KT advised the manatees appeared to be in the same condition, but the water temperature was 62 °F. At 1030 hrs, WDG contacted AJG, and both agreed to give the manatees another day to move on their own. A rescue crew would be on standby to respond if the manatees were present the following day. WDG contacted SeaWorld Orlando rescue coordinator-Robert Wagoner (RW) who SeaWorld would send their boat and crew the next day if needed. |
| 24 January | At 0733 hrs, WDG received a text and photos from KT regarding the same mom and calf pair on the east side of the Canaveral Locks. The capture team arrived at the Freddie Patrick Park boat ramp at 1045 hrs. The boat was launched, and at 1155 hrs, the rescue team arrived at the manatees' location. The manatees were captured and brought on board the vessel at 1215 hrs and evaluated by SeaWorld veterinarian-Stacy DiRocco. The pair appeared healthy and were loaded into a SeaWorld transport truck, transported to the Port St. John boat ramp, and released at 1428 hrs. |

PARTICIPANTS

- FWC ECFL- William D. Greer, Carley M. Metcalf
- FWC ECFL Intern- Kelly L. Etherton
- SeaWorld Orlando- Bob Wagoner, Brant Gabriel, Stacy DiRocco, Kelly Clucky, Mike Schnaber, Jonathan Picard, Lindsay Klaum

Edited by:

- NJD
- BDB
- DJS
- AJG

(Rev: 06/11/2019)

PHOTOS



Rescue Report

REC2004

GENERAL

| | | | | |
|--|---------------------------------------|---|---------------------------|---------------|
| Date of Rescue: 31 January 2020 | Date of Initial Call: 12 January 2020 | Filed by: W. Greer | | |
| Rescue ID: REC2004 | Facility ID: SWFTm2003b | Other ID: BS389, Trap | | |
| FWC Case Number: N/A | FWC Region: NE | | | |
| Sex: Male | Length: 302 cm | Estimated: No | Weight: 418 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Volusia | City: Orange City | Waterway: St. Johns River | |
| Latitude (Decimal Degrees): 28.94328° N | | Longitude (Decimal Degrees): -81.34165° W | | |
| Locality Description: Blue Spring State Park, approximately 135 m W of the Thursby House | | | | |
| Method of Capture or Assistance: Land Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input checked="" type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The emaciated manatee had numerous cold stress lesions covering the body, and the skin was sloughing off the head and fluke.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2020-01-31_ECFL_WDG_0793 through 0797; 2020-01-31_FWC025_1235 | |

HISTORY

| Date | Narrative |
|-----------------|--|
| 12 January 2020 | At 1309 hrs, FWC biologist-William Greer (WDG) received an e-mail from Save the Manatee Club staff-Cora Berchem (CB) regarding a cold stressed |

manatee known as Trap located at Blue Spring State Park, Orange City, Volusia County. CB (201-284-1123), stated the adult male had skin sloughing off his head and fluke and appeared emaciated. Due to the number of manatees present in the spring, no rescue was attempted.

31 January

At 1331 hrs, WDG received a text from CB stating the manatee was far up the Blue Spring Run with only 1 or 2 other manatees around. WDG informed AJG and SeaWorld Orlando rescue coordinator-Robert Wagoner (RW) of the situation, and all agreed to attempt a rescue. At 1420 hrs, the rescue team assembled at the French Street boat ramp and launched the rescue boat. A land-based net-set was conducted at 1605 hrs, and the manatee was captured by 1620 hrs, loaded into a SeaWorld transport truck, and transported to SeaWorld Orlando.

PARTICIPANTS

FWC ECFL: William D. Greer, Carley M. Metcalf

SeaWorld Orlando: Brant Gabriel, Garrett Stephens, Maggie Mariolis, Julie Moore

Clearwater Marine Aquarium Research Institute: Nicole Bartlett

Save the Manatee Club: Cora Berchum

Edited by:

- NJG
- BDB
- DJS
- AJG

(Rev: 06/11/2019)

PHOTOS



Rescue Report

REC2005

GENERAL

| | | | | |
|--|--|---|---------------------------|---------------|
| Date of Rescue: 11 February 2020 | Date of Initial Call: 11 February 2020 | Filed by: W. Greer | | |
| Rescue ID: REC2005 | Facility ID: SWFTm2004b | Other ID: Ghostface | | |
| FWC Case Number: 2270 | FWC Region: NE | | | |
| Sex: Male | Length: 208 cm | Estimated: No | Weight: 202 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Cape Canaveral National Seashore | Waterway: Mosquito Lagoon | |
| Latitude (Decimal Degrees): 28.65204° N | | Longitude (Decimal Degrees): -80.64325° W | | |
| Locality Description: approximately 2.07 km NW of the intersection of Patrol Road and Playlinda Beach Road | | | | |
| Method of Capture or Assistance: Land Based: Net Set (Other: _____) | | | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|--|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input checked="" type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input type="checkbox"/> Other: (Specify): _____ | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The manatee had white discoloration on the head, pectoral flippers, and along the edge of the fluke. The manatee had raw lesions and skin sloughing on the head and pectoral flippers.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|--------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2020-02-11_FWC023_9714 through 9725; 2020-02-11_ECFL_WDG_0808 | |

HISTORY

| Date | Narrative |
|-------------------------|---|
| 11 February 2020 | At 1255 hrs, FWC biologist-Carley Metcalf (CMM) received a text alert from FWC NE Dispatch-Orlando regarding a possibly distressed manatee in Max Hoeck Back Creek, Cape Canaveral National Seashore, Brevard County. FWC case number 2270 was assigned. The complainant, Charles Levy (321-302-6204), described a four to five-foot manatee with a very white snout that appeared trapped. A verification photo was provided. At 1420 hrs, FWC biologist-William Greer (WDG) arrived at the manatee’s location and confirmed the need for rescue. At 1433 hrs, WDG contacted SeaWorld Orlando rescue coordinator-Robert Wagoner (RW) to confirm that SeaWorld Orlando had space for the animal and could assist with a rescue. At 1630 hrs, ECFL and SeaWorld rescue teams arrived at the manatee’s location. A net was walked around the manatee, and the manatee was captured at 1645 hrs. The manatee was loaded into the ECFL transport truck at 1645 hrs and transported to SeaWorld, arriving at 1800 hrs. |

PARTICIPANTS

- FWC ECFL: William D. Greer, Sara M. Wappes, Carley M. Metcalf
- FWC ECFL Intern: Kelly L. Etherton
- FWC ECFL Volunteer: Jim Schmitz
- SeaWorld Orlando: Bob Wagoner, Kelly Cluckey

Edited by:

- NJG
- BDB
- DJS
- AJG

(Rev: 06/11/2019)

PHOTOS



Rescue Report

REC2006

GENERAL

| | | | | |
|--|--|---|------------------------|---------------|
| Date of Rescue: 17 February 2020 | Date of Initial Call: 17 February 2020 | Filed by: S. Wappes, W. Greer | | |
| Rescue ID: REC2006 | Facility ID: SWFTm2005b | Other ID: Vulcan, RB718 | | |
| FWC Case Number: 2647 | FWC Region: NE | | | |
| Sex: Female | Length: 282 cm | Estimated: No | Weight: 392 kg | Estimated: No |
| PIT Tag Present: No | PIT Tag Applied: No | R: | L: | |
| State: FL | County: Brevard | City: Palm Bay | Waterway: Turkey Creek | |
| Latitude (Decimal Degrees): 28.03301° N | | Longitude (Decimal Degrees): -80.58125° W | | |
| Locality Description: approximately 210 m ENE of 1400 Main Street NE | | | | |
| Method of Capture or Assistance: Boat Based: Net Set | | (Other: _____) | | |

REASON FOR RESCUE

Check one of the following:

| | | |
|---|---|---|
| <input type="checkbox"/> Watercraft | <input type="checkbox"/> Entanglement | <input type="checkbox"/> Entrapment (Human) |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Red Tide | <input type="checkbox"/> Tidally Stranded |
| <input type="checkbox"/> Calf by itself | <input checked="" type="checkbox"/> Other: (Specify): <u>Undetermined</u> | |

Cold Stress, Red Tide, Tidally Stranded, Calf by itself or Other

Describe: The manatee was thin, lethargic, positively buoyant, and listing right side high.

VISUAL RECORD

| | Photo - Digital | Video |
|---------------------------|--|-------------------------------------|
| Rescue Location | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal Before Rescue | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Actual Rescue | <input type="checkbox"/> | <input type="checkbox"/> |
| Animal After Rescue | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Wounds | <input type="checkbox"/> | <input type="checkbox"/> |
| Scars | <input type="checkbox"/> | <input type="checkbox"/> |
| Gear Alone (if entangled) | <input type="checkbox"/> | <input type="checkbox"/> |
| Photographs file name | 2020-02-17_FWC025_1508 through 1526; 2020-02-17_PUBLIC_ECFL_0406. | |

HISTORY

| Date | Narrative |
|------------------|---|
| 17 February 2020 | At 1536 hrs, FWC biologist-Sara Wappes (SMW) received a text alert from FWC NE Dispatch-Orlando regarding a manatee floating on its side in Turkey Creek, Palm Bay, Brevard County. FWC case number 2647 was assigned. The complainant, FWC-Officer Beck, stated the manatee was struggling to swim and was unresponsive when approached. At 1550 hrs, SMW received a video from Ofc. Beck confirming the manatee’s condition, which was forwarded to FWC biologist-William Greer (WDG). Ofc. Beck agreed to stay with the manatee until a rescue team could arrive. At 1618 hrs, WDG contacted SeaWorld Orlando rescue staff-Lorri Braso to confirm that SeaWorld could take the manatee and assist with transport. At 1734 hrs, the capture team assembled at the Pollak Park boat ramp. At 1759 hrs, the manatee was captured in the first open water net set and transported to the Pollak Park boat ramp. At 1845 hrs, a SeaWorld transport team arrived, and the manatee was loaded into the SeaWorld truck and transported to Orlando. |

PARTICIPANTS

FWC ECFL: William D. Greer, Sara M. Wappes
FWC ECFL Intern: Kelly L. Etherton
FWC ECFL volunteers: Jim Schmitz, Casie Farrell, Brittiny Bennett, Steven Hellmann

Edited by:

NJG
BDB
DJS
AJG

(Rev: 06/11/2019)

PHOTOS

