

# Rescue Report

Resc / Rel  
1/30  
Calf by it'se  
Cold Str

Entered  
3/3/10  
255

## GENERAL:

Date of Rescue: 12 January 2010	Date of Initial Call: 12 January 2010	Filed by: A. Spellman
Rescue ID#: REC1001	Facility ID: SWFTm1001	FWC Case: N/A
Sex: Female	Length: 170cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R
LOCATION:		
State: FL	City: Melbourne Beach	County: Brevard
Latitude (Decimal Degrees): 27.861822°N		Waterway: Sebastian Inlet
Longitude (Decimal Degrees): -080.446673°W		
Locality Description: North side inlet on the south side of the north jetty along the rocks		
Method of Capture: Stranded – placed stretcher under animal		

Transf  
11/21  
from Columbia  
to  
Miami  
Se

## REASON FOR RESCUE

Check one of the following:

<input type="checkbox"/> Watercraft	<input type="checkbox"/> Entanglement	<input type="checkbox"/> Entrapment	<input type="checkbox"/> Orphan	<input checked="" type="checkbox"/> Cold Stress
<input type="checkbox"/> Red Tide	<input type="checkbox"/> Other: (Specify):			

## Watercraft

Check one of the following:

<input type="checkbox"/> Propeller	<input type="checkbox"/> Skeg	<input type="checkbox"/> Suspected Impact
------------------------------------	-------------------------------	---

Describe:

## Entanglement

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

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
12 Jan 2010 0900h	FWC-biologist A. Spellman (ACS) received a call directly from FDEP Sebastian Inlet State Park staff member Therese Harber (TH) regarding a small manatee that was lethargic and stranded on the beach alongside the south side of the north Jetty on the ocean side of US1. According to TH's description, the manatee was a dependent calf. The tide was on its way out at that time but the area would be submerged again when the tide came in later that day. Due to the extremely cold air temperature and correspondingly cold water temperatures in the region, ACS instructed park staff to cover the manatee with a blanket to keep it warm. ACS arrived on scene within 45 minutes and assessed the manatee. It was a small dependent calf that had been on its way out into the ocean and had become wedged in the rocks originally, it was also lethargic. ACS, with the assistance of park staff and a couple of visitors, positioned the manatee in the stretcher and covered it with both thermal blankets and a wool blanket. Although there were a few other manatees passing through area, ACS had no way of knowing if any were the calf's mother as none were staying in the general area of the beaching. After taking water temperatures, which registered at 11°C (54°F), and discussing the situation with another FWC-biologist, M. Barlas, ACS decided not to put the calf back in the water and contacted SeaWorld to see if they could accept the manatee. SWF agreed to come pick the calf up. ACS then proceeded to try and get a vessel to help with moving the animal to a nearby boat ramp. The jetty and sea wall made lifting the animal up and over too dangerous and logistically impossible without a



## Rescue Report

crane. Given the receding tide and the strong outgoing current, ACS needed a boat to nose into the shore where they would quickly load the manatee onboard. Due to the sea turtle recovery efforts in the region, no officers were available. ACS put a call into Indian River County Mosquito Control (IRCMC) who said they could be to the site in 15 minutes. ACS gave IRCMC instructions on how to approach the site and that given the current they had to move very quickly so the boat would not get swept past them. ACS got the staff and volunteers to help her carry the manatee to the edge of the shoreline. Upon arrival, Sandy with IRCMC quickly maneuvered into the shore a few yards east of the crew's location, and the current quickly dragged him to them. The manatee was quickly loaded onto the boat and ACS climbed on board for the ride to the boat ramp approximately ¼ mile west on the south side of the park. The manatee made no attempts to move during the trip. SWF arrived at the boat ramp approximately 45 minutes later and the manatee was loaded into the truck. SWF staff attempted to take a rectal temperature but the manatee appeared to be constipated and the probe could not be inserted. She was left wrapped in the blankets for the trip and taken to the park for treatment.

### Participants

FWC: A. Spellman

IRCMC: Sandy

FDEP Park Staff, park visitors

REC1001

Attachments: map

Photographs: FWC008\_257:5798-258:5831

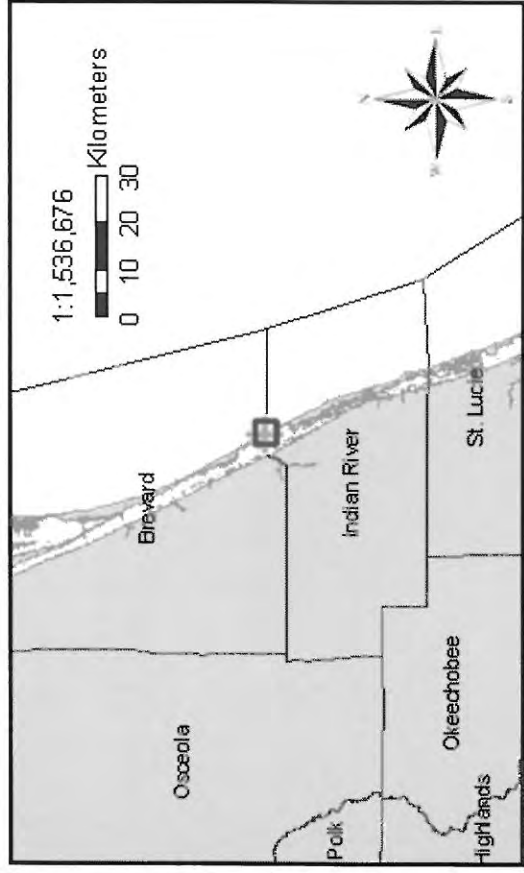
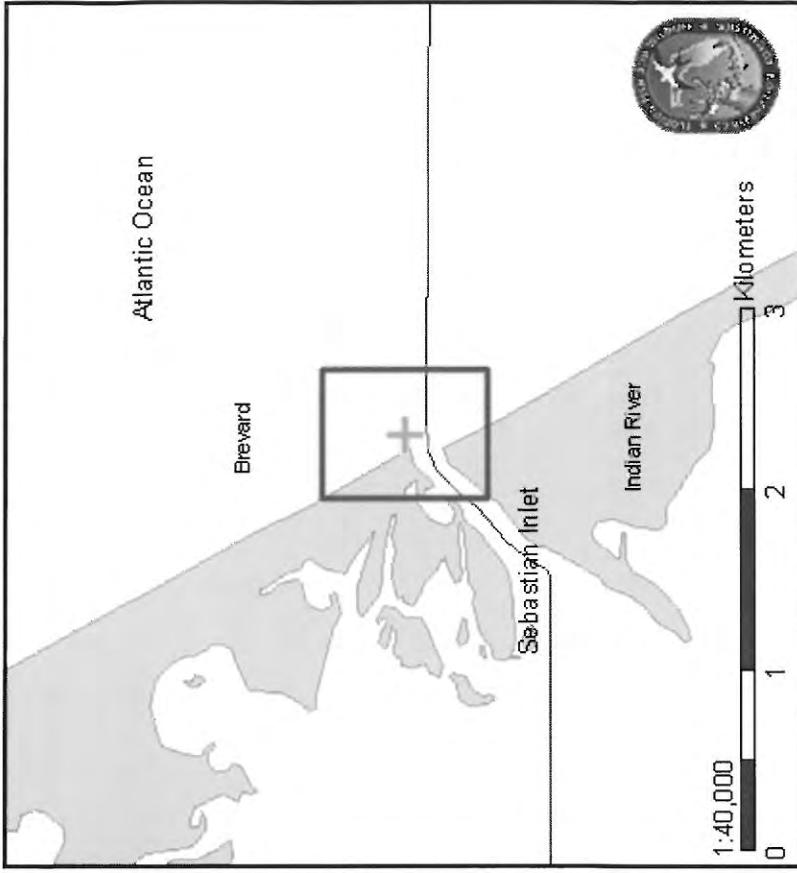
Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF



# Verified Rescue Location of Manatee REC1001/SWFTm1001



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
12	1	2010	REC1001	27.861822	-80.446673	1-12-2010	ACS,SWF	ACS



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 03 March 2010

**SUBJECT:** The rescue of a cold-stressed manatee calf from the Sebastian Inlet on 12 January 2010 (**REC1001/SWFTm1001**).

The attached rescue report for **REC1001** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data





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## Sea World Rescues Cold Manatee

### Manatee Washes Up Near Sebastian Inlet

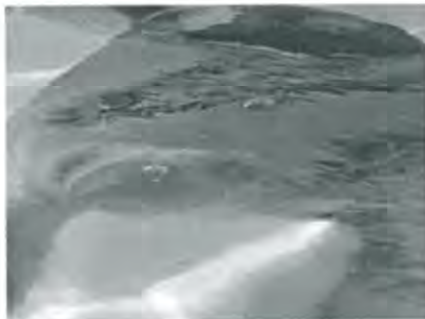
POSTED 5:11 pm EST January 12, 2010  
UPDATED 5:37 pm EST January 12, 2010



**ORLANDO, Fla.** -- Wildlife officials said a manatee washed up into the rocks near Sebastian inlet, where the water is too cold for the creature to survive in.

Sea World rescued the animal and will warm it up, treat it, and release it back into the wild when it is healthy to survive on its own.

While the 280 pound manatee was found among the rocks, only a few scratches and bruises were visible.



Sea World rescued this manatee Tuesday.

"All in all her body condition looks pretty good, she just does show some evidence of cold stress," Sea World's Scott Gearheart said.

Dr. Gearhart made sure the manatee received antibiotics.

"If they're hypothermic for any length of time then that can affect their

immune systems so there are other things to consider, Gearhart said. "It's basically supportive care, we'll cover her for any secondary infections she might get, but it's basically supportive care."



+Enlarge

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Sea World To Rehabilitate Manatee



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### Columbus Zoo Ships Three Young Rehabilitated Manatees Back to Florida

Sun, 11/6/2011 - 9:42 AM

By Patty Peters



Powell, OH - Three young rehabilitated manatees have been taken back to Florida and three new manatees in need of extra tender loving care are now being cared for by the animal experts at the Columbus Zoo and

Aquarium. The moves, which occurred on Nov. 2, are part of the Zoo's participation in the U.S. Fish and Wildlife Service's Manatee Rescue and Rehabilitation Program.

Hamilton, Tippecanoe and Bernice return to Florida

Hamilton, Tippecanoe and Bernice were flown to Florida yesterday and will remain in the care of manatee experts at Tampa's Lowry Park Zoo (Hamilton) and Miami Seaquarium (Tippecanoe and Bernice) until their release near the areas where they were found.

The release of Hamilton and Bernice will occur in late winter and both animals will be outfitted with satellite tracking devices to continue to monitor their health and well-being. Their movements will be tracked as part of the Columbus Zoo's participation in the Manatee Rehabilitation Partnership. Because Tippecanoe has more experience in the wild, including a winter on his own, he will be released early this winter.

Three-year-old Hamilton was rescued on Feb. 21, 2010 in Citrus County's Crystal River after being hit by a boat propeller. Apparently orphaned, he was observed trying to nurse from other manatees. Hamilton arrived at the Columbus Zoo on Apr. 6, 2010 weighing about 240 pounds and is now more than 650 pounds.

Tippecanoe was estimated to be one-and-a-half years of age when he was rescued on Mar. 16, 2010 in Tippecanoe Bay near Port Charlotte. Like many manatees who suffered from cold stress due to prolonged, record low temperatures in Florida that winter, Tippecanoe was exhibiting lethargic behavior and had lesions that caused him to shed much of his epidermis. Tippecanoe arrived at the Columbus Zoo on Apr. 6, 2010 weighing about 380 pounds and is now more than 700 pounds.

Bernice was an orphan heading precariously out to sea when she was rescued on Jan. 5, 2010 at Sebastian Inlet on the east coast of Florida. Probably less than a year old and suffering from cold stress, she was just 280 pounds. Bernice came to the Columbus Zoo on Nov. 3, 2010 and has gained almost 500 pounds since her arrival.

Pixie, Wheezy and Woodstock arrive in Central Ohio

Stubby, a 16-year-old female who remains at the Zoo's Manatee Coast, will not be alone in the 300,000-gallon pool for long. Three new manatees came from Florida on the return flight and are currently in the observation pool. It is expected they will be introduced to Stubby and Zoo visitors within the next few days.

The new manatees are Pixie, Wheezy and Woodstock and they are coming from SeaWorld Orlando and Miami Seaquarium.



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## Freshwater Farms of Ohio



Pixie is the smallest manatee ever to come to the Columbus Zoo for rehabilitation. She was rescued on Jul. 24, 2010 after being spotted alone in shallow water near Daytona. She was estimated to be just a few weeks old and only 42 pounds when she was taken to SeaWorld Orlando. Pixie is now 125 pounds and is still being bottle-fed.

Wheezy was suffering from the effects of cold stress when she was rescued on Jan. 15, 2011. She was one of three manatees rescued from the Desoto Canal in Satellite Beach last winter. Wheezy is about 505 pounds.

Woodstock and her mother were victims of cold stress when they were rescued near the southwest coast of Florida on Jan. 7, 2011. Woodstock was orphaned when her mother did not survive. She now weighs 420 pounds.

### Manatee conservation

The Columbus Zoo and Aquarium supports field conservation projects for three of four living species of manatees through its Conservation Fund. Providing grants to researchers on three continents (North America, South America and Africa), the Zoo contributes to rescue and rehabilitation in Florida, environmental education focused on the Amazonian manatee in Colombia, and critical population surveys for the least-known species – the West African manatee.

The Columbus Zoo and Aquarium was the first program partner outside of the state of Florida and one of only two facilities outside of Florida to care for manatees. More information about the program is available from the Florida Fish and Wildlife Conservation Commission ([www.myfwc.com/manatee](http://www.myfwc.com/manatee)).

The Columbus Zoo and Aquarium is home to more than 9,000 animals representing 675 species and provides more than \$1 million annually to support over 70 conservation projects worldwide. A recreational and education destination that includes the 22-acre Zoombezi Bay water park and 16-hole Safari Golf Club, the Columbus Zoo and Aquarium hosts more than two million visitors annually and was named the #1 Zoo in America by USA Travel Guide. A 501(c)(3) nonprofit organization, the Columbus Zoo has earned Charity Navigator's prestigious 4-star rating. For more information and to purchase advance Zoo admission tickets, visit [www.columbuszoo.org](http://www.columbuszoo.org).

To view Columbus Zoo's web page on Zoo and Aquarium Visitor News, go to: [http://www.zandavisor.com/forumtopicdetail-20-Columbus\\_Zoo\\_and\\_Aquarium](http://www.zandavisor.com/forumtopicdetail-20-Columbus_Zoo_and_Aquarium)



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the Elephant Sanctuary  
in Tennessee



[www.elephants.com](http://www.elephants.com)





**Szemer, Donna**

---

From: Spellman, Ann  
Sent: Monday, January 30, 2012 4:16 PM  
To: Szemer, Donna; Cathy A Beck  
Subject: Releases: "Sluffy" and "Bernice" today at Berkeley Canal  
Attachments: FWC020\_2012-01-30\_4819.jpg; FWC020\_2012-01-30\_4830.jpg; FWC025\_2012-01-30\_1847.jpg; FWC025\_2012-01-30\_1848.jpg; FWC025\_2012-01-30\_1851.jpg

(Bre and Co  
Satellite Bel)

Hello- all went well with these two and here is the important info:

"Sluffy"

REC1114/MSTm1107

Rescued: 15 Feb 2011, South prong of Sebastian River for severe cold stress

Male 835 lbs, 244cm

R: 00-06F1-12B9 L: 00-06F2-83E4 - 1/26/12 @ MSQ

No freeze brand or tag

Photos attached

Entered Captive  
2/3/12  
DSS  
4 PIT on  
2/6/12

"Bernice"

REC1001/SWFTm1001/MSTm1111

Rescued: 12 Jan 2010, north shoreline of Sebastian Inlet State Park- Orphaned and cold stress

Female 835 lbs, 252cm

R: 00-06F1-0992 L: 00-06F2-7AE9 - 1/11/12 @ MSQ

Freeze brand "J3"

Satellite Tag: red and orange with yellow and white antenna; freq:879; Tag#: 64241; yellow belt Photos attached to next email

Ann C. Spellman

Marine Mammal Biologist

Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901

Phone: 321-953-5037

Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

# Rescue Report

Entered  
3/23/10  
JSS

Race Red  
Natural Cold Stress Rel  
4/17/10

"Clarice"

## GENERAL:

Date of Rescue: 17 January 2010	Date of Initial Call: 16 January 2110	Filed by: A. Spellman
Rescue ID#: REC1002	Facility ID: SWFTm1002	FWC Case: N/A
Sex: Female	Length: <u>222 cm</u>	Estimated: No
PIT Tag Applied: <u>No</u>	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION: <u>Yes</u>		
State: FL	City: Satellite Beach	County: Brevard
Latitude (Decimal Degrees): 28.164419°N		Longitude (Decimal Degrees): -080.603034°W
Locality Description: Drainage ditch off of DeSoto Pkwy and Desoto Lane		
Method of Capture: Walked stretcher under manatee		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
16 January 2010	While assessing the health of some 60+ manatees using a small drainage ditch as a warm water aggregation site off DeSoto Pkwy in Satellite Beach, Brevard County, FWC-biologists A. Spellman (ACS) and C. Rush (CNR) both agreed that a sub-adult that had been in the canal for over two weeks was looking more and more lethargic every day and did not seem to be leaving the canal when all the others had to feed. Concerns that a severe cold front approaching would kill the manatee, ACS and CNR agreed to try and extract the calf the following day with the assistance of SeaWorld Staff. ACS put a call into the park and they agreed to send a land based crew if the manatee was spotted the following morning. ACS expressed concern over another potentially in distress calf/sub-adult.
17 January 2010	ECFL staff located the two manatees in question. Most of the manatees had gone out to feed leaving some 15-20 animals randomly distributed along the length of the canal. The sub-adults in question stayed at the warmer, northern end of the canal. ACS contacted SWF to request staff assistance. Upon arrival SWF staff decided to try and stretcher the primary animal of concern. While this worked and the manatee was easily stretchered, it did scare the other animal of concern out of the canal and staff was unable to catch it that day despite attempts to try and locate it again. The captured manatee was brought to shore and lifted up onto the bank where it was documented and sexed. It was taken back to SWF for treatment.



## Rescue Report

### Participants:

FWC: A. Spellman, C. Rush, M. Lizotte

SWF: J. Peterson and Staff

**Total time:** 4 hours

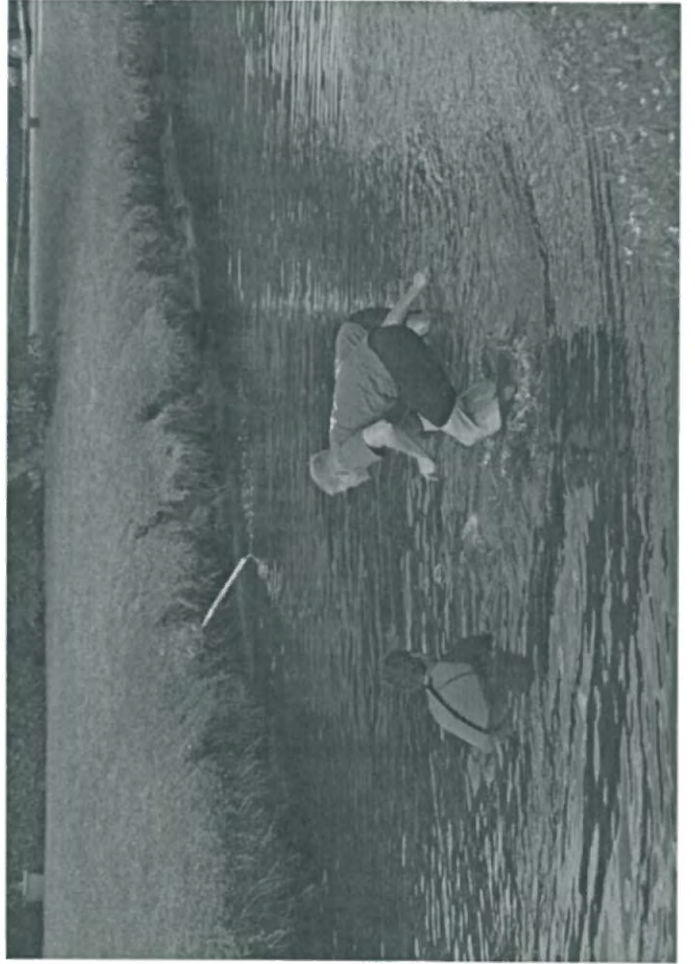
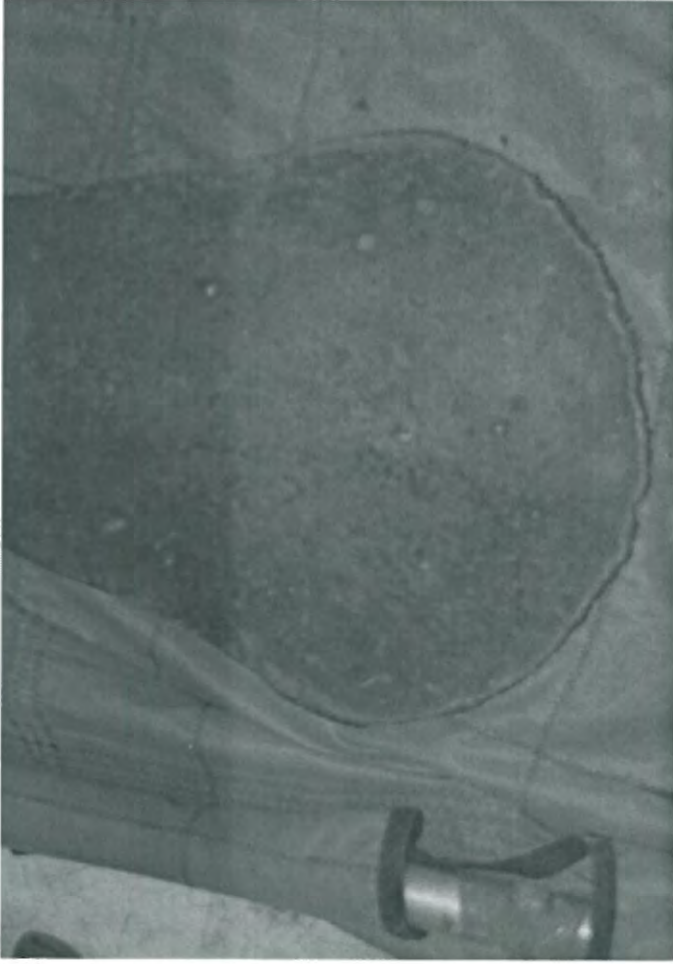
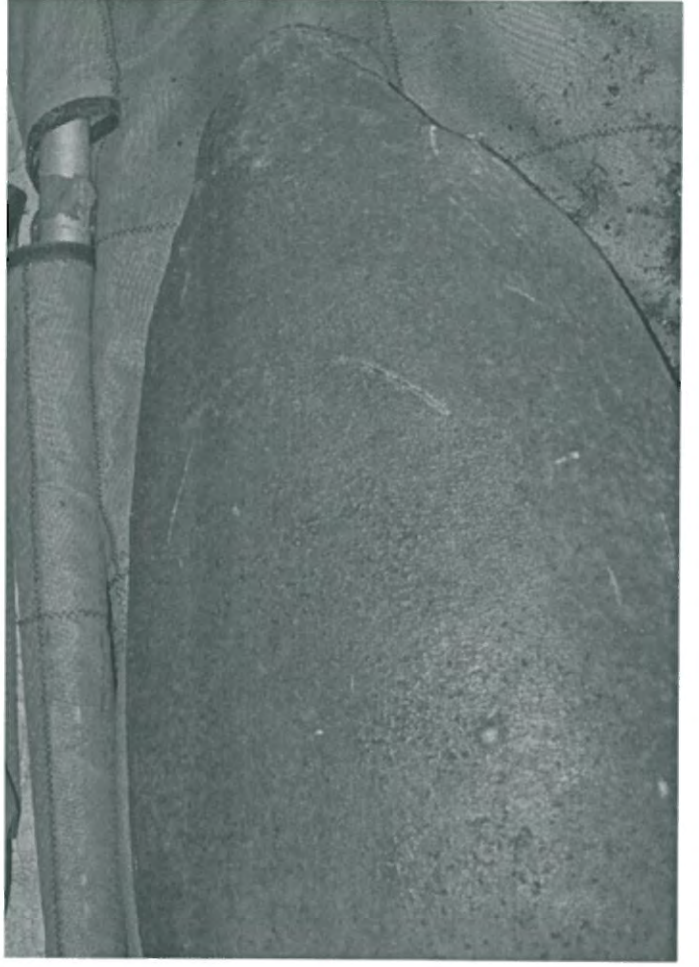
**REC1002**

Attachments: map

Photos: FWC008\_267:6774-89, 6800, \_268:6813-6859, video and bystander photos as well

cc: FWRI, Field Labs, ISM, SWF, FWS

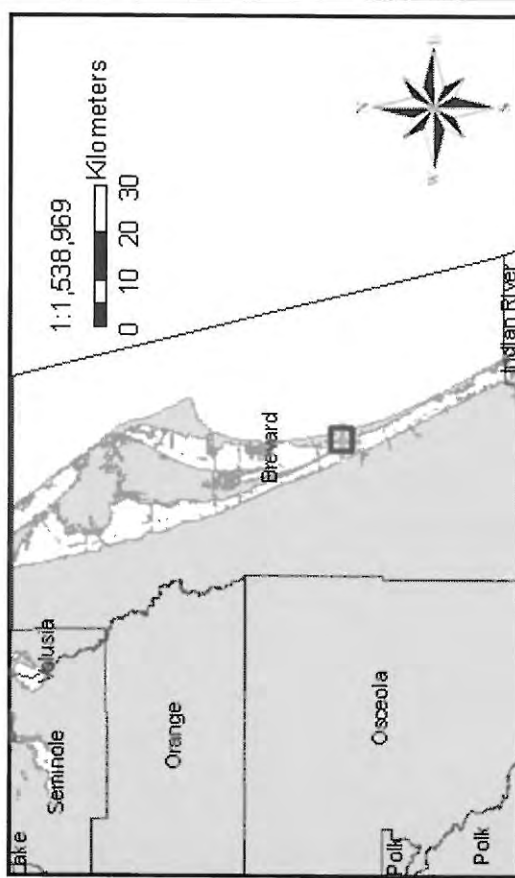
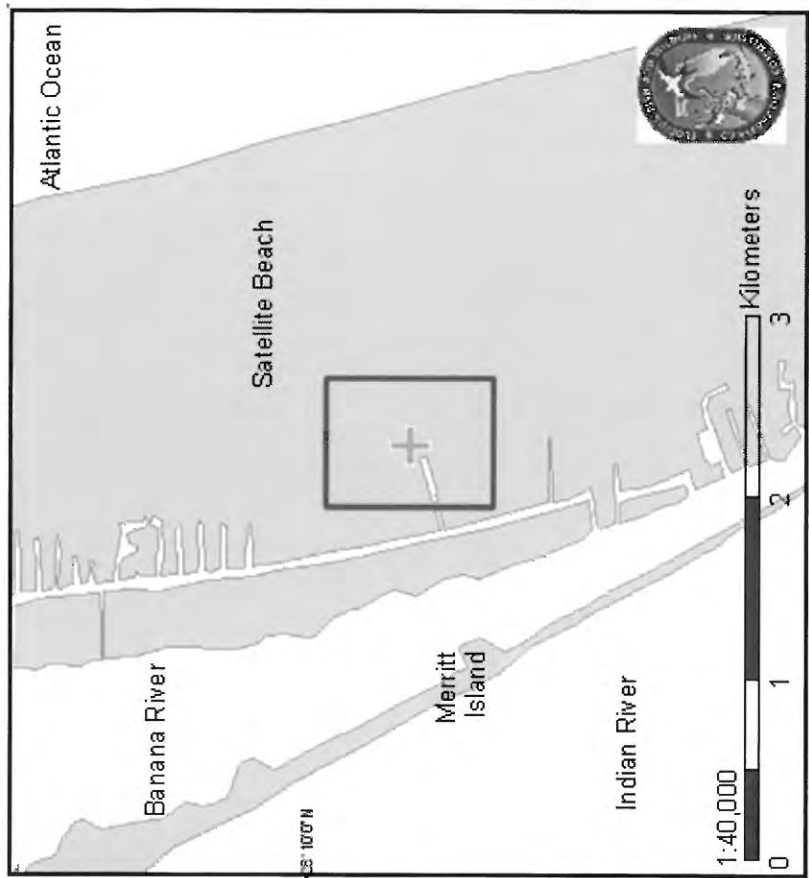




SWFTM1002B/REC1002



# Verified Rescue Location of Manatee REC1002/SWFTm1002b



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
16	1	2010	REC1002	28.164419	-80.603034	1/17/2010	FWC, SWF	CIIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann C. Spellman  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 3 March 2010

**SUBJECT:** The rescue of a cold-stressed, lethargic, sub-adult manatee from the Desoto Canal, Satellite Beach on 17 January 2010 (**REC1002/SWFTm1002**).

The attached rescue report for **REC1002** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

**Manatee Information (MLog:1132 )**Animal ID:**SWFTm1002B** Sex:**F** Name:**Clarice** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 02/17/2010    **Tag ID** 0006E94737**Tag ID** 0006E94737**Information:** Pit tagged for future release.**Event:** Rescue    **Event Date** 01/17/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/04/2010**Updated By:** D    **Updated Date:** 03/04/2010

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 02/17/2010    **Tag ID** 0006E90B49**Tag ID** 0006E90B49**Information:** Pit tagged for future release**Event:** Rescue    **Event Date** 01/17/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/04/2010**Updated By:** D    **Updated Date:** 03/04/2010

Entered  
PIT - 3/15/10 DJS  
Captive - 3/23/10

## Rescued manatee returned to Satellite Beach canal

FLORIDA TODAY Staff • April 6, 2010

**SATELLITE BEACH** — A team from SeaWorld released Tuesday morning a 7½-foot-long manatee in the same canal off Desoto Parkway that she was rescued from on Jan. 10.

Clarice was 440 pounds when she was found. She was suffering cold stress during a winter chill. Now, she's 590 pounds.

Her rehabilitation at SeaWorld comes during a year in which a record number of manatees have died. As of March 26, state biologists have documented 448 fatalities, most of which have been attributed to the cold. The previous high mark was 429 in all of 2009.

In Brevard County, 98 have died this year. At least 69 of them were because of the cold, according to preliminary statistics from the Fish and Wildlife Research Institute in St. Petersburg.

As the approximately 5-year-old Clarice paddles freely, she continues to face life-threatening situations, the utmost being boats. An identification tag imbedded in the manatee's skin will help SeaWorld track her progress.

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## Manatee freed from cold rehab

Team rescues 3 sea cows across Brevard County

BY ANDREW KNAPP • FLORIDA TODAY • APRIL 7, 2010

---

**SATELLITE BEACH** — Workers from SeaWorld Orlando had their hands full Tuesday, as they released one manatee after a period of rehabilitation and saved one of three others that still were suffering the effects of the winter weather in Brevard County.

When 4- to 5-year-old Clarice was found in January in murky water off Desoto Parkway, she was dehydrated, skinny and cold. She weighed only 440 pounds.

But on Tuesday morning -- after weeks of chomping on romaine lettuce, the young manatee slid off her blue stretcher and into the canal she was rescued from. Her new weight is 590 pounds.

The SeaWorld workers, who liberated the sea cow in mid-January from a mass of about 70 huddling for warmth in Satellite Beach, watched as Clarice bobbed in 4 feet of water, then moved toward the open Banana River.

"She's heading in the direction we wanted her to," said Steve Lehr, who has been rescuing animals on behalf of SeaWorld for 32 years. "I hope never to see her again."

Clarice is a success story biologists hope is repeated in the cases of three other manatees rescued Tuesday in Brevard: on Merritt Island and in Palm Bay and Indialantic. All had symptoms of cold stress, which is prompted by prolonged exposure to sub-60-degree water.

"It's an unusual case to have such a high number of rescues in one county that aren't related to a stranding," said Andy Garrett, a state biologist who led the Palm Bay and Indialantic rescues.

As water temperatures rise into the upper 60s, manatees are migrating away from popular heat sources such as power plants, according to Garrett. That's why more people are noticing distressed sea cows and reporting them to the state. He said the chances the rescued animals will recover is "50-50."

The catches and releases come during a year in which a record number of manatees have died. As of March 26, state biologists have documented 448 deaths, most of which have been attributed to the cold. The previous high mark was 429 in all of 2009.

In Brevard, 98 have died this year. At least 69 of them were because of the cold, according to preliminary statistics from the Florida Fish and Wildlife Conservation Commission.

After the release of Clarice, a convoy of SeaWorld trucks drove north to Manatee Cove Park on Merritt Island. There, Kringle, rescued at Christmastime in 2008 and freed by SeaWorld earlier this year, needed a checkup. Readings from a satellite-linked tracking band hooked to the manatee's flipper indicated that the 5-year-old was malnourished. He was captured from the river and sent to Miami Seaquarium.

"They'll get him fattened back up," said Lehr, who added that rehabilitation is far from a guarantee of survival.

Clarice is in the same boat. As she paddles freely, she continues to face threats to her life, including propellers.

"But she has an even chance with all the rest out there," said Lara Croft, a veterinarian at SeaWorld, which has saved 15 manatees this year. "We try to do our little part in saving the species. If there's 15 less that died this year because of us, it's a job well done."

**Contact Knapp at 242-3783 or [aknapp@floridatoday.com](mailto:aknapp@floridatoday.com).**

---

**Manatee Information (MLog:1132 )**Animal ID:**SWFTm1002B** Sex:**F** Name:**Clarice** Rearing:**Wild reared**

## -- Release Information -----

**Release Date:** 04/07/2010

## -- Release Location Information -----

**Release Site:** Desoto Canal (Banana River)**State:** FL **County:** Brevard **City:** Satellite Beach**Waterway:** Banana River

## -- Measurement -----

**Weight (kg):** 269 **Estimated Weight?:** No **Date Weighed:** 04/06/2010**Length (cm):** 226 **Estimated Length?:** No **Date Measured:** 04/06/2010

## -- Other Release Information -----

**Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:** None**Veterinarian:** Laura Croft**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Additional Narrative:**

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 01/12/2011**Updated By:** D **Updated Date:** 01/12/2011*Entered  
01/24/11  
DS*

# Rescue Report

Entered 4/13/10  
DJS

Resc/Rel 3/2/10  
Natural Cold Stress

"Dewey"

## GENERAL:

Date of Rescue: 22 January 2010	Date of Initial Call: 20 January 2010	Filed by: A. Spellman
Rescue ID#: REC1004	Facility ID: SWFTm1004	FWC Case: None
Sex: Female	Length: 26.5cm	Estimated: No
PIT Tag Applied:	PIT Tag Present: Yes	#R 00-0671-E7BE
		L 00-0671-CF87
LOCATION:		
State: FL	City: Vero Beach	County: Indian River
Latitude (Decimal Degrees): 27.652223°N		Waterway: Indian River
Longitude (Decimal Degrees): -80.382277°W		
Locality Description: In canal between Calcutta Dr. and Nassau Dr. at the intersection of Golfview Dr.		
Method of Capture: Net set from land		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☐ Y ☐ N



## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
20 January 2010, at 1600 hrs:	FWC-biologist C. Rush (CNR) responded to a page from FWC-dispatch Orlando regarding a canal full of cold stressed manatees in Vero Beach. CNR contacted the complainant, Beth Powell (BP) (772-633-5471) for further information. BP informed CNR that there were approximately a dozen or more manatees in a canal that had white spots on their faces and they all seemed lethargic. There were a few mom and calf pairs that "didn't look normal." CNR requested that BP call her the following day if they were still in the same canal.
21 January 2010, at 1000 hrs:	CNR received a call on her Nextel from BP regarding the same manatees. The manatees were still in the canal, but seemed to be more active. CNR contacted FWC-Volunteer S. Cox (SC) to see if he could verify the situation given the ECFL work load. SC verified that the manatees appeared to have an adequate amount of cold stress and advised CNR that she should take a look. CNR verified that the manatees were cold stressed and should be rescued. CNR contacted FWC-biologist A. Spellman (ACS) to notify her of the situation. CNR documented the manatees as best she could in the poor lighting conditions. CNR requested that BP contact her first thing the following morning if the manatees were still in the canal.

## Rescue Report

22 January 2010, at  
0900 hrs:

BP contacted CNR to inform her that the manatees were still there. CNR passed the information to ACS. CNR agreed to meet ACS at the canal in Vero Beach after recovering two carcasses.

ACS arrived on site At 1030hrs to find several cold-stressed manatees in a canal filled with thousands of large, dead snook and numerous other fish species. Two mother -calf pairs were easily discernible and both were in need of extraction and medical attention. There were some 14 other manatees in canal as well. The water temperature in the canal registered at 72°F but there was no vegetation available and no nearby warmer waters meaning that the animals in their compromised state had no choice but to leave the warmer canal if they wished to feed. River water temperatures were around 55°F and weather forecasts indicated more severe cold weather to come. ACS initiated a rescue call to SWF to ask for additional help with catching at least one of the pairs that day. SWF agreed to send a crew. ACS also recruited the help of BP and SC to help keep track of the manatees. CNR arrived to assist and SWF staff arrived at approximately 1400hrs. After assessing the situation with SWF-S. Lehr, CNR along with the SWF crew went to launch the rescue boat at McWilliam Park. ACS stayed with the animals to keep track of the correct ones. Upon arrival of the rescue boat at the canal, an attempt was made to approach the north end where the manatees were aggregated and to separate one of the pairs. The manatees quickly swam past the boat and out to the open end of the canal. A couple of attempts were made to net them in that area but were unsuccessful with the manatees eventually swimming back down the canal. ACS and BP entered the water and tried several times to work the manatees back down to the open end and the waiting rescue boat. These attempts were futile. ACS discussed setting up a land set with the FWC net at the original location where the manatees had been spotted as a back-up in case they ended up back at that end again. While ACS went to set up the net and extend a line attached to it across the north end, SWF staff along with CNR continued to try and corral the pair. Eventually the pair did make its way back down to where ACS was waiting with a net. Once inside the net's range, ACS and BP pulled the net across the canal effectively preventing the pair and another manatee from swimming back out the canal. Once the net was in place, SWF brought their boat in and secured it to a nearby dock. A second back up net was deployed with the intent of using FWC's net to encircle the pair and to let the third manatee out if possible while assuring the pair did not escape. Once the third manatee hit the net it was worked out and efforts turned to encircling the mother-calf pair. Fading light made the capture difficult but eventually the female was captured in the FWC net. With some effort she was worked onto the SWF boat while the SWF net effectively kept the calf within the net set. By this time it was dark and staff had to work by feel and sound (the calf coming up to catch a breath) to locate the calf. Within an hour of the sun setting, staff

## Rescue Report

had captured the calf using the hoop net and hoisted it onto the boat as well. The SWF staff took off for the boat ramp while ACS and volunteers pulled all remaining nets out of the water and loaded equipment into the FWC truck. ECFL staff met SWF at the boat ramp and quickly photographed and scanned the manatees for PIT tags. The female came up positive. Both manatees were loaded into the SWF truck and taken to the park for medical evaluation and care. Plans were made to catch the other pair the following day if they returned to the canal. Before returning home, ACS returned to the office and verified the PIT tag numbers as those of a known animal "Dewey"- a previous rescue in Brevard County for crab-trap entanglement in 2005.

### Participants

FWC: A. Spellman., C. Rush, S. Cox (FWC Volunteer)

SWF Animal Care Staff

IRC Parks and Rec.: B. Powell

### **REC1004**

Attachments: map

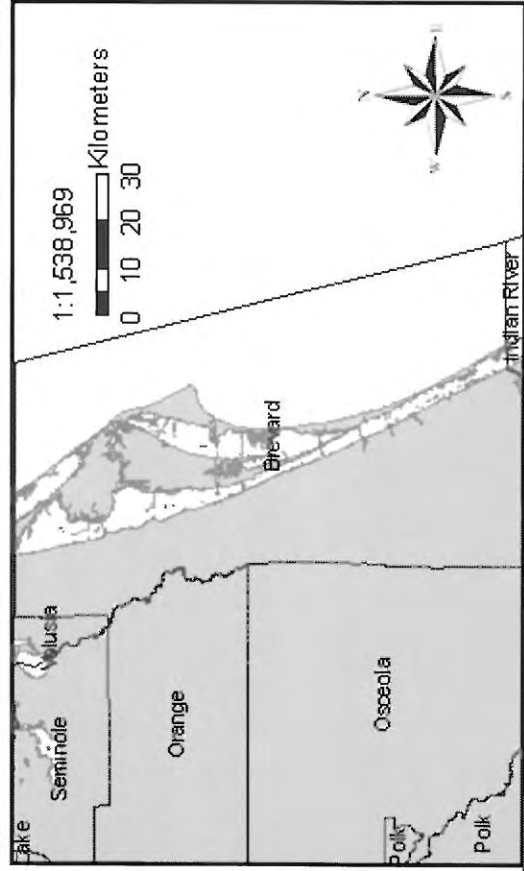
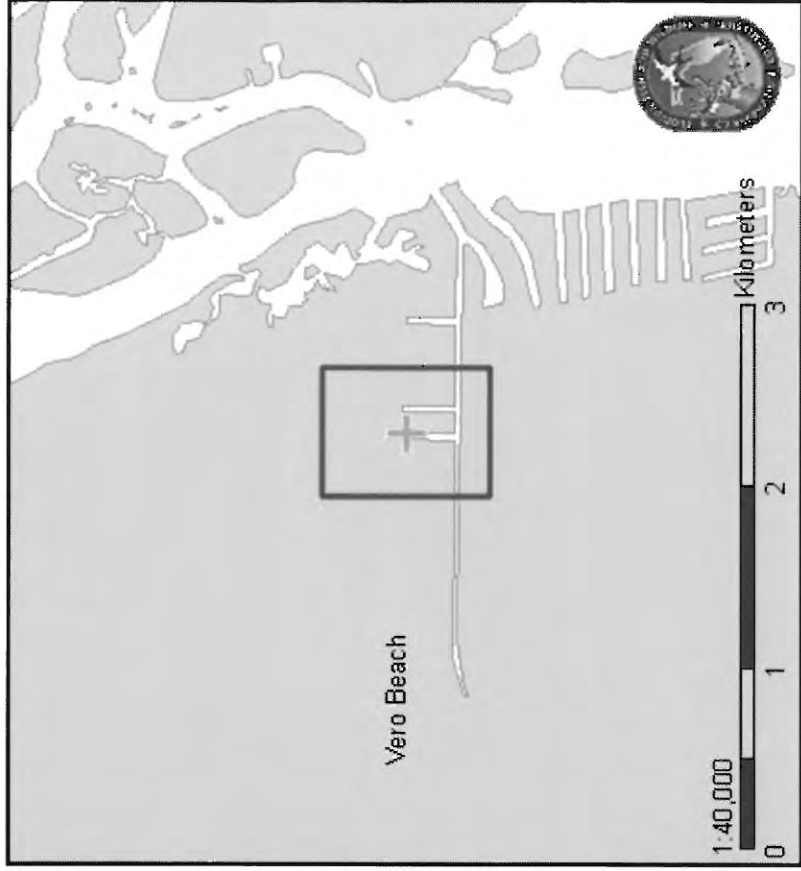
Photographs: FWC008\_7191-7203,14-27, 39-42, 60-63, 84-7300, 273:7301-22

Cc: L. Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF





# Verified Rescue Location of Manatee REC1004/SWFTm1004b



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
20	1	2010	REC1004	27.652223	-80.387277	1/22/2010	FWC,SWF	CHIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Christine Rush, Biological Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 18 March 2010

**SUBJECT:** The rescue of a cold-stressed, adult, female manatee, a known animal "Dewey", (and her cold-stressed dependent calf -see REC1005/SWFTm1005 report) from Vero Beach, Indian River County on 22 Mar 2010 (**REC1004/SWFTm1004**).

The attached rescue report for **REC1004** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
9/13/10  
DSResc/Rel  
3/2/10**Manatee Information** (MLog:615 )Animal ID: **SWFTm0513B** Sex: **F** Name: **Dewey** Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 01/22/2010 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Stable**Suspected Pregnant:** No information on potential pregnancy is known

## -- Rescue Location Information -----

**State:** FL **County:** Indian River **City:** Vero Beach, FL**Waterway:** Indian River**Latitude:** 27.652223 **Longitude:** -80.387277**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 407 **Estimated Weight?:** No **Date Weighed:** 01/22/2010**Length (cm):** 265 **Estimated Length?:** No **Date Measured:** 01/22/2010

## -- Other Rescue Information -----

**Tracker:** **Transporter:** SeaWorld Florida**Facility transported to:** SeaWorld Florida**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Flood Gate:** **Pot Status:****Additional Narrative:** Animal was bought in with her calf (SWFTm1005B)

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 02/11/2010**Updated By:** D **Updated Date:** 02/11/2010SWFTm1004b  
REC1004  
(SWFTm0513B)



**Manatee Information (MLog:615 )**Animal ID:**SWFTm0513B** Sex:**F** Name:**Dewey** Rearing:**Wild reared****-- Release Information -----****Release Date:** 03/02/2010**-- Release Location Information -----****Release Site:** Lake Worth Lagoon**State:** FL **County:** Palm Beach **City:** Lake Worth, FL**Waterway:** Lake Worth Lagoon**-- Measurement -----****Weight (kg):** 439 **Estimated Weight?:** No **Date Weighed:** 02/12/2010**Length (cm):** 265 **Estimated Length?:** No **Date Measured:** 02/12/2010**-- Other Release Information -----****Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?** Yes**Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:****Veterinarian:** Scott Gearhart**Organization:** SeaWorld Florida**Participating Org:** FWC-Tequesta Field Lab SeaWorld Florida**Additional Narrative:** Dewey was rescued on 1/27/2010 along with her calf "Barros" (SWFTm1005B) both rescued due to cold stress from Vero Beach**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 03/02/2010**Updated By:** D **Updated Date:** 03/02/2010

# SeaWorld saves manatee mom and calf

Advertisement

Release

Updated: Wednesday, 03 Mar 2010, 10:29 AM EST  
Published : Wednesday, 03 Mar 2010, 10:29 AM EST

SWFTM1004B  
"Dewey"SWFTM1005B  
"Barros"

PALM BEACH COUNTY, Fla. (WOFL FOX 35) - SeaWorld's Manatee Rescue Team released a female manatee and her calf Tuesday into the waters of North Palm Beach. The two were rescued earlier this year during Florida's unseasonably frigid and prolonged winter.

The pair were the first two manatees to return to the wild after SeaWorld performed seven cold-weather related rescues during a two-week span in January. Dewey, who is 9 feet long and weighs 895 lbs., and her calf Barros, who is 4 feet long and weighs 205 lbs., were rescued from a canal in Vero Beach, Fla. on Friday, January 22. They spent the last five weeks recovering at SeaWorld's Manatee Rehabilitation Center where they were warmed up and treated by park veterinarians and animal care specialists.

## Szemer, Donna

---

**From:** Segelson, Carli  
**Sent:** Monday, March 01, 2010 3:22 PM  
**To:** Bailey, Rhonda; Davis, Michelle; FWRI-Mammals  
**Subject:** FW: FWC Media Event- 3 manatees to be released  
**Attachments:** 3manateesreleasedadvisory1-FINAL.doc

FYI – Media advisory

---

**From:** Ferraro, Gabriella  
**Sent:** Monday, March 01, 2010 3:20 PM  
**Subject:** FWC Media Event- 3 manatees to be released

SWFTM1004B  
"Dewey"

### FWC Media Event 3 manatees to be released

**Tuesday, March 2**  
**10 a.m. (mother and calf)**  
**11 a.m. (pregnant female)**  
**Anchorage Park**  
**603 Anchorage Drive**  
**North Palm Beach**

Biologists with the Florida Fish and Wildlife Conservation Commission's (FWC) Fish and Wildlife Research Institute will release three rehabilitated manatees – a mother and calf, and a pregnant female – Tuesday, March 2, in North Palm Beach.

When rescued in January from a canal in Indian River County, the mother and calf exhibited signs of cold-stress. As a result, they were taken to Sea World for rehabilitation. Since then, the manatees' health has greatly improved, and they have been cleared for release.

SWFTM1004B - "Dewey"  
SWFTM1005B - "Barros"

The pregnant female was rescued in Brevard County in December 2009, after she had become entangled. She lost a flipper as a result of the entanglement. She was taken to Miami Seaquarium for rehabilitation. She has also been cleared for release.

- M5TH0912

"Indiana"

The FWC invites the media to cover the release and speak with biologists.

Contact: Gabriella Ferraro, 772-215-9459

-30-

GBF/SRO  
WBD

**Gabriella B. Ferraro**  
**Public Information Coordinator, FWC South Region**  
561-625-5122 office

# The Palm Beach Post

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## 3 manatees on the mend released in North Palm Beach

By **BILL DIPAOLO**

Palm Beach Post Staff Writer

Updated: 6:46 a.m. Wednesday, March 3, 2010

Posted: 1:02 p.m. Tuesday, March 2, 2010

Pregnant and without her left flipper, a 1,300-pound manatee was released to freedom Tuesday morning. - MSTM0912

"She was so precious. I thought her skin would be smooth, like a dolphin," said Rhode Island resident Jackie McConnell, who braved rainy skies to get her first look at a wrinkly skinned sea cow. Indiana

The gray, 9-foot manatee was found in December entangled in a crab pot near Titusville.

Since then, she has been fed lettuce and received wound care at the Miami Seaquarium, said John Cassady, manatee biologist at the Florida Fish and Wildlife Conservation Commission.

"Her flipper will heal fine. Manatees have no problem living with one flipper in the wild," he said.

About an hour later, a mother and her calf were released in the same location.

-SWFTM1004B- Dewey  
-SWFTM1005B- Barros

The manatees were released despite a lingering chill that has killed 77 manatees suffering from cold stress this year. That exceeds the previous record of 56 in 2009.

The cold this year probably also contributed to the deaths of several newborn manatees classified as "perinatal," according to the wildlife commission's Web site.

But waters have warmed since January, and the deep-water area of the canal where the manatees were released is warm, Cassady said.

"We want the pregnant manatee to have her calf in the wild," he said.

Biologists don't name manatees, said Gabriella Ferraro, spokeswoman for the commission. "We don't want people to see them as pets."

Anyone who sees a sick or dead manatee should call the commission's manatee hot line at (888) 404-3922 .

Find this article at:

Print this page

Close

<http://www.palmbeachpost.com/news/3-manatees-on-the-mend-released-in-north-309579.html>





# Rescue Report

Updated  
3/14/10  
JSS

Recd/Rel  
3/2/11

## GENERAL:

"Barros"

Natural  
Cold Stress

Date of Rescue: 22 January 2010 Date of Initial Call: 20 January 2010 Filed by: A. Spellman  
Rescue ID#: REC1005 Facility ID: SWFTm1005 FWC Case: N/A Officer Name: N/A  
Sex: Male Length: 150cm Estimated: No  
PIT Tag Applied: PIT Tag Present: No #R L  
LOCATION:  
State: FL City: Vero Beach County: Indian River Waterway: Indian River  
Latitude (Decimal Degrees): 27.652223°N Longitude (Decimal Degrees): -080.387277°W  
Locality Description: In canal between Calcutta Dr. and Nassau Dr. at the intersection of Golfview Dr.  
Method of Capture: Net set from land

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☒ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
20 January 2010, at 1600 hrs:	FWC-biologist C. Rush (CNR) responded to a page from FWC-dispatch Orlando regarding a canal full of cold stressed manatees in Vero Beach. CNR contacted the complainant, Beth Powell (BP) (772-633-5471) for further information. BP informed CNR that there were approximately a dozen or more manatees in a canal that had white spots on their faces and they all seemed lethargic. There were a few mom and calf pairs that "didn't look normal." CNR requested that BP call her the following day if they were still in the same canal.
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## Rescue Report

22 January 2010, at  
0900 hrs:

BP contacted CNR to inform her that the manatees were still there. CNR passed the information to ACS. CNR agreed to meet ACS at the canal in Vero Beach after recovering two carcasses.

ACS arrived on site At 1030hrs to find several cold-stressed manatees in a canal filled with thousands of large, dead snook and numerous other fish species. Two mother -calf pairs were easily discernible and both were in need of extraction and medical attention. There were some 14 other manatees in canal as well. The water temperature in the canal registered at 72°F but there was no vegetation available and no nearby warmer waters meaning that the animals in their compromised state had no choice but to leave the warmer canal if they wished to feed. River water temperatures were around 55°F and weather forecasts indicated more severe cold weather to come. ACS initiated a rescue call to SWF to ask for additional help with catching at least one of the pairs that day. SWF agreed to send a crew. ACS also recruited the help of BP and SC to help keep track of the manatees. CNR arrived to assist and SWF staff arrived at approximately 1400hrs. After assessing the situation with SWF-S. Lehr, CNR along with the SWF crew went to launch the rescue boat at McWilliam Park. ACS stayed with the animals to keep track of the correct ones. Upon arrival of the rescue boat at the canal, an attempt was made to approach the north end where the manatees were aggregated and to separate one of the pairs. The manatees quickly swam past the boat and out to the open end of the canal. A couple of attempts were made to net them in that area but were unsuccessful with the manatees eventually swimming back down the canal. ACS and BP entered the water and tried several times to work the manatees back down to the open end and the waiting rescue boat. These attempts were futile. ACS discussed setting up a land set with the FWC net at the original location where the manatees had been spotted as a back-up in case they ended up back at that end again. While ACS went to set up the net and extend a line attached to it across the north end, SWF staff along with CNR continued to try and corral the pair. Eventually the pair did make its way back down to where ACS was waiting with a net. Once inside the net's range, ACS and BP pulled the net across the canal effectively preventing the pair and another manatee from swimming back out the canal. Once the net was in place, SWF brought their boat in and secured it to a nearby dock. A second back up net was deployed with the intent of using FWC's net to encircle the pair and to let the third manatee out if possible while assuring the pair did not escape. Once the third manatee hit the net it was worked out and efforts turned to encircling the mother-calf pair. Fading light made the capture difficult but eventually the female was captured in the FWC net. With some effort she was worked onto the SWF boat while the SWF net effectively kept the calf within the net set. By this time it was dark and staff had to work by feel and sound (the calf coming up to catch a breath) to locate the calf. Within an hour of the sun setting, staff had captured the calf using the hoop net and hoisted it onto the boat as well. The SWF staff took off for the boat ramp while ACS and volunteers pulled all

## Rescue Report

The SWF staff took off for the boat ramp while ACS and volunteers pulled all remaining nets out of the water and loaded equipment into the FWC truck. ECFL staff met SWF at the boat ramp and quickly photographed and scanned the manatees for PIT tags. The female came up positive. Both manatees were loaded into the SWF truck and taken to the park for medical evaluation and care. Plans were made to catch the other pair the following day if they returned to the canal. Before returning home, ACS returned to the office and verified the PIT tag numbers as those of a known animal "Dewey"- a previous rescue in Brevard County for crab-trap entanglement in 2005.

### Participants

REC1005

Attachments: map

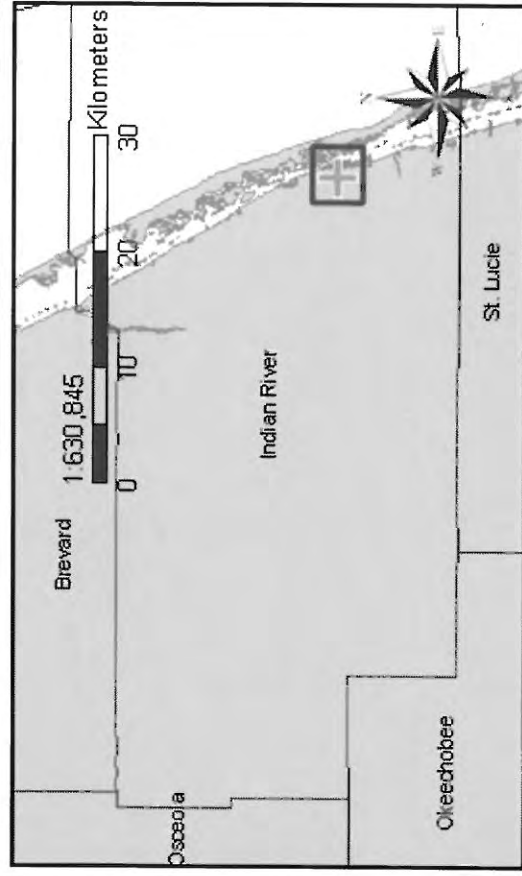
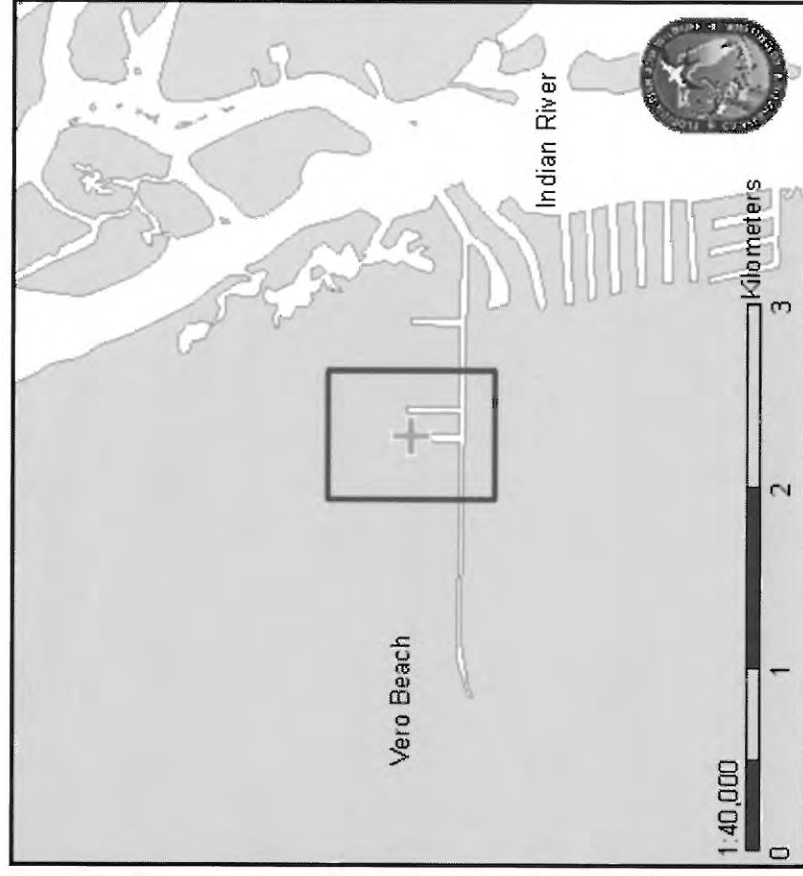
Photographs: FWC008\_7191-7203,14-27, 39-42, 60-63, 84-7300, 273:7301-22

Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF





# Verified Rescue Location of Manatee REC1005/SWFTm1005b



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
20	1	2010	REC1004	27.652223	-80.387277	1/22/2010	FWC,SWF	CHIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 18 March 2010

**SUBJECT:** The rescue of a cold-stressed, dependent male calf adult, (and a female manatee, a known animal "Dewey", -see REC1004/SWFTm1004 report) from Vero Beach, Indian River County on 22 January 2010. (REC1005/SWFTm1005).

The attached rescue report for **REC1005** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
4/13/10  
SSResc/Rel  
3/2/10**Manatee Information (MLog:1144 )**Animal ID: **SWFTm1005B** Sex: **M** Name: Rearing: **Wild reared**"Barros"

## -- Rescue Information -----

**Rescue Date:** 01/22/2010 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:** Calf of Rescued Mother**Secondary Cause Text:****Health Status:** Stable**Suspected Pregnant:** Animal sex is male or unknown

## -- Rescue Location Information -----

**State:** FL **County:** Indian River **City:** Vero Beach, FL**Waterway:** Indian River**Latitude:** 27.652239 **Longitude:** -80.387337**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 93 **Estimated Weight?:** No **Date Weighed:** 01/22/2010**Length (cm):** 150 **Estimated Length?:** No **Date Measured:** 01/22/2010

## -- Other Rescue Information -----

**Tracker:** **Transporter:** SeaWorld Florida**Facility transported to:** SeaWorld Florida**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Flood Gate:** **Pot Status:****Additional Narrative:** Animal was rescued and brought in with rescued mom (Dewey) also suffering from cold stress.

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 02/11/2010**Updated By:** D **Updated Date:** 02/11/2010REC1005

**Manatee Information (MLog:1144 )**Animal ID:**SWFTm1005B** Sex:**M** Name:**Barros** Rearing:**Wild reared****-- Release Information -----****Release Date:** 03/02/2010**-- Release Location Information -----****Release Site:** Lake Worth Lagoon**State:** FL **County:** Palm Beach **City:** Lake Worth, FL**Waterway:** Lake Worth Lagoon**-- Measurement -----****Weight (kg):** 106 **Estimated Weight?:** No **Date Weighed:** 02/20/2010**Length (cm):** 150 **Estimated Length?:** No **Date Measured:** 02/20/2010**-- Other Release Information -----****Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?** Yes**Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:****Veterinarian:** Scott Gearhart**Organization:** SeaWorld Florida**Participating Org:** FWC-Tequesta Field Lab SeaWorld Florida**Additional Narrative:** Animal was originally rescued along with mother "Dewey" (SWFTm1004B) both due to cold stress from Vero Beach. Both have been together during rehab, Barros was observed still nursing from mom as well as eating solid food (lettuce).**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 03/02/2010**Updated By:** D **Updated Date:** 03/02/2010



**Manatee Information (MLog:1144 )**Animal ID:**SWFTm1005B** Sex:**M** Name:**Barros** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 02/20/2010    **Tag ID** 0006E963FF**Tag ID** 0006E963FF**Information:** Pit tagged in left shoulder area.**Event:** Rescue    **Event Date** 01/22/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 02/21/2010**Updated By:** Donna Szemer    **Updated Date:** 02/22/2010*Entered  
PIT + Capture  
DVS*

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 02/20/2010    **Tag ID** 0006E90AC2**Tag ID** 0006E90AC2**Information:** Pit tagged in right shoulder area**Event:** Rescue    **Event Date** 01/22/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 02/21/2010**Updated By:** Donna Szemer    **Updated Date:** 02/22/2010

# SeaWorld saves manatee mom and calf

Advertisement

Release

Updated: Wednesday, 03 Mar 2010, 10:29 AM EST  
Published : Wednesday, 03 Mar 2010, 10:29 AM EST

PALM BEACH COUNTY, Fla. (WOFL FOX 35) - SeaWorld's Manatee Rescue Team released a female manatee and her calf Tuesday into the waters of North Palm Beach. The two were rescued earlier this year during Florida's unseasonably frigid and prolonged winter.

SWFTM1004B  
"Dewey"

SWFTM1005B  
"Barros"

The pair were the first two manatees to return to the wild after SeaWorld performed seven cold-weather related rescues during a two-week span in January. Dewey, who is 9 feet long and weighs 895 lbs., and her calf Barros, who is 4 feet long and weighs 205 lbs., were rescued from a canal in Vero Beach, Fla. on Friday, January 22. They spent the last five weeks recovering at SeaWorld's Manatee Rehabilitation Center where they were warmed up and treated by park veterinarians and animal care specialists.

**Szemer, Donna**

---

**From:** Segelson, Carli  
**Sent:** Monday, March 01, 2010 3:22 PM  
**To:** Bailey, Rhonda; Davis, Michelle; FWRI-Mammals  
**Subject:** FW: FWC Media Event- 3 manatees to be released  
**Attachments:** 3manateesreleasedadvisory1-FINAL.doc

FYI – Media advisory

---

**From:** Ferraro, Gabriella  
**Sent:** Monday, March 01, 2010 3:20 PM  
**Subject:** FWC Media Event- 3 manatees to be released

SWFTM1005B  
"Barros"

**FWC Media Event  
3 manatees to be released**

**Tuesday, March 2  
10 a.m. (mother and calf)  
11 a.m. (pregnant female)  
Anchorage Park  
603 Anchorage Drive  
North Palm Beach**

Biologists with the Florida Fish and Wildlife Conservation Commission's (FWC) Fish and Wildlife Research Institute will release three rehabilitated manatees – a mother and calf, and a pregnant female – Tuesday, March 2, in North Palm Beach.

When rescued in January from a canal in Indian River County, the mother and calf exhibited signs of cold-stress. As a result, they were taken to Sea World for rehabilitation. Since then, the manatees' health has greatly improved, and they have been cleared for release.

SWFTM1004B - "Dewey"  
SWFTM1005B - "Barros"

The pregnant female was rescued in Brevard County in December 2009, after she had become entangled. She lost a flipper as a result of the entanglement. She was taken to Miami Seaquarium for rehabilitation. She has also been cleared for release.

- MSTM0912

"Indiana"

The FWC invites the media to cover the release and speak with biologists.

Contact: Gabriella Ferraro, 772-215-9459

-30-

GBF/SRO  
WBD

**Gabriella B. Ferraro**  
**Public Information Coordinator, FWC South Region**  
561-625-5122 office

# The Palm Beach Post

Print this page

Close

## 3 manatees on the mend released in North Palm Beach

By **BILL DIPAOLO**

Palm Beach Post Staff Writer

Updated: 6:46 a.m. Wednesday, March 3, 2010

Posted: 1:02 p.m. Tuesday, March 2, 2010

Pregnant and without her left flipper, a 1,300-pound manatee was released to freedom Tuesday morning. - MSTM0912

"She was so precious. I thought her skin would be smooth, like a dolphin," said Rhode Island resident Jackie McConnell, who braved rainy skies to get her first look at a wrinkly skinned sea cow. Indiana

The gray, 9-foot manatee was found in December entangled in a crab pot near Titusville.

Since then, she has been fed lettuce and received wound care at the Miami Seaquarium, said John Cassady, manatee biologist at the Florida Fish and Wildlife Conservation Commission.

"Her flipper will heal fine. Manatees have no problem living with one flipper in the wild," he said.

About an hour later, a mother and her calf were released in the same location.

-SWFTM1004B- Dewey  
-SWFTM1005B- Barros

The manatees were released despite a lingering chill that has killed 77 manatees suffering from cold stress this year. That exceeds the previous record of 56 in 2009.

The cold this year probably also contributed to the deaths of several newborn manatees classified as "perinatal," according to the wildlife commission's Web site.

But waters have warmed since January, and the deep-water area of the canal where the manatees were released is warm, Cassady said.

"We want the pregnant manatee to have her calf in the wild," he said.

Biologists don't name manatees, said Gabriella Ferraro, spokeswoman for the commission. "We don't want people to see them as pets."

Anyone who sees a sick or dead manatee should call the commission's manatee hot line at (888) 404-3922 .

Find this article at:

Print this page

Close

<http://www.palmbeachpost.com/news/3-manatees-on-the-mend-released-in-north-309579.html>





# Rescue Report

Resc / Rel  
3/25/10  
Natural  
Cold  
Stress

Entered  
4/13/10  
255

## GENERAL:

Date of Rescue: 23 January 2010 Date of Initial Call: 20 January 2010 Filed by: C. Rush  
Rescue ID#: REC1006/SWFTm1006b Facility ID: MSTm1005 FWC Case: N/A Officer Name: N/A  
Sex: Female Length: 120 cm Estimated: No  
PIT Tag Applied: No PIT Tag Present: #R L "Wrinkles"  
LOCATION:  
State: FL City: Vero Beach County: Indian River Waterway: Indian River  
Latitude (Decimal Degrees): 27.652181°N Longitude (Decimal Degrees): -080.386113°W  
Locality Description: Vero Beach, behind 3014 Nassau Dr.  
Method of Capture: Net set from land and boat.

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm  
Comments:

Gear Retained? ☒ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
20 January 2010, at 1600 hrs:	FWC-biologist C. Rush (CNR) responded to a page from FWC-dispatch Orlando regarding a canal full of cold stressed manatees in Vero Beach. CNR contacted the complainant, Beth Powell (BP) (772-633-5471) for further information. BP informed CNR that there were approximately a dozen or more manatees in a canal that had white spots on their faces and they all seemed lethargic. There were a few mom and calf pairs that "didn't look normal." CNR requested that BP call her the following day if they were still in the same canal.
21 January 2010, at 1000 hrs:	CNR received a call on her Nextel from BP regarding the same manatees. The manatees were still in the canal, but seemed to be more active. CNR contacted FWC-Volunteer S. Cox (SC) to see if he could verify the situation given the ECFL work load. SC verified that the manatees appeared to have an adequate amount of cold stress and advised CNR that she should take a look. CNR verified that the manatees were cold stressed and should be rescued. CNR contacted FWC-biologist A. Spellman (ACS) to notify her of the situation. CNR documented the manatees as best she could in the poor lighting conditions. CNR requested that BP contact her first thing the following morning if the manatees were still in the canal.

## Rescue Report

BP contacted CNR to inform her that the manatees were still there. CNR passed the information to ACS. CNR agreed to meet ACS at the canal in Vero Beach after recovering two carcasses.

22 January 2010, at  
0900 hrs:

ACS arrived on site At 1030hrs to find several cold-stressed manatees in a canal. Two mother -calf pairs were easily discernible and both were in need of extraction and medical attention. There were some 14 other manatees in canal as well. The water temperature in the canal registered at 72°F but there was no vegetation available and no nearby warmer waters meaning that the animals in their compromised state had no choice but to leave the warmer canal if they wished to feed. River water temperatures were around 55°F and weather forecasts indicated more severe cold weather to come. A rescue was carried out on the less critical mom and calf pair since they were the only ones that stayed in the canal. CNR requested that BP contact her in the following morning if the other critical mom-calf pair returned to the canal.

23 January 2010, at  
1000 hrs:

BP contacted CNR to inform her that the mom-calf pair had returned. CNR was recovering multiple carcasses with FWC-biologist M. Lizotte (MEL). CNR immediately contacted SWF to get the rescue crew moving towards Vero Beach. Meanwhile, CNR contacted FWC-biologist R. Berger (RWB) to request the use of the NEFL transport vehicle. RWB informed CNR that he and FWC-biologist J. Price were also able to assist in the rescue. CNR also contacted FWC-T. Reinert (TRR) to inform him of the situation. TRR also offered to assist with the rescue if needed since he was going to be in the area. TRR contacted Miami Seaquarium to request meeting FWC staff near Vero to avoid the timely transport of the manatees once captured.

CNR arrived at the canal off of Calcutta Dr., and documented the manatees until she met SWF at the McWilliams Boat Ramp. While motoring over to the canal, BP and SC lost sight of the manatee pair. After searching for approximately 20 minutes, the pair was located in the canal just east of where they were initially sighted. The rescue crew located the manatees at the dead end of the canal and slowly approached the pair. A few SWF staff members got off the boat to hold one end of the net at the shoreline while the boat slowly made a diagonal across the canal, where CNR got off the boat to hold the net along the other shoreline. Then SWF-JP continued the set with the boat to the north shore. The net was slowly walked into a circle as the crew re-boarded the boat. The calf hit the edge of the net first, quickly picked up and taken to shore by CNR and SWF staff. The mom was then brought on board by the rest of the SWF crew. Meanwhile, CNR was attempting to stimulate a breath from the calf, but was unsuccessful. The mother was brought onto land next to her calf, but the calf still refused to take a breath and was beginning to struggle. CNR and JP rushed the calf back into the water, holding it in place with her pectoral flippers against her body. The calf finally began to calm down and breathe. After the calf calmed down, another attempt was made to place the calf by her mom's head, but she refused to breathe again. On-lookers were attempting to

## Rescue Report

find a baby pool, or something that the baby could be transported in. After no success, CNR contacted MEL to inform her that she needed the large carcass cooler to act as a make-shift pool for transport to the Miami Seaquarium. MEL and FWC-Volunteer K. Rudisill (KAR) were in Sebastian picking up another carcass. Approximately a half hour later, MEL and RWB quickly cleaned the carcass cooler and filled it with warm water. The calf was brought up and placed into the cooler. The calf appeared to adjust well, but needed someone constantly supporting it as it came up for a breath. Mom and calf were loaded into the transport vehicle and taken to Fort Pierce where FWC staff met Miami Seaquarium. CNR, MEL, KAR, TRR, RWB and J. Price, along with Miami staff transferred the manatees over to the other vehicle for the remainder of the transport.

### Participants

FWC: C. Rush, M. Lizotte, K. Rudisill, J. Price, R. Berger, T. Reinert

SeaWorld Animal Care Staff

REC1006

Attachments: map

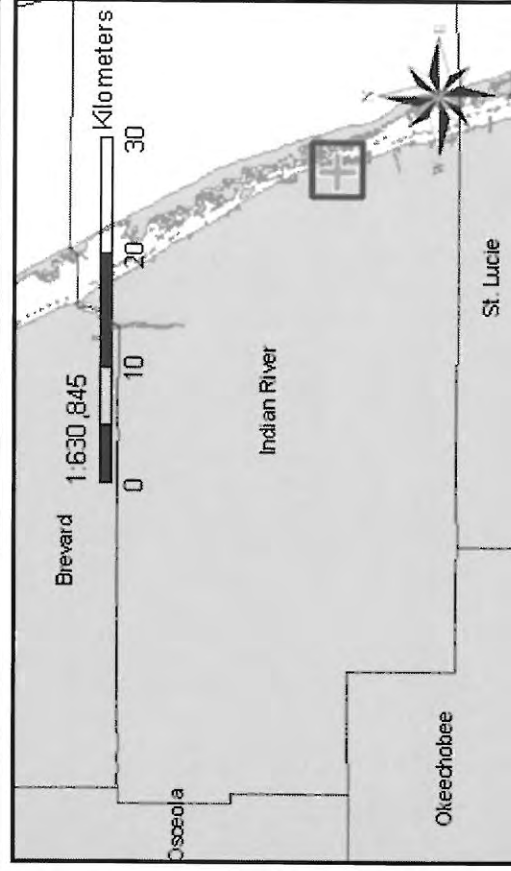
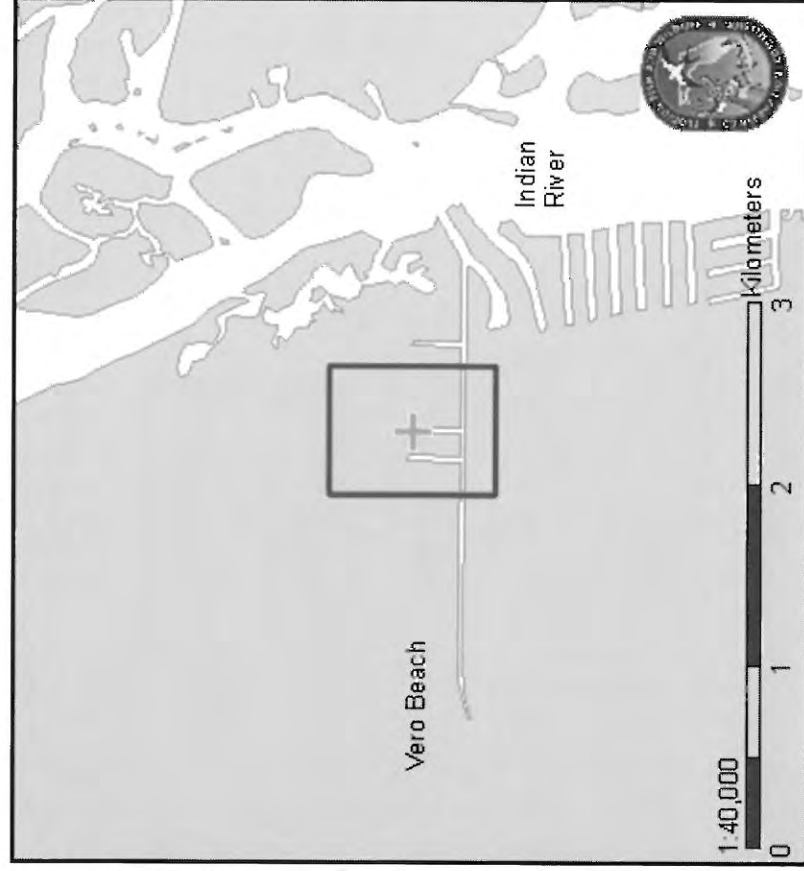
Photographs: attached

Cc: L. Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF





# Verified Rescue Location of Manatee REC1006/SWFTm1006



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
20	1	2010	REC1006	27.652181	-80.386113	1/23/2010	FWC,SWF	CHIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 03 June 2010

**SUBJECT:** The rescue of a cold-stressed, dependent female calf, (and a female manatee, - see REC1007/SWFTm1007/MS1004 report) from Vero Beach, Indian River County on 23 January 2010. (REC1006/SWFTm1006/MS1005).

The attached rescue report for **REC1006** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
4/13/10  
DSSRec'd  
3/25/11**Manatee Information (MLog:1139 , Dam:1138 )**Animal ID:**MSTM1005** Sex:**F** Name:**Wrinkles** Rearing:**Wild reared**

## -- Rescue Information -----

**Rescue Date:** 01/23/2010 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** Animal is known not to be pregnant

## -- Rescue Location Information -----

**State:** FL **County:** Indian River **City:** Vero Beach**Waterway:** ~~Intercoastal~~ Indian River Lagoon**Latitude:** 27.652181 **Longitude:** -80.386113**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 43 **Estimated Weight?:** No **Date Weighed:** 01/23/2010**Length (cm):** 120 **Estimated Length?:** No **Date Measured:** 01/23/2010

## -- Other Rescue Information -----

**Tracker:** **Transporter:** FWC Indian River Field Station**Facility transported to:** Miami Seaquarium**Veterinarian:** Maya Rodriguez **Organization:** Miami Seaquarium**Participating Org:** FWC**Flood Gate:** **Pot Status:****Additional Narrative:** Mom and calf caught; calf with cold stress; lesions in nasal passages; breathing hard/stressed; had to transport in cooler with water while holding up to breath

## -- Report Information -----

**Created By:** Jodi Linnvill **Created Date:** 01/29/2010**Updated By:** D **Updated Date:** 01/29/2010SWFTM10066  
REC1006

**Manatee Information** (MLog:1139 , Dam:1138 )Animal ID:**MSTM1005** Sex:**F** Name:**Wrinkles** Rearing:**Wild reared**

## -- Release Information -----

**Release Date:** 03/25/2010

## -- Release Location Information -----

**Release Site:** MacArthur Beach State Park**State:** FL **County:** Palm Beach **City:** North Palm Beach**Waterway:** ~~ICW~~ Lake Worth

## -- Measurement -----

**Weight (kg):** 49 **Estimated Weight?:** Yes **Date Weighed:** 03/22/2010**Length (cm):** 130 **Estimated Length?:** No **Date Measured:** 03/22/2010

## -- Other Release Information -----

**Display Water Type:** Brackish/Saltwater**Release Water Type:** Brackish/Saltwater**How many months has animal been exposed to release water type?** 02**Is animal bottom feeding?** Yes**Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:****Veterinarian:** Maya Rodriguez**Organization:** Miami Seaquarium**Participating Org:****Additional Narrative:** Wrinkles is being released with her mom, Fortress (MSTM1004);  
Actual weight: 98 lbs. (44 kg) on 03/25/10

## -- Report Information -----

**Created By:** Jodi Linvill **Created Date:** 03/27/2010**Updated By:** D **Updated Date:** 03/27/2010



**Manatee Information (MLog:1139 , Dam:1138 )**Animal ID:**MSTM1005** Sex:**F** Name:**Wrinkles** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 03/22/2010    **Tag ID** 0006957E9E**Tag ID** 0006957E9E**Information:****Event:** Release    **Event Date** 03/25/2010

## -- Report Information -----

**Created By:** Jodi Linvill    **Created Date:** 03/27/2010**Updated By:** D    **Updated Date:** 03/27/2010*Entered  
PIT +  
Captiv  
4/14/10  
255*

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 03/22/2010    **Tag ID** 0006958ED5**Tag ID** 0006958ED5**Information:****Event:** Release    **Event Date** 03/25/2010

## -- Report Information -----

**Created By:** Jodi Linvill    **Created Date:** 03/27/2010**Updated By:** D    **Updated Date:** 03/27/2010

## Szemer, Donna

---

**From:** Cassady, John  
**Sent:** Thursday, March 25, 2010 4:38 PM  
**To:** Szemer, Donna; mayadvn@msn.com  
**Subject:** Releases

Quick update on the releases today.

All released at JD MacArthur State Park (26.815939N, -80.038475W)

MSTm0606/RSE0614 (Senora)- Total length (straight)= 306cm ✓  
Girth at Umbilicus= 247cm  
Weight= 622.3kg ✓

MSTm1004/REC1007 (Fortress)- Total length (straight)= 262cm  
Girth at Umbilicus= 191cm  
Weight= 411.4kg

MSTm1005/REC1006 (Wrinkles)- Total length (straight)= 120cm  
Girth at Umbilicus= 99cm  
Weight= 44.5kg

I will try to get the full reports finished tomorrow.

John Cassady  
Manatee Research Staff  
Fish and Wildlife Research Institute  
Florida Fish and Wildlife Conservation Commission  
19100 S.E. Federal Hwy.  
Tequesta, FL. 33469

Phone: 561-575-5408  
Cell: 561-262-2769  
Fax: 561-743-6228  
[john.cassady@MyFWC.com](mailto:john.cassady@MyFWC.com)

March 24, 2010

**FWC Media Event  
3 manatees to be released**

**Thursday, March 25, 1 p.m.  
The canoe/kayak launch at John D. MacArthur Beach State Park  
10900 State Road 703  
North Palm Beach**

Biologists with the Florida Fish and Wildlife Conservation Commission's (FWC) Fish and Wildlife Research Institute will release three rehabilitated manatees – a mother and calf, and an adult female – Thursday, March 25, in North Palm Beach.

When rescued in January in Vero Beach, the newborn calf exhibited signs of cold stress. Not wanting to separate the calf from its mother, rescuers took the pair to Miami Seaquarium for rehabilitation. Both are now cleared for release.

MSTM1005  
Wrinkles  
+  
MSTM1004  
Fortress

When the adult female was rescued from ~~Port Everglades~~ <sup>Boca Raton Palm Beach</sup> in Broward County in 2006, she was suffering from watercraft injuries. She also was taken to Miami Seaquarium for rehabilitation. She has been cleared for release as well and weighs approximately 1,500 pounds.

MSTM0614  
Senora

The FWC invites the media to cover the release and speak with biologists.  
Contact: Gabriella Ferraro (FWC), 772-215-9459

Media also are invited to observe the loading of these animals, 9:45 a.m. at Miami Seaquarium.  
Contact: Cristina Rodriguez (Miami Seaquarium), 305-365-2525 or 305-213-0993

# Rescue Report

Entered 4/13/10  
DSS

Resc / Rel  
3/25/10

"Fortress"

Natural  
Motive of  
Resc. Calf.

## GENERAL:

Date of Rescue: 23 January 2010 Date of Initial Call: 20 January 2010 Filed by: C. Rush  
Rescue ID#: REC1007/SWFTm1007b Facility ID: MS1004 FWC Case: N/A Officer Name: N/A  
Sex: Female Length: 272 cm Estimated: No  
PIT Tag Applied: Yes PIT Tag Present: #R 000-6958-6FE L 000-695A-AAD  
LOCATION:  
State: FL City: Vero Beach County: Indian River Waterway: Indian River  
Latitude (Decimal Degrees): 27.652173°N Longitude (Decimal Degrees): -080.386121°W  
Locality Description: Vero Beach, behind 3014 Nassau Dr.  
Method of Capture: Net set from land and boat.

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Mother of Resc. Calf.

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm  
Comments:

Gear Retained? ☒ Y ☐ N



## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
20 January 2010, at 1600 hrs:	FWC-biologist C. Rush (CNR) responded to a page from FWC-dispatch Orlando regarding a canal full of cold stressed manatees in Vero Beach. CNR contacted the complainant, Beth Powell (BP) (772-633-5471) for further information. BP informed CNR that there were approximately a dozen or more manatees in a canal that had white spots on their faces and they all seemed lethargic. There were a few mom and calf pairs that "didn't look normal." CNR requested that BP call her the following day if they were still in the same canal.
21 January 2010, at 1000 hrs:	CNR received a call on her Nextel from BP regarding the same manatees. The manatees were still in the canal, but seemed to be more active. CNR contacted FWC-Volunteer S. Cox (SC) to see if he could verify the situation given the ECFL work load. SC verified that the manatees appeared to have an adequate amount of cold stress and advised CNR that she should take a look. CNR verified that the manatees were cold stressed and should be rescued. CNR contacted FWC-biologist A. Spellman (ACS) to notify her of the situation. CNR documented the manatees as best she could in the poor lighting conditions. CNR requested that BP contact her first thing the following morning if the manatees were still in the canal.

## Rescue Report

BP contacted CNR to inform her that the manatees were still there. CNR passed the information to ACS. CNR agreed to meet ACS at the canal in Vero Beach after recovering two carcasses.

22 January 2010, at  
0900 hrs:

ACS arrived on site At 1030hrs to find several cold-stressed manatees in a canal. Two mother -calf pairs were easily discernible and both were in need of extraction and medical attention. There were some 14 other manatees in canal as well. The water temperature in the canal registered at 72°F but there was no vegetation available and no nearby warmer waters meaning that the animals in their compromised state had no choice but to leave the warmer canal if they wished to feed. River water temperatures were around 55°F and weather forecasts indicated more severe cold weather to come. A rescue was carried out on the less critical mom and calf pair since they were the only ones that stayed in the canal. CNR requested that BP contact her in the following morning if the other critical mom-calf pair returned to the canal.

23 January 2010, at  
1000 hrs:

BP contacted CNR to inform her that the mom-calf pair had returned. CNR was recovering multiple carcasses with FWC-biologist M. Lizotte (MEL). CNR immediately contacted SWF to get the rescue crew moving towards Vero Beach. Meanwhile, CNR contacted FWC-biologist R. Berger (RWB) to request the use of the NEFL transport vehicle. RWB informed CNR that he and FWC-biologist J. Price were also able to assist in the rescue. CNR also contacted FWC-T. Reinert (TRR) to inform him of the situation. TRR also offered to assist with the rescue if needed since he was going to be in the area. TRR contacted Miami Seaquarium to request meeting FWC staff near Vero to avoid the timely transport of the manatees once captured.

CNR arrived at the canal off of Calcutta Dr., and documented the manatees until she met SWF at the McWilliams Boat Ramp. While motoring over to the canal, BP and SC lost sight of the manatee pair. After searching for approximately 20 minutes, the pair was located in the canal just east of where they were initially sighted. The rescue crew located the manatees at the dead end of the canal and slowly approached the pair. A few SWF staff members got off the boat to hold one end of the net at the shoreline while the boat slowly made a diagonal across the canal, where CNR got off the boat to hold the net along the other shoreline. Then SWF-JP continued the set with the boat to the north shore. The net was slowly walked into a circle as the crew re-boarded the boat. The calf hit the edge of the net first, quickly picked up and taken to shore by CNR and SWF staff. The mom was then brought on board by the rest of the SWF crew. Meanwhile, CNR was attempting to stimulate a breath from the calf, but was unsuccessful. The mother was brought onto land next to her calf, but the calf still refused to take a breath and was beginning to struggle. CNR and JP rushed the calf back into the water, holding it in place with her pectoral flippers against her body. The calf finally began to calm down and breathe. After the calf calmed down, another attempt was made to place the calf by her mom's head, but she refused to breathe again. On-lookers were attempting to

## Rescue Report

find a baby pool, or something that the baby could be transported in. After no success, CNR contacted MEL to inform her that she needed the large carcass cooler to act as a make-shift pool for transport to the Miami Seaquarium. MEL and FWC-Volunteer K. Rudisill (KAR) were in Sebastian picking up another carcass. Approximately a half hour later, MEL and RWB quickly cleaned the carcass cooler and filled it with warm water. The calf was brought up and placed into the cooler. The calf appeared to adjust well, but needed someone constantly supporting it as it came up for a breath. Mom and calf were loaded into the transport vehicle and taken to Fort Pierce where FWC staff met Miami Seaquarium. CNR, MEL, KAR, TRR, RWB and J. Price, along with Miami staff transferred the manatees over to the other vehicle for the remainder of the transport.

### Participants

FWC: C. Rush, M. Lizotte, K. Rudisill, J. Price, R. Berger, T. Reinert

SeaWorld Animal Care Staff

REC1007

Attachments: map

Photographs: attached

Cc: L. Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 05 June 2010

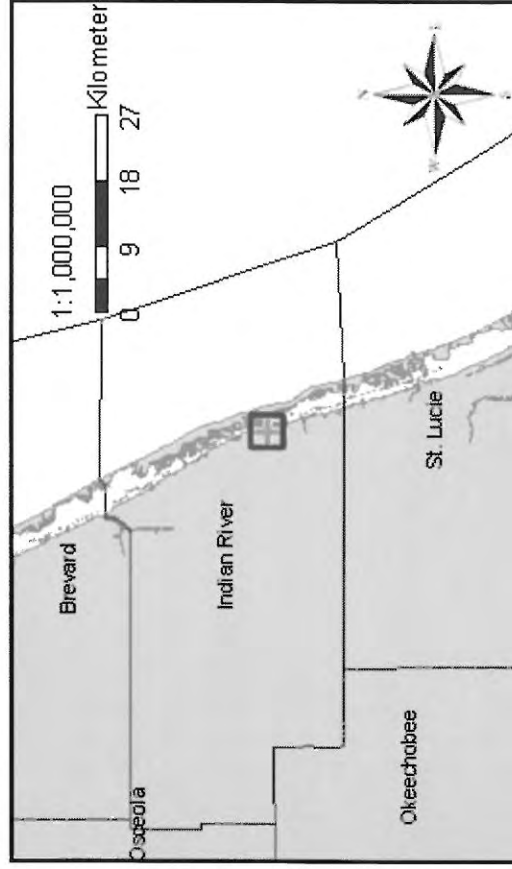
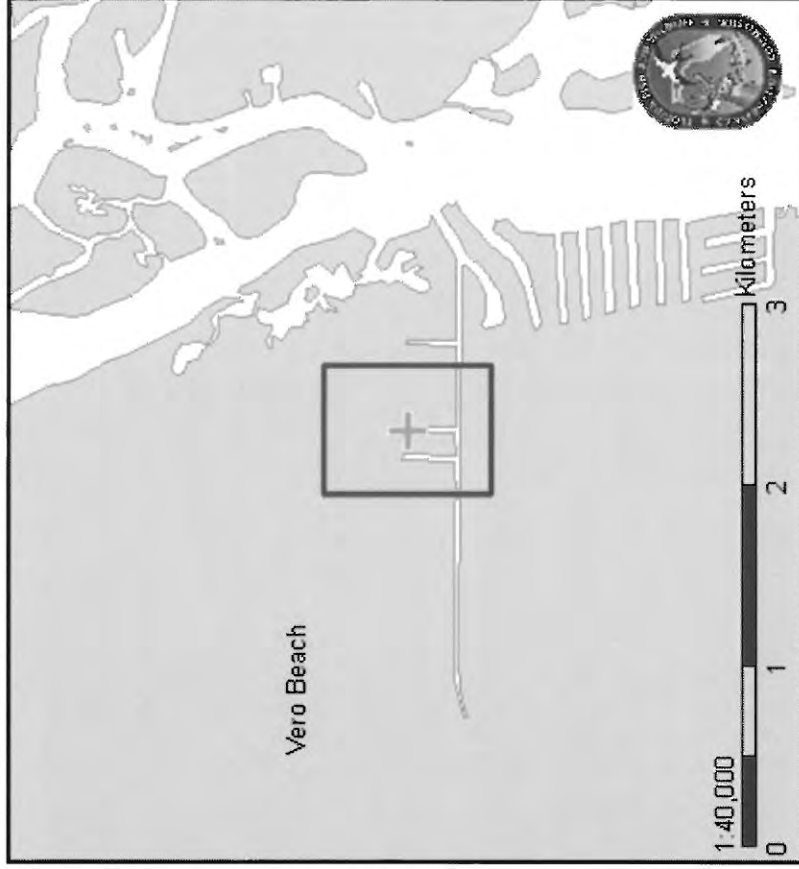
**SUBJECT:** The rescue of a cold-stressed, adult, female manatee, (and her cold-stressed dependent calf -see REC1006/SWFTm1006b/MS1005) from Vero Beach, Indian River County on 23 Mar 2010 (REC1007/SWFTm1007b/MS1005).

The attached rescue report for **REC1007** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



# Verified Rescue Location of Manatee REC1007/SWFTm1007



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
20	1	2010	REC1007	27.652173	-80.386121	1/23/2010	FWC,SWF	ACS

Entered  
4/13/10  
DSSRescued/Rel  
3/25/**Manatee Information (MLog:1138 )**Animal ID:**MSTM1004** Sex:**F** Name:**Fortress** Rearing:**Wild reared**

## -- Rescue Information -----

**Rescue Date:** 01/23/2010    **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Mother of Rescued Calf**Primary Cause Text:****Secondary Cause:** Natural Cold Stress**Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** Animal is known not to be pregnantSWFTM1007B  
REC1007

## -- Rescue Location Information -----

**State:** FL    **County:** Indian River    **City:** Vero Beach**Waterway:** ~~Intercoastal~~ Indian River Lagoon**Latitude:** 27.652181    **Longitude:** -80.386113**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 453    **Estimated Weight?:** Yes    **Date Weighed:** 01/23/2010**Length (cm):** 272    **Estimated Length?:** No    **Date Measured:** 01/23/2010

## -- Other Rescue Information -----

**Tracker:**    **Transporter:** FWC Indian River Field Station**Facility transported to:** Miami Seaquarium**Veterinarian:** Maya Rodriguez    **Organization:** Miami Seaquarium**Participating Org:** FWC**Flood Gate:**    **Pot Status:****Additional Narrative:** Mother with calf with severe cold stress; mother looks relatively good

## -- Report Information -----

**Created By:** Jodi Linvill    **Created Date:** 01/29/2010**Updated By:** D    **Updated Date:** 01/29/2010

**Manatee Information (MLog:1138 )**Animal ID:**MSTM1004** Sex:**F** Name:**Fortress** Rearing:**Wild reared**

## -- Release Information -----

**Release Date:** 03/25/2010

## -- Release Location Information -----

**Release Site:** MacArthur Beach State Park**State:** FL **County:** Palm Beach **City:** North Palm Beach**Waterway:** ICW

## -- Measurement -----

**Weight (kg):** 408 **Estimated Weight?:** Yes **Date Weighed:** 03/22/2010**Length (cm):** 275 **Estimated Length?:** No **Date Measured:** 03/22/2010

## -- Other Release Information -----

**Display Water Type:** Brackish/Saltwater**Release Water Type:** Brackish/Saltwater**How many months has animal been exposed to release water type?** 02**Is animal bottom feeding?** Yes**Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:****Veterinarian:** Maya Rodriguez**Organization:** Miami Seaquarium**Participating Org:****Additional Narrative:** Fortress is being released with her calf, Wrinkles (MSTm1005). Actual weight: 905 lbs. (410 kg.) on 03/22/10

## -- Report Information -----

**Created By:** Jodi Linvill **Created Date:** 03/27/2010**Updated By:** D **Updated Date:** 03/27/2010

**Manatee Information (MLog:1138 )**Animal ID:**MSTM1004** Sex:**F** Name:**Fortress** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 03/22/2010    **Tag ID** 000695AAAD**Tag ID** 000695AAAD**Information:****Event:** Release    **Event Date** 03/25/2010

## -- Report Information -----

**Created By:** Jodi Linvill    **Created Date:** 03/27/2010**Updated By:** D    **Updated Date:** 03/27/2010*Entered  
PIT + Captive  
4/14/10  
DSS*

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 03/22/2010    **Tag ID** 00069586FE**Tag ID** 00069586FE**Information:****Event:** Release    **Event Date** 03/25/2010

## -- Report Information -----

**Created By:** Jodi Linvill    **Created Date:** 03/27/2010**Updated By:** D    **Updated Date:** 03/27/2010



## Szemer, Donna

---

**From:** Cassady, John  
**Sent:** Thursday, March 25, 2010 4:38 PM  
**To:** Szemer, Donna; mayadvn@msn.com  
**Subject:** Releases

Quick update on the releases today.

All released at JD MacArthur State Park (26.815939N, -80.038475W)

MSTm0606/RSE0614 (Senora)- Total length (straight)= 306cm ✓  
Girth at Umbilicus= 247cm  
Weight= 622.3kg ✓

MSTm1004/REC1007 (Fortress)- Total length (straight)= 262cm  
Girth at Umbilicus= 191cm  
Weight= 411.4kg

MSTm1005/REC1006 (Wrinkles)- Total length (straight)= 120cm  
Girth at Umbilicus= 99cm  
Weight= 44.5kg

I will try to get the full reports finished tomorrow.

John Cassady  
Manatee Research Staff  
Fish and Wildlife Research Institute  
Florida Fish and Wildlife Conservation Commission  
19100 S.E. Federal Hwy.  
Tequesta, FL. 33469

Phone: 561-575-5408  
Cell: 561-262-2769  
Fax: 561-743-6228  
[john.cassady@MyFWC.com](mailto:john.cassady@MyFWC.com)

March 24, 2010

**FWC Media Event  
3 manatees to be released**

**Thursday, March 25, 1 p.m.  
The canoe/kayak launch at John D. MacArthur Beach State Park  
10900 State Road 703  
North Palm Beach**

Biologists with the Florida Fish and Wildlife Conservation Commission's (FWC) Fish and Wildlife Research Institute will release three rehabilitated manatees – a mother and calf, and an adult female – Thursday, March 25, in North Palm Beach.

When rescued in January in Vero Beach, the newborn calf exhibited signs of cold stress. Not wanting to separate the calf from its mother, rescuers took the pair to Miami Seaquarium for rehabilitation. Both are now cleared for release.

MSTM1005  
Wrinkles  
+  
MSTM1004  
Fortress

When the adult female was rescued from ~~Port Everglades~~ <sup>Boca Raton, Palm Beach</sup> in Broward County in 2006, she was suffering from watercraft injuries. She also was taken to Miami Seaquarium for rehabilitation. She has been cleared for release as well and weighs approximately 1,500 pounds.

MSTM0614  
Senora

The FWC invites the media to cover the release and speak with biologists.  
Contact: Gabriella Ferraro (FWC), 772-215-9459

Media also are invited to observe the loading of these animals, 9:45 a.m. at Miami Seaquarium.  
Contact: Cristina Rodriguez (Miami Seaquarium), 305-365-2525 or 305-213-0993

# Rescue Report

Entered  
6/11/10  
DSS

Asst. & Lel

Natural  
Cold Stress

"Kringie"

## GENERAL:

Date of Rescue: 14 February 2010	Date of Initial Call: 14 February 2010	Filed by: C. Rush
Rescue ID#: REC1008	Facility ID: SWFTm1008b	FWC Case: N/A
Sex: Male	Length: 245 cm	Estimated: No
PIT Tag Applied:	PIT Tag Present: Yes	#R 00-0672-5CF4
LOCATION:		L <del>00-0695-B231</del>
State: FL	City: Melbourne Beach	County: Brevard
Latitude (Decimal Degrees): 27.85428°N	Longitude (Decimal Degrees): -80.46481°W	
Locality Description: Approximately 0.4 km North-west of Sebastian Inlet Channel Daybeacon 14.		
Method of Capture: Net set from boat.		

SWFTM08308 / REC08 25

00 0675 B565 Corrected  
4/27/17  
DSS.

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe: \_\_\_\_\_

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:** \_\_\_\_\_

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments: \_\_\_\_\_

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
10 February 2010	S2S-biologist M. Ross informed ECFL staff that recently released manatee "Kringle" was diverting from his warm water release site of the Berkeley Canal in Satellite Beach. During the week, S2S stayed in close contact with ECFL regarding "Kringle's" whereabouts.
12 February 2010	S2S-biologist M. Fischer (MF) contacted FWC-biologist C. Rush (CNR) to borrow the ECFL's Key West in order to get a good look at "Kringle." Unfortunately, the ECFL boat was down, and S2S's boat was too small for the choppy river. CNR attempted to find MF an alternate boat, but due to the late hour of the afternoon, and bad weather, was unsuccessful.
13 February 2010	MF attempted again to get a visual on "Kringle" since he had been in very frigid temperatures for a few consecutive days. CNR was able to get the Vero Beach Fire Station to assist MF, but before a visual was obtained, they had to go back to the fire station for an emergency. CNR requested officer assistance for MF from Orlando dispatch, but no officers were available to assist.
14 February 2010, at 0715 hrs:	FWC-dispatch Orlando contacted CNR on her Nextel to inform her that FWC-Ofc. K. Culver was on the water and able to assist MF. CNR contacted MF and gave her Ofc. Culver's number to meet up with him. At approximately 0900 hrs, MF contacted CNR to inform her that "Kringle" had white pock marks on



## Rescue Report

his body and that he was in 11°C water, wandering around aimlessly as he had been for the last few days. CNR spoke with Ofc. Culver to see if he was able to assist the remainder of the day and explained the situation. CNR contacted FWC-biologist A. Spellman (ACS) to inform her of the situation. CNR and ACS agreed that with the extremely cold winter, and possibility of acute cold stress to rescue "Kringle." CNR contacted MF to inform her that she was working on putting a rescue together. CNR contacted SeaWorld-B. Wagoner (BW) to inform him of the situation and requested assistance. BW informed CNR that they could only send a few staff members and were unable to accept "Kringle" if he needed to go back into captivity. CNR then contacted MMPL-A. Garrett (AJG) to inform him of the situation and attempted to set up a facility that could accept "Kringle." AJG informed CNR that Miami Seaquarium was the only facility that could accept him if needed. CNR also left a message for FWS-N. Adimey to inform her of the situation. CNR then contacted FWC-biologist C. Hudak (CAH) to see if she was able to assist. CAH was able to assist with the SEFL's rescue boat, along with the SEFL-Intern K. Bullard. CNR informed CAH that since "Kringle" was constantly moving that they would stay in touch in regards of where to meet and launch the boat. CNR contacted MF for a location to meet. CNR agreed to meet MF at the Sebastian Inlet State Park. While en route, BW contacted CNR to inform her that if needed, SeaWorld could make room for "Kringle." CNR also spoke with N. Adimey in regards of where to relocate "Kringle" if he appeared healthy. The Port St. John Boat Ramp was agreed on given that it is just north of the FPL Canaveral Plant. CNR had the entire rescue crew meet at the Sebastian Inlet State Park's Boat Ramp. The rescue boat was launched, but MF lost track of "Kringle." After about a half hour, "Kringle" was relocated, but the boat had some technical difficulties. Once that was figured out, the net was set on "Kringle," but he was able to work the lead line and got out of the net. A second attempt was made and was successful. "Kringle" was taken back to the Sebastian Inlet Boat Ramp and was deemed fit to be released at the Port St. John Boat Ramp. "Kringle" was loaded into the SeaWorld transport vehicle and transported to the boat ramp. CNR photographed "Kringle" before releasing him near the power plant. After milling around the boat ramp for a few minutes, "Kringle" went over to FPL discharge 2. CNR contacted AJG, BW, ACS, and N. Adimey to inform them of the relocation.

### Participants:

FWC: C. Rush, C. Hudak, K. Bullard (Intern), D. Rush (Volunteer)

SeaWorld Animal Care Staff

S2S M. Fischer

REC1008

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS

## Rescue Report



**Manatee Information (MLog:1002 )**Animal ID:**SWFTm0830B** Sex:**M** Name:**Kringle** Rearing:**Wild reared**

## -- Rescue Information -----

**Rescue Date:** 02/14/2010    **Rescue Per Day:** 1**Rescue Type:** Assist and release**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Stable**Suspected Pregnant:** Animal sex is male or unknown

## -- Rescue Location Information -----

**State:** FL    **County:** Brevard    **City:** Sebastian, FL**Waterway:** Indian River**Latitude:** 27.854828    **Longitude:** -80.464813**Relocated, where?:** Port St. John Boat Ramp, Indian River, North of FPL**Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 364    **Estimated Weight?:** Yes    **Date Weighed:** 02/14/2010**Length (cm):** 245    **Estimated Length?:** Yes    **Date Measured:** 02/14/2010

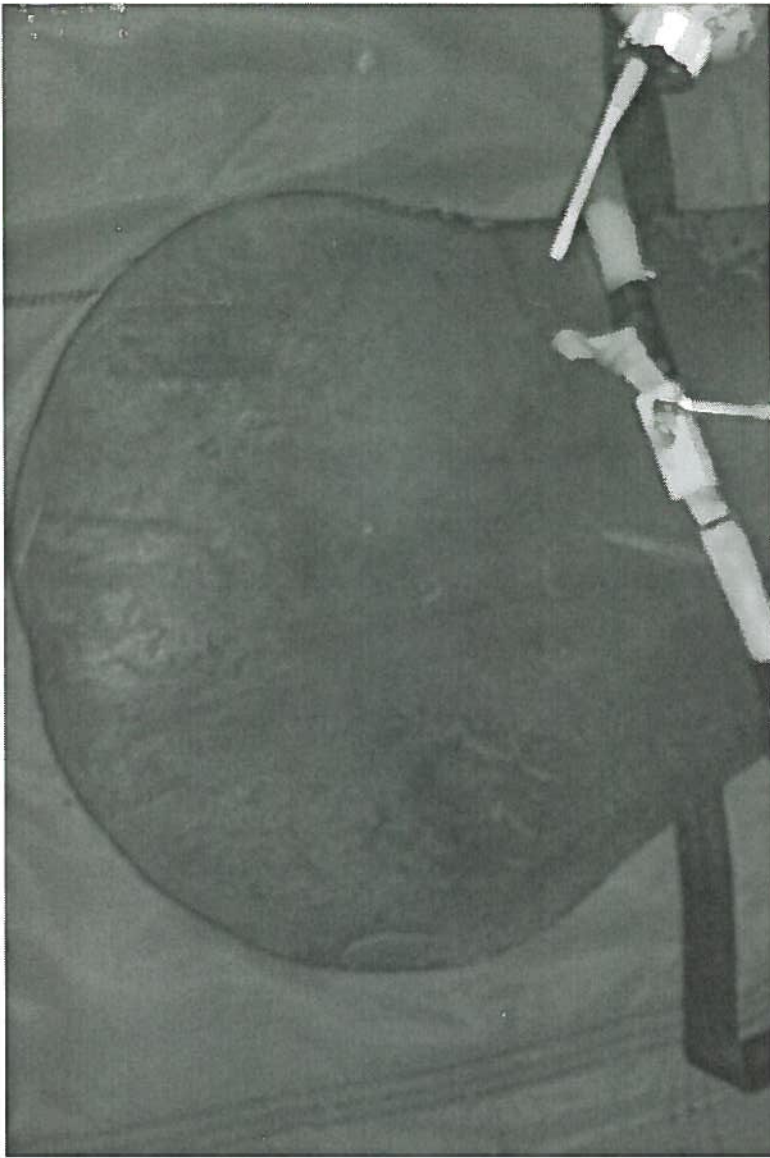
## -- Other Rescue Information -----

**Tracker:** Sea2Shore    **Transporter:****Facility transported to:****Veterinarian:** Scott Gearhart    **Organization:** SeaWorld Florida**Participating Org:** Sea2Shore FWC-Indian River Field Lab SeaWorld Florida**Flood Gate:**    **Pot Status:****Additional Narrative:** Upon rescue, it was observed that Kringle's cold stress was very minor, the decision was made by the crew on site (S2S, FWC & SWF) to just relocate him.

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/02/2010**Updated By:** D    **Updated Date:** 03/02/2010

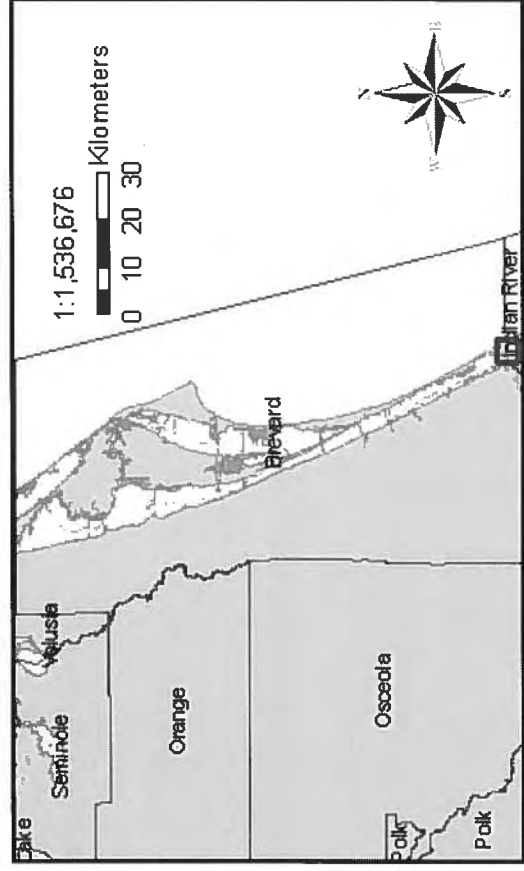
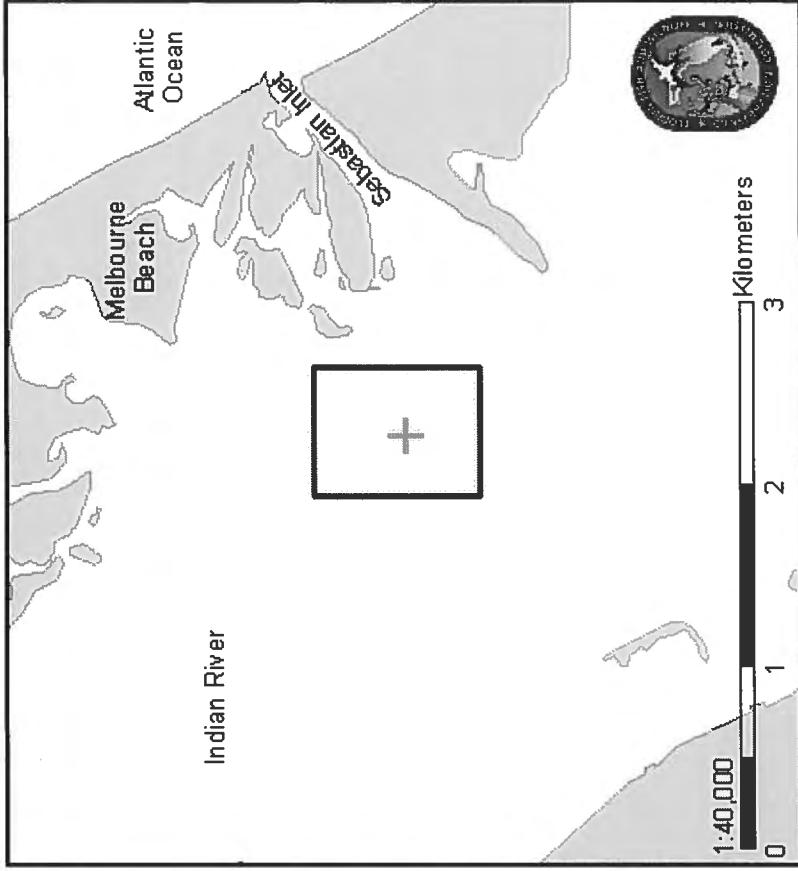
REC1008



"Xringle"  
JWFTM08308  
REC1008  
JWFTM107"



# Verified Rescue Location of Manatee REC1008/SWFTm1008



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
13	2	2010	REC1008	27.854828	-80.464813	2/14/2010	FWC,SWF,SZS	CIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann C. Spellman, Research Associate

**FROM:** Christine N. Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 13 May 2010

**SUBJECT:** The extraction and relocation of "Kringles" from the Sebastian Inlet to the Port St. John Boat Ramp in Port St. John in the Indian River on 14 February 2010 (REC1008/SWFTm1008b).

The attached rescue report for **REC1008** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

# Rescue Report

Updated  
5/14/10  
JSS

Asst. & Rel  
Entrapment  
Draw Pipe

## GENERAL:

Date of Rescue: 21 February 2010	Date of Initial Call: 21 February 2010	Filed by: A. Spellman
Rescue ID#: REC1009	Facility ID: SWFTm1009	FWC Case: 1688
Officer Name: N/A		
Sex: Female	Length: 230cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Vero Beach	County: Indian River
Waterway: Indian River		
Latitude (Decimal Degrees): 27.567085°N		Longitude (Decimal Degrees): -080.364448°W
Locality Description: In storm drain approximately 150 yds into drain next to 1934 5 <sup>th</sup> Ct, S.E.		
Method of Capture: Pushed manatee backwards until free of pipe		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☒ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe: \_\_\_\_\_

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:** \_\_\_\_\_

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments: \_\_\_\_\_

## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe: Storm drain pipe

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
21 February 2010 0801hrs	FWC-biologist M. Lizotte (MEL) responded to a page from FWC-Orlando dispatch regarding a call about a manatee stuck in a drain pipe in Vero Beach, Indian River County. Case No. 168 was assigned. According to the complainant there was a manatee potentially stuck in the pipe next to his residence. He claims to have called it in at 1800hrs the previous evening but no call ever came in to biologists regarding the manatee. MEL immediately contacted FWC-biologist A. Spellman to advise her of the situation. ACS instructed MEL to go to the site and verify the call first then call her back. MEL called ACS after arriving on site to confirm that it was indeed a manatee and it was approximately 150 meters into the pipe and under the road. ACS drove to the site as well and called the Vero Beach Fire Dept. to advise them of the situation and to ask for assistance with getting the manhole cover in the road open. VBFD responded and with some extensive effort managed to free the manhole cover. The manatee was directly below the cover and had swum in until it could go no further. ACS measured the pipe diameter at 3 feet wide and half way filled with water. ACS contacted both FWC-biologist C. Rush (CNR) and Bob Wagoner of SeaWorld for extra help. ACS was the only one on site initially with experience in getting manatees out of pipes and wanted another experienced person to assist with pushing the manatee back out into the water. The VBFD did not want any inexperienced people entering the pipe due to



## Rescue Report

confined space issues. ACS agreed.

The VBFD brought in some extra crew to test the air for any built-up gasses and the reading came back negative. Once SWF staff arrived, the manatee was both pushed and pulled through the 3' drain pipe until it was released back into the canal that lead to the river, with staff at both ends to monitor and communicate with those moving the manatee. B. Wagoner determined she was female, and she was both PIT tag scanned and measured before she was released. The PIT scan was negative but due to the confined space and the potential to cause the manatee to flail around, no PIT tags were implanted. The water temperature in the pipe was 27°C and 2ppt salinity. The manatee was somewhat thin with moderate cold stress lesions on her face but otherwise responsive and in good health.

### Participants:

FWC: A. Spellman, C. Rush, M. Lizotte

SWF: B. Wagoner, Brent

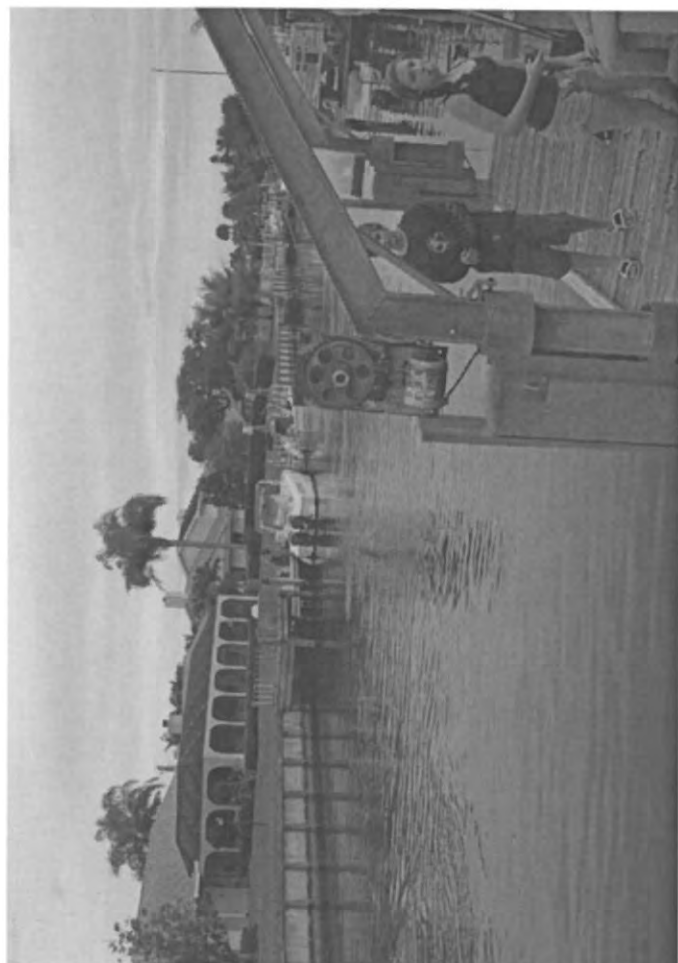
VBFD

**REC1009**

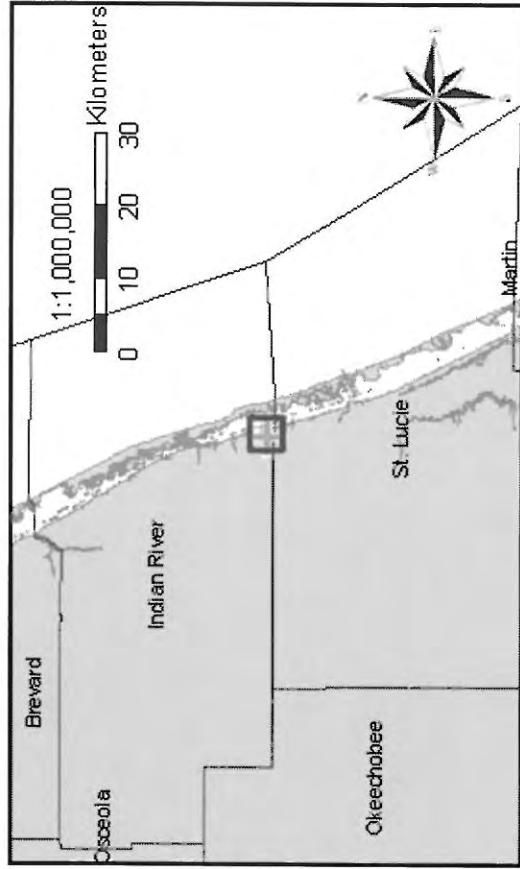
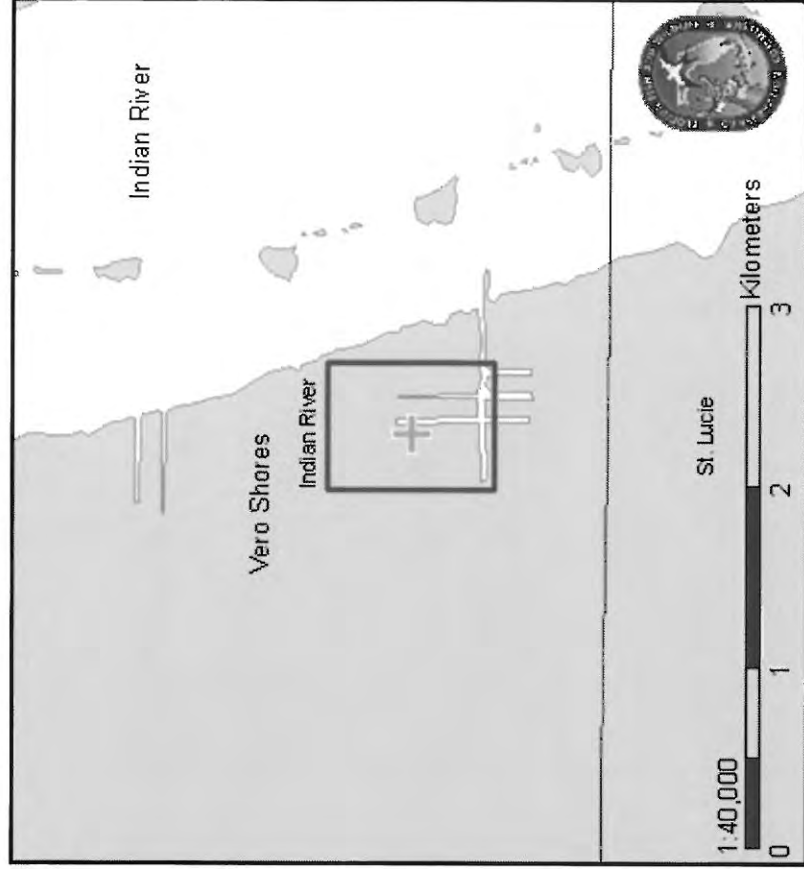
Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS





# Verified Rescue Location of Manatee REC1009/SWFTm1009B



REPDAY	REP/MONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
21	2	2010	REC1009	27.567085	-80.364448	2/21/2010	FWC, SWF	ACS

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann C. Spellman  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 13 May 2010

**SUBJECT:** The extraction and subsequent release of a subadult manatee from a storm drain pipe in Vero Beach, Indian River County on 21 February 2010  
(**REC1009/SWFTm1009**).

The attached rescue report for **REC1009** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



Entered  
4/14/10  
DSS

Asst. &amp; Rel

Entrapment  
Drain Pipe**Manatee Information (MLog:1163 )**Animal ID: **SWFTm1009B** Sex: **F** Name: Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 02/21/2010 **Rescue Per Day:** 1**Rescue Type:** Assist and release**Primary Cause:** Entrapment Culvert/Pipe**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Stable**Suspected Pregnant:** No information on potential pregnancy is known

## -- Rescue Location Information -----

**State:** FL **County:** Indian River **City:** Vero Beach, FL**Waterway:** Indian River**Latitude:** 27.567085 **Longitude:** -80.364448**Relocated, where?:** Animal released at site, where she entered the pipe.**Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 250 **Estimated Weight?:** Yes **Date Weighed:** 02/21/2010**Length (cm):** 230 **Estimated Length?:** No **Date Measured:** 02/21/2010

## -- Other Rescue Information -----

**Tracker:** **Transporter:****Facility transported to:****Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab Vero Beach City Fire Department SWF**Flood Gate:** **Pot Status:****Additional Narrative:** Animal had found her way into a 30" diameter storm drain pipe off a resident canal in Vero Beach. She had crawled into it for about 100-120 ft. before she had to stop due to a smaller junction.

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/08/2010**Updated By:** D **Updated Date:** 03/08/2010

REC1009

# Rescue Report

Entered 4/14/10 JJS

Resc/Rel  
5/18/10  
Natural  
Cold Stress

"Babe"

## GENERAL:

Date of Rescue: 23 February 2010	Date of Initial Call: 21 February 2010	Filed by: C. Rush/ A. Spellman
Rescue ID#: REC1010	Facility ID: MSTm1008	FWC Case: 1709
Sex: <del>Male</del> <sup>Female</sup> Length: 242 cm	Estimated: No	Officer Name: FWC-LT. G. Waldeck (Pilot)
PIT Tag Applied: Yes	PIT Tag Present: #R 00-0695-A308	L 00-0695-B231
LOCATION:		
State: FL	City: Merritt Island	County: Brevard
Latitude (Decimal Degrees): 28.39434° N	Waterway: Banana River	Longitude (Decimal Degrees): -80.675186° W
Locality Description: Merritt Island, behind 1270 Girard Ave.		
Method of Capture: Net set from boat		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type:: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
21 February 2010, at 1200 hrs	FWC-biologist M. Lizotte (MEL) responded to a page from FWC-dispatch Orlando regarding a lethargic, listing manatee in Merritt Island. MEL requested officer verification since all ECFL staff members were taking part in rescuing a manatee out of a drain pipe in Vero Beach. FWC-Ofc. J. Morgan was sent to check on the manatee. According to Ofc. Morgan, the manatee he saw was attempting to bury its face in the sand, but otherwise, seemed fine.
22 February	After reviewing the incident forms from the previous day, FWC-biologist A. Spellman (ACS) contacted the complainant to inquire if the manatee was still behind his residence. Since the manatee was still there, ACS checked on the manatee as well and found a few other manatees in the canal. ACS verified that at least one of the manatees needed medical attention and started to set up a rescue for the following day. ACS informed FWC-biologist C. Rush (CNR) of the potential for one rescue and maybe even two for the following day. ACS was unable to get assistance from SeaWorld, so she contacted FWC-biologist R. Berger (RWB) to secure a boat as well as Jacksonville Zoo Staff for part of the rescue crew. ACS also contacted Hubbs-SeaWorld and secured help from a few staff members. ACS requested that the complainant contact her directly first thing the following morning if the manatees were still in the canal.

## Rescue Report

23 February

ACS was contacted by the complainant and was informed the manatees were still in the same canal. ACS sent FWC-Intern J. Long (JML) to keep an eye on the manatees. Meanwhile, CNR rented a U-Haul truck. CNR and ACS loaded all the essential rescue gear and drove separately up to Merritt Island. ACS informed RWB that the rescue was a 'go' for at least one, but possibly two manatees and they would be transported to the Miami Seaquarium. CNR, ACS, and JML kept an eye on the three manatees in the canal. At approximately 1200 hrs, CNR, JML, and the Hubbs staff left the canal to meet RWB and the rest of the rescue crew at the Kelly Park Boat Ramp. ACS stayed at the canal. Although the rescue crew saw three manatees leave the area while motoring in, none of the manatees appeared to be in poor health. ACS informed CNR via Nextel that she had lost sight of the manatees. RWB docked the rescue boat at the end of the canal so CNR could help search for the manatee by land. ACS and CNR were unable to locate the manatee so ACS contacted FWC-Pilot Lt. G. Waldeck to see if he could provide assistance from that air. Lt. Waldeck informed ACS that he could assist, but it would be approximately a half hour for the helicopter to get there. Meanwhile, CNR joined the rescue boat again and the crew searched the other canals in the area. There were a few canals that the boat could not get into since it was too tall to fit under a bridge. CNR got off the rescue boat again to search the other canal by land. CNR was unable to locate the manatee of interest. Approximately a half hour later, Lt. Waldeck verified that there were a few manatees in the canals, so the tower and weighing station was taken down on the rescue boat. Once under the bridge, CNR and ACS joined the rescue boat. The manatee in distress was found where Lt. Waldeck described and it was captured on the first net set without any fight. The lethargic, cold stressed manatee was taken back to Kelly Park and loaded into a U-Haul van. CNR informed Miami Seaquarium-J. Linvill (JL) that only one manatee was going to be transported and that she was departing Merritt Island shortly. JL agreed to meet CNR half way. CNR drove the U-Haul with Hubbs SeaWorld biologist- T. Mezza and Hubbs SeaWorld-Volunteer K. Londono riding with the manatee in the back. CNR and JL drove until they met each other at a shopping plaza in Palm Beach. CNR, T. Mezza, and K. Londono, along with three Miami Seaquarium staff members transferred the manatee from the U-Haul to the Miami Seaquarium van. MSQ transported the manatee the rest of the way to their facility.

### Participants:

FWC: C. Rush, A. Spellman, R. Berger, N. Wingers

Hubbs SeaWorld: T. Mezza, K. Londono

Jacksonville Zoo: Staff

MSQ



## Rescue Report

**Total time: 15 hours**

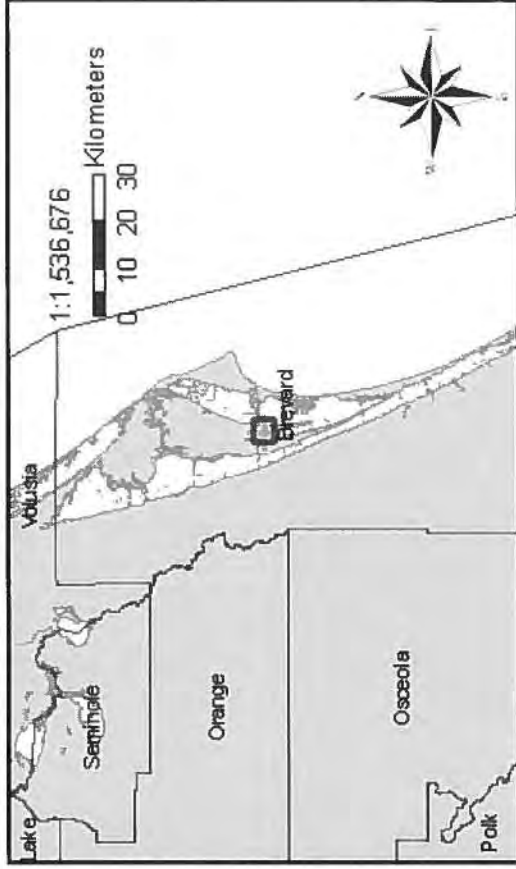
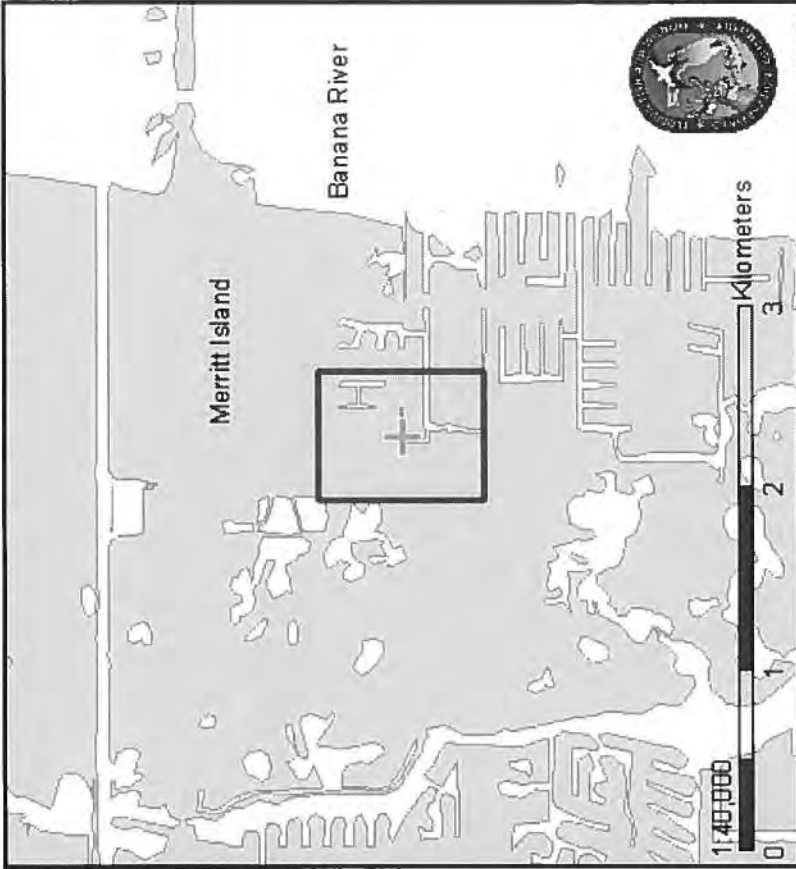
**REC1010**

Attachments: map

cc: FWRI, Field Labs, ISM, MSQ, FWS



# Verified Rescue Location of Manatee REC1010/MSTm1008



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECCDATE	REC BY	MAP BY
22	2	2010	REC1010	28.39434	-80.675186	2/23/2010	FWC,JZ,HSW	CIIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Christine N. Rush and Ann Spellman  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 14 May 2010

**SUBJECT:** The rescue of a badly cold-stressed, sub-adult, male manatee from a canal in Merritt Island in Brevard County, on 23 February 2010  
(**REC1010/MSTm1008**).

The attached rescue report for **REC1010** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
4/14/10  
JSSResc/Rel  
5/18  
Natural  
Cold Stress**Manatee Information (MLog:1158 )**Animal ID: **MSTm1008** Sex: **F** Name: **Bode** Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 02/23/2010 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** No information on potential pregnancy is known

## -- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Merritt Island**Waterway:** Banana River**Latitude:** 28.314444 **Longitude:** -80.660278**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 362 **Estimated Weight?:** Yes **Date Weighed:** 02/23/2010**Length (cm):** 242 **Estimated Length?:** No **Date Measured:** 02/23/2010

## -- Other Rescue Information -----

**Tracker:** **Transporter:** FWC Indian River Field Station**Facility transported to:** Miami Seaquarium**Veterinarian:** Maya Rodriguez **Organization:** Miami Seaquarium**Participating Org:****Flood Gate:** **Pot Status:****Additional Narrative:** Extremely weak/lethargic

## -- Report Information -----

**Created By:** Jodi Linvill **Created Date:** 02/26/2010**Updated By:** D **Updated Date:** 02/26/2010

REC1010



Rel  
5/18/10

Bode - MSTM1008

Kringle - MSTM1014  
SW FTM1014B  
SW FTM108308

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## Cold-stressed manatees released into Banana River

BY JIM WAYMER • FLORIDA TODAY • MAY 19, 2010

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**MERRITT ISLAND** — Staff from Miami Seaquarium released one male and one female adult manatee Tuesday in Kars Park on Merritt Island.

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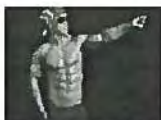
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The two were rehabilitated after suffering from cold stress during the winter's extremely cold weather. One had been rescued from the Banana River, the other from the Indian River.

A record 78 manatees have died from cold stress in Brevard County and 222 statewide since Jan. 1, according to early examinations by state wildlife biologists.

The Florida Fish and Wildlife Conservation Commission documented a record 431 dead manatees in state waters through March of this year. Early data indicates that in just three months, manatee carcasses exceeded the highest annual manatee death toll on record -- 429 in 2009.

It is likely the low temperatures also contributed to many of the 108 deaths in the "undetermined" category and the 64 deaths in the "unrecovered" category, FWC said.

SeaWorld Orlando's Animal Rescue Team and the Florida Fish and Wildlife Conservation Commission rescued an adult female manatee from a canal in Satellite Beach on Monday. She remains in critical condition at SeaWorld's Manatee Rescue & Rehabilitation Center.

Contact Waymer at 242-3663 or [jwaymer@floridatoday.com](mailto:jwaymer@floridatoday.com).



Purchase this Photo

Bode, one of two local manatees that were victims of cold stress during the winter, waits to be released back into the Banana River at Kars Park on north Merritt Island. The two sea cows were rehabilitated at the Miami Seaquarium. (Tim Shortt, FLORIDA TODAY)

### PHOTO GALLERIES

Manatees released 5-18

### Related Stories

- Panthers trounce West Florida
- Governor signs bill to lift limits on sex cases
- Catastrophe Fund: Good for \$25.5 billion in losses

### Related Topics

- Sports - Wildlife, Outdoor Recreation

Contextual linking provided by Topix



10

Comments &gt;&gt;

Read and share your thoughts on this story.

### MOST RECOMMENDED ARTICLES

Watchdog: Tax hike for Brevard schools OK with you? (74)

## Szemer, Donna

---

**From:** mayadvn@msn.com  
**Sent:** Friday, June 25, 2010 3:47 PM  
**To:** Szemer, Donna  
**Subject:** Re: Bode-MSTM1008

Hey Donna, Bode was a female.

Maya

-----Original Message-----

**From:** Szemer, Donna  
**To:** mayadvn@msn.com  
**Subject:** Bode-MSTM1008  
**Sent:** Jun 25, 2010 3:44 PM

Hi, Maya-

Can you verify the sex of Bode/MSTM1008? The web has it listed as a female, but our rescue report state and field staff believe it is a male. I figure it may be a typo.

Thanks,  
Donna

Sent via BlackBerry by AT&T

## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Friday, June 25, 2010 2:20 PM  
**To:** Szemer, Donna  
**Subject:** RE: REC1010

Bode is a male.

-----Original Message-----

**From:** Szemer, Donna  
**Sent:** Friday, June 25, 2010 12:00 PM  
**To:** Spellman, Ann; Rush, Christine  
**Subject:** REC1010

Hey!

I notice that you have REC1010/MSTM1008 (aka: "Bode") listed as a male. In the web database, Miami Seaquarium has it listed as a female.

Just checking to be sure which it should be.

Thanks,  
D.

## 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 # MNE1104

Date of Report: 2011- Jan -11

Filed By: FWC MMPL

FWC Case # 0236

FWC Region: NE

Sex: Female

Length: 259.0 cm

Weight: Not Taken kg.

DATE REPORTED: 2011- Jan -09

By: Citizen to FWC NE Dispatch

DATE COLLECTED: 2011- Jan -09

By: FWC-JRP

DATE NECROPSIED: 2011- Jan -11

By: MMPL-MdW,AJG,MSF,ARH,MAC,KJR

LOCATION: State -- FL

Latitude: 29.315254 N

County -- Volusia

Longitude: 81.094910 W

Waterway -- Tomoka River

Locality description: Ormond Beach, floating across the canal from the residence at 424 Palm Ave.

CONDITION: Badly Decomposed

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

Explain: Bleached, spongy epidermis; cold stress lesions; swollen flippers; wet lungs; fluid pleural cavities;  
fluid-filled upper GI; abscess peduncle; red discolored colon; lesions lung; dry digesta,  
feces; Abscess.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, scars, fluke

MATERIALS COLLECTED:

genetics, carbone, ELISA toxicology samples, pelvic bones.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements

REMARKS:

PIT tag scan positive (Left 00-0695-B231; Right 00-0695-A308). Known as "BODE", MSTm1008, rescued in Feb 2010 for cold stress, released in May 2010. White scarring flippers. Recovered with MNE1103.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	26 APR 12
NecrReport	26 APR 12
Lat/Long	26 APR 12



Field ID # MNE1104

**MORPHOMETRICS :**

Total length:	259.0 cm	Fluke base:	81.0 cm	Girth at axillae:	N/T
Snout to anus:	170.0 cm	Fluke width:	69.0 cm	Flipper length:	N/T
Snout to U/G:	155.0 cm	Girth at fluke base:	N/T		
Snout to umbilicus :	96.0 cm	Girth at anus:	N/T		
Flipper width:	15.0 cm	Girth at umbilicus:	N/T	(Nail count: R -	L - )

	Ventral	Lateral
Skin Thickness	N/T	N/T
Outer Blubber Thickness	N/T	N/T
Inner Blubber Thickness	N/T	N/T

## Natural Cold Stress

## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
04 March 2010, at 1720 hrs:	<p>On-call FWC-biologist C. Hudak (CAH) responded to a page from FWC-dispatch Orlando regarding a beached manatee in the Sebastian Inlet State Park. FWC-case number 2030 was assigned. The complainant, Lori Veder (772-589-9659) was on the beach when a small, sub-adult manatee that came ashore in a last attempt to get warm. CAH immediately contacted FWC-biologist C. Rush (CNR) to inform her of the situation. CNR and FWC-biologist A. Spellman (ACS) were at the Cocoa Landfill dumping the remains of MEC10100 at the time. CNR informed CAH that she or ACS would make contact with park staff. ACS made contact with the Sebastian Inlet State Park Staff and directed them to get the manatee as warm as possible with blankets. CNR and ACS stopped by the ECFL to swap the truck and trailer for the Suburban. CNR contacted SeaWorld to inform them of the situation. SeaWorld confirmed that they were able to accept the manatee.</p> <p>CNR contacted the park to inform them that she and ACS were about 10 minutes out and inquired about the manatee. Park staff informed CNR that the manatee was left on the beach with a few park guests and was uncertain of the manatee's current condition. A few minutes later, CNR was informed that the manatee had expired. CNR requested that no one leave since the carcass had to be recovered from the beach. Despite requests, everyone, except for one park</p>

## Rescue Report

staff member, Alley, went home. Since the manatee was too heavy to get off of the beach, and the lack of proper equipment to remove it, CNR and ACS secured the manatee with a rope and sank a bucket into the sand so the carcass would not drift into the ocean over night. CNR contacted SeaWorld to inform them of the outcome.

05 March

CNR secured a front loader from Indian River Counties Public Works, which was working on beach restoration a few miles south of where the carcass was. CNR and FWC-Intern J. Long (JML) assisted with loading the manatee into the front loader and off of the beach. The carcass was loaded into the carcass trailer on the side of the road. The carcass was transported to the MMPL, along with MEC10106 and MEC10107 by FWC-volunteer D. Schwartz.

### Participants:

FWC: C. Rush, A. Spellman

**Total time: 4 hrs**

**REC1011**

Attachments: map

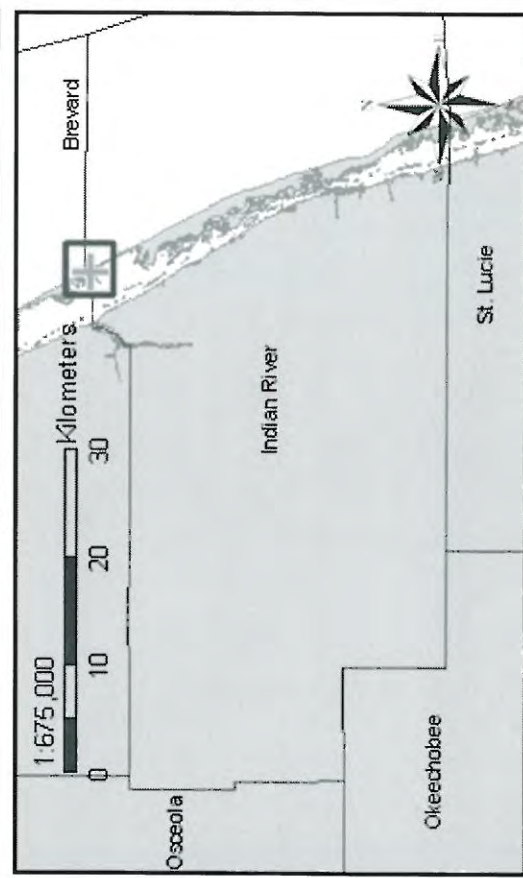
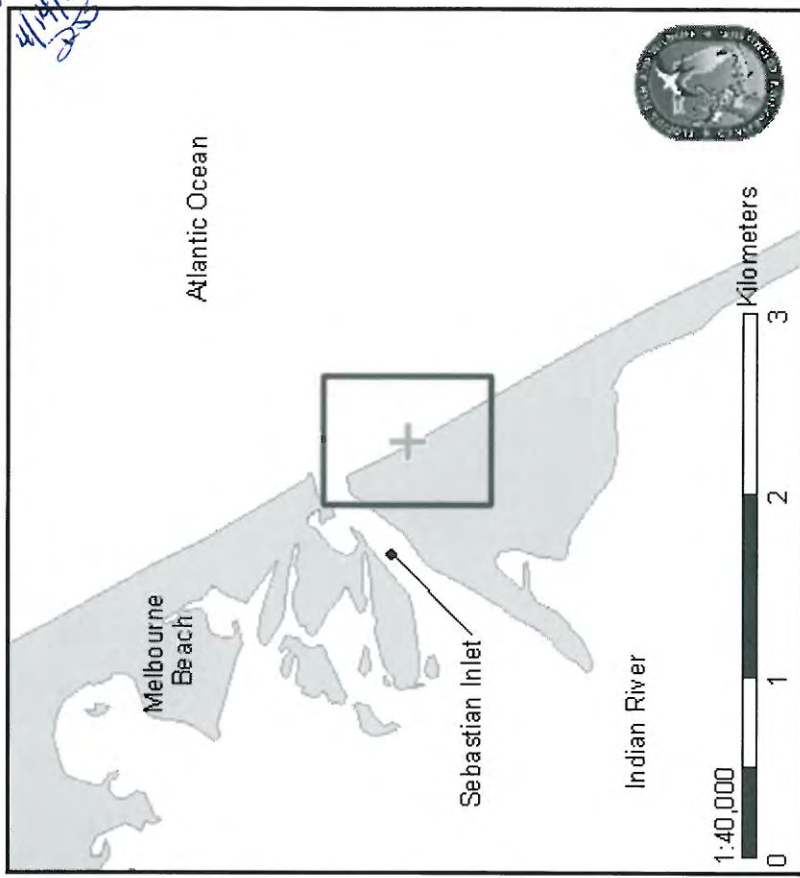
cc: FWRI, Field Labs, ISM, SWF, FWS





# Verified Rescue Location of Manatee REC1011/MEC10108

Extend  
4/14/10  
DSS



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	REC DATE	REC BY	MAP BY
4	3	2010	REC1011	27.856939	-80.445558	3/5/2010	CHIR, JML, DSS	CHIR

## Rescue Report



## FLORIDA FISH AND WILDLIFE COMMISSION

## MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 22 June 2010

**SUBJECT:** The attempted rescue and subsequent death of a manatee on the beach at the Sebastian Inlet State Park on 04 March 2010 (REC1011/MEC10108).

The attached rescue report for **REC1011** includes:

- ☒ Narrative (MS Word)
- ☐ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

# 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 # MEC10108  
Date of Report: 2010- Mar -09  
Filed By: FWC MMPL

FWC Case # 2030

FWC Region: NE

Sex: Male

Length: 230.0 cm

Weight: 205.0 kg.

DATE REPORTED: 2010- Mar -04

By: Citizen to FWC NE Dispatch

DATE COLLECTED: 2010- Mar -05

By: FWC-CNR,JML

DATE NECROPSIED: 2010- Mar -08

By: MMPL-MdW,BLB,KJR,ARH,AJG

LOCATION: State -- FL

Latitude: 27.856939 N

County -- Indian River

Longitude: 80.445558 W

Waterway -- Atlantic Ocean

Locality description: Melbourne Beach, Sebastian Inlet State Park, beached approximately 370 m S of the inlet's southern jetty.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

Explain: Spongy,thickened,bleached epidermis;cold stress lesions;folds ventrum;serous fats;dry feces;empty upper GI,cecum;bloody lungs;discolored GI mucosa;dark line kidneys;congested organ;  
black grey specks.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, scars, fluke

MATERIALS COLLECTED:

genetics, earbone, ELISA toxicology samples, feces for Janet Lanyon.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements

REMARKS:

PIT tag scan negative. See rescue report REC1011.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	10 MAR 11
NecrReport	10 MAR 11
Lat/Long	18 MAR 11



# Rescue Report

Entered  
Updated  
3/24/10

Resc / Rel  
3/7/11  
Natural  
Cold Stress

## GENERAL:

Elke Mae

Date of Rescue: 08 March 2010 Date of Initial Call: 08 March 2010 Filed by: A. Spellman  
Rescue ID#: REC1012 Facility ID: SWFTm1010 FWC Case: N/A Officer Name: N/A  
Sex: Female Length: 245cm Estimated: No  
PIT Tag Applied: No PIT Tag Present: No #R ☐☐-☐☐☐☐-☐☐☐☐ L ☐☐-☐☐☐☐☐☐☐  
LOCATION:  
State: FL City: Satellite Beach County: Brevard Waterway: Desoto Canal (Banana River)  
Latitude (Decimal Degrees): 28.163744°N Longitude (Decimal Degrees): -080.603032°W  
Locality Description: Behind 615 Desoto Lane in flooded drainage ditch  
Method of Capture: net set from land

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe: \_\_\_\_\_

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:** \_\_\_\_\_

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments: \_\_\_\_\_

Gear Retained? ☐ Y ☐ N



# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## HISTORY

Date	Narrative
08 March 2010	<p>While conducting daily assessments of manatees for cold stress in a canal off Desoto Parkway in Satellite Beach, FWC-biologist A. Spellman (ACS) spotted a manatee that she and fellow FWC-biologist C. Rush (CNR) had some concerns about the previous week. Assessment of the manatee indicated that the sub-adult was suffering from cold stress and was not improving. It was sporting a thick growth of bright green algae on its dorsum, had multiple cold stress lesions around the face and body and was relatively lethargic. ACS decided to initiate a rescue and contacted CNR for help. ACS also contacted SeaWorld Animal Care staff who advised they could accept the manatee but not participate in the rescue. ACS advised she would find a crew of local volunteers and if successful would bring them a sub-adult manatee. ACS was successful in getting the assistance several volunteers from Hubbs-SeaWorld Research Institute, the Sea Turtle Preservation Society and two of her interns. CNR borrowed an enclosed vehicle from the FIM staff at the field lab and brought the necessary rescue gear along with her to the site. ACS kept track of and documented the manatee while waiting for everyone to arrive.</p> <p>Once assembled, ACS instructed staff on the capture technique and approach as well as on safety issues and that they would be trying to catch one manatee in a canal with several other manatees present. ACS, CNR and intern J. Long approached the manatee from the embankment on the south side of the canal</p>

## Rescue Report

and worked the net down the embankment, gently placing it over and past the manatee, basically netting it to shore in one calculated movement. As soon as the manatee was surrounded, ACS had remaining staff approach with the stretcher from the other embankment and after some fight from the manatee, the crew was able to work the thrashing manatee into the stretcher and walk it back across the canal to the north side. With the assistance of all the volunteers and some folks watching from shore, the manatee was hauled out of the water and up the embankment to the waiting Suburban. It was placed in the truck on closed cell foam. CNR and intern J. Ludema quickly wrapped it up in a space blanket and a cloth blanket and stayed with it to monitor it. ACS drove with the other intern, J. Long the passenger seat. The heat was turned on to try and warm the manatee on the ride to SWF. Upon arrival at SWF, the manatee was removed from the truck and placed in a warm medical pool.

**Participants:** J. Ludema, J. Long  
Hubbs-SWRI  
STPS volunteers

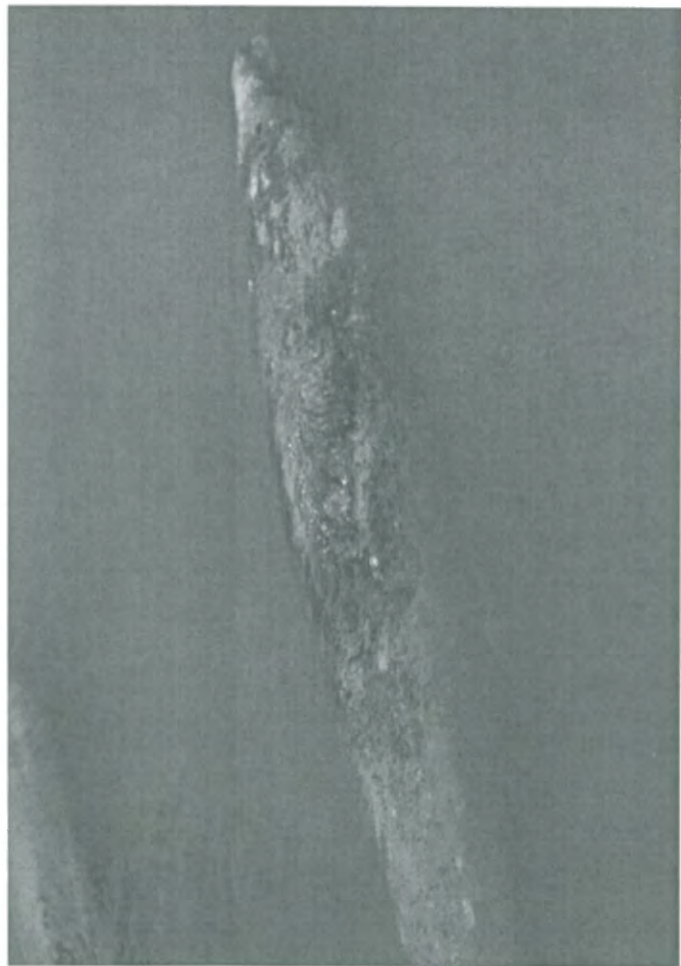
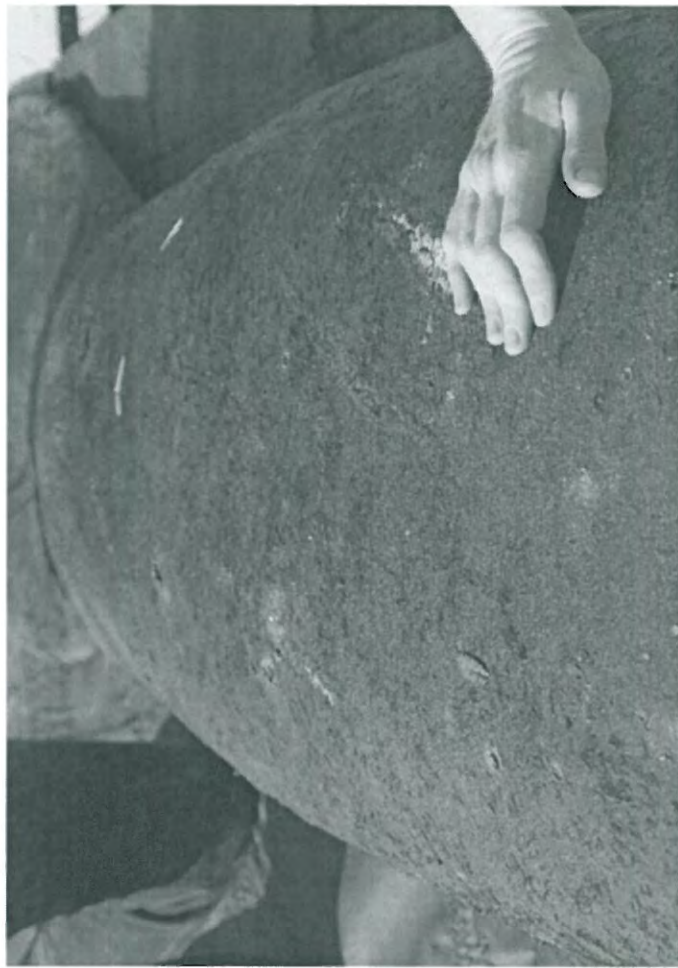
**REC1012**

Attachments: map

Photos: FWC008:0828-0835, 0854-0856, 0862, 0867-0870, 0895-310:1030

cc: FWRI, Field Labs, ISM, SWF, FWS





SWFTM1010B / REC1012



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Indian River Lab, Melbourne

**DATE:** 14 July 2010

**SUBJECT:** The rescue and transport of a severely cold-stressed, sub-adult manatee from the Desoto Canal in Satellite Beach, Brevard County on 08 March 2010  
(**REC1012/SWFTm1010**).

The attached rescue report for **REC1012** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



Entered  
4/14/10  
SSSResc**Manatee Information (MLog:1169 )**Animal ID: **SWFTm1010B** Sex: **F** Name: Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 03/08/2010    **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** No information on potential pregnancy is known

## -- Rescue Location Information -----

**State:** FL    **County:** Brevard    **City:** Indian Harbor Beach, FL**Waterway:** Desoto Canal**Latitude:** 28.163744    **Longitude:** -80.603032**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 251    **Estimated Weight?:** No    **Date Weighed:** 03/08/2010**Length (cm):** 245    **Estimated Length?:** No    **Date Measured:** 03/08/2010

## -- Other Rescue Information -----

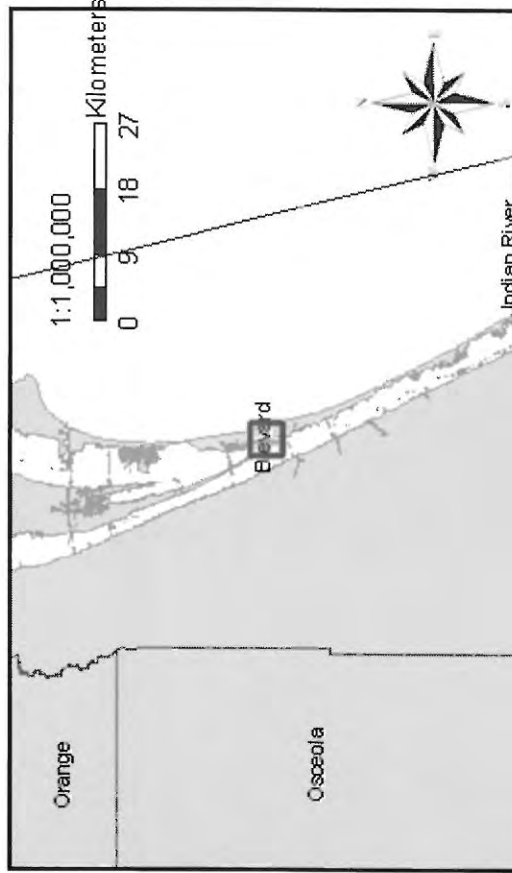
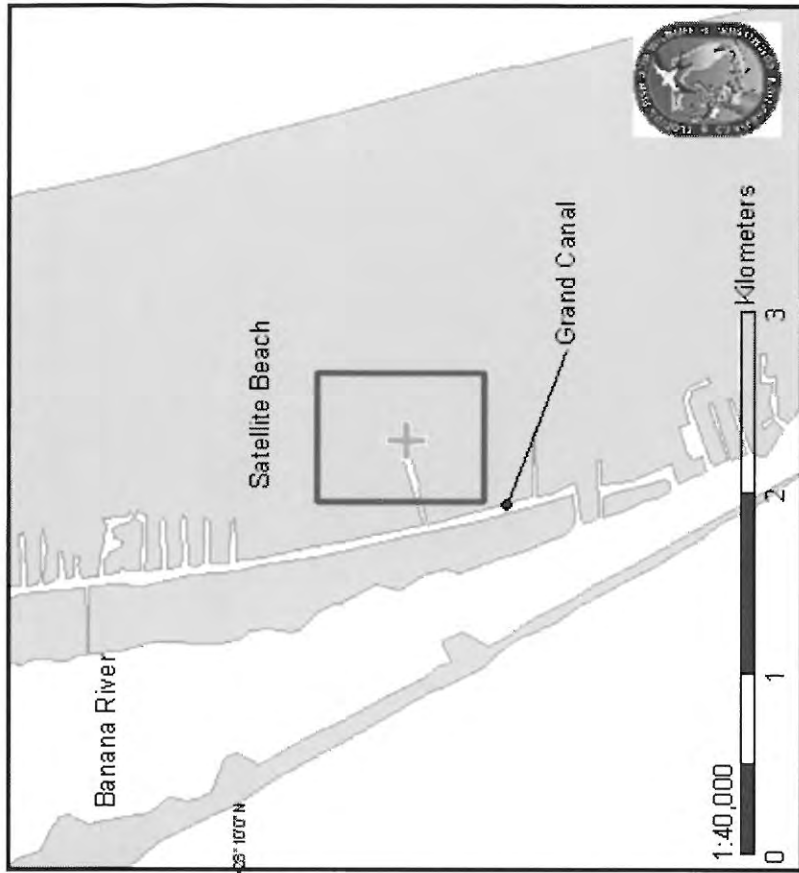
**Tracker:**    **Transporter:** FWC Indian River Field Station**Facility transported to:** SeaWorld Florida**Veterinarian:** Scott Gearhart    **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Flood Gate:**    **Pot Status:****Additional Narrative:** Animal rescued and transported by FWC

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 04/04/2010**Updated By:** D    **Updated Date:** 04/04/2010

REC1012

# Verified Rescue Location of Manatee REC1012/SWFTm1010



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
8	3	2010	REC1012	28.163744	-80.603032	3/8/2010	FWC	ACS

**Manatee Information (MLog:1169 )**Animal ID:**SWFTm1010B** Sex:**F** Name:**EllieMae** Rearing:**Wild reared**

## -- Release Information -----

**Release Date:** 03/07/2011

## -- Release Location Information -----

**Release Site:** Berkeley Canal**State:** FL **County:** Brevard **City:** Satellite Beach**Waterway:** Berkeley Canal

## -- Measurement -----

**Weight (kg):** 309 <sup>130 lbs</sup> **Estimated Weight?:** No **Date Weighed:** 10/20/2010**Length (cm):** 257 <sup>252 cm</sup> **Estimated Length?:** No **Date Measured:** 10/20/2010

## -- Other Release Information -----

**Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:** None**Veterinarian:** Scott Gearhart**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Additional Narrative:** Animal was originally rescued from the DeSoto Canal, will be released with another animal (SWFTm1011B).Photos taken by FWC to send to Sirenia

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/08/2011**Updated By:** D **Updated Date:** 03/08/2011*Entered  
3/8/11*



**Manatee Information (MLog:1169 )**Animal ID:**SWFTm1010B** Sex:**F** Name:**EllieMae** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 03/07/2011    **Tag ID** 0006F3EBBB**Tag ID** 0006F3EBBB**Information:** Pit tagged in left shoulder area for release.**Event:** Rescue    **Event Date** 03/08/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/08/2011**Updated By:** D    **Updated Date:** 03/08/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 03/07/2011    **Tag ID** 0006E753D0**Tag ID** 0006E753D0**Information:** Pit tagged in right shoulder area for release**Event:** Rescue    **Event Date** 03/08/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/08/2011**Updated By:** D    **Updated Date:** 03/08/2011

Entered  
3/8/11  
DSS  
PIT &  
Captive



# Rescue Report

Entered  
4/14/10  
255

Rescue 1 Rel  
3/7/11  
Natural  
Cold Stress

## GENERAL:

Date of Rescue: 09 March 2010	Date of Initial Call: 08 March 2010	Filed by: A. Spellman
Rescue ID#: REC1013	Facility ID: SWFTm1011	FWC Case: N/A
Sex: Female	Length: 195 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R
LOCATION:		"Estelle" L
State: FL	City: Satellite Beach	County: Brevard
Latitude (Decimal Degrees): 28.1619°N		Waterway: DeSoto Canal, Banana River
Longitude (Decimal Degrees): -080.604024°W		
Locality Description: In a small canal off of the Desoto canal behind 826 Veronica Ct.		
Method of Capture: Net set from land		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#:

Color:

Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm  
Comments:

Gear Retained? ☒ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
	<p><b><u>Pre-Rescue Note:</u></b> The manatee this report refers to was one of several manatees that FWC-ECFL field staff was monitoring during the cold snap in January 2010 for possible cold-stress requiring medical intervention. It disappeared for several weeks and went unaccounted for during the month of February until it was sighted in the same canal off Desoto Pkwy, where it was originally spotted in January.</p> <p>While en-route to SeaWorld (SWF) with a badly cold -stress injured, sub-adult manatee pulled from Desoto Canal in Satellite Beach, FWC-biologist A. Spellman (ACS) received a call from marine mammal physiologist Dr. Graham Worthy, who was visiting the manatee aggregation site with his family. Dr Worthy asked ACS if she had seen the manatee way off to the side with a big split in its tail. He said the manatee did not look well. ACS immediately knew that the manatee he was referring to was one that ECFL staff had been trying to locate and extract for some time due to its tail injuries and its overall poor physical appearance. ACS asked Dr. Worthy to send the photos his wife, Tamara Worthy had taken to her e-mail address and explained that they would try to stop back at the canal that evening after delivering the most recent rescue to SWF, to see if they could find the manatee.</p> <p>Upon returning to Satellite Beach that evening around 2000hrs, ACS and FWC-biologist C. Rush (CNR) were able to locate and confirm that the manatee was</p>

## Rescue Report

the one they were concerned about and that they would try to rescue it the following morning.

09 March 2010

ACS returned early in the morning to the Desoto canal and was able to quickly locate the manatee in question. ACS contacted CNR as well as intern J. Long, former intern J. Ludema who was in town visiting, and SeaWorld to ask for assistance with a land set and to secure a spot for it at SWF. While waiting for additional staff to assist, ACS had to deal with news helicopters flying low into the area directly above the manatee to cover the story. The presence helicopters and the noise they generated seemed to irritate the manatee in question and it swam out of the canal causing staff to lose sight of it. ACS contacted the news stations and explained the situation. It was only with some reluctance that the news helicopters left the area. On a hunch, ACS drove to a feeder canal to the south of the Desoto canal and connected to it by a culvert pipe. ACS was successful in locating the manatee at its south end. ACS called SWF staff directly and informed them of the change in location but took care not to tip off the press in an effort to avoid another disturbance that might send the manatee out into the river.

Once the SWF staff arrived, a small capture net was deployed over the culvert the manatee had swum through to get into the small feeder canal. This net was monitored by two biologists to make sure no other manatees got caught coming in, and to prevent the injured manatee from exiting, should it get under the capture net. The capture net was then deployed at the south end of the feeder canal. The manatee was successfully bagged in the net as it was pulled to shore. The manatee was hauled up the embankment then laid on the ground and wrapped up in a space blanket as well as a cloth blanket, while SWF staff pulled their truck around closer to the extraction site. The manatee was carried to the truck and loaded for the trip back to SWF.

### Participants

FWC: A. Spellman, C. Rush, Intern-J. Long, Former Intern-J. Ludema

SWF Animal Care Staff

REC1013

Attachments: map

Photographs: FWC008\_310:1091-311:1187

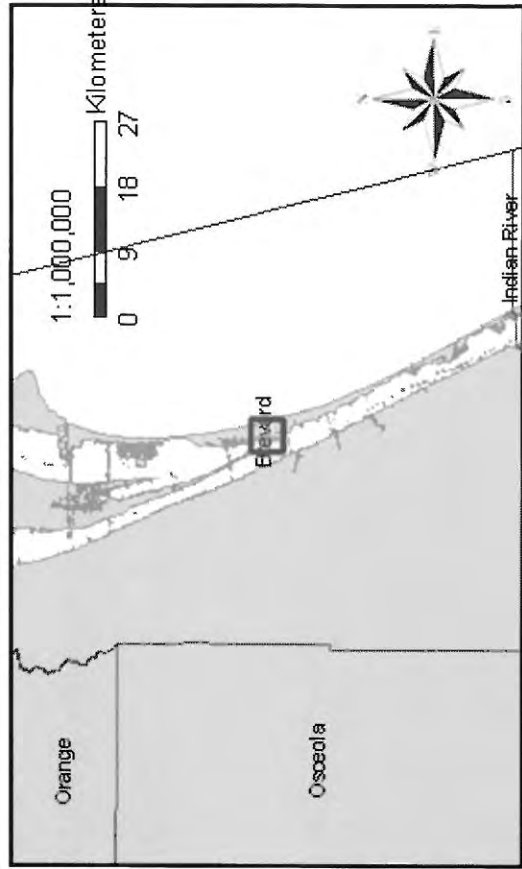
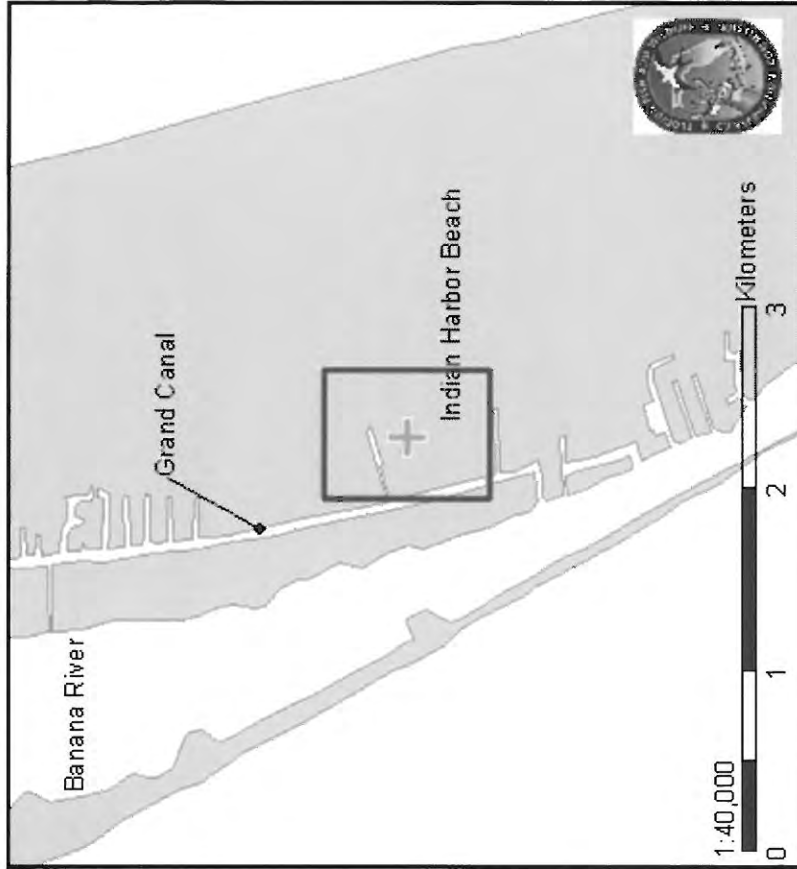
Cc: L. Ward, Field Labs, MMPL, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF

## Rescue Report





# Verified Rescue Location of Manatee REC1013/SWFTm1011



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
8	3	2019	REC1013	28.1619	-80.604024	3/9/2010	FWC, SW	ACS

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 22 June 2010

**SUBJECT:** The rescue of a cold-stressed, sub-adult, female manatee from a canal in  
Satellite Beach on 09 March 2010 (**REC1013/SWFTm1011**).

The attached rescue report for **REC1013** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

*Entered  
4/14/10  
JSS*

**Manatee Information (MLog:1170 )**

Animal ID:**SWFTm1011B** Sex:**F** Name: Rearing:**Wild reared**

-- Rescue Information -----

**Rescue Date:** 03/09/2010 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress

**Primary Cause Text:**

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Critical

**Suspected Pregnant:** No information on potential pregnancy is known

-- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Indian Harbor Beach, FL

**Waterway:** Desoto Canal

**Latitude:** 28.161900 **Longitude:** -80.604024

**Relocated, where?:**

**Did animal die during rescue or transport?:** No

-- Measurement -----

**Weight (kg):** 135 **Estimated Weight?:** No **Date Weighed:** 03/09/2010

**Length (cm):** 195 **Estimated Length?:** No **Date Measured:** 03/09/2010

-- Other Rescue Information -----

**Tracker:** **Transporter:** SeaWorld Florida

**Facility transported to:** SeaWorld Florida .

**Veterinarian:** Laura Croft **Organization:** SeaWorld Florida

**Participating Org:** FWC-Indian River Field Lab SWF Rescue crew

**Flood Gate:** **Pot Status:**

**Additional Narrative:** Animal was originally in the Desoto Canal but then got spooked and went under street through culvert into small drainage canal in residential area and was rescued from there.

-- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 04/04/2010

**Updated By:** D **Updated Date:** 04/04/2010

*REC1013*



Home : News : Orange News :

Hot Stories this Month

SeaWorld Orlando's Animal Rescue Team rescues young female manatee on Tuesday from a canal near Satellite Beach. This was the park's 11th cold-stress manatee rescue this year - an unusually high number due to Florida's unseasonably cold and extended winter.

The approximately five-foot-long sea cow remains in guarded condition at SeaWorld's Manatee Rehabilitation Center, where she is being treated by park veterinarians and animal care specialists in hopes of releasing her back to nature.

SeaWorld is the global leader in the rescue and rehabilitation of manatees. The park's Animal Rescue & Rehabilitation Team is on call 365 days a year, 24 hours a day. SeaWorld has released seven manatees this year.

Deal of the Day: March 11, 2010

New on the Web Today

Indigoo hearing scheduled for Anthony

Tips for shopping healthy

How to recognize obesity in your kids

Escaped inmate may have fled Florida

Deal of the Day: March 10, 2010

It's a boy! Giraffe born at Brevard Zoo

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Dr. Drew Pinsky Stalker Arrested (iVillage)

Go green with your pet (All You)

Rescuers saving manatees from cold (MyFox Tampa Bay)

Deal of the Day: March 5, 2010

Fatal shooting at Orlando Publix

Boy Hailed a Hero for 911 Call, Saves Parents from Armed Robbers

Man falls from balcony in Daytona Beach

Orlando loses Notre Dame game

Fantasyland expansion begins at Disney

SWFTH1011B  
REC1013



**Manatee Information (MLog:1170 )**Animal ID:**SWFTm1011B** Sex:**F** Name:**Estelle** Rearing:**Wild reared**

## -- Release Information -----

**Release Date:** 03/07/2011

## -- Release Location Information -----

**Release Site:** Berkeley Canal**State:** FL **County:** Brevard **City:** Satellite Beach**Waterway:** Berkeley Canal

## -- Measurement -----

**Weight (kg):** 227 <sup>560 lbs</sup> **Estimated Weight?:** No **Date Weighed:** 10/20/2010**Length (cm):** 221 <sup>209 cm</sup> **Estimated Length?:** No **Date Measured:** 10/20/2010

## -- Other Release Information -----

**Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:****Veterinarian:** Scott Gearhart**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Additional Narrative:** Animal was originally rescue from DeSoto Canal, will be released with another animal (SWFTm1010B)Photos taken by FWC for Sirenia

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/08/2011**Updated By:** D **Updated Date:** 03/08/2011*Entered  
3/8/11  
SS*

**Manatee Information (MLog:1170 )**Animal ID:**SWFTm1011B** Sex:**F** Name:**Estelle** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 03/07/2011    **Tag ID** 0006E75D3A**Tag ID** 0006E75D3A**Information:** Pit tagged in left shoulder area for release.**Event:** Rescue    **Event Date** 03/09/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/08/2011**Updated By:** D    **Updated Date:** 03/08/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 03/07/2011    **Tag ID** 0006F3D56C**Tag ID** 0006F3D56C**Information:** Pit tagged in right shoulder area for release.**Event:** Rescue    **Event Date** 03/09/2010

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/08/2011**Updated By:** D    **Updated Date:** 03/08/2011

Entered  
3/8/11  
DJS  
Captive +  
PIT

# Rescue Report

Entered/Updated  
8/25/10  
DJS

Rescued/Died  
3/12/10  
Natural  
Cold Stress

## GENERAL:

Date of Rescue: 10 March 2010	Date of Initial Call: 10 March 2010	Filed by: C. Rush
Rescue ID#: REC1014	Facility ID: MSTm1011	FWC Case: N/A
Sex: Male	Length: 230 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Vero Beach	County: Indian River
Latitude (Decimal Degrees): 27.652329°N		Longitude (Decimal Degrees): -080.387318°W
Locality Description: Behind 3014 Nassau Drive.		
Method of Capture: Net set from a boat.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe:

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
10 March 2010, at 0900 hrs	<p>FWC-C. Rush (CNR) received a call on her Nextel from Indian River Mosquito Control-R. Robison (RR) regarding a manatee that was very pale in color and acting lethargic. RR informed CNR that he was in the canal system at Royal Palm Point and Indian River Blvd. and was following the manatee with his boat. RR informed CNR that he would stay with the manatee for as long as CNR needed him. After speaking with RR, CNR contacted FWC-A. Spellman (ACS) to inform her of the situation since CNR had two carcasses in tow. ACS requested that CNR turn around to verify that the manatee was in need of a rescue.</p> <p>CNR stayed in contact with RR en route to the manatee. RR informed CNR that the manatee had moved to the canal near the run off at Nassau Drive. CNR arrived at 0930 hrs and boarded RR's boat to get a closer look at the manatee. CNR determined that the manatee was in need of a rescue and contacted ACS to inform her of the situation. CNR contacted SeaWorld to see if they were available to assist with the rescue, but they were unable to assist or accept the manatee. CNR contacted FWC-A. Garrett to inform him of the rescue and it was decided that the manatee would have to be transported to the Miami Seaquarium. CNR then contacted the SEFL to see if any staff was available to assist in the rescue. ACS also rented a U-Haul and loaded it with the rescue equipment. Meanwhile, ACS contacted the FWS office near Vero Beach to see if anyone could assist from there as well. CNR also contacted FWC-volunteer</p>



## Rescue Report

S. Cox and Indian River Natural Resources-B. Powell, who both agreed to assist. RR also offered his help as well as other workers from the county. After watching the manatee for a few hours, RR dropped CNR off on land and continued on with his work until the rescue. ACS met up with CNR and they kept an eye on the manatee. At 1530 hrs, the rescue crew met at the McWilliams Boat Ramp and motored over to the canal. There were three manatees total in the canal, so FWC-J. Cassady set the net from the boat across the canal and shut off the engine. Multiple members of the crew entered the water to carefully work out the two manatees that were not in need of the rescue. At approximately 1700 hrs, the manatee was brought on board, which was stationary at the dead end of the canal. The manatee was placed into a stretcher and the boat was rotated around to the shore. The manatee was quickly pulled up the embankment and loaded into the U-Haul. The manatee was transported to the Miami Seaquarium by ACS and CNR, arriving at 2145 hrs.

### Participants:

FWC: C. Rush, A. Spellman, J. Cassady, R. Berger, S. Cox (volunteer)

FWS

Indian River Natural Resource Management

Indian River Mosquito Control

Palm Beach P.D.

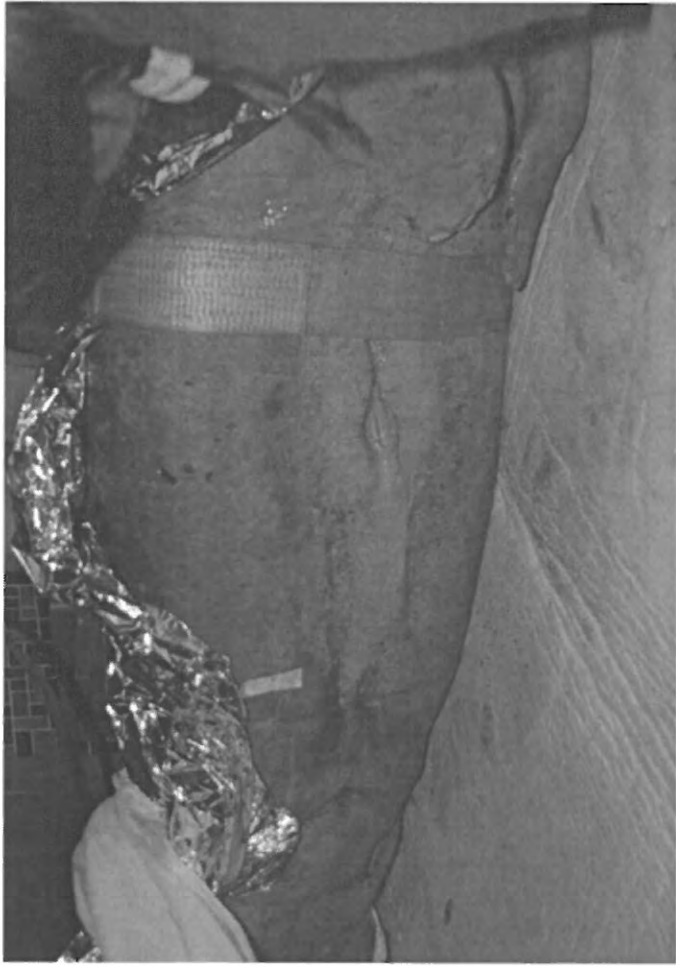
**Total time:** 16 hrs.

**REC1014**

Attachments: map, Photos

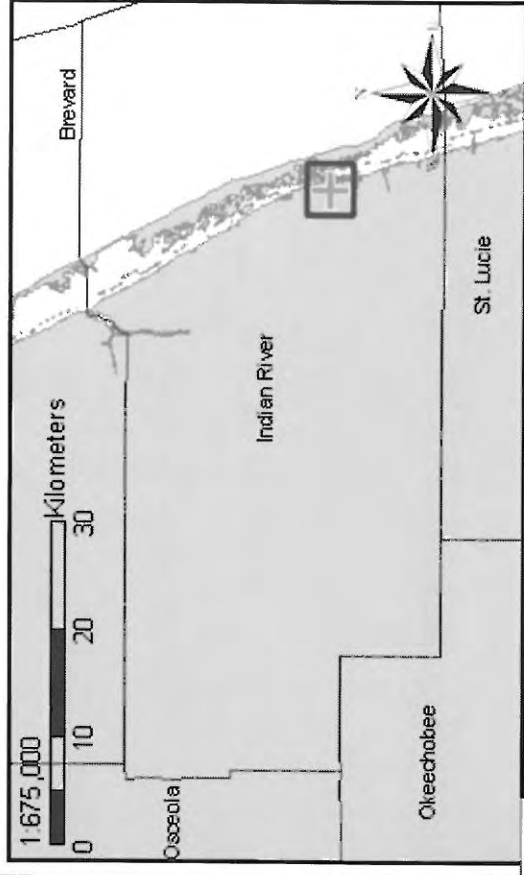
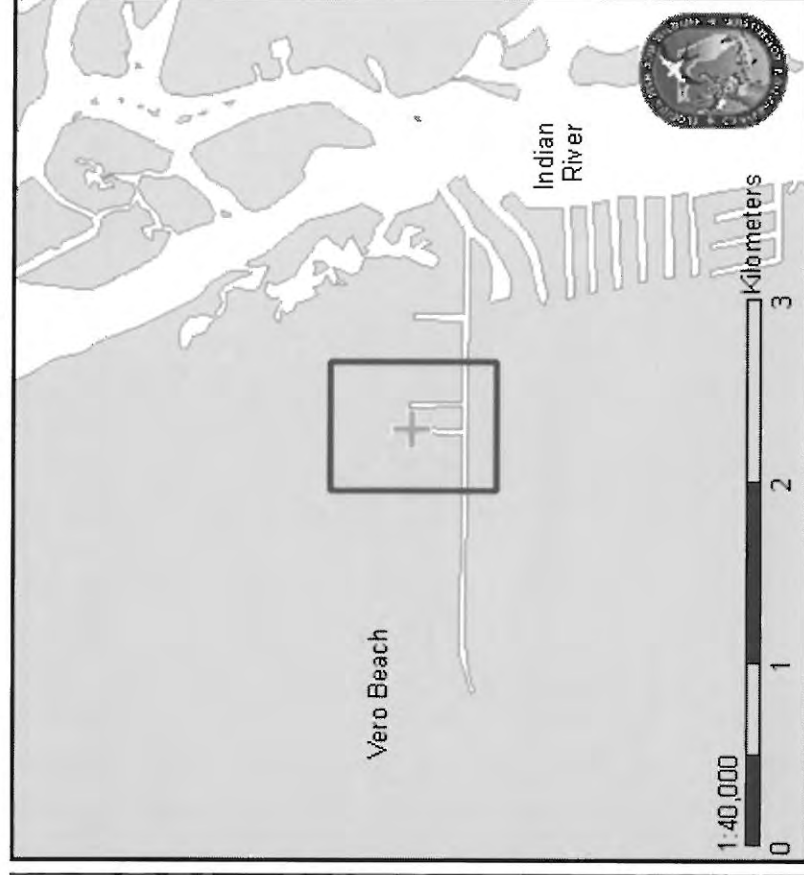
cc: FWRI, Field Labs, ISM, FWS





HSTM1011 / REC1014

# Verified Rescue Location of Manatee REC1014/MSTm1011



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
10	3	2010	REC1014	27.652329	-80.387318	3/10/2010	FWC,FWS	CIIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 22 July 2010

**SUBJECT:** The rescue of a cold stressed manatee from Vero Beach on 10 March 2010  
(REC1014/MSTm1011).

The attached rescue report for **REC1014** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



Resc./Dth  
3/12/10Entered  
4/14/10  
DSS**Manatee Information (MLog:1166 )**Animal ID: **MSTm1011** Sex: **M** Name: Rearing: **Wild reared**Natural  
Cold Stress

## -- Rescue Information -----

**Rescue Date:** 03/11/2010 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** Animal sex is male or unknown

## -- Rescue Location Information -----

**State:** FL **County:** Indian River **City:** Vero Beach**Waterway:** Indian River**Latitude:** 27.652329 **Longitude:** -80.387318**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 340 <sup>205.5</sup> **Estimated Weight?:** Yes <sup>No</sup> **Date Weighed:** 03/10/2010 <sup>13</sup>**Length (cm):** 230 **Estimated Length?:** No **Date Measured:** 03/10/2010 <sup>13</sup>

## -- Other Rescue Information -----

**Tracker:** **Transporter:** FWC Indian River Field Station**Facility transported to:** Miami Seaquarium**Veterinarian:** Maya Rodriguez **Organization:** Miami Seaquarium**Participating Org:****Flood Gate:** **Pot Status:****Additional Narrative:**

## -- Report Information -----

**Created By:** Jodi Linvill **Created Date:** 03/13/2010**Updated By:** D **Updated Date:** 03/13/2010

REC1014

**Manatee Information (MLog:1166 )**Animal ID: **MSTm1011** Sex: **M** Name: Rearing: **Wild reared****-- Death Information -----****Death Date:** 03/12/2010**Death Occurred?:** During Rehabilitation**Was animal euthanized?****Death Cause:** Natural Cold Stress**Other Human-Related:****Death Location:** During Rehabilitation**-- Other Death Information -----****Facility:** Miami Seaquarium**Veterinarian:** Maya Rodriguez

**Additional Narrative:** This manatee, like a few others recently, is showing signs beyond the typical cold stress syndrome where the vascular and possibly respiratory and neurological systems are affected from subthermal temperatures. The size is also larger than the usual "cold stress" cases and is representative of the others coming in recently with similar signs and size.

**-- Report Information -----****Created By:** Maya Rodriguez **Created Date:** 03/14/2010**Updated By:** D **Updated Date:** 03/14/2010

# 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 # MSTm1011  
Date of Report: 2010- Mar -15  
Filed By: FWC MMPL

FWC Case #

FWC Region: NE

Sex: Male

Length: 230.0 cm

Weight: 205.5 kg.

DATE REPORTED: 2010- Mar -12

By: MSQ to FWC-CNR

DATE COLLECTED: 2010- Mar -12

By: FWC-CAH

DATE NECROPSIED: 2010- Mar -13

By: MMPL-MdW,KJR,ARH

LOCATION: State -- FL

Latitude: 27.652329 N

County -- Indian River

Longitude: 80.387318 W

Waterway -- Indian River

Locality description: Vero Beach, in the canal behind 3015 Nassau Dr.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

Explain: Thickened,spongy epidermis;cold stress lesions;peanut-shaped head;depleted,serous fats;dry,hard feces;relatively empty GI;bloody lung;dark line kidneys;enlarged,hemorrhagic lymph nodes; congestion.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, fluke, internal

MATERIALS COLLECTED:

histology, genetics, earbone, ELISA toxicology samples, feces for Janet Lanyon.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements, histology report, rescue report.

REMARKS:

PIT tag scan negative. See rescue report REC1014. Rescued on 10 March 2010.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	10 MAR 11
NecrReport	10 MAR 11
Lat/Long	18 MAR 11

Resc / Rel  
Natural 3/7/11  
Cold Stress

---

Transferred  
by: A. Spellman 3/10/10  
to SF. M

Filed by: A. Spellman 8/10/10  
to SF.

Officer-Name: N/A  
SWFTM 1012B

L   -     -    

Method of Capture: Net set from land

☐ Other: (Specify): \_\_\_\_\_

Describe:

☐ Other (Specify): \_\_\_\_\_

Line Type::

Gear Retained? ☐ Y ☐ N



## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### HISTORY

Date	Narrative
24 March 2010	<p>While performing cold stress assessments and photo-documentation on manatees aggregated in the Desoto Canal in Satellite Beach, FWC-biologists A. Spellman (ACS) and C. Rush (CNR) spotted a badly cold stressed manatee with three healing propeller wounds to its left side and what appeared to be multiple abscesses on the head and back. The manatee appeared to be underweight and lethargic as well. ACS and CNR agreed that the manatee was in need of medical intervention. ACS put a call into SeaWorld (SWF) to see if they had any available crew and they said they could spare a few folks to assist but that they could not accept the manatee. ACS contacted FWC-biologist A. Garrett to advise him of the rescue and asked if he could secure a spot for it at Lowry Park Zoo (LPZ). A. Garrett was able to contact the zoo and secure a spot. ACS also solicited the help of some Hubbs-SeaWorld staff members, and ECFL-intern J. Long. Using a capture net, crew quietly and slowly walked the net down the west embankment and around the manatee. It was quickly bagged then transferred into a stretcher and walked across the canal to the east side. From there it was hauled up the embankment and loaded into a waiting rented U-Haul van. CNR covered the manatee with a space blanket and then a cotton blanket and rode in the back with the manatee while ACS drove the van over to Lowry Park Zoo in Tampa. At LPZ, ECFL staff met with the animal care staff and veterinarian who assisted with unloading the manatee. The manatee was immediately treated and scrubbed down with Betadine. The abscess at one of the propeller wounds was drained and medicated before putting the manatee in</p>

## Rescue Report

the rehabilitation pool.

Due to participation by SWF staff an additional ID number of SWFTm1012 was assigned.

### Participants:

FWC: A. Spellman, C. Rush, Intern J. Long

SFW animal Care staff

Hubbs-SWRI staff

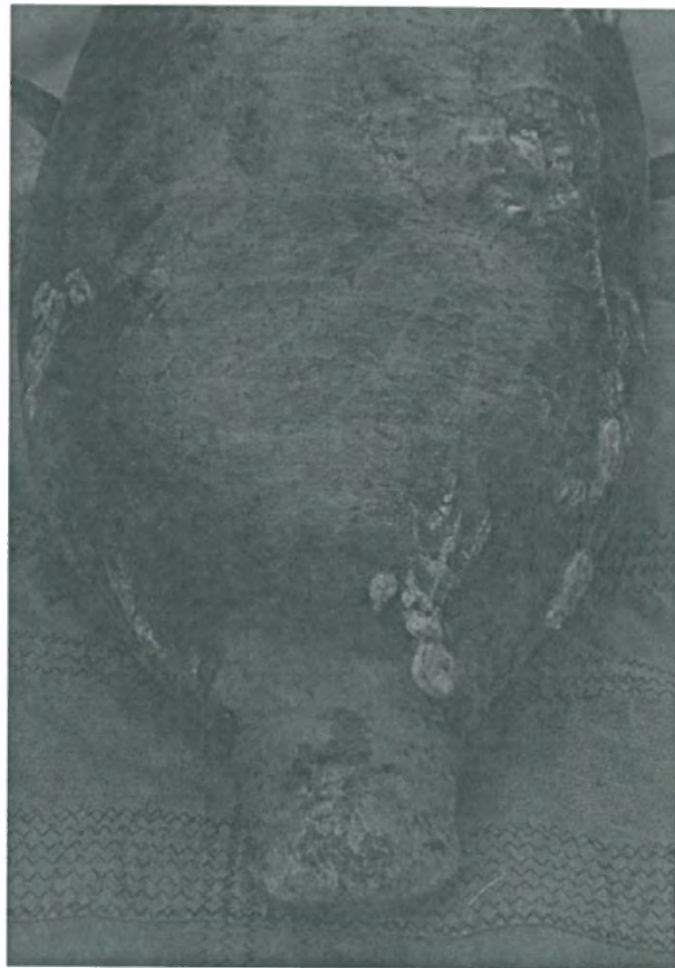
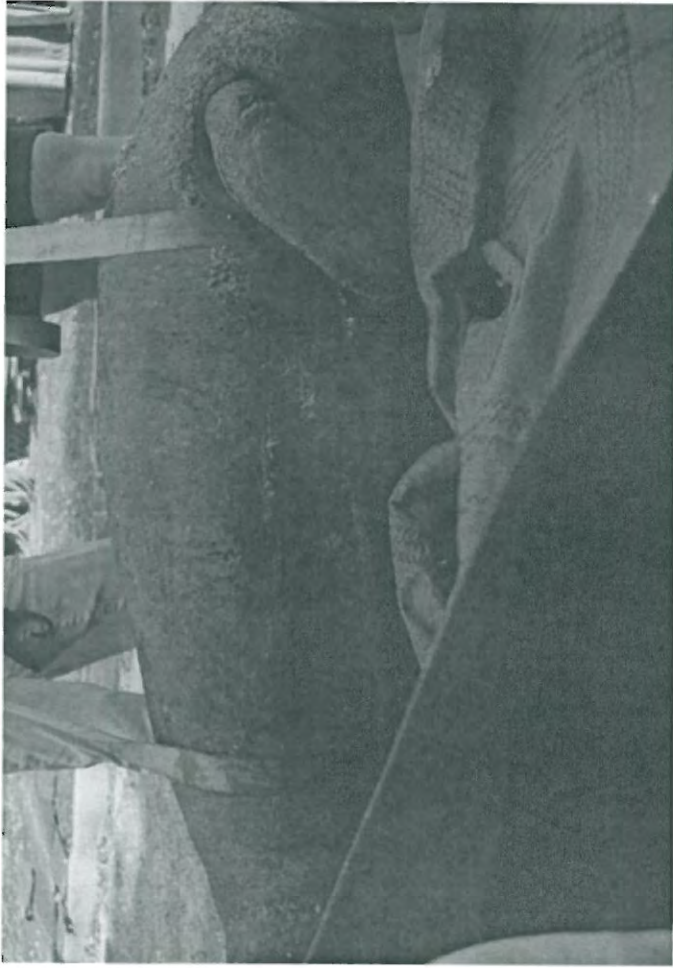
### REC1015

Attachments: map

Photos: FWC008\_313:1363-1372, 1385-1386, 1393-1402

cc: FWRI, Field Labs, ISM, SWF, FWS, LPZ



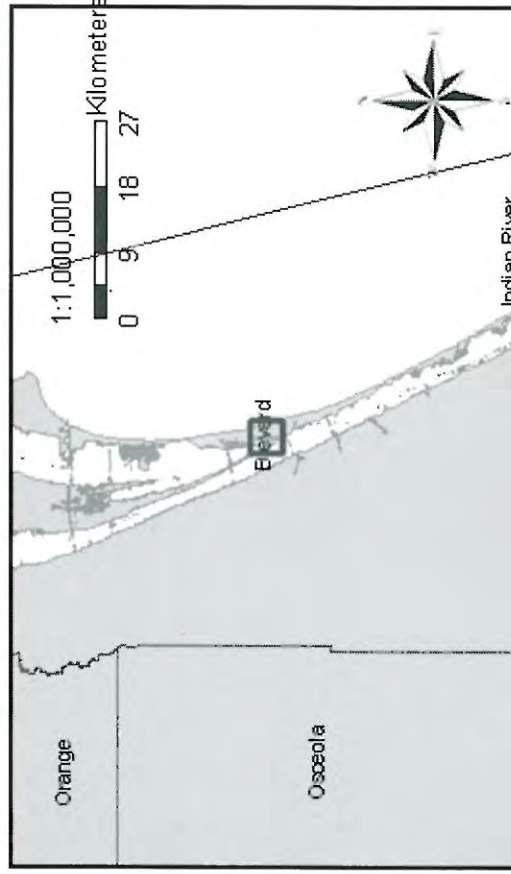
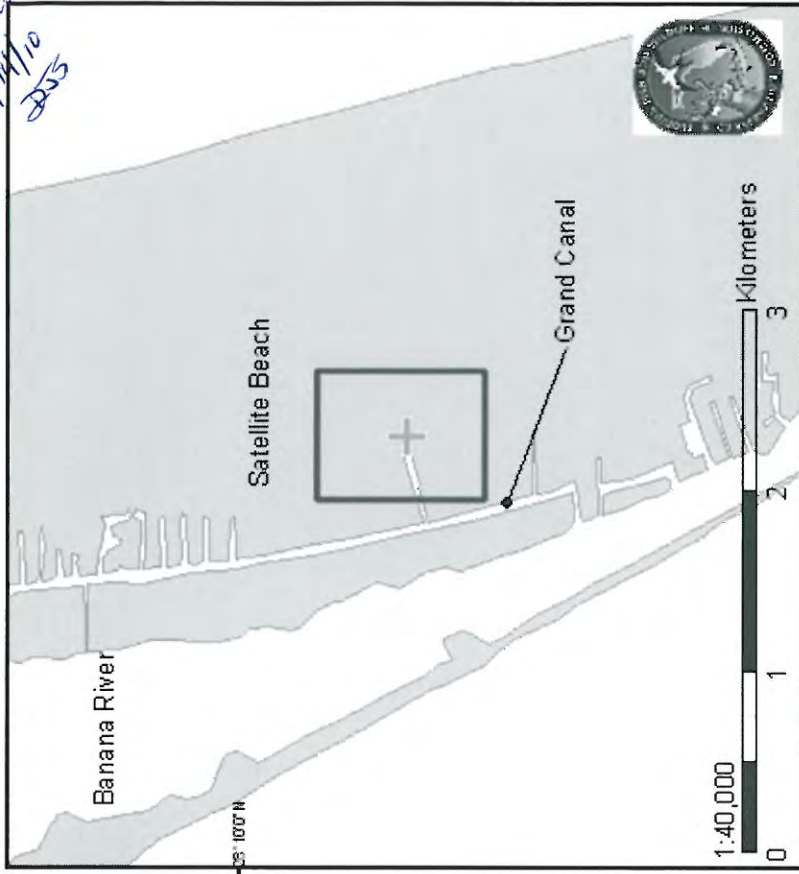


LPZ102817/REC1015/SWFTM 10126



# Verified Rescue Location of Manatee REC1015

Entered  
4/14/10  
JSS



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
24	3	2010	REC1015	28.163746	-80.603013	1/24/2010	ACS, CHIR	ACS



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate

**DATE:** 14 July 2010

**SUBJECT:** The rescue and transport of a badly cold stressed, sub-adult manatee with a healing watercraft injury from the Desoto Canal on 24 March 2010 (REC1015/LPZ102817).

The attached rescue report for **REC1015** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Posted on Tue, Mar. 08, 2011

## **3/8 LOCAL BRIEFS: Cold-stressed manatee is released**

Herald staff

**MANATEE** -- The animal care staff at the South Florida Museum's Parker Manatee Aquarium released a young female manatee, nicknamed "Dese" at 10:20 a.m. Monday from a residential area along the Berkley Canal near Satellite Beach on Florida's East Coast.

Twelve museum staff members and volunteers worked with United States Fish and Wildlife, Florida Fish and Wildlife and SeaWorld to transport the manatee to Satellite Beach, the area where she was originally found and rescued. The United States Fish and Wildlife Service transported Dese to the Lowry Park Zoo, a critical care facility, on March 24, 2010, for treatment of cold stress. On Aug. 9, 2010, Dese was transported to the South Florida Museum for continuing monitoring and care.

"Our team has been carefully monitoring Dese's progress and growth over the past six months," said Marilyn Margold, director of the Museum's Parker Manatee Aquarium. "Our goal was to ensure she eats properly utilizing feeding patterns wild manatees exhibit, can surface and dive and has reached a healthy weight prior to her return to the wild."

Dese was originally transferred to the Museum with another young female manatee, Brandee. Brandee will likely remain in the Museum's care until early 2012, or until she has reached the requirements for release.

The public is welcome to visit the South Florida Museum's Parker Manatee Aquarium to view Brandee, the young female manatee who continues to recover, as well as Snooty the manatee, as part of Museum general admission.

### **Bradenton Beer Fest tickets go on sale**

**BRADENTON** -- The Fourth Annual Bradenton Beer Fest is scheduled from 4-8 p.m. Saturday on Old Main Street.

Tickets are \$30 at the gate and \$25 in advance and are on sale at these Old Main Street locations: The Lost Kangaroo, Old Main Pub and O'Brick's Irish Pub. Tickets are also available at Evie's Tavern, 5955 Factory Shops Blvd., and Hickory Hollow Restaurant, 4705 301N., both in Ellenton, and these Sarasota locations: Evie's Tavern, 1989 Ringling Blvd.; Mr. Beery's, 2645 Mall Drive; and World of Beer, 8217 Tourist Ctr. Drive. Live music from the Tony Tyler Band starts at 4 p.m.

For day-of purchases only, bring a ticket stub from any Pittsburgh Pirates spring training game this season and get \$5 off.

### **T-shirt sales to benefit family of St. Pete officer**

**BRADENTON** -- Officers from the Bradenton Police Department are helping raise money for the family of David Crawford, the St. Petersburg police officer who was killed Feb. 21 in the line of duty, with the sale of memorial T-shirts during the Pirates baseball game March 19.

All proceeds from the sale of T-shirts will go to the Crawford family.

The shirts will be on sale outside the front gate of McKechnie Field before and during the 1:05 p.m. March 19, game pitting the Pittsburgh Pirates against the visiting Boston Red Sox.

The T-shirts are \$15 apiece. There also is a limited quantity of T-shirts honoring Sgt. Tom Baitinger and Officer Jeffrey Yaslowitz, two other St. Petersburg police officers who were killed in January.

Information: Sgt. James Racky of the Bradenton Police Department at james.racky@cityofbradenton.com or (941) 737-5731.

Resc 10th  
4/4/10

Natural  
coll Stress

"Done"

### REASON FOR RESCUE

☐ Watercraft    ☐ Entanglement    ☐ Entrapment    ☐ Orphan    ☒ Cold Stress  
☐ Red Tide    ☐ Other: (Specify): \_\_\_\_\_

☐ Propeller                      ☐ Skeg                      ☐ Suspected Impact

Describe: \_\_\_\_\_

☐ Monofilament Line      ☐ Hook  
☐ Net      ☐ Buoy  
☐ Polyprop/Nylon Line      ☐ Trap  
☐ Sinker      ☐ Other (Specify): \_\_\_\_\_

Float#:                      Color:                      Line Type::

Gear Retained? ☐ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
19 March 2010	While checking on and photo-documenting manatees in the Desoto aggregation site in Satellite Beach, FWC-biologist C. Rush spotted a manatee that appeared to be suffering from cold stress syndrome. CNR decided to watch the animal at that time and initiate a rescue if it showed signs of decompensating over the next few days. The manatee was not spotted again until 24 March during the rescue of another manatee that day. After delivering the rescued manatee to Lowry Park Zoo, CNR along with FWC-biologist A. Spellman returned to the Desoto canal just before dark. The manatee in question was still there and had failed to leave the canal with others to feed. ACS and CNR discussed rescuing the manatee the following day.
25 March 2010	ACS was able to locate the manatee in question and initiated a rescue response. SeaWorld (SWF) was unable to assist so ACS and CNR called on several reliable volunteers from Hubbs-SeaWorld (HSWRI), two off duty SWF staff members who were nearby, FWC-biologist M. Lizotte and ECFL Intern J. Long. Since SWF also advised that they were filled to capacity, ECFL staff contacted Miami Seaquarium (MSQ) who agreed to take the manatee. FWC-biologist T. Reinert advised ACS that MSQ was releasing manatees in southeast Florida and might be able to meet them half way to complete the transport to Miami. ACS contacted MSQ again and set up the logistics of the meet-and-transfer at a half way point near Vero Beach. ECFL staff rented a



## Rescue Report

panel truck from U-Haul to transport the manatee once captured.

Using the same technique they had employed on several others in the same area, the rescue crew deployed a net from shore surrounding the manatee and quickly bagging it, then transferring it to a stretcher. The manatee was hauled up the embankment and loaded into the truck. CNR wrapped it in a space blanket and then in a cotton blanket and rode in the back with the manatee while ACS drove the truck to the meeting point with MSQ. The trucks were backed up to each other and the manatee was transferred to the MSQ truck for transport to Miami.

### Participants:

FWC: A. Spellman, C. Rush, M. Lizotte, Intern J. Long  
HSWRI and volunteers

**REC1016**

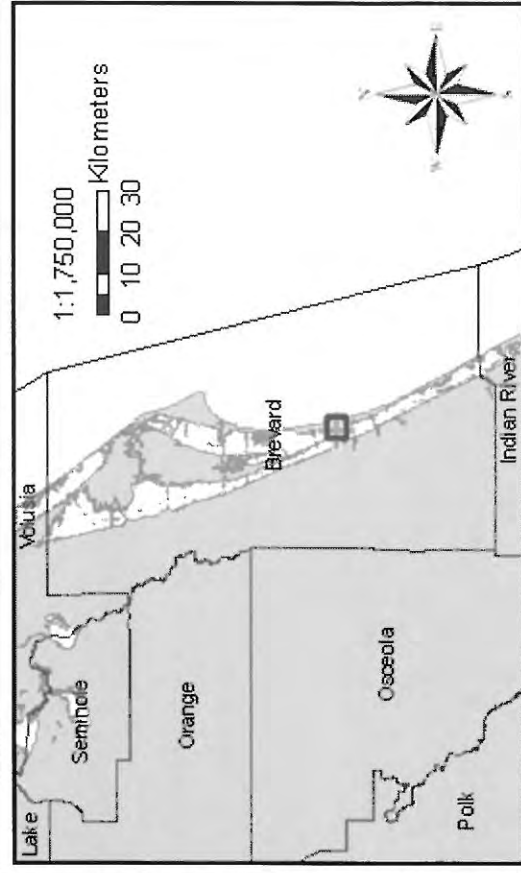
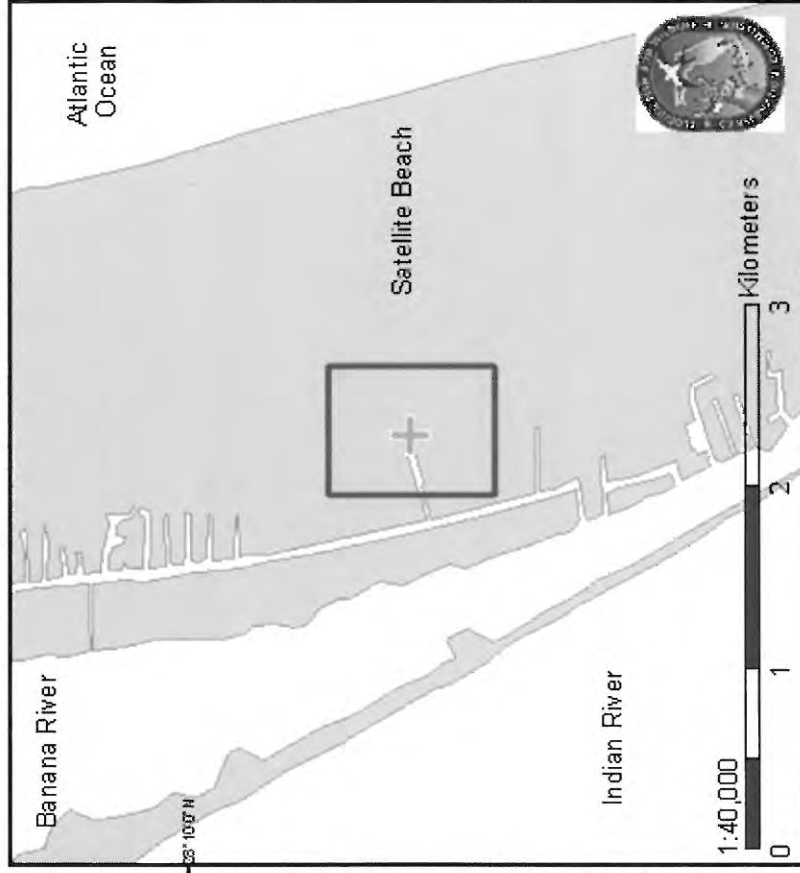
Attachments: map

Photos: FWC008: 315:1501-1556

cc: FWRI, Field Labs, ISM, SWF, FWS



# Verified Rescue Location of Manatee REC1016/MSTm1012



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECDBY	MAPBY
19	3	2010	REC1016	28.163781	-80.603001	3/25/2010	FWC,Hubbs	CNR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Indian River Field Lab, Melbourne

**DATE:** 14 July 2010

**SUBJECT:** The rescue and transport of a badly cold stressed sub-adult manatee from the Desoto Canal in Satellite Beach, Brevard County on 25 March 2010 (REC1016/MSQTm1012).

The attached rescue report for **REC1016** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

*Entered 4/15/10 DSS*
**Manatee Information (MLog:1167 )**

Animal ID: **MSTm1012** Sex: **M** Name: **Doce** Rearing: **Wild reared**
**-- Rescue Information -----**
**Rescue Date:** 03/25/2010 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress
**Primary Cause Text:**
**Secondary Cause:**
**Secondary Cause Text:**
**Health Status:** Critical

**Suspected Pregnant:** Animal sex is male or unknown

*REC1016*
**-- Rescue Location Information -----**
**State:** FL **County:** Brevard **City:** Satellite Beach

**Waterway:** ~~Banana River~~ *DeSoto Canal*
**Latitude:** 28.982100 **Longitude:** -80.361830

**Relocated, where?:**
**Did animal die during rescue or transport?:** No

**-- Measurement -----**
**Weight (kg):** 340 **Estimated Weight?:** Yes **Date Weighed:** 03/25/2010

**Length (cm):** 250 **Estimated Length?:** No **Date Measured:** 03/25/2010

**-- Other Rescue Information -----**
**Tracker:** **Transporter:** Miami Seaquarium

**Facility transported to:** Miami Seaquarium

**Veterinarian:** Maya Rodriguez **Organization:** Miami Seaquarium

**Participating Org:** FWC Indian River Field Station

**Flood Gate:** **Pot Status:**
**Additional Narrative:**
**-- Report Information -----**
**Created By:** Jodi Linvill **Created Date:** 03/27/2010

**Updated By:** D **Updated Date:** 03/27/2010



**Manatee Information (MLog:1167 )**Animal ID:**MSTm1012** Sex:**M** Name:**Doce** Rearing:**Wild reared****-- Death Information -----****Death Date:** 04/04/2010**Death Occurred?:** During Rehabilitation**Was animal euthanized?****Death Cause:** Natural Cold Stress**Other Human-Related:****Death Location:** During Rehabilitation**-- Other Death Information -----****Facility:** Miami Seaquarium**Veterinarian:** Maya Rodriguez

**Additional Narrative:** This older cold stress came in with what we are seeing, the non-moving flippers with sever edema and cold stress on the flippers and ventrally and abnormally labored inhalations. The most improvement we got after antibiotics, fluids and nutrition is that he began to move his muzzle slightly.

**-- Report Information -----****Created By:** Maya Rodriguez    **Created Date:** 04/08/2010**Updated By:** D    **Updated Date:** 04/08/2010

# 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 # MSTm1012

Date of Report: 2010- Apr -08

Filed By: Miami Seaquarium

FWC Case #

FWC Region: NE

Sex: Male

Length: 244.0 cm

Weight: 295.0 kg.

DATE REPORTED: 2010- Apr -04

By: MSQ to FWC

DATE COLLECTED: 2010- Apr -04

By: MSQ

DATE NECROPSIED: 2010- Apr -05

By: MSQ

LOCATION: State -- FL

Latitude: 28.163781 N

County -- Brevard

Longitude: 80.603001 W

Waterway -- Banana River

Locality description: Satellite Beach, in the canal behind 615 DeSoto Lane.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

Explain: Emaciated; cold stress lesions; longitudinal folds; depleted fats; ulcers colon; congested lungs; mucus airways; liquified lymph nodes.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, scars, fluke, site

MATERIALS COLLECTED:

genetics, earbone, histology.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements, rescue report.

REMARKS:

PIT tag scan negative. See rescue report REC1016. Rescued on 25 March 2010 and died on 04 April. Known as "DOCE".

Tissue	
Organ	
Scar	
Bacteria	
Page T&Z	25 Apr 11
NecrReport	25 Apr 11
Lat/Long	25 Apr 11

# Rescue Report

Entered  
4/15/10  
JJS

Rescued / Rth

4/7/10

Natural  
Cold Stress

## GENERAL:

Date of Rescue: 06 April 2010 Date of Initial Call: 04 April 2010 Filed by: C. Rush  
Rescue ID#: REC1017 Facility ID: SWFTm1015b FWC Case: 2943 Officer Name: N/A  
Sex: Male Length: ~~207~~ <sup>208</sup> cm Estimated: No  
PIT Tag Applied: No PIT Tag Present: No #R L  
LOCATION:  
State: FL City: Indialantic County: Brevard Waterway: Indian River  
Latitude (Decimal Degrees): 28.120662°N Longitude (Decimal Degrees): -080.590502°W  
Locality Description: Behind 833 Brookside Drive.  
Method of Capture: Net set from land, then placed into a stretcher and walked into shore.

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm  
Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
04 April 2010, at 1359 hrs:	FWC-biologist M. Lizotte (MEL) responded to a page from FWC-dispatch Orlando regarding a cold stressed manatee in Indialantic. FWC-case number 2943 was assigned. MEL spoke to the complainant, Niles (321-228-0508), who described the manatee as white all over and sitting on mud at the end of the canal behind his residence at 738 Malibu Lane. After speaking with the complainant, MEL contacted FWC-biologist C. Rush (CNR) to inform her of the situation and requested that CNR meet her at the complainant's residence. CNR met MEL to assess the manatee who looked to be in critical shape. CNR contacted FWC-A. Garrett (AWG) to inform him of the need for a rescue as soon as possible. Unfortunately, SeaWorld and Miami Seaquarium were at capacity, so Lowry Park Zoo was the only rehab facility available. Given the time of day and it being Easter, Dr. Murphy informed CNR that even if she could get the manatee, Lowry would not be able to accept it. After photographing the manatee, CNR explained the situation to the very upset neighbors and assured them the manatee would be rescued as soon as possible.
05 April, at 0800 hrs:	MEL searched the canal system where the manatee was seen the previous day and handed out business cards to everyone possible in the neighborhood. MEL kayaked the area as well, but was unable to locate the manatee.
06 April at 0845 hrs:	While CNR was searching for a different critical manatee from the previous evening in Palm Bay, she received a call from another complainant, Jannette



## Rescue Report

Pitmen (321-773-1448). The complainant informed CNR that her son was the one that found the manatee on Easter and he was certain it was the same manatee behind her residence, 846 Malibu Lane. CNR contacted AWG to inform him that the manatee from Easter was back in the canal, and that she was unable to locate the manatee from Palm Bay in Turkey Creek. AWG informed CNR that he would head over with other MMPL and FWRI staff. SEFL-T. Reinert (TRR) also agreed to assist with the rescues as well as FWC-volunteers L. Cross (LC) and C. Cross (CC). While awaiting the arrival of the rest of the rescue team, CNR received a call regarding the other injured manatee in Palm Bay. CNR informed that complainant that she had another rescue, but she would try to rescue that one later in the day and to keep an eye on it if possible. CNR contacted AWG to inform him that the second manatee had been spotted again. CNR and AWG agreed to rescue the manatee in Indialantic first and then proceed to Palm Bay afterwards.

Around 1145 hrs, the rescue crew met CNR, LC, and CC at 833 Brookside Drive, where the manatee was sunning itself at a dead end of the canal. A few members of the rescue crew slowly walked the net across the canal and CNR corralled the manatee into the net with her kayak. Since the manatee was so lethargic, the stretcher was brought out and placed under the manatee. The manatee was walked over to shore and loaded into the back of the MMPL van. D. Fagan and A. Howell transported REC1017 to SeaWorld and the rest of the rescue crew continued onto the second rescue in Palm Bay.

04 April, at 0815  
hrs:

AWG contacted CNR to inform her that the manatee had expired and that he was on his way over to SeaWorld to collect the carcass.

### Participants

FWC: C. Rush, A. Garrett, T. Reinert, B. Bassett, A. Howell, S. Koslovsky, D. Fagan,

Volunteers: L. Cross, C. Cross

REC1017

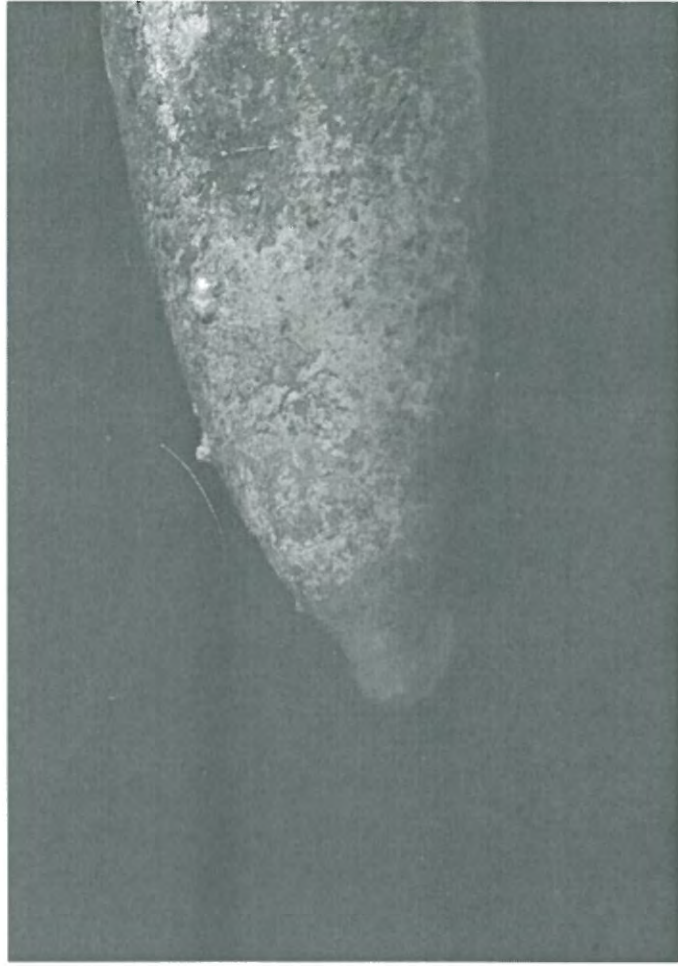
Attachments: map

Photographs: attached

Cc: L. Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF



## Rescue Report



SW FTM1015B/REC1017

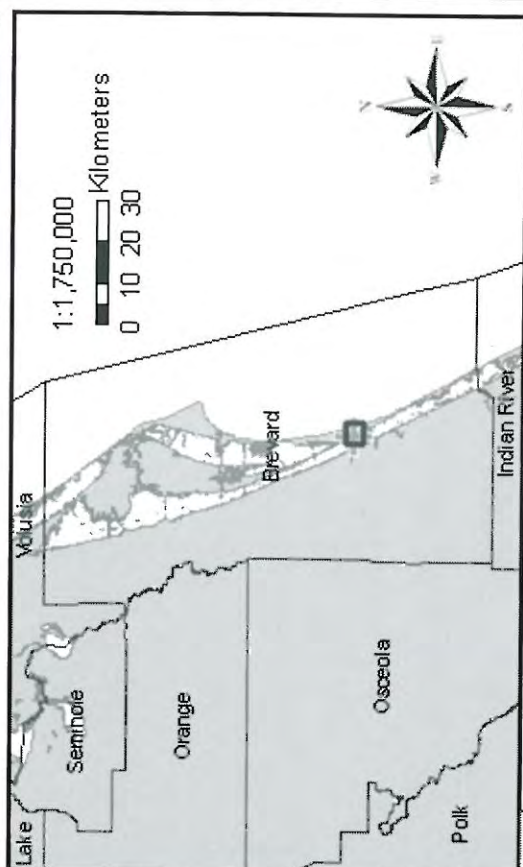
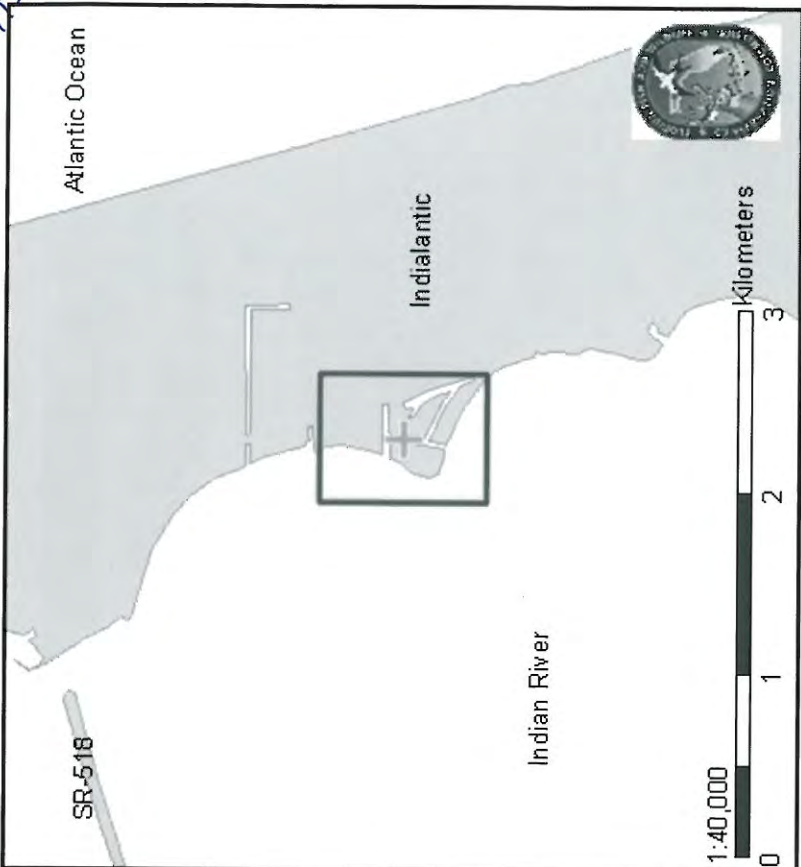


# Verified Rescue Location of Manatee REC1017/SWFTm1015b

Entered  
4/19/10  
855



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
4	4	2010	REC1017	28.120662	-80.590502	4/6/2010	FWC,FWS	CIIR





## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 23 June 2010

**SUBJECT:** The rescue of a cold stressed manatee in Indialantic in the Indian River on 06 April 2010 (REC1017).

The attached rescue report for **REC1017** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

*Entered 15/10  
4/2010  
JSS*

*Natural  
Cold  
Stress*

**Manatee Information (MLog:1173 )**

Animal ID: **SWFTm1015B** Sex: **M** Name: Rearing: **Wild reared**

-- Rescue Information -----

**Rescue Date:** 04/06/2010 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress

**Primary Cause Text:**

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Critical

**Suspected Pregnant:** Animal sex is male or unknown

*REC1017*

-- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Indialantic, FL

**Waterway:** Indian River

**Latitude:** 28.120667 **Longitude:** -80.590502

**Relocated, where?:**

**Did animal die during rescue or transport?:** No

-- Measurement -----

**Weight (kg):** 147 **Estimated Weight?:** No **Date Weighed:** 04/06/2010

**Length (cm):** 202 **Estimated Length?:** No **Date Measured:** 04/06/2010

-- Other Rescue Information -----

**Tracker:** **Transporter:** FMRI Marine Mammal Pathobiology Lab

**Facility transported to:** SeaWorld Florida

**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida

**Participating Org:** FWC- Indian River Field Lab FWC-MMPL SWF

**Flood Gate:** **Pot Status:**

**Additional Narrative:** Animal was rescued and transported by FWC to SWF. Animal died the following day 4/7/2010

-- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 04/21/2010

**Updated By:** D **Updated Date:** 04/21/2010

# 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 # SWFTm1015b  
Date of Report: 2010- Apr -08  
Filed By: FWC MMPL

FWC Case # 2943

FWC Region: NE

Sex: Male Length: 208.0 cm (estimated) Weight: 145.5 kg.  
DATE REPORTED: 2010- Apr -07 By: SeaWorld to MMPL-AJG  
DATE COLLECTED: 2010- Apr -07 By: MMPL-AJG  
DATE NECROPSIED: 2010- Apr -07 By: MMPL-AJG,KAB,BLB,ARH  
LOCATION: State -- FL Latitude: 28.120662 N  
County -- Brevard Longitude: 80.590502 W  
Waterway -- Indian River

Locality description: Indialantic, behind 833 Brookside Dr.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

Explain: Thickened,spongy,bleached epidermis;exposed dermis;cold stress lesions;necrotic,eroding  
fluke;depleted,serous fats;abscesses;mucus airways;enlarged,dark,wet lymph nodes;congestion;  
dry,hard feces;Ascites;nodules SI.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, scars, fluke, internal, other

MATERIALS COLLECTED:

histology, genetics, earbone, ELISA toxicology samples, archive toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements, histology report, organ weights, wound measurements, rescue report.

REMARKS:

PIT tag scan negative. Actual length of the remains was 204 cm. See rescue report REC1017. Rescued on 06 April 2010 and died overnight. Resolving watercraft wounds.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	25 Apr 11
NecrReport	25 Apr 11
Lat/Long	25 Apr 11

# Rescue Report

Updated 8/25/10

Rose/Bel 2/22/11  
Natural Cold Stress

GENERAL: 6 April 2010

"Rosalie"

Date of Rescue: REC1018	Date of Initial Call: 05 April 2010	Filed by: C. Rush
Rescue ID#: REC1018	Facility ID: LPZ102818	FWC Case: 2992
Officer Name: N/A		
Sex: Female	Length: 233 cm	Estimated: No
		268 kg
PIT Tag Applied: No	PIT Tag Present: Yes	#R 0006B93207
		L 0006B93906
LOCATION:		
State: FL	City: Palm Bay	County: Brevard
		Waterway: Turkey Creek
Latitude (Decimal Degrees): 28.03399°N		Longitude (Decimal Degrees): -080.581168°W
Locality Description: The north end of Pelican Harbor Marina (40220 NE Dixie Highway)		
Method of Capture: Net set from a boat.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☐ Y ☐ N



# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
05 April 2010, at 1926 hrs	On-call FWC-biologist K. Brill (KAB) responded to a page from FWC-dispatch Orlando regarding a manatee in distress in Palm Bay. The complainant, Chris (513-680-5745), the Harbor Master at the Pelican Harbor Marina, noticed a manatee that was very lethargic and not reacting to very loud noises, which were made all day just feet away from the manatee while repairing a dock. He described the manatee as severely cold stressed, with a completely white face and bright green algae mustache. After speaking with the complainant, KAB contacted FWC-biologist C. Rush (CNR) to inform her of the manatee. CNR was at the compound to drop off some carcasses she had just recovered, so she was able to get to the Marina by 1945 hrs. It was completely dark out, so the complainant brought down a flashlight and showed CNR the manatee, which was in the same spot it had been all day. The manatee had severe cold stress, but due to the hour, and lack of crew, a rescue was planned for the following day. CNR contacted KAB to inform her that the manatee was definitely in distress and in need of rescue. CNR then contacted FWC-A. Garrett (AJG) to inform him of the situation and requested help for the rescue. CNR informed AJG that she would search for the manatee early the following morning.
06 April 2010, at 0715 hrs	CNR arrived at the marina and met up with the complainant. They searched the marina, but were unable to locate the manatee. CNR also searched nearby boat ramps, but did not have any luck. While CNR returned to the marina to search again, another rescue call came in regarding a manatee that CNR had seen two

## Rescue Report

days prior, also in dire need of a rescue from severe cold stress. The complainant agreed to go out and search for the manatee in Turkey Creek by boat and he would contact CNR if it was found. CNR left for the manatee in Indialantic and informed AJG of the situation. AJG informed CNR that he would head over with other MMPL and FWRI staff. SEFL-T. Reinert (TRR) also agreed to assist with the rescues as well as FWC-volunteers L. Cross (LC) and C. Cross (CC). While awaiting the arrival of the rest of the rescue team for the manatee in Indialantic, CNR received a call regarding the cold stressed manatee in Turkey Creek. CNR informed that complainant that she had another rescue, but she would try to rescue that one later in the day and to keep an eye on it if possible. CNR contacted AJG to inform him that the Turkey Creek manatee had been spotted again. CNR and AJG agreed to rescue the manatee in Indialantic first and then proceed to Palm Bay afterwards.

At 1200 hrs, the rescue crew arrived at the Pollack Park Boat Ramp in Palm Bay and launched the rescue boat. The marina was a short boat ride away, and marina staff had kept a close eye on the manatee. CNR was dropped off at the dock to make sure it was the correct manatee, and then re-boarded the boat. AJG did a slow net set from the northern seawall, into a boat slip on the east side. The net was slowly brought in and the manatee was pulled on board without any resistance. The manatee was brought back to the Pollack Park Boat Ramp and loaded into a U-Haul. CNR did a PIT tag scan, which came up positive. The manatee, known as "Rosalie" was previously rescued for cold stress back on 06 March 2009 as well.

### Participants

FWC: C. Rush, A. Garrett, T. Reinert, B. Bassett, S. Koslovsky,

Volunteers: L. Cross, C. Cross

REC1018

Attachments: map

Photographs: attached

Cc: L. Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R.



## Rescue Report





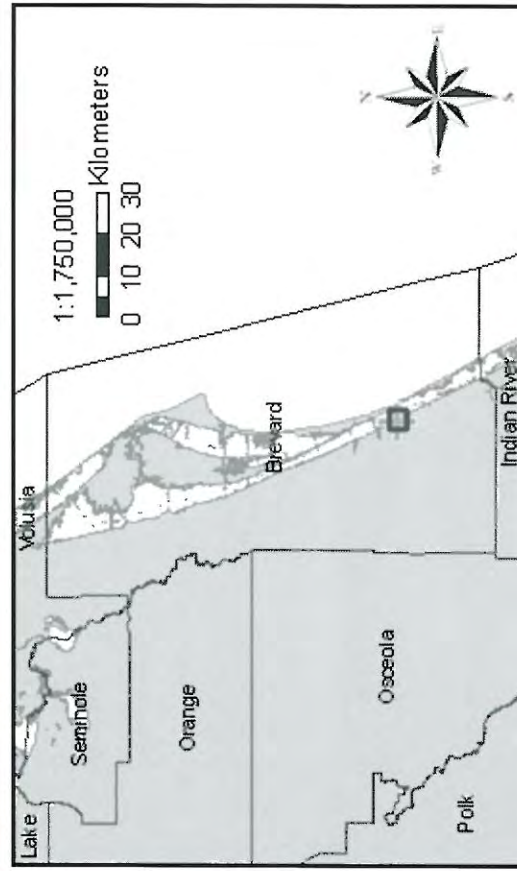
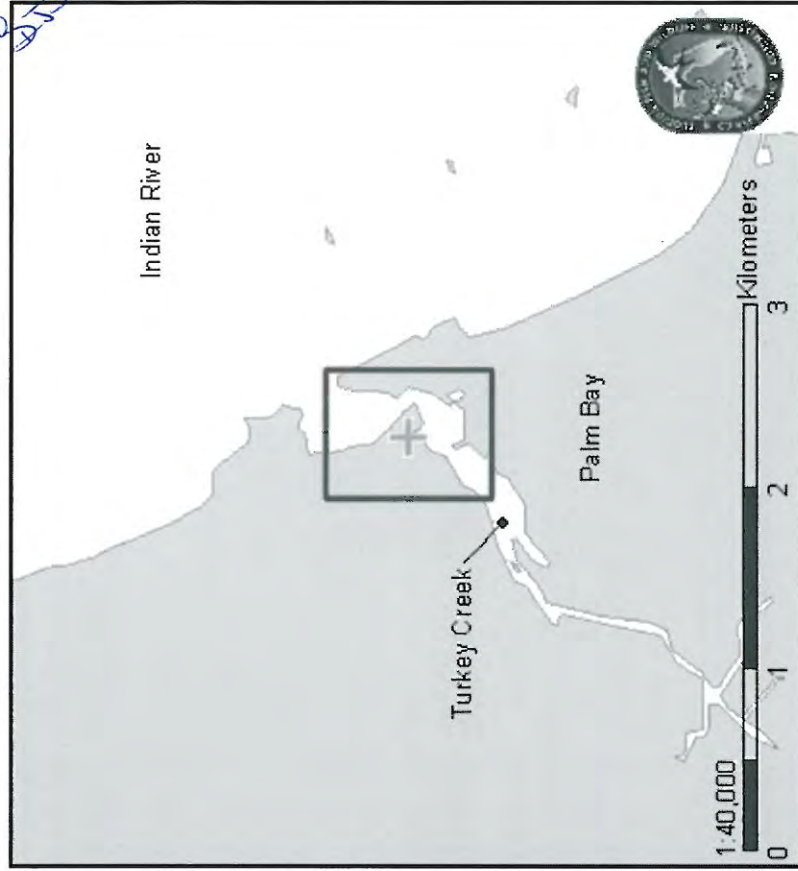


LP2102818 / REC1018 / SWFTM0908B / Rosalie



Entered  
4/15/10  
DJB

# Verified Rescue Location of Manatee REC1018



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECDBY	MAPBY
5	4	2010	REC1018	28.03399	-80.581168	4/6/2010	FWC.FWS	CNR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 23 July 2010

**SUBJECT:** The rescue of a cold stressed manatee in Palm Bay from Turkey Creek on 06 April 2010 (REC1018/LPZ102818)

The attached rescue report for **REC1018** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



Entered 4/15/10  
DS**Manatee Information (MLog:1036 )**Animal ID: **SWFTm0908B** Sex: **F** Name: **Rosalie** Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 04/06/2010 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Stable**Suspected Pregnant:** Animal is known not to be pregnant

## -- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Palm Bay**Waterway:** Turkey Creek**Latitude:** 27.997922 **Longitude:** -80.670008**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 268 **Estimated Weight?:** No **Date Weighed:** 04/06/2010**Length (cm):** 233 **Estimated Length?:** No **Date Measured:** 04/06/2010

## -- Other Rescue Information -----

**Tracker:** **Transporter:** FMRI Marine Mammal Pathobiology Lab**Facility transported to:** Lowry Park Zoo**Veterinarian:** Dave Murphy **Organization:** Lowry Park Zoo**Participating Org:****Flood Gate:** **Pot Status:****Additional Narrative:**

## -- Report Information -----

**Created By:** Virginia Edmonds **Created Date:** 04/27/2010**Updated By:** D **Updated Date:** 04/27/2010LPZ102818  
REC1018

**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-8626**

Manatee ID: LP2102818      Temporary ID: SWFTm0908b      Time Net Set: \_\_\_\_\_  
 Name: Rosalie      Date: 27 Jan 2011      Time Captured(Onboard): 10:35  
 ID of its Calf / Mom: \_\_\_\_\_      Sex: M / (F)      Time On Beach: 10:35  
 Location: LP2      Latitude: \_\_\_\_\_ N      Time Released: ~10:55  
 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:	Manatee + stretcher	Stretcher weight
	(lb) or kg <u>1075</u>	<u>1200</u>	<u>125</u>
Lengths	Total Length (curvilinear) (cm)	<u>283</u>	
	Total Length (straight)	<u>254</u>	
	Snout to Peduncle	<u>193</u>	
	Snout to Anus	<u>172</u>	
	Snout to Umbilicus	<u>89</u>	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>124</u> cm	Belt Loc: _____ in
	Girth at Anus: <u>actual</u> or 1/2	<u>162</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>222</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>192</u>	

ULTRASOUND		Reader Name: <u>Garrett</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>21 / 33</u>	<u>14 / 36</u>	<u>33 / 13</u>
Other:	<u>2</u>	<u>21 / 33</u>	<u>15 / 36</u>	<u>34 / 12</u>
	<u>3</u>	<u>21 / 36</u>	<u>15 / 36</u>	<u>35 / 12</u>

CONDITION	Body Score:	1	2	3	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:			<u>Rounded</u> / Flat / Concave		
	Ventrum:			<u>Rounded</u> / Flat / Concave / Ventral Folds		
	Fresh Wounds or Lesions:			Y / <u>(N)</u> (describe in comments)		
	Person(s) assessing condition:			<u>de Wit</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 None <b>Data Sheets?</b> Y / <u>(N)</u>
	Temperature: Oral Naso-pharyngeal Rectal None      Y / <u>(N)</u> Resp. Rate? Y / <u>(N)</u>



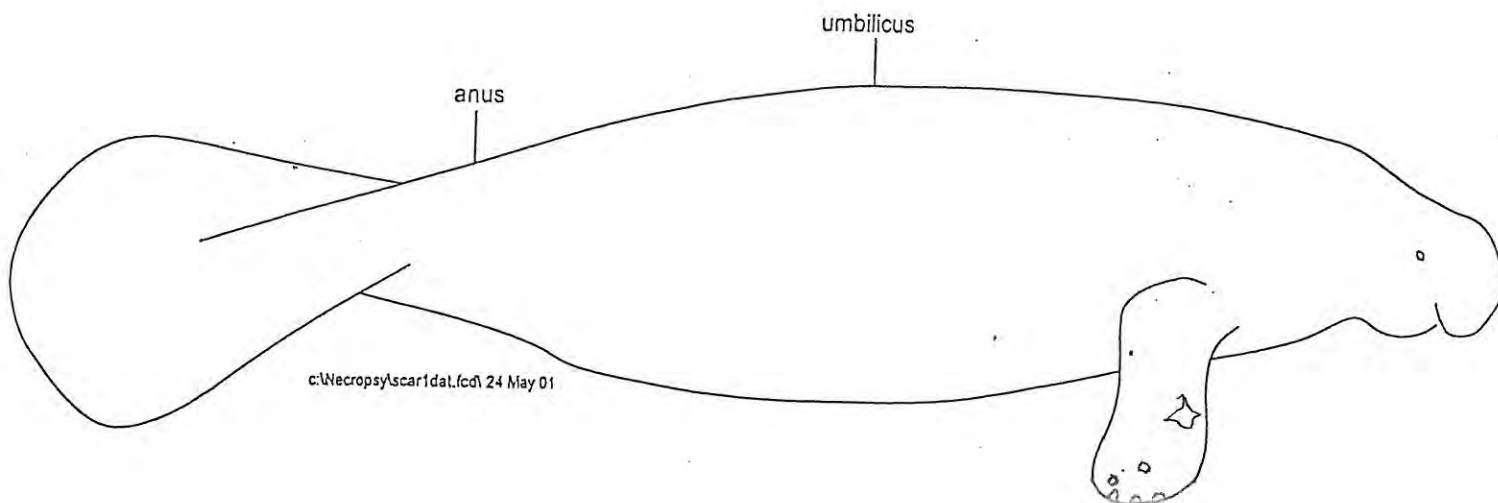
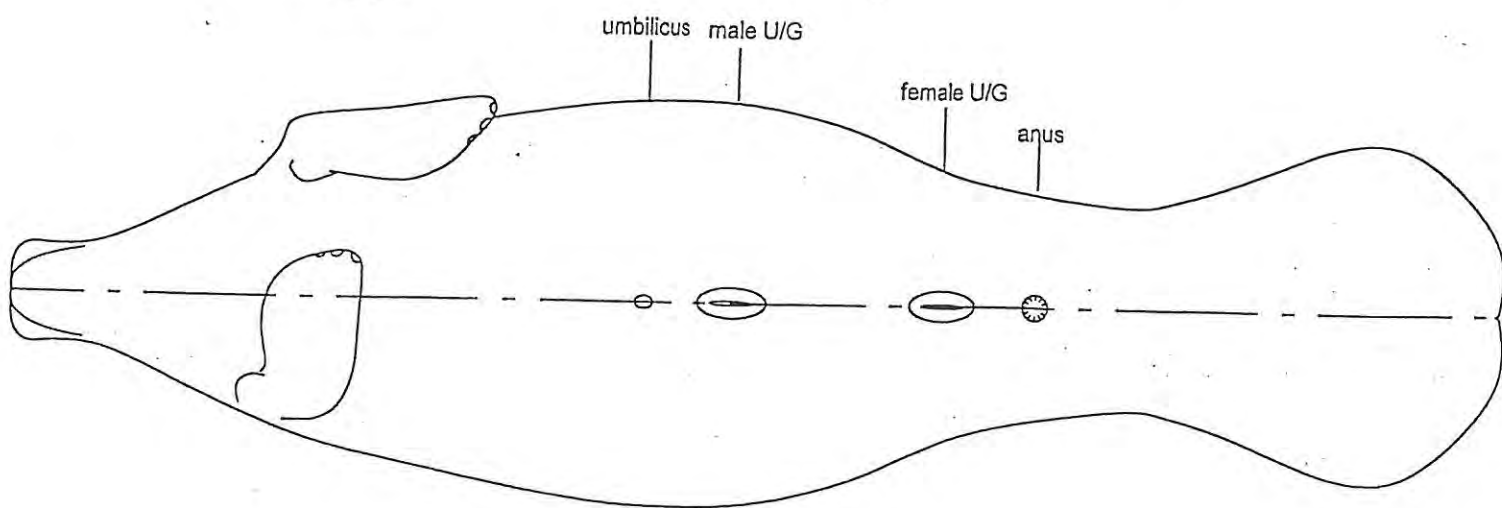
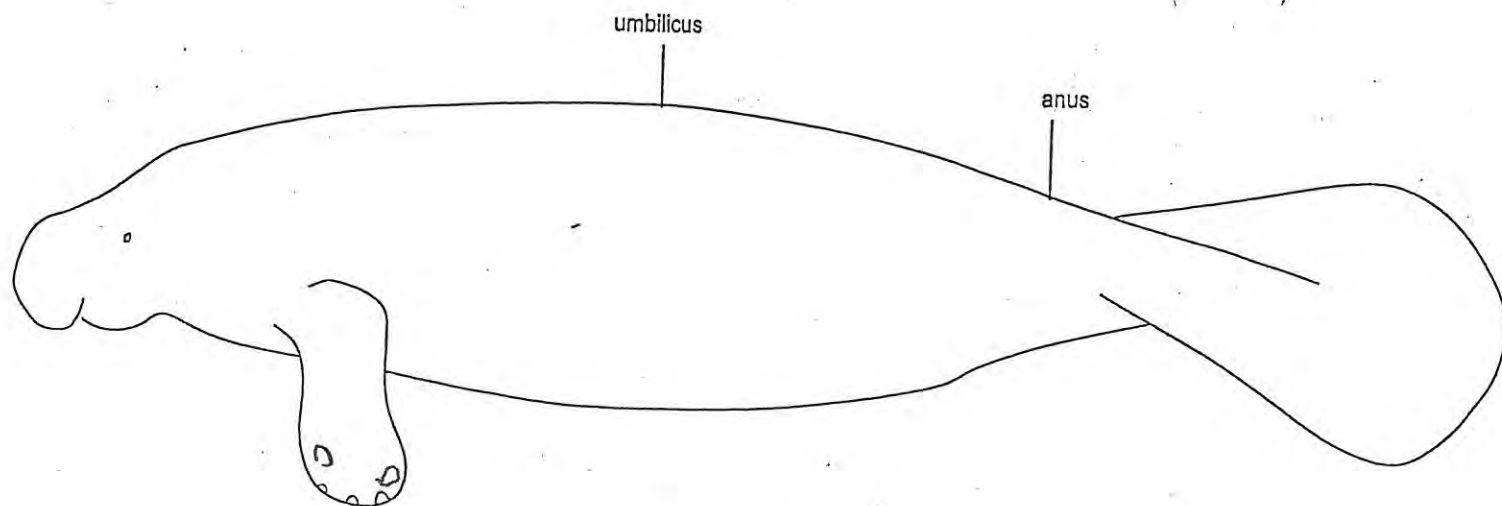
Manatee ID LP#102818Manatee Name: RosalieDate: 27 Jan 2011

<b>FREEZE BRAND</b>	Letters/Numbers applied:	<u>No</u>			Applied by:
	Location:				
<b>BLOOD</b>	Stick #	Start Time	End Time	Flipper	
	1			(L) / R	
	2			L / R	
	3			L / R	
	Drawn by: <u>Angie (LP#)</u>				
	# Tubes of Blood Collected	Blue:	Red: <u>2</u>	Purple: <u>2</u>	
		Green:	Yellow:	Other:	
<b>PIT TAG</b>	Scanned for previous PIT tag?	(Y) / N		PIT tagged at this capture? Y / (N)	
	PIT tagged by:				
	Right #				
	Left #	<u>0 0 - 0 6 B 9 - 3 9 0 6</u>			
<b>FLAG</b>	Color and Symbol				
<b>TELEMETRY</b>	<b>TAG Type</b>	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
	<b>BELT Number / Belt Color</b>	FWC _____ Color: _____			
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____	msec
	Belt Knot / Webbing Exposed	Left / Right _____ inches			
	CR2a Programmed Release	Y / N Date/Time: _____			
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity	
	Manufacturer	Onset		Star-Oddi	
	Logger ID Number				
	Logger Location				
	<b>dTag ID &amp; VHF Frequency</b>	ID #:	148. _____ MHz		
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °		
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °		
	<b>TETHER Strength / Length</b>	Strength:	Length: _____ ft.		
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____	msec
	Tagged by:				
<b>PHOTOGRAPHS</b>	Taken by:	<u>Howell</u>			
	Exposures:				
<b>SKETCHES</b>	Sketched by:	<u>de Wit</u>			

Comments



FIELD I.D. LP2102818







Feb 23 12:42:26 PM Temp: 81°

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Discovery 'go' for launch Thursday at 4:50 p.m. - Bookmark our LIVE Chat now!

## Manatees freed at Satellite Beach 2 years after being rescued from cold



Florida Fish and Wildlife officials release two manatees into the warm waters of a canal at Satellite Beach. The manatees, Rosalie and Jasper, were rescued from the cold in 2009.



Last Updated: Wednesday, February 23, 2011 7:37 AM

**SATELLITE BEACH** -- Two years after being rescued from the cold, two manatees have been released back into the warmer waters of Brevard County.

Florida Fish and Wildlife officials released Rosalie and Jasper into a canal in Satellite Beach on Tuesday.

The two manatees were rescued in 2009 behind Merritt Island High School, where they were found suffering from cold stress.

The canal is a warmer area where manatees go when it's cold, so Fish and Wildlife officials said they hope the two will learn to go there to keep warm.

Officials painted large letters 'R' and 'J' on Rosalie and Jasper's backs, to help Fish and Wildlife track them.

The paint should wear off in a few days, officials said.

### MORE INFO

- [Florida Manatee Program](#)

IT'S ALL ABOUT THE FUN & **BARGAINS** SAVE up to 70% OFF

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Shooting suspect's mom speaks

### DIGITAL DOPPLER X3 RADAR



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Groupon

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BREAKING NEWS ALERTS



# Rescue Report

Updated  
8/25/10  
SSD

Resc/Rel  
5/18/10

Natural  
Cold Stress

"Krinkle"

## GENERAL:

Date of Rescue: 06 April 2010	Date of Initial Call: 04 April 2010	Filed by: C. Rush
Rescue ID#: REC1019	Facility ID: SWFTm1014b/MSTm1014	FWC Case: N/A
Officer Name: N/A		
Sex: Male	Length: 245 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: Yes	#R 0006725CF4
		L 000675B565
LOCATION:		
State: FL	City: Merritt Island	County: Brevard
		Waterway: Indian River
Latitude (Decimal Degrees): 28.447219°N		Longitude (Decimal Degrees): -080.719762°W
Locality Description: Behind 451 Treasure Lagoon		
Method of Capture: Net set from a boat.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#:

Color:

Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
04 April 2010, at 1125 hrs (Easter)	S2S-biologist M. Ross (MR) contacted FWC-biologist C. Rush (CNR) on her Nextel regarding a known manatee named "Kringle." MR and S2S-biologist M. Fischer (MF) had been watching "Kringle" for the past few days and were concerned since he was showing signs of cold stress and was not passing gas. He also had a mat of bright green algae on his epidermis, indicative of a manatee not moving a lot, which has also been noted in multiple other cold stressed manatees. MR inquired if a rescue could be set up for the following day. CNR informed MR that she would contact SeaWorld to see if they were available to assist in the rescue and accept "Kringle." CNR was informed by SW that they were unable to accept a manatee before 06 April due to capacity issues, but that a double release was scheduled for that day. CNR set up the rescue for 06 April with SW-B. Wagoner after the double release in the morning. CNR contacted MR to inform her of the plan.
05 April 2010, at 2000 hrs	CNR contacted MR to inform her that she may not be available to assist with "Kringle's" rescue due to another pending rescue of a manatee in more critical condition. CNR requested that MR still find "Kringle" in the morning, because the SeaWorld crew was still scheduled to release the two manatees and then head up to Merritt Island to help "Kringle."

## Rescue Report

06 April 2010

CNR and other FWC staff members from the MMPL, FWRI, and SEFL, along with ECFL volunteers, carried out 2 other ECFL rescues at the same time when "Kringle" was being tracked and rescued. Due to three rescues in three different locations in one day, AJG shifted around where manatees were being sent. One of the ECFL rescues (REC1017) which was in very critical condition went to SeaWorld. The other (REC1018) went to Lowry Park Zoo. Miami Seaquarium went to Merritt Island to pick up and transport "Kringle" after S2S and SeaWorld rescued him. The following is a narrative provided by MR.

"Monica Ross and Melody Fischer from Sea to Shore Alliance (S2S) located Kringle around 1045 on 4/6/10 in the same canal system he had been observed for the past few weeks but in a different arm of the system. He was with five other animals and was milling with random respiration rates 1-2 breaths per minute to 1 breath every two minutes. The other manatees observed over the past three visuals of concern were not observed in the area. Steve Lehr from SeaWorld of Florida (SWF) called around 1100 to say they were finishing up their release and would be on their way. The entire capture crew was on site around 1230 and a plan for capture was agreed upon. Just before the set up for capture was complete, only one other manatee was with Kringle at the end for the canal. Maya from Miami Seaquarium (MSQ) called at 1404 that they were very close to the area. She was advised we would be attempting the capture shortly and transport to their location at Manatee Cove would only take us a few minutes. The capture boat set up at the mouth of the canal and closed off one end of the net when the other manatee went past. Kringle did not go completely into the net area with the encouragement of the S2S tracking boat or with a swimmer in the water upon first attempt. After adjustment of the net placement to a much deeper pocket, Kringle finally was encouraged by the S2S boat and swimmer into the net. Net was closed at 1401. Kringle never hit the net but appeared to be working the lead lines. He was pulled on the boat at 1408. Kringle was loaded into a stretcher and with assistance from several kayakers in the area, was carried into MSQ transport vehicle. While in the transport vehicle, Kringle rolled several times and it was noted by SWF staff that he did have both latitude and longitude folds of his abdomen."

### Participants

SeaWorld Animal Care Staff

S2S: M. Ross and M. Fischer

REC1018

Attachments: map

Photographs: attached

Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF, Maya-MSQ

## Rescue Report

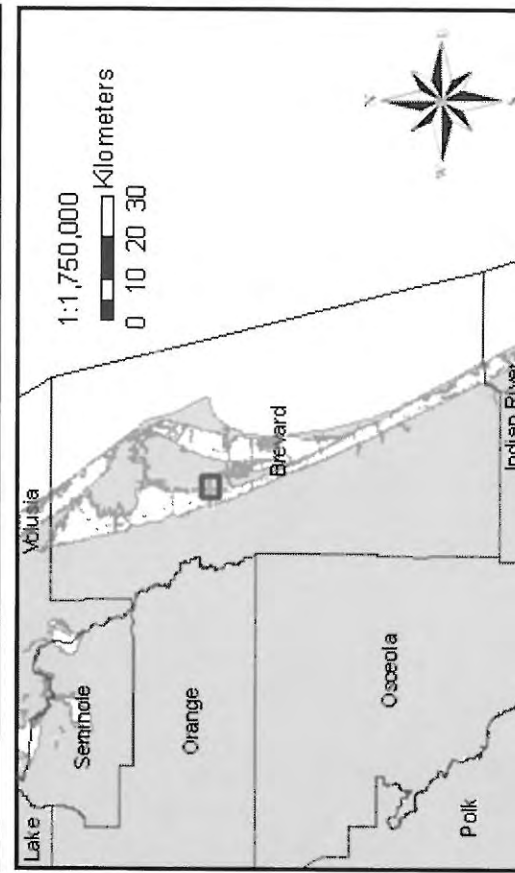
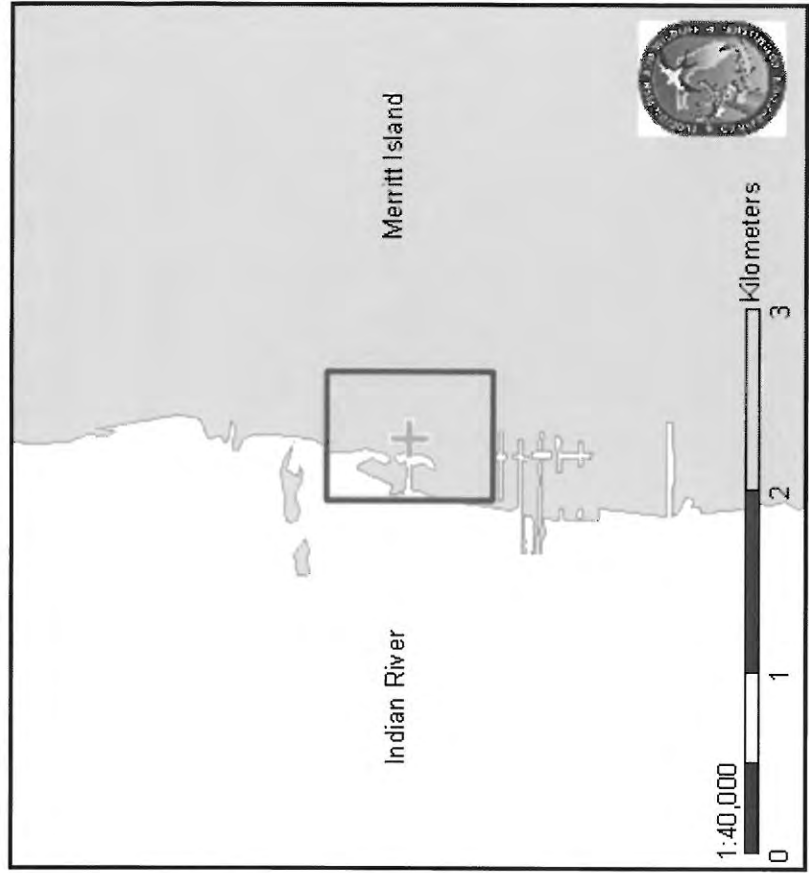






"Kringle" - SWFTM1014B / MSTM1014 / REC1019 / SWFTM.0830B

# Verified Rescue Location of Manatee REC1019/SWFTm1014b/MSTm1014



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
4	4	2010	REC1019	28.447219	-80.719762	4 6 2010	S2S, SWF	CIIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 23 July 2010

**SUBJECT:** The rescue of known manatee, "Kringle," for cold stress on 06 April 2010  
(REC1019/SWFTm1014b/MSTm1014).

The attached rescue report for **REC1019** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

*Entered 4/15/10 255*

**Manatee Information (MLog:1002 )**

Animal ID: **SWFTm0830B** Sex: **M** Name: **Kringle** Rearing: **Wild reared**

-- Rescue Information -----

**Rescue Date:** 04/06/2010 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress

**Primary Cause Text:**

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Guarded

**Suspected Pregnant:** Animal sex is male or unknown

*MSTM1014  
SWFTM1014B  
REC1019*

-- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Merritt Island

**Waterway:** Indian River

**Latitude:** 28.447219 **Longitude:** -80.719762

**Relocated, where?:**

**Did animal die during rescue or transport?:** No

-- Measurement -----

**Weight (kg):** 362 **Estimated Weight?:** Yes **Date Weighed:** 04/06/2010

**Length (cm):** 245 **Estimated Length?:** No **Date Measured:** 04/06/2010

-- Other Rescue Information -----

**Tracker:** **Transporter:** Miami Seaquarium

**Facility transported to:** Miami Seaquarium

**Veterinarian:** Maya Rodriguez **Organization:** Miami Seaquarium

**Participating Org:** SWF, Sea to Shore

**Flood Gate:** **Pot Status:**

**Additional Narrative:** Manatee missing right pectoral flipper (previous)

-- Report Information -----

**Created By:** Jodi Linvill **Created Date:** 04/10/2010

**Updated By:** D **Updated Date:** 04/10/2010



Key  
5/18/10

Bode - MSTM1008

Kringle - MSTM1014  
SW FTM1014B  
SW FTM10830B

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POWERED BY YOU AND FLORIDA TODAY

## Cold-stressed manatees released into Banana River

BY JIM WAYMER • FLORIDA TODAY • MAY 19, 2010

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**MERRITT ISLAND** — Staff from Miami Seaquarium released one male and one female adult manatee Tuesday in Kars Park on Merritt Island.

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The two were rehabilitated after suffering from cold stress during the winter's extremely cold weather. One had been rescued from the Banana River, the other from the Indian River.

A record 78 manatees have died from cold stress in Brevard County and 222 statewide since Jan. 1, according to early examinations by state wildlife biologists.

The Florida Fish and Wildlife Conservation Commission documented a record 431 dead manatees in state waters through March of this year. Early data indicates that in just three months, manatee carcasses exceeded the highest annual manatee death toll on record -- 429 in 2009.

It is likely the low temperatures also contributed to many of the 108 deaths in the "undetermined" category and the 64 deaths in the "unrecovered" category, FWC said.

SeaWorld Orlando's Animal Rescue Team and the Florida Fish and Wildlife Conservation Commission rescued an adult female manatee from a canal in Satellite Beach on Monday. She remains in critical condition at SeaWorld's Manatee Rescue & Rehabilitation Center.

Contact Waymer at 242-3663 or [jwaymer@floridatoday.com](mailto:jwaymer@floridatoday.com).



Purchase this Photo

Bode, one of two local manatees that were victims of cold stress during the winter, waits to be released back into the Banana River at Kars Park on north Merritt Island. The two sea cows were rehabilitated at the Miami Seaquarium. (Tim Shortt, FLORIDA TODAY)

### PHOTO GALLERIES

Manatees released 5-18

### Related Stories

- Panthers trounce West Florida
- Governor signs bill to lift limits on sex cases
- Catastrophe Fund: Good for \$25.5 billion in losses

### Related Topics

- Sports - Wildlife, Outdoor Recreation

Contextual linking provided by Topix



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Watchdog: Tax hike for Brevard schools OK with you?  
(74)

condition. He and the others were responsive to the boat so we could not get good pictures, but the animals traveled actively around the area, following each other.

Kringle was observed on Friday, 4/02/10, in Manatee Cove on the east coast of Indian River with about 19 other animals. Water temperature was 21.5 C. He had patches of green algae and cold stress lesions. His respirations were an average of 3-4 minutes apart during the visual except for a 12-15 minute period of several respirations per minute. He was again observed on Sunday, 4/04/10, and Monday, 4/04/10, in the same area. An in-water body condition assessment was obtained on Monday, 4/05/10, by Monica. Kringle had no longitudinal folds on his belly but did have latitude folds. He was captured on Tuesday, 4/06/10, by SeaWorld Orlando and Sea To Shore Alliance and transported to Miami Seaquarium.

St. Johns River:

Slip has traveled between Lake Woodruff and Lake Dexter this week. He was observed on Tuesday, 3/30/10, at DeLeon Springs milling with 3 other animals.

Amber went south from Blue Spring this week to the northern section of Lake Monroe.

Crystal River:

Myra's tag was recovered on Monday, 3/29/10, under a dock in Magnolia Springs (along with Little Nap's). She was then re-tagged that afternoon in Three Sisters Springs where she was bottom-resting and socializing with 2 other animals.

Baby Coral continued to travel around Kings Bay this week, occasionally going in and out of the main spring in the sanctuary at Banana Island.

Coral Lee was observed on Monday, 3/29/10, at Three Sisters Springs remaining still on the bottom by herself. An in-water body condition assessment was obtained and no belly folds were observed. She seemed responsive in that she followed Melody for about 25 feet after the observation. On Wednesday morning, 3/31/10, she milled out of the spring into the canal and socialized with 2 other animals. Since she has not been leaving the spring very much at all and is becoming thin, a rescue is planned for Wednesday, 4/07/10.

Little Nap's tag was found on Monday, 3/29/10, under a dock in Magnolia Springs (along with Myra's). He was re-tagged on Wednesday, 3/31/10, in Hunters Spring where he was milling by himself after having interacted with snorkelers. An in-water body condition was also obtained, and Little Nap looks great and has a rounded belly.

Thanks and have a great week.

Buddy, Monica, and Melody


 1.1 unnamed 2.98 Kb

[Return to myEckerd](#)**Date:** Tue, 6 Apr 2010 19:02:51 -0700 [04/06/2010 10:02:51 PM EDT]**From:** mfischer@sea2shore.org

**To:** elsa.haubold@myfwc.com, tom.pitchford@myfwc.com, lucyweith@hotmail.com, Chip.Deutsch@myfwc.com, Jim\_Kraus@fws.gov, greenlynda@mac.com, joyce\_kleen@fws.gov, florida.mammals@lowryparkzoo.com, gbossart@HBOI.edu, sherry.mcgowan@dep.state.fl.us, pedro.Ramos-Navarrete@Seaworld.com, education@savethemanatee.org, pat@dolphins.org, szemerdj@eckerd.edu, media@dolphins.org, kitcurtin@terranova.net, rangerwh@ix.netcom.com, margie.barcas@myfwc.com, nbrowning@cfl.rr.com, jgaspard@mote.org, capt3nots@gmail.com, manateeden@prodigy.net, edsal@miamidade.gov, terri.roth@cincinnatizoo.org, david.jenike@cincinnatizoo.org, shelby\_moneysmith@nps.gov, taylor@wildlifetrust.org, jawnatset@bellsouth.net, brianne@clc3.com, jtwoodlee@tecoenergy.com, cdjohnson@tecoenergy.com, a.mcshane@gmail.com, zoiebun@yahoo.com, shawf@miamidade.gov, todd\_kellison@nps.gov, shasta.back@cincinnatizoo.org, kari.higgs@myfwc.com, jim\_reid@usgs.gov, james.vogel@cincinnatizoo.org, lwarre01@fiu.edu, ngklavans@hotmail.com, jnearing@savethemanatee.org, Claire.Surrey@NOAA.gov, vsocha@mote.org, queenelizabeth1972@yahoo.com, Roger@leegov.com, Robert.Rundle@dep.state.fl.us, denise.boyd@myfwc.com, Kahraman@wildlifetrust.org, mr.manatee@sbcglobal.net, sls2005@columbia.edu, alonsj@miamidade.gov, martine.dewit@myfwc.com, hughes@wildlifetrust.org, jon.peterson@Seaworld.com, dsschwartz@cfl.rr.com, latham.michelle@epa.gov, Katie.Brill@myfwc.com, megan.keserauskis@dep.state.fl.us, Edward.neugebauer@Seaworld.com, walshm@vetmed.ufl.edu, sidnej@miamidade.gov, kempis@miamidade.gov, sadella78@yahoo.com, grossman@xavier.edu, David.Foster@dep.state.fl.us, mike.hayes@dep.state.fl.us, Kane.Rigney@myfwc.com, awong@savethemanatee.org, Rachel.Nelson@lowryparkzoo.com, Keith\_Ramos@fws.gov, aklavans@gmail.com, srconnor@hotmail.com, loyalpat63@yahoo.com, MMargold@southfloridamuseum.org, dsemeyn@mote.org, sheri@mote.org, jhelseth@mote.org, ejugovich@mote.org, cbeck@usgs.gov, gay@gaycourter.com, lindsay.garrett@cincinnatizoo.org, mssail5024@aol.com

**Subject:** Update 4/06/10

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 6 maplna.jpg 213 KB  
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 8 mapboy.jpg 146 KB  
 9 mapkri.jpg 145 KB

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Dear MRP:

Here are the latest updates on animals we are currently tracking and any other recent updates on other animals.

East Coast:

Boynton spent this week in Indian River just south of Vero Beach, appearing as if he is gradually going north.

Kennedy was observed on Friday, 4/02/10, along the western coast of Indian River north of Titusville within a slow zone with 5 other animals. Water temperature there was 25 C and from our observations Kennedy appeared in good

Island.

Kringle was captured on Tuesday, 4/06/10, by SeaWorld Orlando and Sea To Shore Alliance and transported to Miami Seaquarium. During the few days prior to capture he had stayed in Manatee Cove on Merritt Island, showing green algal growth, latitude and longitude folds on his belly, and increased bouts of fast, shallow respirations.

St. Johns River:

Slip was observed on Wednesday, 4/07/10, in northern Lake Dexter with 5 other animals. The others were milling and feeding; Slip was milling and possibly feeding but this could not be confirmed. Coontail and bleeding heart were available.

This week Amber traveled along the shore of the northwest corner of Lake Monroe.

Crystal River:

Myra was reported to have been pacing and barrel-rolling on Wednesday, 4/07/10, in Hunters Spring. She was observed on Friday, 4/09/10, at the end of a canal off Hunters Spring by herself, at first lying still calmly on bottom and then pacing as she moved up the canal. At that time she was not barrel-rolling and swam with both her flippers. The pacing behavior will be watched closely.


Baby Coral was observed on Wednesday, 4/07/10, in a grass-lined cove southwest of Buzzard Island in Kings Bay by herself, staying still on bottom. She was seen again on Friday, 4/09/10, near that spot with one other animal, milling and bottom-resting. She has also been to the south shore of Banana Island this week.

Coral Lee was captured from Three Sisters Springs on Wednesday, 4/07/10, by Crystal River Wildlife Refuge, USGS, and Sea To Shore Alliance. She was by herself in the front spring by the dock, having milled into the spring from Gator Hole earlier that morning. Her appearance was OK but an ultrasound revealed she had lost some fat reserves. USGS also reported some strange material found in her fecal that could have been monofilament. Finally, her somewhat loose belt appeared to have created lacerations on the sides of her peduncle. She was brought to Lowry Park Zoo and quickly began socializing and feeding.

Little Nap was seen on Wednesday, 4/07/10, at the mouth of Crystal River in a canal on the northern shore. He was by himself and bottom-resting.

Thanks and have a great week.

Buddy, Monica, and Melody

 1.1 unnamed 2.64 KB










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**To:** elsa.haubold@myfwc.com, tom.pitchford@myfwc.com, lucyweith@hotmail.com, Chip.Deutsch@myfwc.com, Jim\_Kraus@fws.gov, greenlynda@mac.com, joyce\_kleen@fws.gov, florida.mammals@lowryparkzoo.com, gbossart@HBOI.edu, sherry.mcgowan@dep.state.fl.us, pedro.Ramos-Navarrete@Seaworld.com, education@savethemanatee.org, pat@dolphins.org, szemerdj@eckerd.edu, media@dolphins.org, kitcurtin@terranova.net, rangerwh@ix.netcom.com, margie.barlas@myfwc.com, nbrowning@cfl.rr.com, jgaspard@mote.org, capt3nots@gmail.com, manateeden@prodigy.net, edsal@miamidade.gov, terri.roth@cincinnatizoo.org, david.jenike@cincinnatizoo.org, shelby\_moneysmith@nps.gov, taylor@wildlifetrust.org, jawnatset@bellsouth.net, brienne@clc3.com, jtwoodlee@tecoenergy.com, cdjohnson@tecoenergy.com, a.mcshane@gmail.com, zoiebun@yahoo.com, shawf@miamidade.gov, todd\_kellison@nps.gov, shasta.back@cincinnatizoo.org, kari.higgs@myfwc.com, jim\_reid@usgs.gov, james.vogel@cincinnatizoo.org, lwarre01@fiu.edu, ngklavans@hotmail.com, jnearing@savethemanatee.org, Claire.Surrey@NOAA.gov, vsocha@mote.org, queenelizabeth1972@yahoo.com, Roger@leegov.com, Robert.Rundle@dep.state.fl.us, denise.boyd@myfwc.com, Kahraman@wildlifetrust.org, mr.manatee@sbcglobal.net, sls2005@columbia.edu, alonsj@miamidade.gov, martine.dewit@myfwc.com, hughes@wildlifetrust.org, jon.peterson@Seaworld.com, dsschwartz@cfl.rr.com, latham.michelle@epa.gov, Katie.Brill@myfwc.com, megan.keserauskis@dep.state.fl.us, Edward.neugebauer@Seaworld.com, walshm@vetmed.ufl.edu, sidnej@miamidade.gov, kempis@miamidade.gov, sadella78@yahoo.com, grossman@xavier.edu, David.Foster@dep.state.fl.us, mike.hayes@dep.state.fl.us, Kane.Rigney@myfwc.com, awong@savethemanatee.org, Rachel.Nelson@lowryparkzoo.com, Keith\_Ramos@fws.gov, aklavans@gmail.com, srconnor@hotmail.com, loyalpat63@yahoo.com, MMargold@southfloridamuseum.org, dsemeyn@mote.org, sheri@mote.org, jhelseth@mote.org, ejugovich@mote.org, cbeck@usgs.gov, gay@gaycourter.com, lindsay.garrett@cincinnatizoo.org, mssail5024@aol.com, Michael\_Lusk@fws.gov, Ivan\_Vicente@fws.gov

**Subject:** Update 4/12/10

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 10 mapmya.jpg 193 KB

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Dear MRP:

Here are the latest updates on animals we are currently tracking and any other recent updates on other animals.

East Coast:

Boynton again spent the week in Indian River just south of Vero Beach, still appearing as if he is gradually going north.

Kennedy continued north this week to the northernmost part of Indian River, into the small creek north of Onion Farm

# Rescue Report

## GENERAL:

Date of Rescue: 17 May 2010 Date of Initial Call: 16 May 2010 Filed by: A. Spellman  
Rescue ID#: REC1020 Facility ID: SWFTm1017 FWC Case: 4375 Officer Name: Ofc. Slotin  
Sex: Female Length: 257cm Estimated: No 305kg  
PIT Tag Applied: PIT Tag Present: No #R ☐☐☐☐☐☐☐☐ L ☐☐☐☐☐☐☐☐  
LOCATION:  
State: FL City: Satellite Beach County: Brevard Waterway: Banana River  
Latitude (Decimal Degrees): 28.211722°N Longitude (Decimal Degrees): -080.608377°W  
Locality Description: Satellite Beach in canal behind 425 Dove Ln.  
Method of Capture: Net set from boat

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Buoyancy Issues

## Watercraft

Check one of the following:

- ☐ Propeller ☒ Skeg ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments:

## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/> SWF	<input type="checkbox"/>

### HISTORY

Date	Narrative
16 May 2010 Sunday, 1200hrs	FWC-biologist A. Spellman (ACS) responded to a page from FWC-Orlando dispatch regarding an injured manatee in Satellite Beach, Brevard County. Case No. 4375 was assigned. According to the complainant, Lori (321/557-6285), there was a manatee unable to submerge in the canal behind her condo at 425 Dove Ln. ACS responded to the location and searched the surrounding canal for 1.5 hours but was unable to locate the manatee described. ACS located 8 other manatees, including two newborn calves, and took photos of all of the manatees present for photo-ID. The complainant was not home, so ACS called and left a message stating that she was unable to locate the manatee and to please call it in immediately if seen again.
17 May 2010 0930hrs	ACS received another call from a different complainant regarding the same manatee. ACS responded immediately and located the manatee in question. The manatee was floating asymmetrically with the left side higher out of the water and it could not submerge freely. ACS immediately called FWC-biologist C. Rush and SWF staff to assist in a rescue. SWF confirmed they could assist. CNR called in former ECFL intern- J. Ludema (JRL) who was visiting the area at the time. ACS also requested officer assistance in keeping track of the manatee in the event it left the canal system. Ofc. Slotin was sent to help. Upon CNR's arrival, ACS instructed her to stay with the manatee via kayak but to

## Rescue Report

stay far enough back to not spook it. Once JEL arrived, she and ACS joined Ofc. Slotin in his boat. While waiting for SWF's arrival, ACS asked Ofc. Slotin to have dispatch make the necessary calls to get the SWF boat and staff into Patrick A.F. B.'s marina, the location of the nearest boat ramp. Dispatch was able to get them cleared through the central gate. Leaving CNR to monitor the manatee ACS, JEL and Ofc. Slotin met the SWF staff at the boat ramp and lead them back to the canal system and into the small cove where the manatee was floating. SWF media crew was picked up from shore on the FWC LE vessel and ferried behind the rescue boat. Ofc. Slotin dropped staff and the media crew off on shore near the manatee's location. CNR worked to get the manatee away from any pilings and boats and into the center of the boat basin.

SWF deployed the net and successfully surrounded the manatee. Unfortunately, its buoyancy issues allowed it to bounce over the net. Before a second attempt was possible a severe 20 minute thunderstorm hit the area. The rescue attempt was suspended until the storm and lightening past while crew took shelter anywhere possible. After the storm passed a second attempt was made. This attempt was successful. The manatee was brought on board then taken back to the boat ramp. The animal was immediately loaded into the transport truck and taken back to the park for treatment.

### Participants:

FWC: A. Spellman, C. Rush, J. Ludema, Ofc. Slotin  
SWF Staff

**Total time: 10 hours**

**REC1020**

Attachments: map, photos

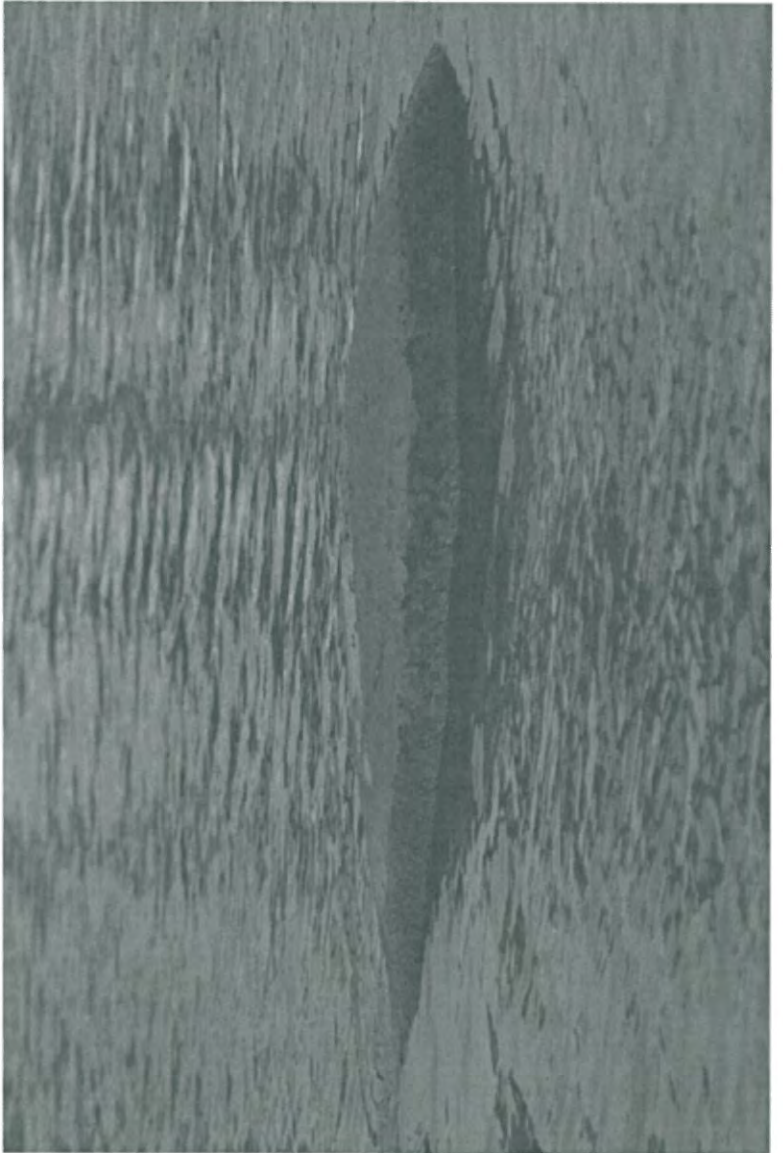
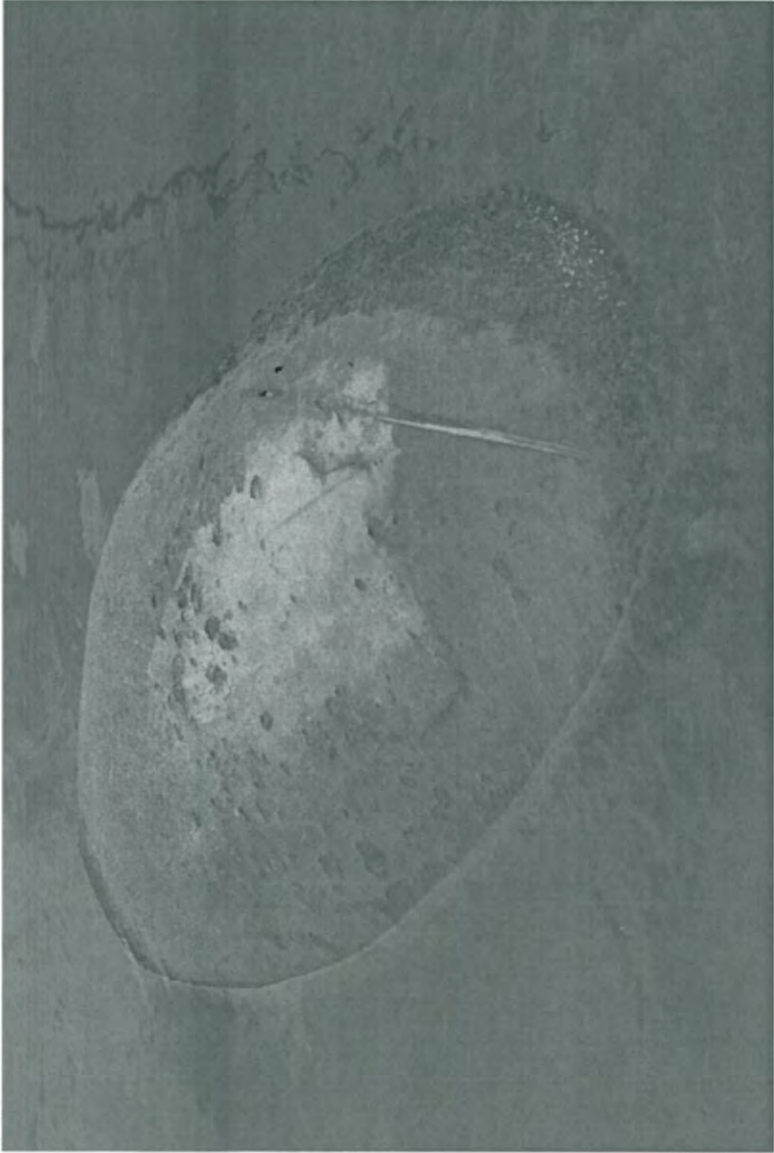
cc: FWRI, Field Labs, ISM, SWF, FWS



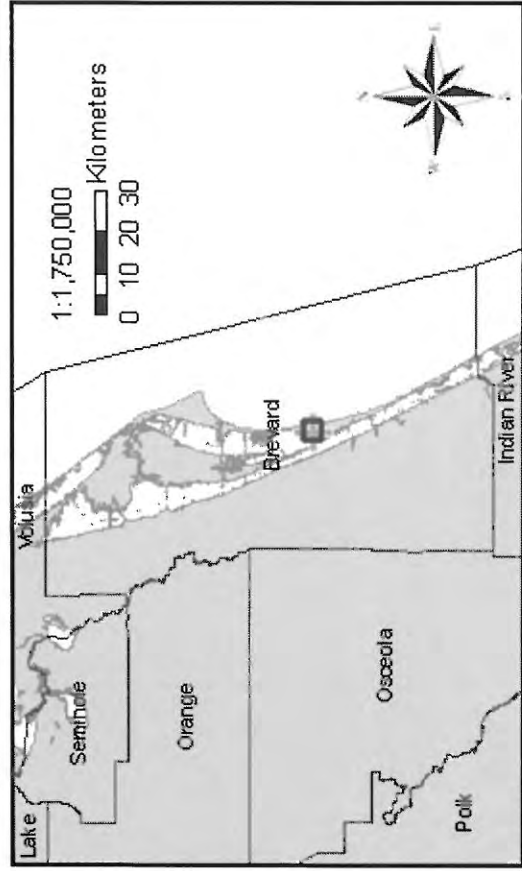
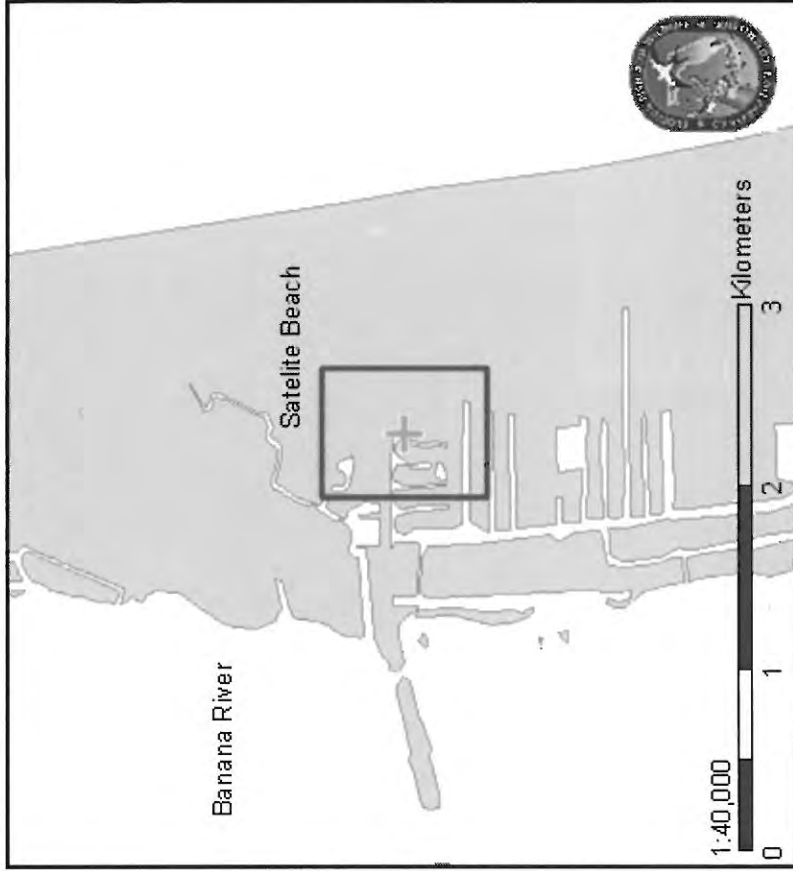




SWFTH10176  
REC1020



# Verified Rescue Location of Manatee REC1020/SWFTm1017



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
16	5	2010	REC1020	28.211722	-80.608377	5/17/2010	ACS,CIIR,SWF,ACS	

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann C. Spellman  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 01 June 2010

**SUBJECT:** The rescue of a positively-buoyant, female manatee from Satellite Beach,  
Brevard County on 17 May 2010 (REC1020/SWFTm1017).

The attached rescue report for **REC1020** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data





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Aug 27 11:43:24 AM Temp: 54°

NEWS WEATHER TRAFFIC SPORTS ON THE TOWN COMMUNITY POLITICS BUSINESS LOTTO VIDEO

Brevard Flagler Lake Marion Orange Osceola Seminole Sumter Volusia State National Space Health Español

Florida Decides: See all the results from Tuesday's primary.

## SeaWorld releases manatee in Brevard County



SeaWorld releases manatee



By Margaret Kavanagh, Reporter

Last Updated: Thursday, August 26, 2010 4:50 PM

**MERRITT ISLAND** -- A large manatee is set free in Brevard County after spending three months of rehabilitation at SeaWorld.

A crews from SeaWorld traveled to Kars Park in Merritt Island to release the 8 foot long and exactly 700 pound female manatee back into the water.

The animal was picked up in May in Satellite Beach.

Officials said she was having trouble floating in the water and couldn't submerge herself. They think she might have been struck by a boat and possibly swallowed a fishing line.

Biologists that originally rescued the mammal said watching this release is extremely rewarding.

"We you get to see these animals that you were able to help and get to on time, for them to have a second chance at life, it's the most gratifying thing you can think of, especially this year," said marine mammal biologist Christy Rush.

Florida Fish and Wildlife Conservation Commission reported there have been 29 manatees rescued in Central Florida since Jan. 1. Statewide, they have rescued 88 manatees.

The cold weather experienced this winter has made rescue officials very busy this year

### VIDEO STORIES

- SeaWorld releases manatee into Brevard County waters



Police: Stolen laptops used as weapon

Casual Dining  
Oceanfront Deck  
Dine Inside or Out  
Full Liquor Bar



DIGITAL DOPPLER X3



BREAKING NEWS ALERTS



In total, SeaWorld has rescued over 18,000 sick, injured, or orphaned animals.

## Comments

### Definitely not a waste

Debbie wrote:

Natural selection doesn't apply because it isn't natural for us to be in their environment with motor boats and fishing line. Good job Sea World for saving as many as you do.

[Post a comment](#)

2010-08-26 21:01:00

[Report this post](#)

### Not a waste

Tony wrote:

Not a waste of money since it isn't natural for a manatee to be swimming around and get some idiot's fishing line stuck in her throat!

2010-08-26 12:46:00

[Report this post](#)

### Waste of money

Bob wrote:

Has no one heard of Natural Selection. Waste of money.

2010-08-26 12:25:00

[Report this post](#)

Name:  Email:

Subject:

Comment:

[Post](#)

**POSTING PROCESS:** Comments will appear on the page within 10 minutes of a submission. There is a 400 character limitation to each post and comments will be held to this restriction. If you see a post you feel violates the posting policy please click on Report this post for a staff member to review.

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## Szemer, Donna

---

**From:** Nicole\_Adimey@fws.gov  
**Sent:** Tuesday, August 31, 2010 1:23 AM  
**To:** Szemer, Donna  
**Subject:** Re: FW: Data change  
**Attachments:** graycol.gif; pic24488.gif; ecblank.gif

Thnx for this Donna. I would concur they should be changed. I would go with natural option..if you are ok with it pls go ahead and change.

Thnx!!!

---

Nicole Adimey  
U.S. Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
7915 Baymeadows Way, Suite 200  
Jacksonville, Florida 32256-7517  
904.731.3079 (direct)  
904.731.3336 (main)  
904.731.3045 (fax)  
nicole\_adimey@fws.gov  
<http://www.fws.gov/northflorida>  
"Szemer, Donna" <Donna.Szemer@MyFWC.com>

"Szemer, Donna"  
<Donna.Szemer@MyFWC.com>

08/30/2010 02:19 PM

To "Nicole\_Adimey@fws.gov"  
<Nicole\_Adimey@fws.gov>

cc

SubjectFW: Data change

Nicole-

When talking to Ann the other day, she mentioned that SWFTM1017B and SWFTM1023B were rescued for possible buoyancy issues related to watercraft injuries. At Sea World, they did not find any trauma or obvious signs for the buoyancy issues (see below for correspondence with Bob Wagoner).

I think we should change the COR to "Natural, excessively buoyant" for these two cases (or possibly "Undetermined, buoyancy issues"). I don't think we should leave these as Watercraft as this was not determined to be the case.

Let me know what you think. I can make the corrections to the web database and let Bob and Ann know what we decide so they can adjust any notes they may have.

Thanks,

Donna

(FYI: I already corrected the PIT tag numbers for Bob.)

**From:** Wagoner, Robert C. [<mailto:Robert.Wagoner@SeaWorld.com>]

**Sent:** Sunday, August 29, 2010 4:30 PM

**To:** Szemer, Donna

**Subject:** RE: Data change

Hi Donna,

When SWFTm1017B came in she had some buoyancy issues, we even tried to tap her chest and got nothing. When she came in she was sitting somewhat high in the water but then we notice her buoyancy issues changed over time, only her back end started to sit high and over time that changed to where she was floating normal. She never really passed a lot of gas and she didn't have much defecations in the beginning, we even mineral oiled her several times and got nothing but they did get better and she did pass some monofilament. Our vets were thinking possible impaction or GI issues? But the cause was never really identified.

When SWFTm1023B came in she did have some prop scars on her but they were only superficial, she was supposedly sitting high in the water also when rescued but when we put her into the med pool she really didn't sit that high and she eventually started to float more normal.

We did radiographs and ultra sounded both SWFTm1017B and SWFTm1023B and neither one on them showed any signs of fractured bones or possible air leakage into the chest cavity. Again our vets were never able to figure out exactly what the problem was for either one, we don't believe it was watercraft though! So I don't know if you might want to change the COR in the the database

Thanks,  
Bob

---

**From:** Szemer, Donna [<mailto:Donna.Szemer@MyFWC.com>]

**Sent:** Friday, August 27, 2010 10:06 AM

**To:** Wagoner, Robert C.

**Subject:** RE: Data change

Bob,

From the original reports, these two animals were rescued with what appeared to be watercraft injuries (recent/healed wounds and buoyancy issues). Yesterday, Ann mentioned that there was no indication of internal trauma to these animals when they were examined at Sea World.

From your findings, is it assumed that they were probably floating due to GI issues or for some other reason (possible Natural) and the external watercraft injuries were only incidental?

What are your thoughts?

Thanks,  
Donna

**From:** Wagoner, Robert C. [mailto:Robert.Wagoner@SeaWorld.com]  
**Sent:** Thursday, August 26, 2010 5:55 PM  
**To:** Szemer, Donna  
**Subject:** Data change

Donna,

I need a big favor, I need to change some pit tag information in the manatee database. I went in today to enter the left pit tag #0006E7782C for SWFTm1017B but found that I had already entered pit tag numbers for this animal unfortunately they were entered for the wrong animal. The right pit tag #0006E757D9 and the

left pit tag #0006DF2523 should have been entered (8/10/10) for SWFTm1023B, they show up under SWFTm1017B. SWFTm1017B should only show the one pit tag for the left side #0006E7782C, I didn't actually enter it yet, didn't want to add to the confusion. There is no pit tag for the right side, we tried to pit tag her right side, the first one went dead, tried again and the second one went dead, our vet said that was it, so she only got one in the left shoulder, this was done today (8/26/10).

If you could please go into the database and make these corrections I would really appreciate it. If you have any questions please give me a call at 407-765-0464.

Thanks again,  
Bob

---

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# Rescue Report

Entered  
6/4/10  
JSS

Rescued  
Watercraft

## GENERAL:

Date of Rescue: 19 May 2010	Date of Initial Call: 19 May 2010	Filed by: C. Rush
Rescue ID#: REC1021	Facility ID: SWFTm1018b	FWC Case: N/A
Officer Name: FWC-Ofc. M. Slotin		
Sex: Female	Length: 229 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R L
LOCATION:		
State: FL	City: Indialantic	County: Brevard
Waterway: Indian River		
Latitude (Decimal Degrees): 28.119362°N	Longitude (Decimal Degrees): -080.590737°W	
Locality Description: Indialantic, in the canal behind 2356 Brookside Dr.		
Method of Capture: Net set from boat.		

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☒ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook            |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy            |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap            |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify) |

**Location of Entanglement:**

**If Crab Pot:**

Float#:

Color:

Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☒ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
19 May 2010, at 0934 hrs	<p>FWC-biologist C. Rush (CNR) answered the office phone regarding an injured manatee in Indialantic in Brevard County. The complainant, John Martin (321-258-5231) informed CNR that a manatee was in the canal behind his house with "guts hanging out," but still alive. After briefly speaking to the complainant, CNR departed the field lab to verify the injured manatee. Upon arrival to 2394 N. Riverside Dr., CNR was immediately taken to the injured manatee. CNR photographed the manatee and attempted to contact SeaWorld (SW) Bob Wagoner. CNR left him a message and attempted to contact multiple other SW staff. CNR eventually got a hold of B. Hughes (BH) and informed him of the situation and requested a rescue crew. BH informed CNR that a crew was not available and that the rescue boat was down. Due to the severity of the injury, CNR requested that a vet be on scene for the rescue. BH informed CNR that he would have to call her back. CNR then contacted FWC-biologist A. Spellman (ACS) to inform her of the manatee's condition. ACS attempted to contact MMPL-A. Garrett to inform him of the situation and requested assistance, but MMPL staff was in necropsy, so ACS did not get a response at that time. Meanwhile, SW-Vet L. Croft contacted CNR to inform her that she was able to be on scene. CNR inquired if an extra staff member could assist as well so the beachy van could be used rather than renting a U-Haul incase the manatee did not have to be euthanized and taken back to the park instead. Dr. Croft informed CNR that BH would call her back. BH contacted CNR shortly after and informed CNR that 2 care staff were available to assist and that they would</p>

## Rescue Report

bring the beachy van. While CNR was on the phone with BH, ACS left CNR a message to inform her that MMPL staff was not available to assist. CNR then attempted to contact the SEFL to see if their rescue boat was available. SEFL staff was at a release and would not be available for quite some time, so CNR contacted FWC-biologist R. Berger (RWB) to see if he was able to assist with the NEFL rescue boat. RWB was able to assist with an estimated ETA of 1400 hrs. After the rescue boat was secured, CNR worked on assembling the rest of the rescue team while in the kayak since the manatee started to travel through the canal system. CNR contacted ACS and requested that she take the camera to download the photos and send a few to Dr. Croft. Meanwhile, CNR kept a close eye on the manatee from the kayak. At approximately 1300 hrs, RWB informed CNR that he had a flat tire on the boat trailer and would call her as soon as it was fixed. Soon after the call, the manatee quickly swam through the canal system and out into the Indian River. CNR eventually coaxed the manatee back into the canal system and had the crew meet at a house at the end of the canal in the mean time. ACS swapped positions with CNR and boarded the kayak. At 1500 hrs, the rescue crew met RWB at the Eau Gallie Boat Ramp and departed for the near-by canal. ACS corralled the manatee into an open portion of the canal and the manatee was captured on the first net set from the boat. The manatee was taken to a small boat ramp down the canal for assessment. Dr. Croft did an exam and determined that the manatee was not a good rehabilitation candidate. The crew put the manatee into a stretcher and loaded it into the SW beachy van. The manatee was euthanized in the van, and then taken to the ECFL. CNR, MEL, and SW staff loaded the manatee into the carcass trailer. CNR transported the carcass to the MMPL that evening, and it was loaded into the cold room by 2045 hrs.

### Participants

FWC: C. Rush, A. Spellman, M. Lizotte, R. Berger, J. Ludema (volunteer), L. Cross (volunteer)

Hubbs SeaWorld: W. Noke, A. Bond (volunteer)

SeaWorld: Dr. L. Croft and animal care staff

REC1021

Attachments: map

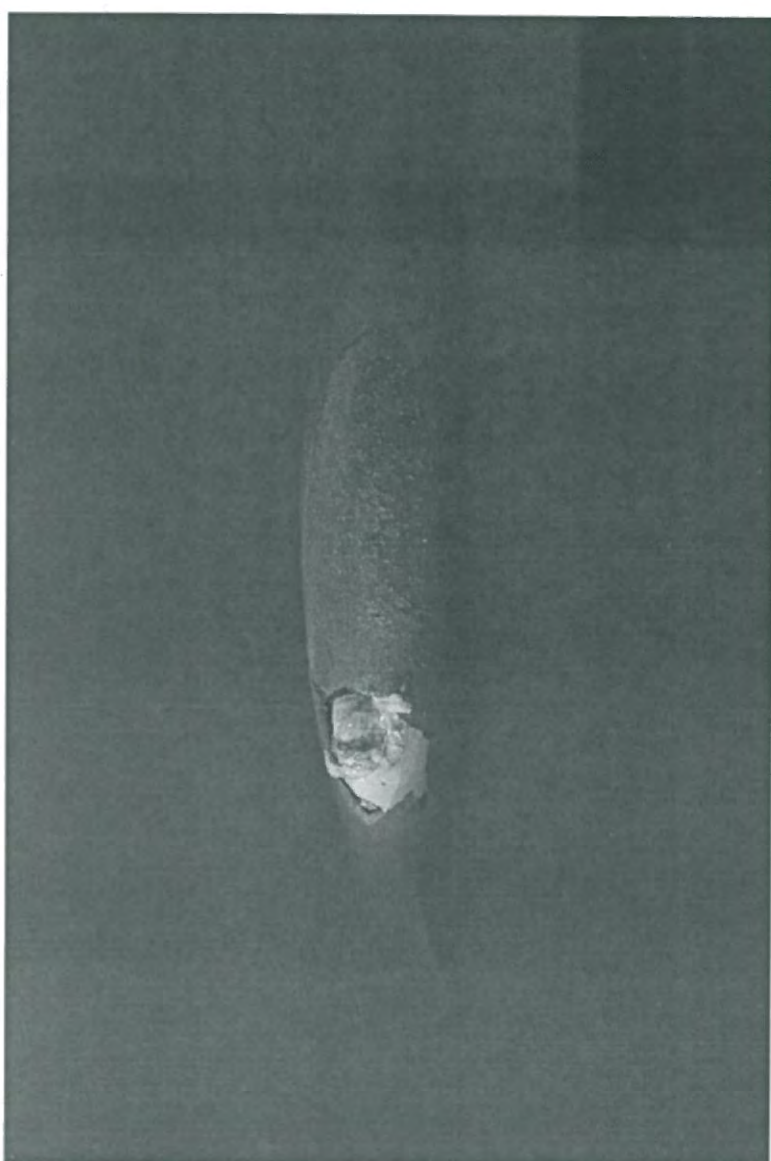
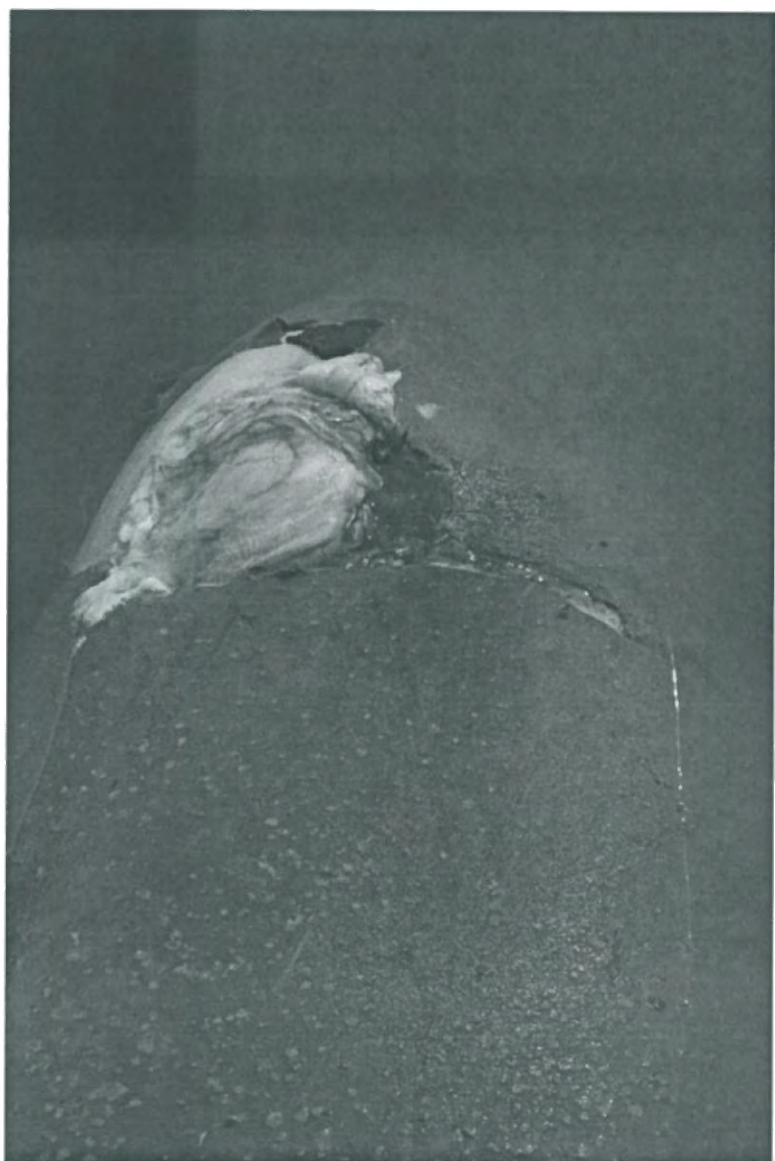
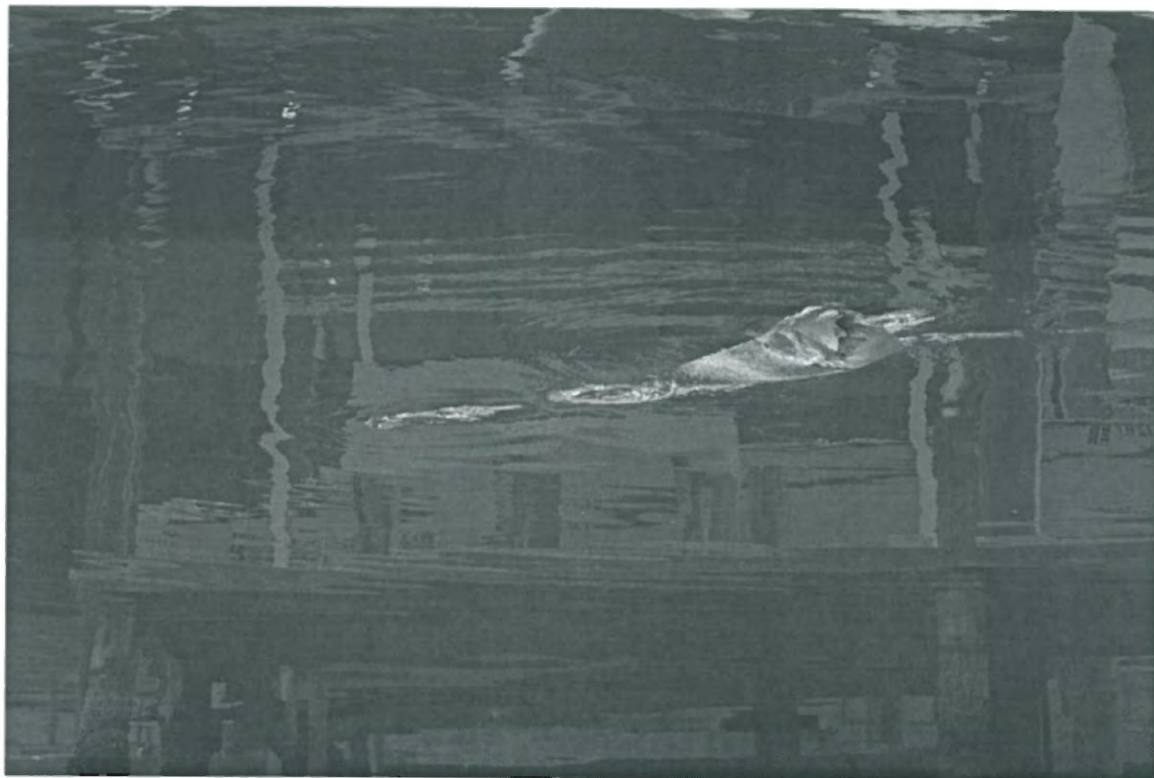
Photographs: attached

Cc: L.Ward, FWRI- Mammals, N. Adimey, ISM, SWF





SWFTH1018B  
REC1021

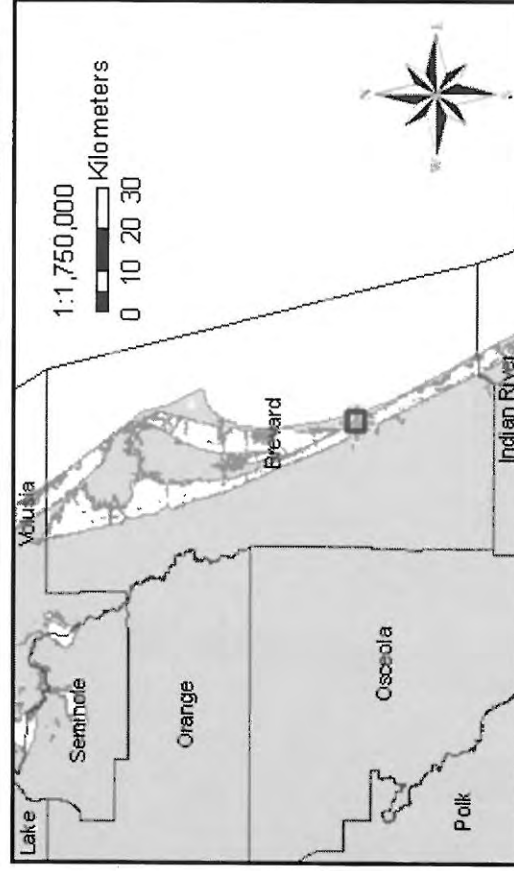
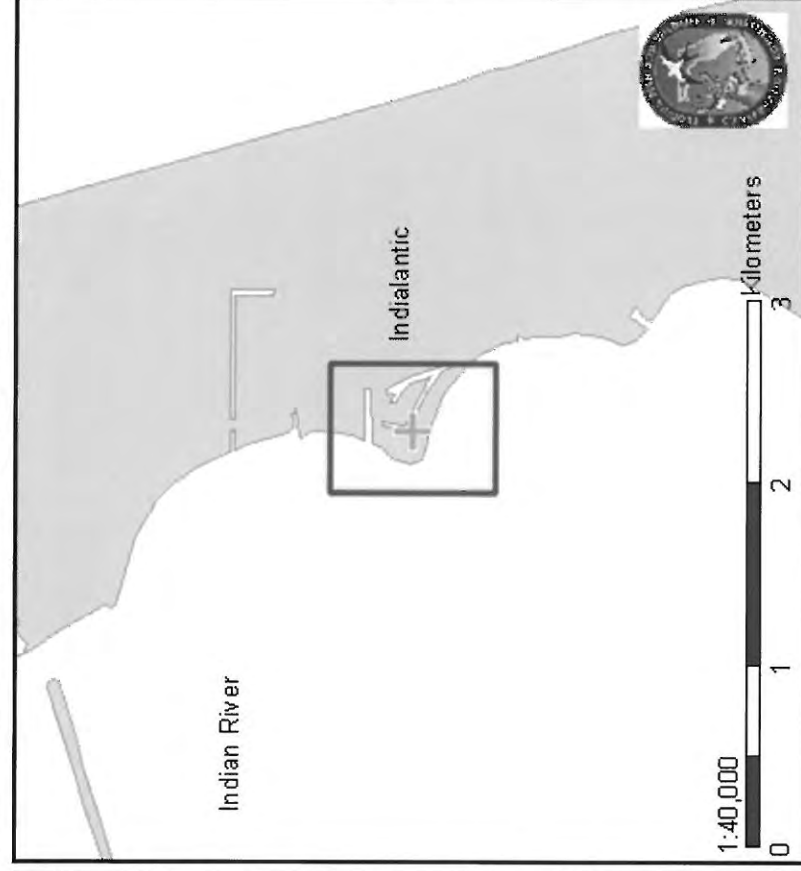




# Verified Rescue Location of Manatee REC1021/SWFTm1018



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
19	5	2010	REC1021	28.119362	-80.590737	5/19/2010	ACS, CIR, SWF	ACS



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 02 June 2010

**SUBJECT:** The rescue of a manatee with an open watercraft wound from Indialantic in the Indian River on 19 May 2010 (REC1021/SWFTm1018b).

The attached rescue report for **REC1021** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

# 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 # SWFTm1018b  
Date of Report: 2010- May -25  
Filed By: FWC MMPL

FWC Case #

FWC Region: NE

Sex: Female

Length: 229.0 cm

Weight: 224.5 kg.

DATE REPORTED: 2010- May -19

By: FWC-CNR

DATE COLLECTED: 2010- May -19

By: FWC-CNR

DATE NECROPSIED: 2010- May -20

By: MMPL-MdW,KAB,ARH,JMB

LOCATION: State -- FL

Latitude: 28.119362 N

County -- Brevard

Longitude: 80.590737 W

Waterway -- Indian River

Locality description: Indialantic, in the canal behind the residence at 2356 Brookside Dr.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Human Related: Watercraft Collision

Explain: Impact,chronic.Penetrating wound;luxated rib;fractured vertebrae,kidney;torn hemi;necrotic tissue;blood clots;froth,mucus airways;bloody,discolored liver; congested mucosa; serous fats, thymus, tissue.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, fluke, internal, other

MATERIALS COLLECTED:

histology, genetics, earbone, ELISA toxicology samples, archive toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements, histology report, organ weights, wound measurements, rescue report.

REMARKS:

PIT tag scan negative. See rescue report REC1021. Animal was euthanized at 1700 hrs.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	21 July 11
NecrReport	21 July 11
Lat/Long	21 July 11

Entanglement  
Crabtrap



## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
06 June 2010, At 0754 hrs:	<p>FWC on-call biologist R. Berger (RAB) responded to a page from FWC-dispatch Orlando regarding an entangled manatee in Titusville, Brevard County. FWC case number 5095 was assigned. According to the complainant, Rick Meli (321-229-8637), there was a manatee entangled to a crab pot trap in the Mosquito Lagoon in the Canaveral National Seashore. RAB passed the information to FWC-biologist M. Lizotte (MEL) via her Nextel.</p> <p>MEL called the complainant to obtain a better description of the entanglement and the manatee's location. MEL asked Rick Meli to keep an eye on the manatee's location while MEL was en route to the scene. MEL also arranged to meet with the complainant when she arrived at the scene to take her out on his boat to the manatee. MEL then called FWC-dispatch and requested officer assistance, but none was available. MEL arrived at the Beacon 42 boat ramp north of the Haulover Canal at 1000 hrs. MEL called Rick Meli to inform him that she had arrived, but Meli stated that he had lost sight of the manatee. MEL obtained information on the color and shape of the buoy that was a part of the entanglement around the manatee and kayaked to the area that it was last observed. At channel marker 41, Rick Meli met up with MEL in his boat and reported that he had found the manatee again. MEL rode with Meli to the manatee. MEL verified the manatee's entanglement by 1050 hrs. MEL noted that in addition to being entangled in rope and a buoy, the manatee was also dragging a crab trap. The manatee appeared to be about 4 feet in length and</p>

## Rescue Report

presently had no adult manatee with it. MEL contacted FWC-biologist A. Spellman (ACS) to ask what she should do for the manatee calf. After asking MEL several questions to get a better feel for the situation, ACS instructed MEL to cut the trap off the calf first if she could get close enough and to leave the float on in case the calf was orphaned. ACS advised MEL to then see if the calf was able to join back up with an adult. MEL was able to reach over the side of the boat while the calf was in the shallow water and cut the line to the trap by 1105 hrs. MEL recovered the trap and reported it to FWC-Orlando dispatch. The calf, while exhausted, did join back up with a larger manatee. MEL called ACS back with the update. MEL and Meli tried to follow the manatee to remove the rope and buoy, but the calf and the adult evaded the boat and eventually swam into the Haulover Canal. ACS contacted FWC-biologist C. Rush (CNR) and together they met up with MEL to better assess the situation. With the assistance of Ranger R. Lenard of the north Canaveral National Seashore, they searched for the mother/calf pair by boat in both the Mosquito Lagoon and Haulover Canal. The pair was eventually spotted in the Haulover Canal. Ranger Lenard was able to get ACS close enough to the trialing pot line that she was able to grab onto the line and tie a VHF transmitter to it. Pending storms in the area did not allow for staff to proceed any further. ACS called SeaWorld on the way out of the refuge to see if any assistance might be available the following morning. B. Wagoner informed her that they would not be able to send anyone the following day but possibly the day after. ACS and CNR discussed their options as well as the condition of the trap. It look as if it had only recently become entangled as the cage was in perfect shape and the floats corresponded to other traps in the immediate area they had searched. CNR and ACS agreed to try and find the calf the following morning to see if they might be able to swim up to it and cut the remaining line and pot off.

07 June 2010

CNR and ACS met at 0800hrs the following day and while en-route to the refuge with a boat, they received word from the refuge office that NASA biologists had spotted their tagged manatee calf in the Haulover Canal near the manatee observation deck. CNR asked that NASA staff maintain visual contact if possible until ECFL staff got their boat launched and met up with them. Within a half an hour ACS and CNR met up with NASA staff and took over the tracking. After discussing their approach, CNR volunteered to be the first in the water to try and approach the calf and cut the line off using ballpoint scissors. ACS dropped CNR into the water near the manatee pair, and then used the boat to encourage the pair towards CNR's location. Twice CNR was able to grab on to the transmitter and work her way towards the calf, only to have the mom push her away. CNR came back to the boat for a brief rest then decided to try one more time before she and ACS traded places. The third time ACS worked the calf to her with the boat, CNR was able to get right up to its flipper and hang on as she slipped the scissors under the line, successfully cutting the line free. CNR swam the gear back to the boat as the mom calf pair swam away.

## Rescue Report

### Participants:

FWC: A. Spellman, M. Lizotte, C. Rush

NPS: Ofc. Lenard

OCSO: Lt. R. Meli

### Total time:

**REC1023**

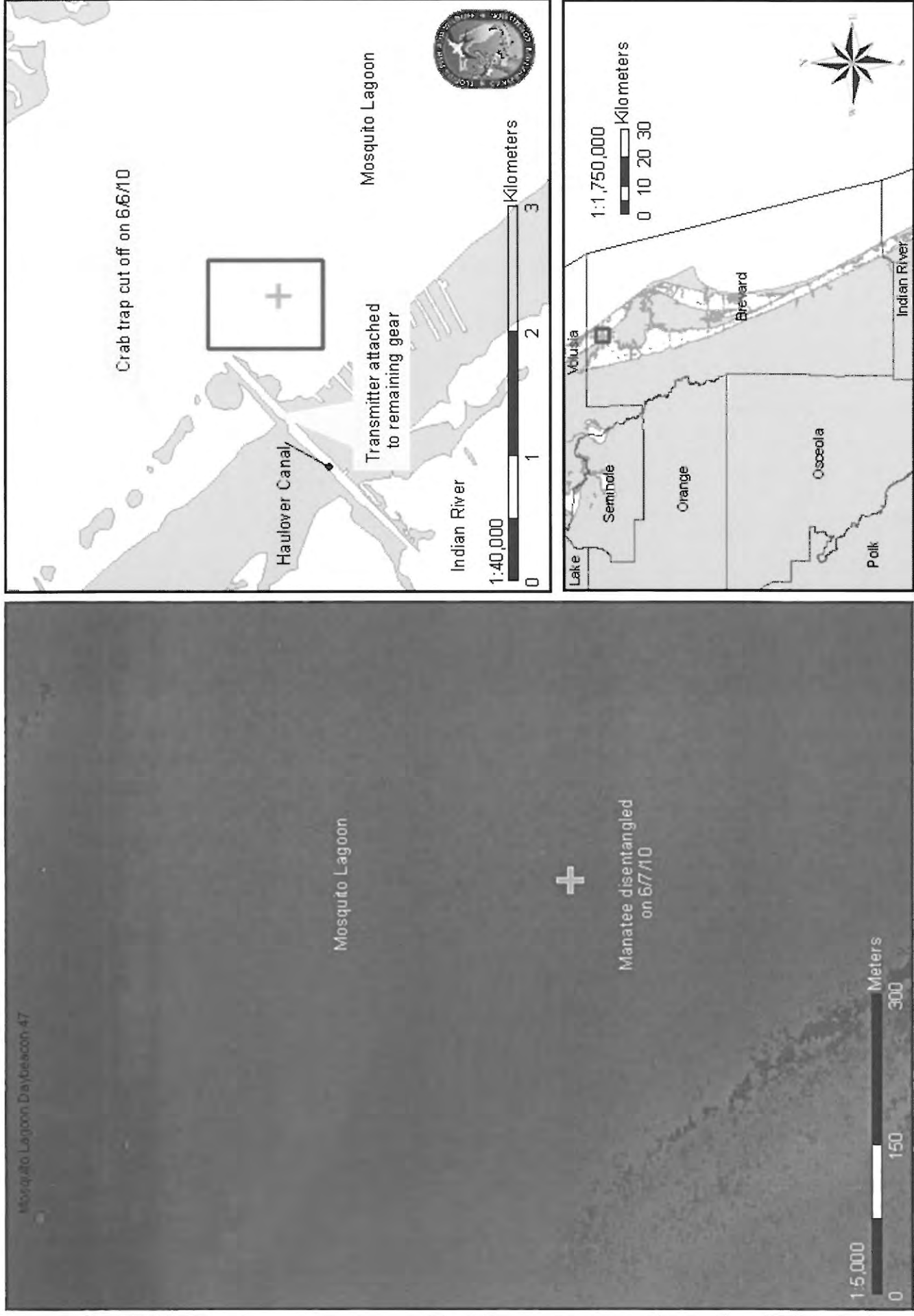
Attachments: map

Photographs: FWC008\_323:2340-324:2419

cc: FWRI, Field Labs, ISM, SWF, FWS



# Verified Rescue Location of Manatee REC1023



REPDY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
6	6	2010	REC1023	28.739702	-80.742963	6/7/2010	MEL,CHIR,ACS,CHIR	



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann C. Spellman and Megan Lizotte  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 21 June 2010

**SUBJECT:** The rescue of a crab-pot entangled, dependent manatee calf in Mosquito Lagoon on 07 June 2010 (**REC1023**)

The attached rescue report for **REC1023** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data

# Rescue Report

Asst. & Rel  
Entered 6/25/10  
Entanglement  
Crab trap

## GENERAL:

Date of Rescue: 18 June 2010 Date of Initial Call: 17 June 2010 Filed by: C. Rush  
Rescue ID#: REC1024 Facility ID: SWFTm1019b FWC Case: 5401 Officer Name: FWC-Ofc. P. Corley  
Sex: Male Length: 200 cm Estimated: No  
PIT Tag Applied: No PIT Tag Present: No #R ☐☐☐☐☐☐☐☐ L ☐☐☐☐☐☐☐☐  
LOCATION:  
State: FL City: Palm Bay County: Brevard Waterway: Turkey Creek  
Latitude (Decimal Degrees): 28.02471°N Longitude (Decimal Degrees): -080.591063°W  
Locality Description: Behind 1141 Sunswept Rd. N. E.  
Method of Capture: Single net set from boat, then stretcher to load the manatee onto the boat.

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☒ Buoy  
☒ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: V6620 Color: Gold on top with a yellow band in the middle and white on bottom Line Type:: Polypropylene

**Damage from Gear:**

- ☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments: The skin was indented due to constriction.

## Rescue Report

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
17 June 2010, at 1530 hrs:	<p>On-call FWC-biologist C. Hudak (CAH) contacted FWC-biologist C. Rush (CNR) regarding an entangled manatee in Palm Bay in Turkey Creek. FWC-case number 5401 was assigned. CAH informed CNR that she had spoken with the complainant, David (321-794-3971), and based on his description, the manatee was entangled with a crab pot float and line. Due to poor water visibility and hour of the day, the complainant was unable to determine if a crab trap was attached as well. After speaking with CAH, CNR contacted the complainant as well to see if any pictures were taken. The complainant informed CNR that no pictures had been taken yet and that the manatee was still behind his residence (1171 River Dr. N.E.). CNR informed the complainant that she would be there in approximately 45 minutes to assess the manatee.</p> <p>Upon arriving to the complainant's house, CNR was informed that they had lost sight of the manatee, but it could not have gone too far. CNR, the complainant, and a house guest, Jason, went out in a canoe to locate the manatee. The manatee was located soon after and Jason attempted to photograph the small manatee. CNR was dropped off at the sea wall and grabbed her snorkel gear and along with a VHF tag. Since the manatee was staying in the same area, CNR slipped into the water and attempted to tag the manatee. Unfortunately,</p>

## Rescue Report

severe weather moved in and CNR was forced to get out of the water. The complainant informed CNR that he would contact her if the manatee was still there the following morning.

18 June 2010, at  
0830 hrs:

CNR contacted dispatch to see if an officer was available to assist with searching Turkey Creek for the entangled manatee. Dispatch informed CNR that they would call her back if they had an officer. CNR then contacted SeaWorld-Curator B. Hughes (BH) to inform him of the entangled manatee and inquired about rescue crew availability. BH informed CNR that they were short staffed, but would put together a small crew incase the manatee was found. Dispatch informed CNR that FWC-Ofc. P. Corley was able to assist. CNR and Ofc. Corley searched Turkey Creek from 1000 hrs until 1145 hrs, but were unable to locate the manatee.

At 1220 hrs, a second complainant, Kevin (321-298-9956), called in the manatee. At the same time, CNR received a call on her Nextel from the original complainant. The manatee was back in the same place as the previous evening. Since the complainants were all watching the manatee, CNR contacted BH to get the rescue crew on the road. CNR and FWC-Volunteer K. Rudisill (KAR) went to the complainant's house and kept an eye on the manatee. Again, severe weather moved in and the manatee was on the move. Since there was lighting, neither CNR nor KAR could get in the kayak to follow it. Luckily, the manatee came back after approximately 20 minutes.

CNR met the SWF staff at the Pollack Park Boat Ramp around 1445 hrs while KAR stayed at the complainant's house to keep an eye on the manatee. Although the manatee moved around the corner, it only took a few minutes for the rescue crew to locate. A single net set was deployed from the boat. The manatee started to get entangled in the bag, so SWF-JP and B. Wagoner got into the water to hold the manatee while CNR jumped in with the stretcher. More animal care staff assisted with getting the manatee, still entangled in the net, onto the stretcher. The manatee was walked over to the boat and pulled aboard. Once on board, SW-Vet S. Gearhart began to disentangle the manatee. The entanglement went over the manatees head, but only the left pectoral flipper was entangled. After the polypropylene line was removed, the manatee was deemed fit to be released. The flipper was indented where the entanglement was due to constriction, but no lesions or further damage were observed. The manatee was brought back to the Pollack Park Boat Ramp for measurements and PIT tag scan. CNR had to leave the ramp before releasing the manatee to check on another manatee in distress in Merritt Island. The SeaWorld crew released the manatee on site.



## Rescue Report

**Participants:**

FWC: C. Rush, K. Rudisill

SeaWorld Animal Care Staff

**Total time: 6 hrs**

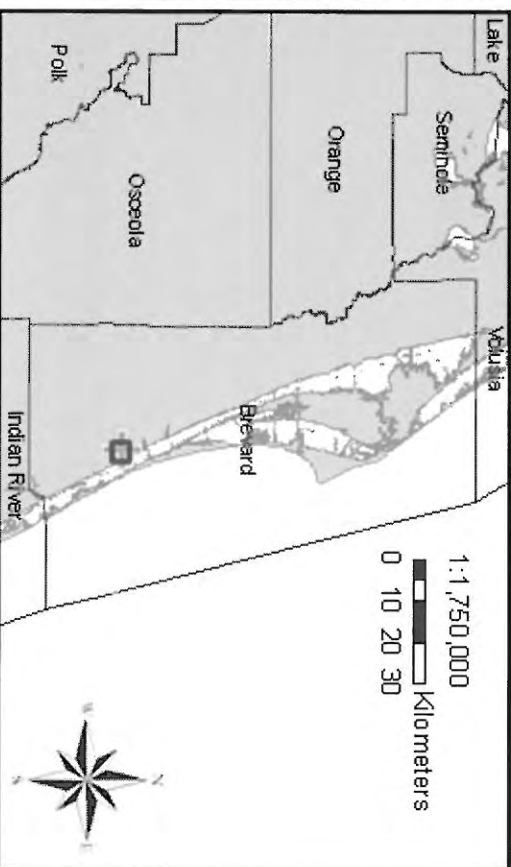
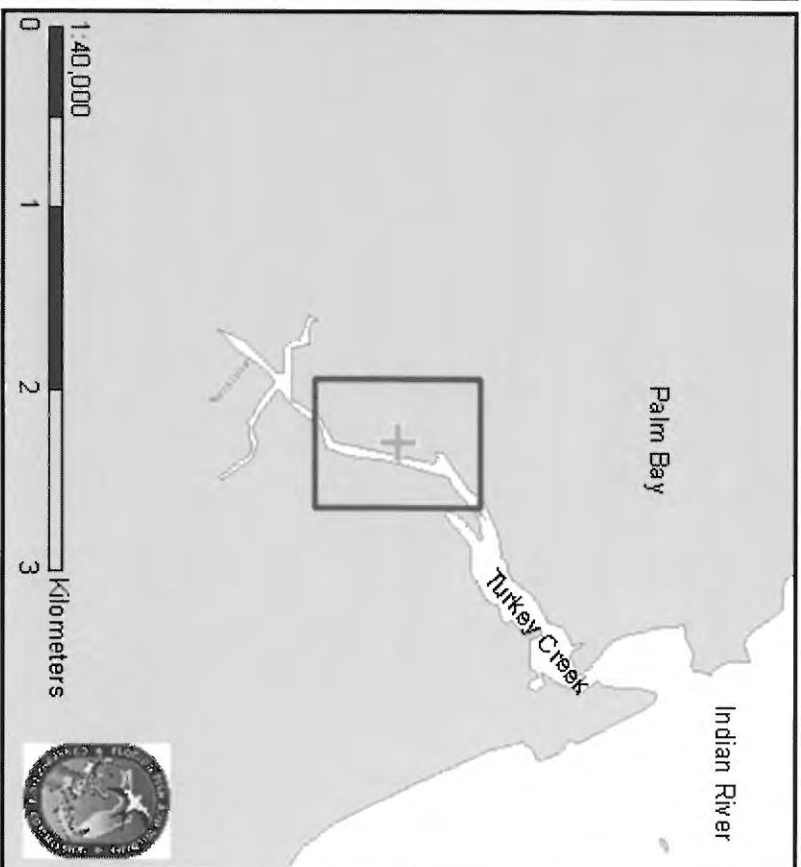
**REC1024**

Attachments: map, Photos

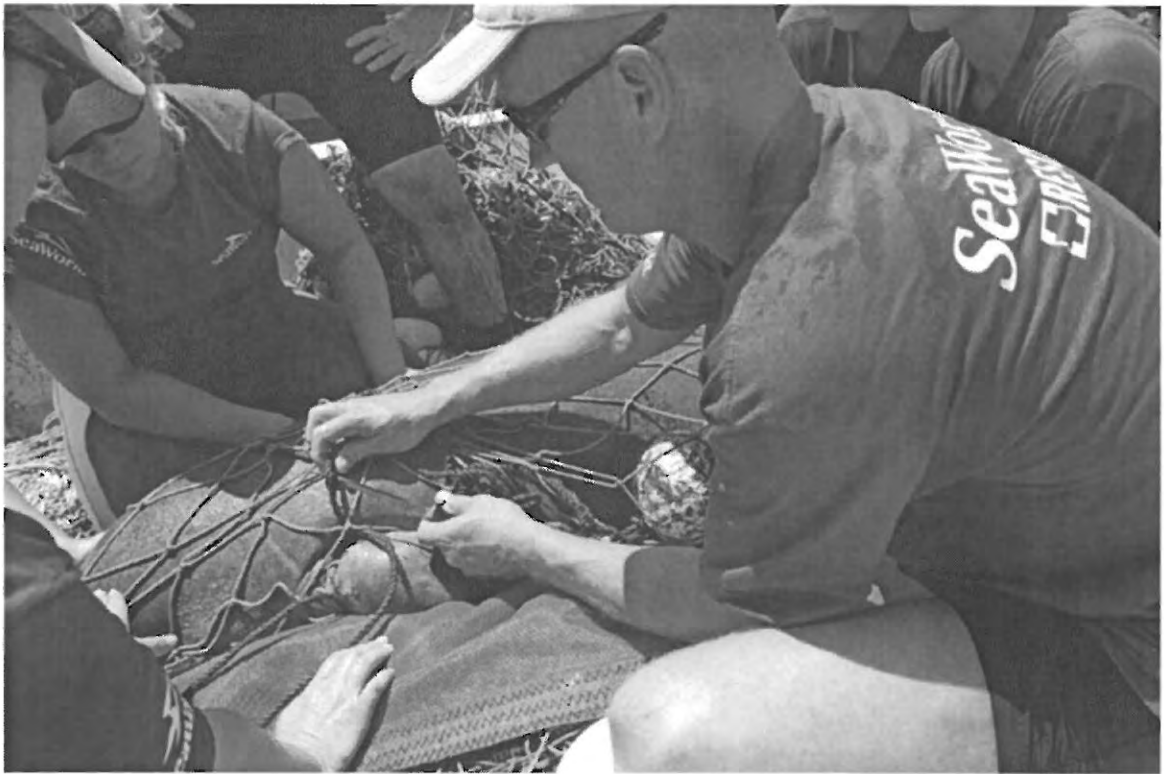
cc: FWRI, Field Labs, ISM, SWF, FWS



# Verified Rescue Location of Manatee REC1024



REPDAY	REPMONTH	REYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
17	6	2010	REC1024	28.02471	-80.591063	6/18/2010	CHP,KAR,SWF	CHP



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 22 June 2010

**SUBJECT:** The rescue and release of a small manatee entangled in gear from a crab pot in Palm Bay in Turkey Creek on 18 June 2010 (REC1024/SWFTm1019b).

The attached rescue report for **REC1024** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data



# Rescue Report

Entered  
8/24/10  
SS

Resc/Rel  
8/24/10  
~~Watercraft~~  
Natural  
Buoyancy

## GENERAL:

Date of Rescue: 23 June 2010	Date of Initial Call: 23 June 2010	Filed by: A. Spellman
Rescue ID#: REC1027	Facility ID: SWFTm1023	FWC Case: 1025
Officer Name:		
Sex: Female	Length: 255	Estimated: No
PIT Tag Applied:	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: New Smyrna Beach	County: Volusia
Waterway: Mosquito Lagoon		
Latitude (Decimal Degrees): 28.952207N		Longitude (Decimal Degrees): -080.8457W
Locality Description: North of North Canaveral National Seashore, off of Haddock Ave		
Method of Capture: Net set from boat		

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Buoyancy Issues

## Watercraft

Check one of the following:

- ☒ Propeller ☒ Skeg ☒ Suspected Impact

Describe: (Superficial prop and skeg marks over left side, positively buoyant)

marked  
to "Other"

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe:

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
23 June 2010; 1030hrs	<p>FWC-biologist C. Rush (CNR) received a call from FWC-biologist R. Berger regarding a report he had received from Volusia County Natural Resources Management (VCNRM) employee-K. Shaffer (KS) about an injured, positively buoyant manatee she had come across while leading a children summer camp kayaking tour in Mosquito Lagoon near the Canaveral National Seashore, off of New Smyrna Beach. CNR contacted KS directly and KS provided the location of the manatee as she had to return the kids to shore. KS after returning the campers to shore returned to and stayed with the manatee until CNR and FWC-biologist A. Spellman (ACS) could respond to the area. En-route, CNR contacted SeaWorld animal care staff to request assistance with a rescue. SWF agreed to come out as soon as a crew could be put together. Upon arrival at the site, CNR and ACS assessed the manatee which was not only having buoyancy issues but was prone to roll over on its side after taking a breath. There were recent but already healing series of propeller and skeg wounds to the manatee's dorsum. Once SWF arrived ACS joined them on the boat while CNR and KS stayed with the manatee using kayaks and kept other curious kayakers out of the small cove where the manatee was located. There were several other manatees in the cove with it including two mother-calf pairs in which the calves were very young.</p> <p>Once the rescue boat was launched, ACS directed the SWF crew to the</p>

## Rescue Report

location. The manatee had now moved out into the river, out of the cove. Using the kayaks the manatee was maneuvered into a more suitable location to catch it with the intent of avoiding capture of any of the other manatees, especially the mom/calf pairs. The first set was unsuccessful when the manatee managed to get out before it could be pulled in. During the second set it also escaped but as the net was being hauled in for a reset, it became apparent that a mother -calf pair was in the net. The crew quickly pulled the very small calf in first, handing it off to ACS to deal with while they worked to free the mother. ACS took the opportunity to check the calf out for any injuries and to get a sex. ACS estimates that the calf was four feet in length and approximately 2 months in age. Once the mother was freed from the net, ACS and a SWF staff member released the calf over the side. The calf quickly joined back up with the mother and swam away. A third and final set for the injured manatee was successful and it was hauled on board safely. Sex was determined and ACS photo-documented and PIT scanned the manatee before it was loaded into the transport truck and taken back to SWF. All three manatees were assigned rescue numbers in the order in which they were captured.

(NOTE: No indications of trauma ... SeaWorld)

### Participants:

FWC: A. Spellman, C. Rush

SWF Animal Care staff

VCNRM: K. Shaffer

**REC1027**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS



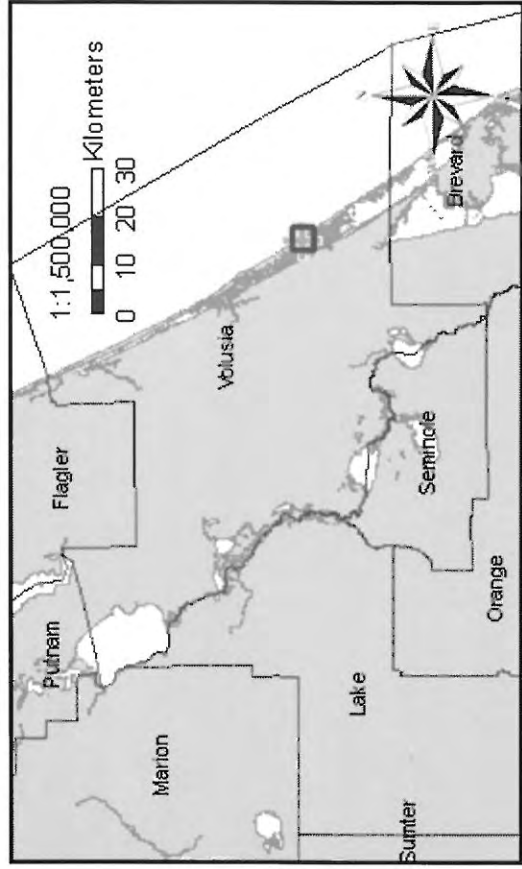
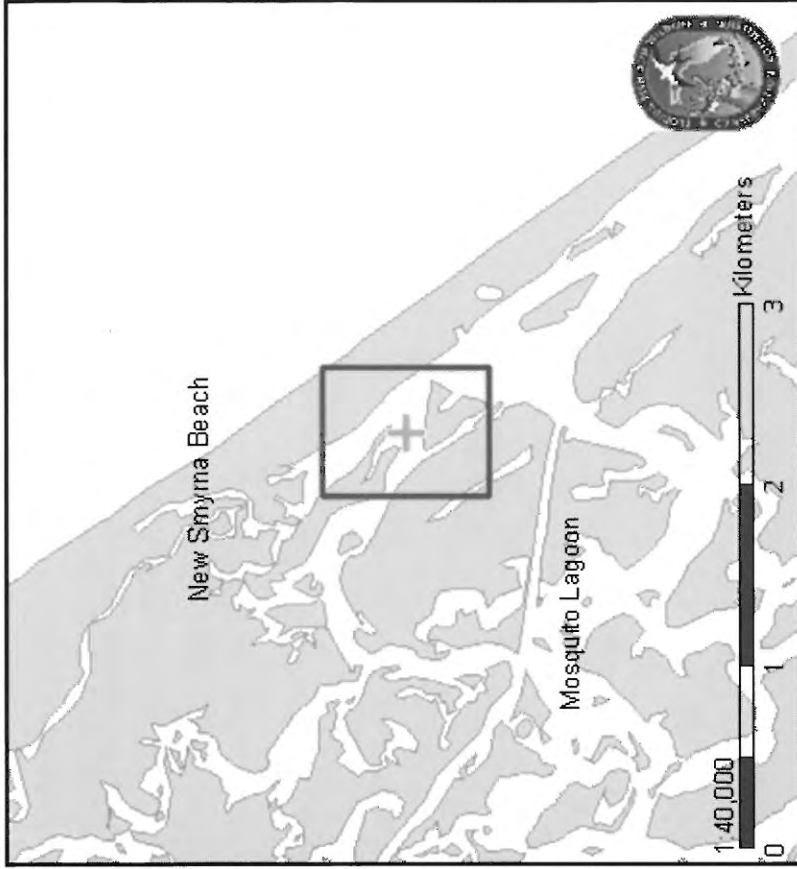




SWFTM1023B / REC 1027



# Verified Recovery Location of Manatee Rescue REC1027/SWFTm1023



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 30 June 2010

**SUBJECT:** The rescue of an adult manatee with a <sup>boating</sup> ~~watercraft impact~~ injury from Mosquito Lagoon in New Smyrna Beach, Volusia County on 23 June 2010  
(REC1027/SWFTm1023)

The attached rescue report for **REC1027** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting   ☐ Rescue Effort   ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

**Manatee Information (MLog:1199 )**Animal ID:**SWFTm1023B** Sex:**F** Name: Rearing:**Wild reared**

## -- Release Information -----

**Release Date:** 08/24/2010

## -- Release Location Information -----

**Release Site:** KARS Park**State:** FL **County:** Brevard **City:** Merritt Island**Waterway:** Banana River

## -- Measurement -----

**Weight (kg):** <sup>300</sup>286 **Estimated Weight?:** No **Date Weighed:** 08/10/2010 <sup>24</sup>**Length (cm):** 252 **Estimated Length?:** No **Date Measured:** 08/10/2010

## -- Other Release Information -----

**Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:** None,**Veterinarian:** Laura Croft**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Additional Narrative:** FWC took photos of scar patterns to send in for photo ID. No belt/tag. Animal was 300 kg at the time of release.

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 08/25/2010**Updated By:** D **Updated Date:** 08/25/2010



**WESH.com****SeaWorld Returns Rahabbed Manatee To Wild*****Rehabbed Manatee Released In Brevard County***SW FTM1023B

POSTED: 10:32 am EDT August 24, 2010

UPDATED: 6:44 pm EDT August 24, 2010



**MERRITT ISLAND, Fla.** -- SeaWorld biologists released a rehabilitated manatee into the Banana River Lagoon off Merritt Island on Tuesday morning.

SeaWorld officials said they rescued the sea cow in June because researchers feared she had been hit by a boat.

The manatee weighed 630 pounds before she was released.

Two other manatees were also returned to the wild on Tuesday.

Another manatee, "Mondo," and her calf were returned to the wild after being rescued in Volusia County. *-(were not released.)*

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orlandosentinel.com/news/os-manatee-release-kennedy-space-20100824,0,3122809.story

# OrlandoSentinel.com

SWFTM1023B

## Manatee released near Kennedy Space Center

### Seacow was rescued near New Smyrna Beach

By Ludmilla Lelis, Orlando Sentinel

3:16 PM EDT, August 24, 2010

A manatee, recovered from suspected watercraft injuries, was released back into the wild today near Kennedy Space Center.

The 8-foot-long, 630-pound female was rescued by SeaWorld Orlando on June 23 along Canaveral National Seashore near New Smyrna Beach.

The seacow was observed floating high in the water and unable to be submerge. Such behavior can be caused by internal damage to the chest or punctured lungs from a boat strike.

SeaWorld veterinarians examined the animal and found no internal injuries. The manatee stayed at the park's rehabilitation facility until it was cleared for release. It was set free today into the waters of KARS Park near the Kennedy Space Center.

A second manatee, originally rescued May 17 from a canal in Satellite Beach, will be released Thursday at the same park.

This year, SeaWorld has rescued 23 manatee and with this week's releases, 13 of the manatees will have been returned to their natural habitat.

—Ludmilla Lelis

Copyright © 2010, Orlando Sentinel

advertisement



## Szemer, Donna

---

**From:** Nicole\_Adimey@fws.gov  
**Sent:** Tuesday, August 31, 2010 1:23 AM  
**To:** Szemer, Donna  
**Subject:** Re: FW: Data change  
**Attachments:** graycol.gif; pic24488.gif; ecblank.gif

Thnx for this Donna. I would concur they should be changed. I would go with natural option..if you are ok with it pls go ahead and change.

Thnx!!!

---

Nicole Adimey  
U.S. Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
7915 Baymeadows Way, Suite 200  
Jacksonville, Florida 32256-7517  
904.731.3079 (direct)  
904.731.3336 (main)  
904.731.3045 (fax)  
nicole\_adimey@fws.gov  
<http://www.fws.gov/northflorida>  
"Szemer, Donna" <Donna.Szemer@MyFWC.com>

"Szemer, Donna"  
<Donna.Szemer@MyFWC.com>

08/30/2010 02:19 PM

To "Nicole\_Adimey@fws.gov"  
<Nicole\_Adimey@fws.gov>

cc

SubjectFW: Data change

Nicole-

When talking to Ann the other day, she mentioned that SWFTM1017B and SWFTM1023B were rescued for possible buoyancy issues related to watercraft injuries. At Sea World, they did not find any trauma or obvious signs for the buoyancy issues (see below for correspondence with Bob Wagoner).

I think we should change the COR to "Natural, excessively buoyant" for these two cases (or possibly "Undetermined; buoyancy issues"). I don't think we should leave these as Watercraft as this was not determined to be the case.

Let me know what you think. I can make the corrections to the web database and let Bob and Ann know what we decide so they can adjust any notes they may have.

Thanks,

Donna

(FYI: I already corrected the PIT tag numbers for Bob.)

**From:** Wagoner, Robert C. [<mailto:Robert.Wagoner@SeaWorld.com>]  
**Sent:** Sunday, August 29, 2010 4:30 PM  
**To:** Szemer, Donna  
**Subject:** RE: Data change

Hi Donna,

When SWFTm1017B came in she had some buoyancy issues, we even tried to tap her chest and got nothing. When she came in she was sitting somewhat high in the water but then we notice her buoyancy issues changed over time, only her back end started to sit high and over time that changed to where she was floating normal. She never really passed a lot of gas and she didn't have much defecations in the beginning, we even mineral oiled her several times and got nothing but they did get better and she did pass some monofilament. Our vets were thinking possible impaction or GI issues? But the cause was never really identified.

When SWFTm1023B came in she did have some prop scars on her but they were only superficial, she was supposedly sitting high in the water also when rescued but when we put her into the med pool she really didn't sit that high and she eventually started to float more normal.

We did radiographs and ultra sounded both SWFTm1017B and SWFTm1023B and neither one on them showed any signs of fractured bones or possible air leakage into the chest cavity. Again our vets were never able to figure out exactly what the problem was for either one, we don't believe it was watercraft though! So I don't know if you might want to change the COR in the the database

Thanks,  
Bob

---

**From:** Szemer, Donna [<mailto:Donna.Szemer@MyFWC.com>]  
**Sent:** Friday, August 27, 2010 10:06 AM  
**To:** Wagoner, Robert C.  
**Subject:** RE: Data change  
Bob,

From the original reports, these two animals were rescued with what appeared to be watercraft injuries (recent/healed wounds and buoyancy issues). Yesterday, Ann mentioned that there was no indication of internal trauma to these animals when they were examined at Sea World.

From your findings, is it assumed that they were probably floating due to GI issues or for some other reason (possible Natural) and the external watercraft injuries were only incidental?

What are your thoughts?

Thanks,  
Donna

**From:** Wagoner, Robert C. [<mailto:Robert.Wagoner@SeaWorld.com>]  
**Sent:** Thursday, August 26, 2010 5:55 PM  
**To:** Szemer, Donna  
**Subject:** Data change

Donna,

I need a big favor, I need to change some pit tag information in the manatee database. I went in today to enter the left pit tag #0006E7782C for SWFTm1017B but found that I had already entered pit tag numbers for this animal unfortunately they were entered for the wrong animal. The right pit tag #0006E757D9 and the

left pit tag #0006DF2523 should have been entered (8/10/10) for SWFTm1023B, they show up under SWFTm1017B. SWFTm1017B should only show the one pit tag for the left side #0006E7782C, I didn't actually enter it yet, didn't want to add to the confusion. There is no pit tag for the right side, we tried to pit tag her right side, the first one went dead, tried again and the second one went dead, our vet said that was it, so she only got one in the left shoulder, this was done today (8/26/10).

If you could please go into the database and make these corrections I would really appreciate it. If you have any questions please give me a call at 407-765-0464.

Thanks again,  
Bob

---

SeaWorld Parks & Entertainment Email Disclaimer [www.seaworldparksandentertainment.com](http://www.seaworldparksandentertainment.com)



# Rescue Report



## FLORIDA FISH AND WILDLIFE COMMISSION

## MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 23 July 2010

**SUBJECT:** A citizen rescue of an entangled manatee in the Titusville Marina on 10 July 2010 (REC1028).

The attached rescue report for **REC1028** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg) (Citizen)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data

# Rescue Report

## GENERAL:

Date of Rescue: 10 July 2010	Date of Initial Call: N/A	Filed by: C. Rush	
Rescue ID#: REC1028	Facility ID: N/A	FWC Case: N/A	Officer Name: N/A
Sex: Unknown	Length: 275 cm	Estimated: Yes	
PIT Tag Applied: No	PIT Tag Present: Unknown	#R	L
LOCATION:			
State: FL	City: Titusville	County: Brevard	Waterway: Indian River
Latitude (Decimal Degrees): 28.620299°N		Longitude (Decimal Degrees): -080.808099°W	
Locality Description: At the Titusville Municipal Marina (451 Marina Road) at the end of Dock E, on the north end.			
Method of Capture: N/A			

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft    ☒ Entanglement    ☐ Entrapment    ☐ Orphan    ☐ Cold Stress  
☐ Red Tide    ☐ Other: (Specify):

## Watercraft

Check one of the following:

☐ Propeller    ☐ Skeg    ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

☒ Monofilament Line    ☐ Hook  
☐ Net    ☐ Buoy  
☐ Polyprop/Nylon Line    ☐ Trap  
☒ Sinker    ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#:    Color:    Line Type:

**Damage from Gear:**

☒ No Damage    ☐ Abrasions  
☐ Breaking Skin Surface    Depth of Entanglement Penetration: \_\_\_cm  
Comments:

Gear Retained? ☒ Y    ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
20 July 2010, at 1030 hrs	FWC-biologist C. Rush (CNR) and FWC-Ofc. B. Bresie were searching for an entangled manatee that had been reported in the Titusville Marina earlier that morning. A woman approached CNR and asked if she knew of the latest disentanglement. CNR inquired about what disentanglement. The woman gave CNR's number to a citizen, Glen Millich (GM) (321-205-8566) so he could explain the disentanglement.
21 July 2010	GM contacted CNR on her Nextel to inform her of the rescue. According to GM, there was a manatee with a nest of 15-20 lb test line clear monofilament with a sinker loosely wrapped around the right flipper of a manatee around 1400 hrs on 10 July 2010. Since he knew he could get all of the line off and the manatee was at his dock, he cut off the line. According to the complainant, the disentanglement and manatee was photo documented.

### Participants

Citizen

REC1028

Attachments: map

Photographs: attached

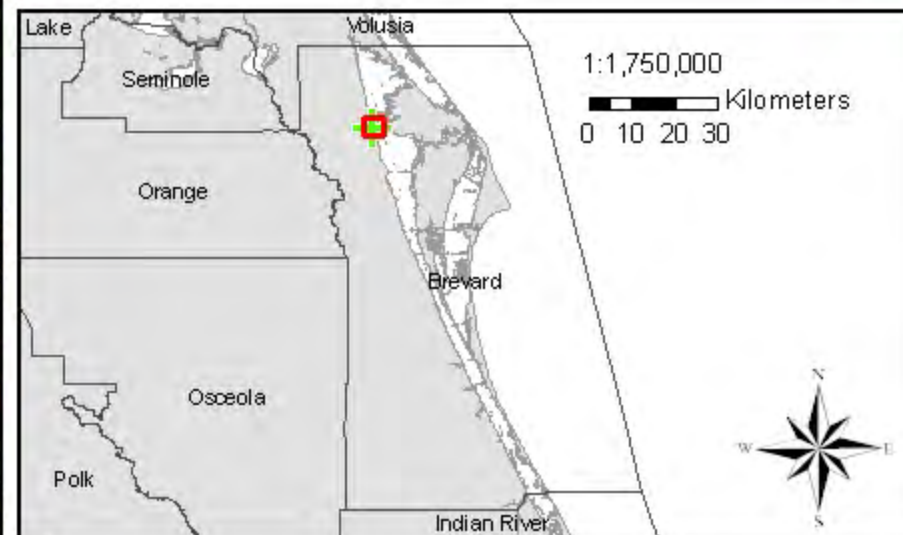
# Rescue Report

Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM





# Verified Rescue Location of Manatee REC1028



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
10	7	2010	REC1028	28.620299	-80.808099	7/10/2010	Citizen	CIIR

Resc / Rel  
Entanglement  
Monofactorial



## Rescue Report

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
05 August 2010, at 1143 hrs:	FWC-biologist C. Rush (CNR) received a call on her Nextel from Donnie (321-383-5600), an employee of the Titusville Municipal Marina. Donnie saw the entangled manatee while walking along D-dock. CNR and FWC-Ofc. B. Bresie (BAB) immediately left for the marina to locate the manatee. Upon arrival to the marina, CNR and BAB were taken to the area the manatee was last located and within 5 minutes, she showed up again. CNR had BAB photo document the manatee while she prepared to get into the water to tag it. A hose was running to keep her in the area, but she kept hiding in between pilings covered with barnacles, and it was not safe for CNR to tag in that area. BAB moved the hose around to try and get her out from the pilings, but she disappeared. CNR joined BAB and other marina residents back on land to search all the docks. CNR eventually went back to the same area and she was seen at the hose again. CNR slipped into the water, but her only chance to tag her was ruined when another manatee came up underneath CNR and took her for a ride. BAB attempted to keep an eye on the entangled manatee, but she disappeared again and efforts were called off for the day.
06 August 2010, at hrs:	CNR responded to a text from FWC-dispatch Orlando regarding the same manatee. FWC-case number 6808 was assigned. The complainant, Ron Peoples (407-509-0486), located the manatee next to his boat. CNR and BAB

## Rescue Report

went up the marina and down the E dock where she was reported. The complainant lost sight of her a few minutes before CNR and BAB arrived, so CNR and BAB searched the other docks. BAB found the manatee by herself next to a boat near the same location she was seen the day before. CNR got into the water and attempted to sneak up on her, but she felt the edge of the belt and took off. The manatee did not go far and approached CNR again. CNR gained her trust and eventually tagged her after a few attempts. Multiple other friendly manatees made it an undertaking since they wanted to constantly rub on CNR and play with the tag and her dive fins.

After the manatee was tagged, CNR contacted FWC-T. Reinert (TRR) to inform him of the situation. CNR also contacted SeaWorld's S. Lehr (SL) to see what their availability was to help with a rescue in the near future. SL informed CNR that a vet was not available on the weekends and that their rescue boat was in the shop due to an upcoming trip to Alabama. TRR and CNR agreed that a rescue date of 09 August 2010 was appropriate. CNR worked on getting a rescue crew put together and logistics with TRR. TRR got permission from FWS-N. Adimey for Lowry Park Zoo to accept the manatee should the field surgery not be possible.

- 07 August 2010 FWC-biologist M. Lizotte (MEL) attempted to track the manatee, but had numerous other live manatee calls she had to attend to, along with CNR.
- 08 August 2010 CNR received a call on her Nextel from a Titusville Marina resident regarding the entangled manatee. He informed CNR that she was still at the D dock and that she had been for the entire weekend.
- 09 August 2010 CNR and MEL searched the Titusville Marina using the tracking gear and a strong signal was received just north of the marina. CNR contacted FWC-biologist R. Berger (RWB) to inform him that they had a signal, but no eyes on the manatee yet. CNR requested that RWB get on the road as soon as possible. CNR also contacted SW-B. Wagoner (BW) to inform him that the manatee was nearby. After searching by land, CNR and MEL met up with FWC-biologist A. Spellman (ACS) and BAB at the Parish Park Boat Ramp and boarded the Key West. After tracking the signal for about 15 minutes, the signal was coming from the Westland Marina and it was heavily raining. Since the tracking gear couldn't get wet, CNR, MEL and ACS got off of the boat and started looking for the manatee between boats. Eventually, MEL located the manatee at E dock in the Titusville Marina. CNR contacted BW to inform him that the manatee was located and that the SW staff being sent should leave the park and meet at the Parish Park Boat Ramp. Since SW was running ahead of the NEFL staff, they stopped at the marina to assess the manatee's injuries. A decision could not be made regarding surgery until the manatee was actually in hand.

CNR, FWC-volunteer J. Long (JML), and SW staff met NEFL staff, along with Jacksonville Zoo staff at the Parish Park Boat Ramp and launched the rescue



## Rescue Report

boat. Meanwhile, the manatee was being watched by ACS and MEL. Once the rescue boat arrived, MEL boarded a kayak and ACS was swimming next to the entangled manatee in an attempt to coax her into an open area where a net set could be done. First, it appeared that ACS could swim the manatee to the open area, but the manatee changed her mind and went back towards the docked boats in their slips. For the next effort, some net was deployed behind the boat as RWB motored between two docks and the boat was held steady until the manatee swam towards the net. Then, the rest of the net was quickly circled around the manatee. There was a spot in the net where the floats were under, and the manatee was able to escape.

The entangled manatee swam over to the Westland Marina, which is in the same basin as the Titusville Marina, but with a lot more manatees. Since there were too many manatees in the area to safely deploy the net, and the manatee of interest was always going to a hose, more hoses were started. SW-JP wanted to attempt to stretch the manatee to guide her into shallow water, where she could then be loaded onto the boat. CNR sent BAB back to the boat ramp for the stretcher. Once he returned, CNR, JP, JML, and B. Price entered the water with the stretcher. The idea was to have ACS and MEL distract the manatee while the stretcher was slipped under and guided into shallow water. The entangled manatee did not like to even be near the stretcher, so the capture plan was changed again. ACS stood in southern portion of the Westland Marina, the shallowest area with a hose. The other hose the manatees were at was shut off so that the entangled manatee would have to swim to the only active water source. JP and CNR were on the dock with a line to pull the net across while the rescue boat was docked in the corner shutting off the other side. Eventually, only the manatee of interest was by ACS so JP and CNR quickly worked the line over and around pilings and secured the corner. The net was slowly walked to the boat with the manatee loosely in the net. Once the manatee was in the bag, she started to gator roll. JP, MEL, ACS, and CNR held the leads and floats together until she calmed down. CNR then handed the tail up RWB, who was on the boat. CNR jumped back onto the boat with the rest of the rescue crew to help pull while JP, MEL and ACS pushed the manatee on board. The manatee was taken back to the Parish Park Boat Ramp and assessed by SW-Vet K. Heym. Since she was unable to get to the origin of the entanglement, she decided that the manatee should be transported to the Lowry Park Zoo for surgery. CNR contacted TRR to inform him of the decision and to contact LPZ to inform them of the situation. CNR and ACS transported the manatee to the LPZ and UF-Veterinarian M. Walsh performed surgery on the flipper the following day.

# Rescue Report

**Participants:**

FWC: C. Rush, A. Spellman, R. Berger, R. Cimino, J. Long (volunteer), Ofc. M. Slotin,  
Ofc. B. Bresie

SWF: J. Peterson, K. Heym, Vet-intern Shannon

Jacksonville Zoo: B. Price, Allison

**Total time:** 24 hrs

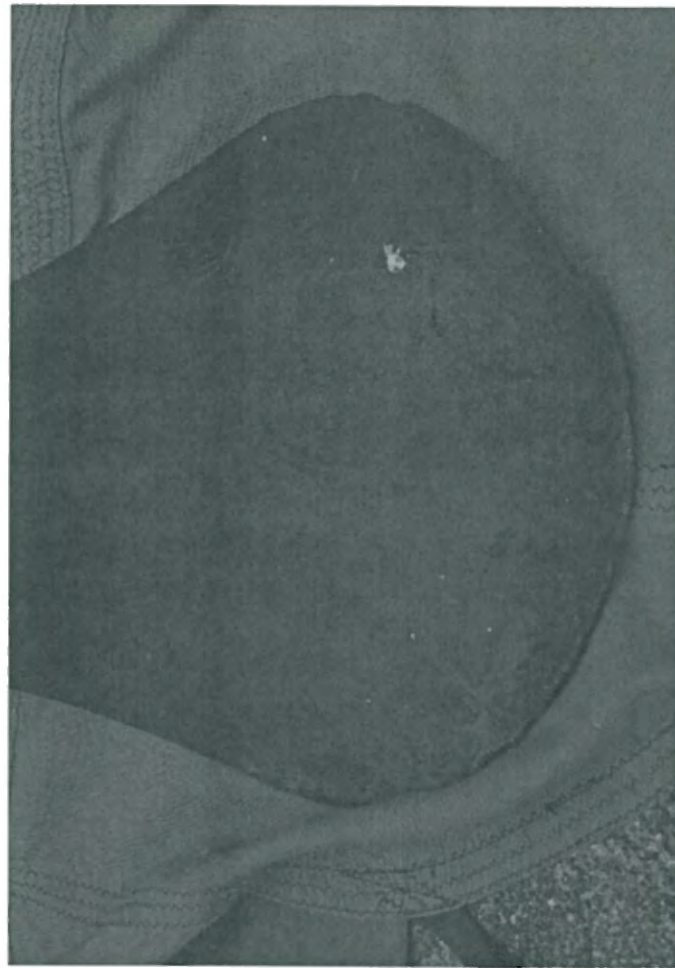
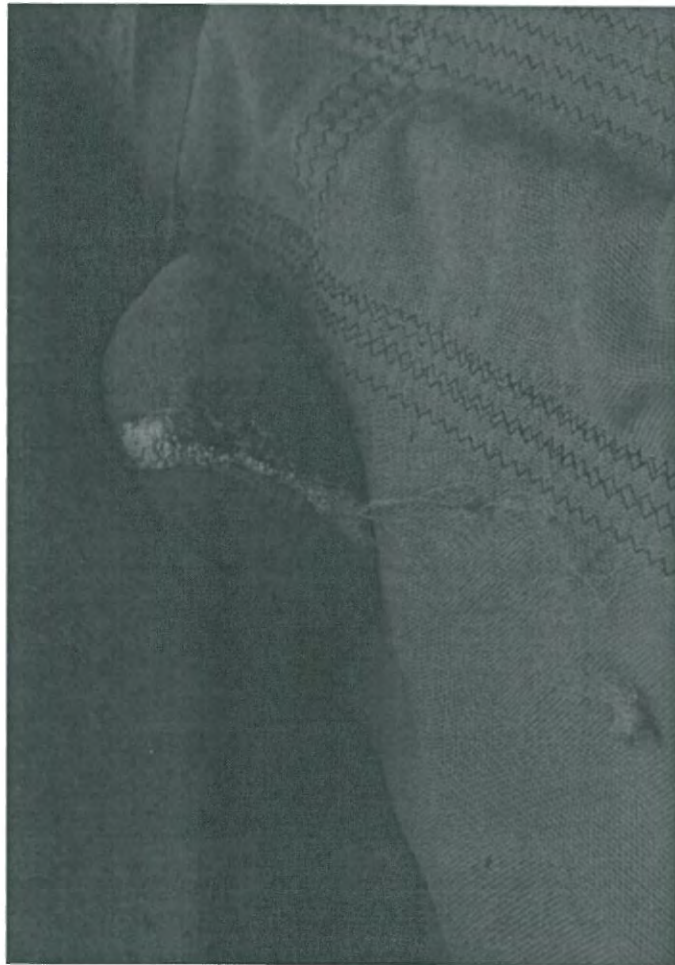
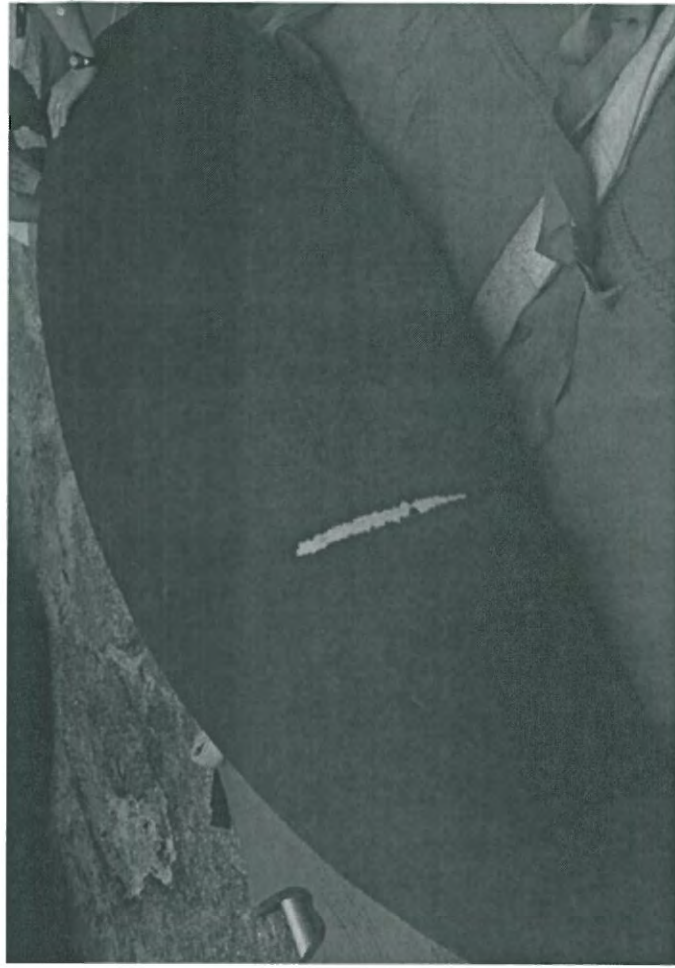
**REC1029**

*Also Reference REC1022, a citizen rescue, performed on the same manatee on 30 May 2010*

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS

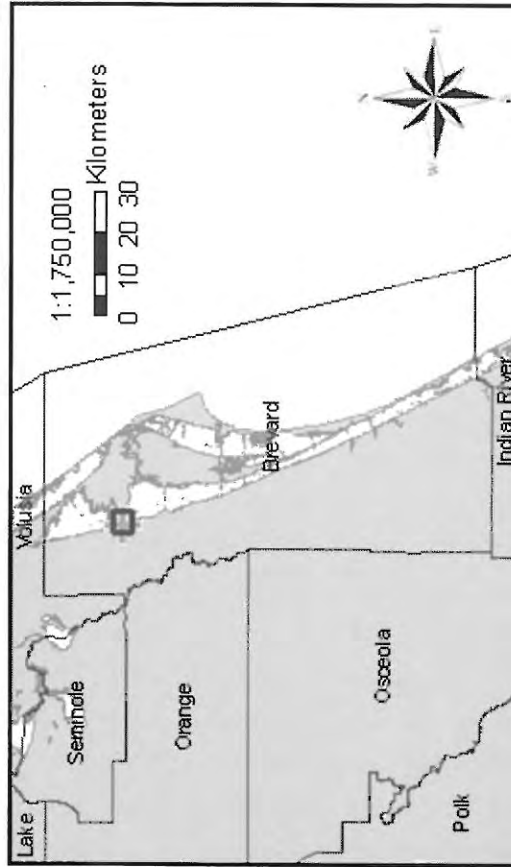
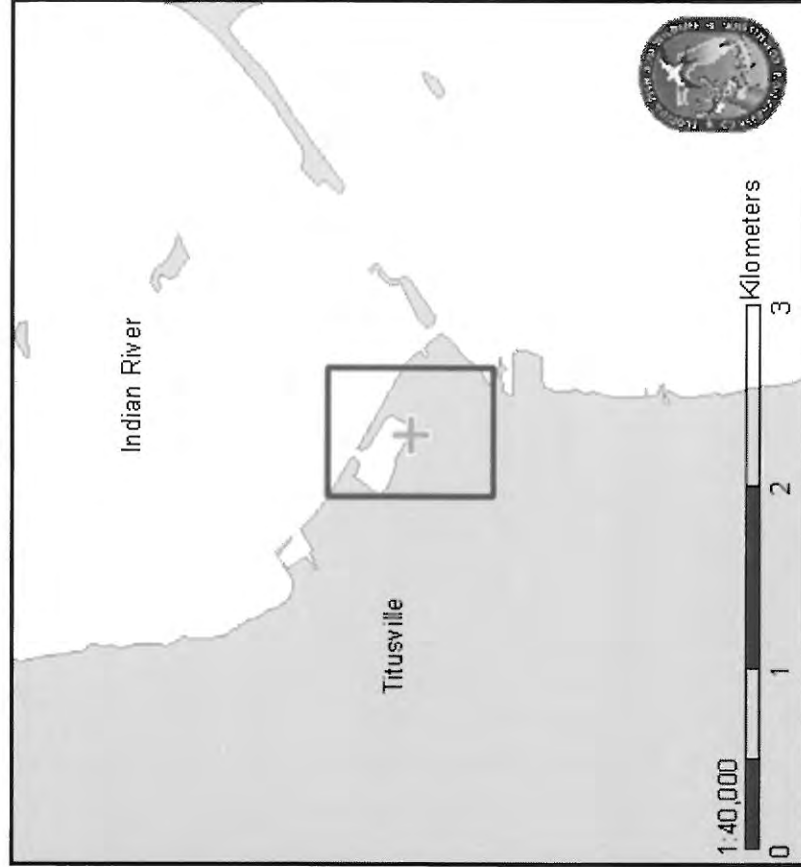




SWFM1025B  
REC1029 (LP2102844) (REC1022)



# Verified Rescue Location of Manatee REC1029



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
4	8	2010	REC1029	28.619029	-80.307607	3/9/2010	FWC, SWF	ACS



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 11 August 2010

**SUBJECT:** The rescue of an entangled manatee from the Westland Marina on 09 August 2010 (REC1029/SWFTm1025b/LPZ102844)

The attached rescue report for **REC1029** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data

orlandosentinel.com/news/local/breakingnews/os-manatee-entangled-fishing-line-20100809,0,1910713.story

**OrlandoSentinel.com**

LP 2102844  
REC 1029  
SWFTM 10256

## Entangled manatee rescued from fishing line in Brevard

By Gary Taylor, Orlando Sentinel

6:38 PM EDT, August 9, 2010

A manatee with fishing line wrapped around one of its flippers was captured at the Titusville Marina Monday afternoon and was being taken to the Lowry Park Zoo near Tampa for treatment.

It is one of at least seven manatees in Brevard County that is entangled with the line. A NASA worker sighted one swimming with a purple Hula Hoop around it, said Ann Spellman, a marine biologist with the Florida Fish and Wildlife Conservation Commission.

In fact, the manatee saved this morning was found by accident Friday by a marine biologist who was swimming in the marina trying to find another animal that is badly entangled, Spellman said.

Biologist Christie Rush was able to slip a radio transmitter onto the manatee's tail so she could be located Monday morning, Spellman said. "The animal was approachable. Most are not."

Biologists entered the water about 7 a.m. and were finally able to catch up with the manatee about 90 minutes later, Spellman said.

Then they had to separate the manatee from 19 others in the marina, Spellman said.

"We were in the water for a good four hours with her," she said. "It's a big undertaking."

The biologists had hoped to be able to remove the fishing line, but it was badly embedded into the left flipper near the animal's body. It was evident that the fishing line had been wrapped around the flipper for months and had caused swelling.

The adult female manatee is about nine feet long and Spellman estimated she weighs 1,300 to 1,400 pounds.

A veterinarian from the University of Florida will treat her and the plan is to release the animal once she recovers.

advertisement



Many times injured manatees are taken to Sea World in Orlando, but because this animal's injuries are not considered life-threatening, she is being taken to Lowry Park to keep space at Sea World open for more seriously injured mammals, Spellman said.

*Gary Taylor can be reached at [gtaylor@orlandosentinel.com](mailto:gtaylor@orlandosentinel.com) or 407-391-9681.*

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August 10, 2010

## Rescuers catch manatee tangled in fishing line at Titusville

BY JIM WAYMER  
FLORIDA TODAY

Biologists netted a nine-foot female manatee Monday at Titusville Municipal Marina, then took it to Tampa's Lowry Park Zoo to remove fishing line tightly wrapped around its flipper.

The wound was "a little deeper than what we feel comfortable with dealing with in the field," said Ann Spellman, a biologist with Florida Fish and Wildlife Conservation Commission.

About 20 other manatees, including a large, pregnant one, frolicked in the marina, adding to the challenge of catching the injured manatee.

"It was actually a pretty tense situation," Spellman said.

Rescuers said they took the manatee to Tampa because rehabilitation facilities for manatees at SeaWorld Orlando are currently full.

After receiving word of the injured manatee, Christie Rush, a biologist with FWC, fitted the manatee Friday with a transmitter.

Biologists tracked it back to the marina on Monday, luring it closer to the marina's docks with fresh water from a hose.

The rescue took about two hours and several biologist to subdue the thrashing animal.

The manatee was expected to undergo X-rays and surgery at the zoo.

"The animal put up quite a fight when we found her," Rush said. "It's very painful for her."

**Contact Waymer at 242-3663 or [jwaymer@floridatoday.com](mailto:jwaymer@floridatoday.com).**

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Aug 11 10:16:38 AM Temp: 80°



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## FWC, SeaWorld vets rescue injured manatee



SeaWorld veterinarians rush to rescue an injured manatee after it got entangled in a fishing line near the Titusville Marina. (Photo: Greg Pallone)



By Greg Pallone, Reporter

Last Updated: Monday, August 09, 2010 8:19 PM

**TITUSVILLE** -- An injured manatee spotted in Titusville's marina is now in the hands of SeaWorld veterinarians after being pulled from the water.

The estimated 1,400 pound sea cow was first spotted in June. It had fishing line wrapped around its flipper.

Florida Fish and Wildlife Conservation Commission biologists were able to find it Aug. 6 and fit it with a radio transmitter.

Teams then located it in the boat slips of the marina Monday morning.

After the manatee was able to dodge them for several hours, it was finally corralled and brought in for help.

"With any kind of wild animal you just have to be patient," said Anne Spellman, a FWC biologist. "It's never a quick and easy thing. The first set would have been perfect, but some of these animals are really good. We got to be better."

The manatee was taken to Lowry Park Zoo in Tampa for surgery.

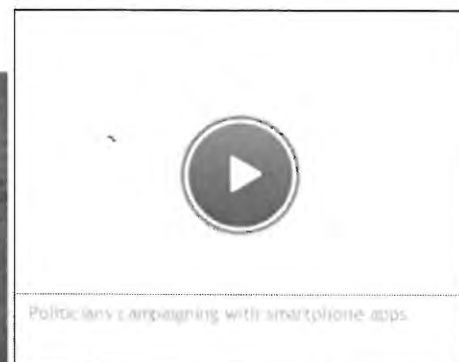
### VIDEO STORIES

Manatee Rescued

### MORE INFO

Map: Titusville Municipal Marina

Florida Fish and Wildlife  
Conservation Commission



Politicians campaigning with smartphone apps



### DIGITAL DOPPLER X3



BREAKING NEWS ALERTS

They had thought taking care of it onsite might be a possibility, but the cut was too deep.

## Comments

P.E.T.A.

Post a comment

2010-08-10 08:25:00

G.G. wrote:

Report this post

Where is P.E.T.A.'s outrage and lawsuit against Sea World? And where were they yesterday when they were trying to capture the manatee? I certainly did not see any struggling to help.

Name:  Email:

Subject:

Comment:

Post

**POSTING PROCESS:** Comments will appear on the page within 10 minutes of a submission. There is a 400 character limitation to each post and comments will be held to this restriction. If you see a post you feel violates the posting policy please click on Report this post for a staff member to review.

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**WESH.com****Tangled Manatee Rescued In Brevard County*****Animal Was Tangled In Fishing Line***

POSTED: 2:50 pm EDT August 9, 2010

UPDATED: 4:34 pm EDT August 9, 2010



Share

**TITUSVILLE, Fla.** -- Animal experts from SeaWorld Orlando and the Florida Fish and Wildlife Conservation Commission worked to rescue a manatee in Brevard County after the animal got tangled in fishing line.

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**IMAGES: Manatee Rescued**

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Rescuers said the animal had been tangled in the line for up to two months, and the animal was finally cornered on Monday so it could have surgery.

Biologists said the manatee's injuries were severe. One of the animal's front flippers was wrapped in fishing line, which was cutting deep into the animal's flesh.

Animal experts said if the line isn't removed, the injury could get infected.

"It's the number one reason we rescue manatees, entanglements in crab traps and fishing line," said biologist Ann Spellman with the Florida Fish and Wildlife Conservation Commission.

The manatee managed to avoid capture for almost two hours



on Monday.

"The line is very deep, so I don't want to mess with it out here until I can get a good look at it," said veterinarian Kathy Heym.



The manatee will be transported to Tampa for surgery.

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**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-8626**

Manatee ID: <u>LP2102844</u>	Temporary ID: _____	Time Net Set: _____
Name: <u>Madison</u>	Date: <u>5 Nov 2010</u>	Time Captured(Onboard): _____
ID of its Calf / Mom: <u>—</u>	Sex: <u>M / (F)</u>	Time On Beach: <u>10:30</u>
Location: <u>LP2</u>	Latitude: _____ N	Time Released: <u>11:07</u>
Event: <u>Capture</u> <u>Rescue</u> <input checked="" type="checkbox"/> <u>Pre-release Assess.</u>	Longitude: _____ W	Data Recorder: <u>de Wit</u>
Air Temp = _____ C F	Water Temp = _____ C F	Wind: _____ mph
Cloud Cover: <u>S</u> <u>PC</u> <u>MC</u> <u>O</u> <u>R</u>		

<b>MORPHOMETRICS</b>	Weight: (lb or kg) <u>1190 (8/9/10)</u>	Manatee + stretcher	Stretcher weight
<b>Lengths</b>	Total Length (curvilinear) (cm)	<u>307</u>	
	Total Length (straight)	<u>289</u>	
	Snout to Peduncle	<u>209</u>	
	Snout to Anus	<u>180</u>	
	Snout to Umbilicus	<u>101</u>	
<b>Girths</b>	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>110</u> cm	Belt Loc: _____ in
	Girth at Anus: actual or 1/2	<u>169</u>	
	Girth at Umbilicus: actual or 1/2	<u>220</u>	
	Girth at Axilla: actual or 1/2	<u>169</u>	

<b>ULTRASOUND</b>	Reader Name: _____			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>20 / 33</u>	<u>15 / 38</u>	<u>32 / 12</u>
Other:	<u>2</u>	<u>20 / 33</u>	<u>15 / 36</u>	<u>31 / 12</u>
	<u>3</u>	<u>20 / 33</u>	<u>15 / 35</u>	<u>31 / 12</u>

<b>CONDITION</b>	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>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> (describe in comments)
Person(s) assessing condition:		<u>de Wit</u>

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

<b>SAMPLES</b>	Milk sample collected? stored?	<u>Y / (N)</u> Refrig / Freeze
	Volume of milk collected? / Teat?	ml / right left both
	Person collecting milk?	
	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:

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

Manatee ID LP2102844 Manatee Name:Date: 5 Nov 2010

<b>FREEZE BRAND</b>	Letters/Numbers applied:	<u>N/A</u>			Applied by:
	Location:				
<b>BLOOD</b>	Stick #	Start Time	End Time	Flipper	
	1			L / <u>(R)</u>	
	2			L / R	
	3			L / R	
	Drawn by: <u>vet staff</u>				
	# Tubes of Blood Collected	Blue:	Red:	Purple:	
		Green:	Yellow:	Other:	
<b>PIT TAG</b>	Scanned for previous PIT tag?	<u>(Y)</u> / N none PIT tagged at this capture? <u>(Y)</u> / N			
	PIT tagged by:				
	Right # <u>M. Flint</u>	<u>0 0 - 0 6 7 1 - D F 2 D</u>			
	Left # <u>B. Bassett</u>	<u>0 0 - 0 6 7 1 - C E E C</u>			
<b>FLAG</b>	Color and Symbol				
<b>TELEMETRY</b>	<b>TAG Type</b>	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
	<b>BELT Number / Belt Color</b>	FWC _____ Color: _____			
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____	msec
	Belt Knot / Webbing Exposed	Left / Right _____ inches			
	CR2a Programmed Release	Y / N Date/Time: _____			
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity	
	Manufacturer	Onset		Star-Oddi	
	Logger ID Number				
	Logger Location				
	<b>dTag ID &amp; VHF Frequency</b>	ID #:	148. _____ MHz		
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °		
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °		
	<b>TETHER Strength / Length</b>	Strength:	Length: ft.		
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____	msec
	Tagged by:				
<b>PHOTOGRAPHS</b>	Taken by:	<u>de Wit</u>			
	Exposures:				
<b>SKETCHES</b>	Sketched by:	<u>de Wit</u>			

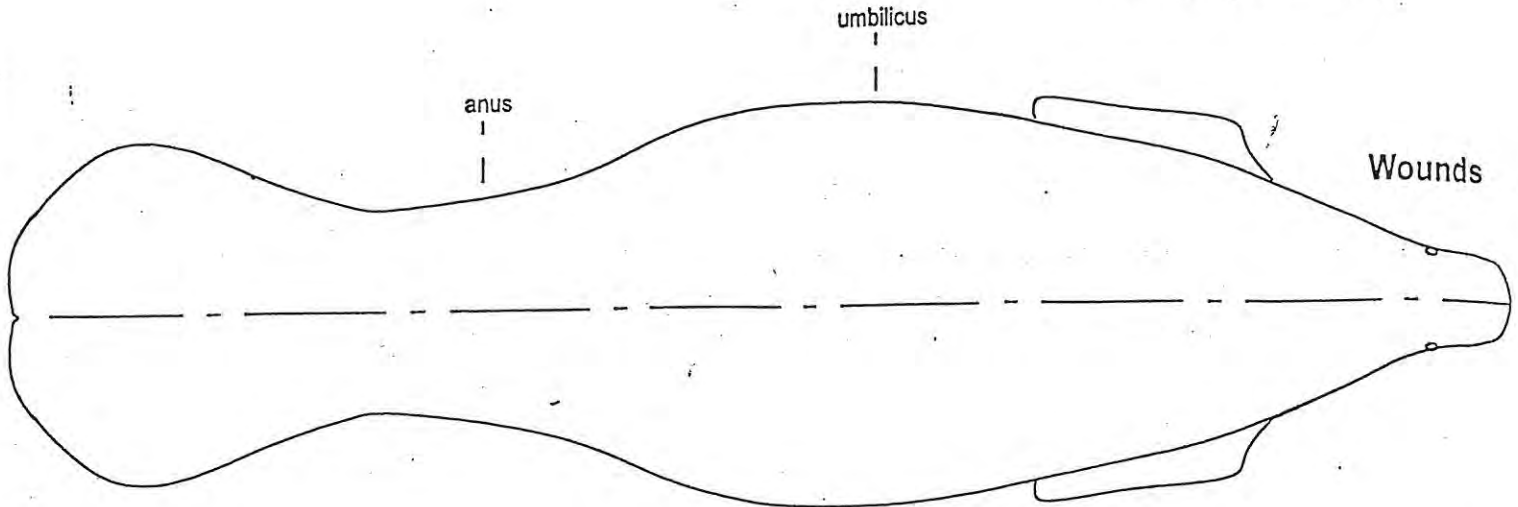
**Comments**

entanglement scar @ (L) elbow. Left flipper bigger (swollen) than (R). Nailbed has some chronic irritation, open w/dermis exposed, surrounded by thickened epidermis.

Date 5 Nov 2010

Field I.D. LP2102844  
Madison

c:\D-Old\Necropsy\scar2del\ 30May01



Number

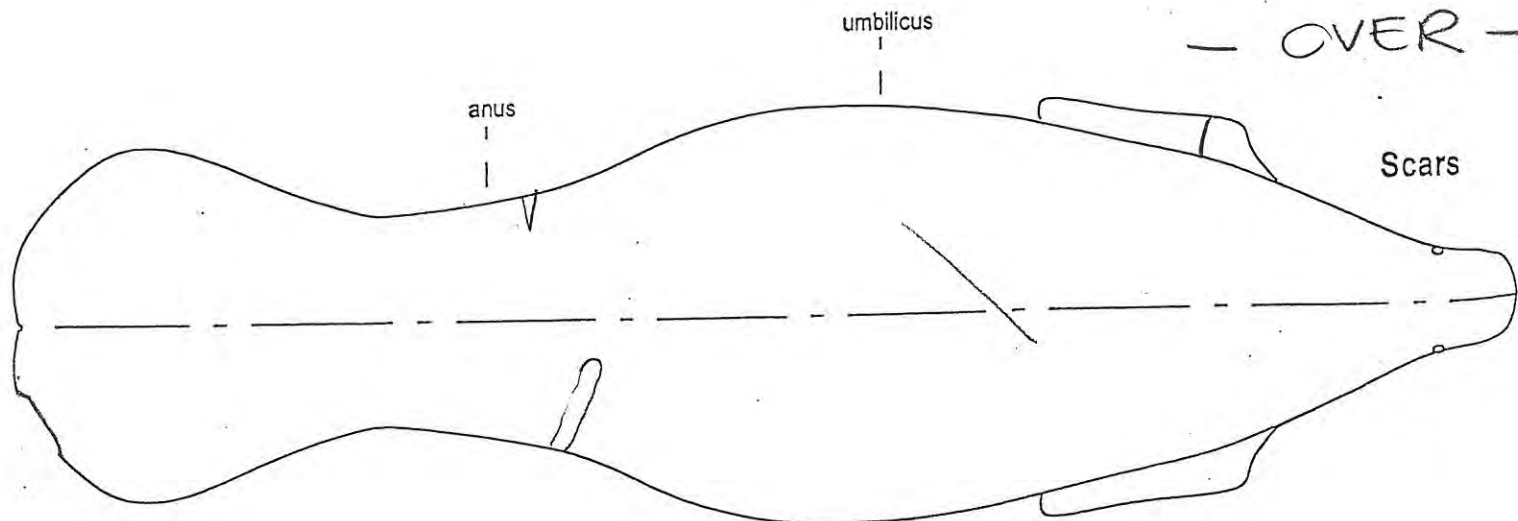
Length

Width

Depth

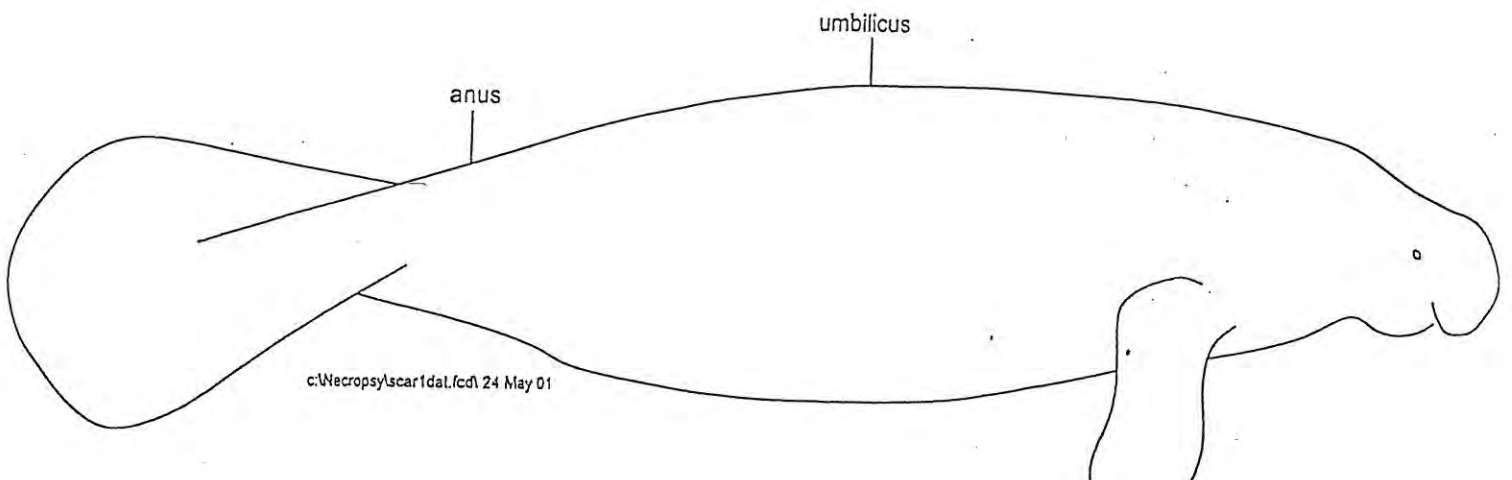
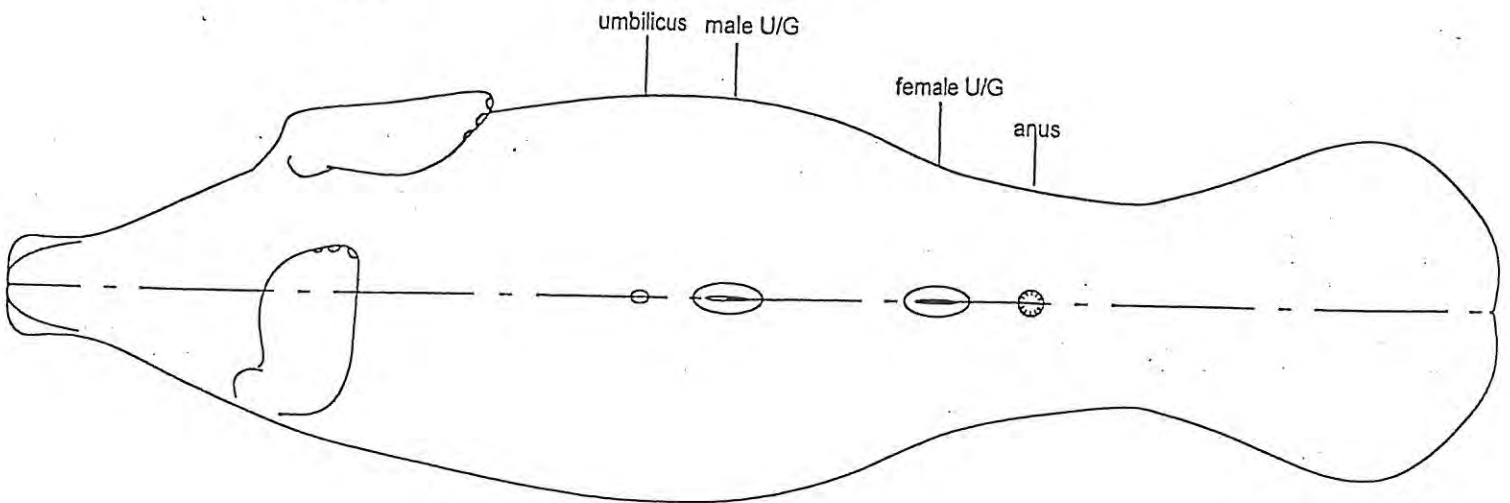
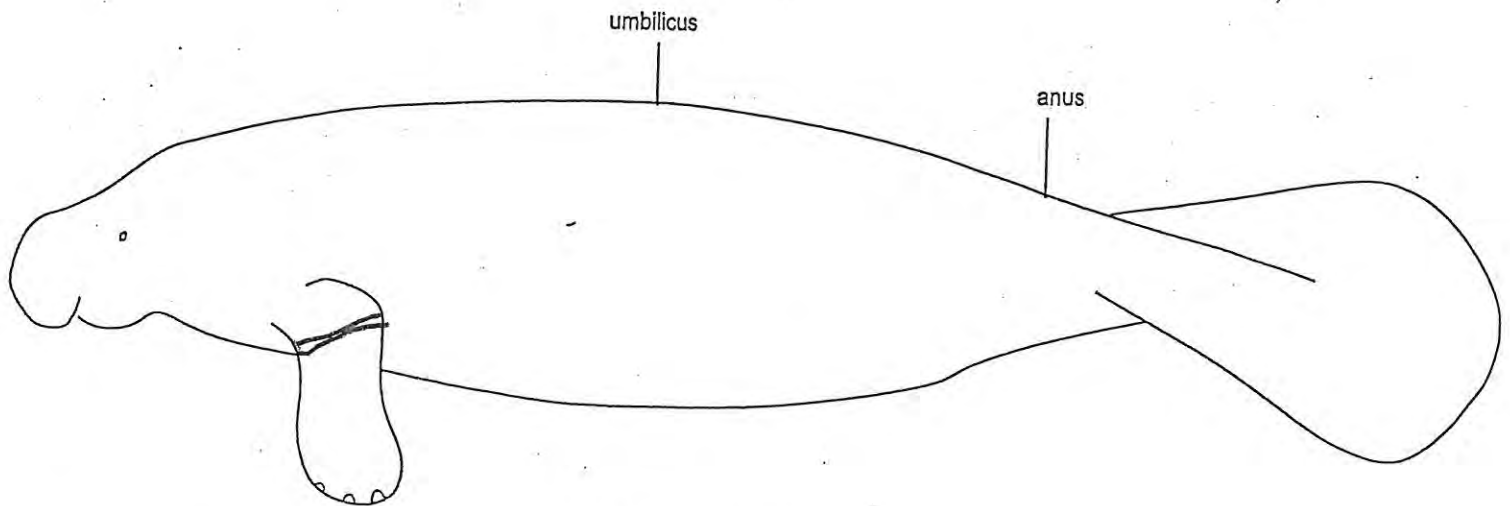
Distance

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19*	20





FIELD I.D. LP7102844





Resc / Rel  
11/29/10  
Watercraft

"Eldora"

374 kg

Check one of the following:

Check one of the following:

**Gear Type:** (Check all that apply)

### Location of Entanglement:

Float#:                      Color:                      Line Type:.

☐ No Damage                      ☐ Abrasions  
☐ Breaking Skin Surface      Depth of Entanglement Penetration: \_\_\_\_ cm  
 Comments:

Page 2

# Rescue Report

## Entrapment-Human Related

Describe:

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
26 October 2010, at 1512 hrs.	FWC-biologist C. Rush (CNR) responded to a text from FWC-dispatch Orlando regarding an injured manatee in New Smyrna Beach at the Canaveral National Sea Shore (CNSS). FWC case number 9312 was assigned. The complainant was seasonal Park Ranger Liz Bartel (LB)(321-403-5645). LB described a manatee with a white wound that had been in the same area all day long with its back out of the water. LB also informed CNR that she had a nursing calf with her. While CNR was on the phone with LB, the manatee went under water and was slowly swimming away. CNR inquired if the manatee was symmetrical in the water, had struggling to get to the surface, or bounced like a cork. LB thought the manatee was symmetrical in the water, but the other rangers around her disagreed. LB also did not note any odd behavior. Since CNR and FWC-biologist A. Spellman (ACS) were en route to Cape Canaveral to check on an entangled manatee, LB agreed to take photos with her phone and send them to CNR. Although the picture was small, CNR thought there could be a reason for concern and requested the LB send her some photos via email to better assess the manatee. CNR also asked that she be contacted immediately if the manatee was still there in the morning.
27 October 2010, at 0815 hrs.	CNR did not receive any photos via email, so she contacted LB. LB informed CNR an error message was received and she would try again. LB also informed CNR that she had not seen the manatee yet. CNR left the field lab to pick up and field necropsy MEC10212. At 1200 hrs, while en route to check on another possible manatee in distress or S7, LB contacted CNR to let her know

## Rescue Report

that the manatee was back. CNR informed LB that after checking on the possible injured manatee in Cocoa Beach, she would head up to the CNSS to check on the returning manatee. At 1330 hrs, CNR met with LB and was taken to the manatee. The manatee was clearly in distress. She had to bend herself into a backwards comma shape to stay asymmetrical in the water, and if she relaxed her body, she went completely perpendicular in the water column, with her right side at the surface and her left side on the bottom. CNR kayaked over to the manatee to get a better look and to see how responsive she was. CNR determined she was responsive and had yet to see the calf that had been reported with her. CNR requested a boat from the park so she could take photographs. CNR met with Ranger Dave and took photos of the mom and also now saw the calf as well. CNR also tried to get an in-water assessment to make sure she wasn't distended underneath, but the manatee wouldn't let her. CNR contacted ACS to inform that mom and calf were in need of a rescue as soon as possible. CNR contacted SeaWorld (SW) Randy to see if there was a rescue crew that could help either that day or the following day. Randy informed CNR that he would pass the information to Bob Wagoner. Bob Wagoner contacted CNR to inform her that SW was unable to assist at all. ACS had already been in contact with NEFL-R. Cimino (RLC) to see if she could come down with the transport vehicle, under the assumption that SW could assist with the rescue. CNR contacted ACS to inform her that SW was unable to assist. ACS and RLC worked to put together a rescue team for the following day.

28 October 2010, at  
0700 hrs

CNR and ACS left for the CNSS. LB offered to volunteer her time to help search for the manatee as well. As of 0845 hrs, fog was still heavy on the lagoon and the manatee had not been found yet. A boat would be available around 0930 hrs, so while waiting for the boat, CNR kayaked the area. While CNR was kayaking, ACS informed CNR they found the manatee. ACS saw the manatee only for a moment, and then she disappeared. The arrival of the boat was delayed due to battery issues, so CNR kept kayaking the area. CNR joined back up with ACS and other park staff once the boat arrived. CNR suggested a helicopter since the manatee was very distinct. ACS secured a helicopter to come over from Tampa, so in the meantime, CNR searched on the boat with park staff. While searching on the boat, CNR stopped to greet the rest of the rescue crew at the boat ramp and informed them that they were still searching for the mom and calf. FWC-T. Reinert (TRR) informed CNR that the crew would just stay at the ramp until they were found. At 1230 hrs. ACS was in the helicopter and located the manatee. CNR informed TRR that the manatee was found and got them underway. The ranger's boat met up with the rescue boat and everyone was taken to the manatees.

At first, CNR, TRR, and RLC attempted to hoop net the calf off of the ranger boat, but those attempts were futile since they could not get close enough and the mom was leading them in circles. TRR and CNR joined back up on the rescue boat and attempted to deploy the net around them, but they both got out before the set was complete. The second attempt, the mom and calf were

## Rescue Report

caught, but so was another manatee. Somehow, the calf got out of the net first, but the mom entangled herself in the net. The other manatee was on the opposite side of the net, so CNR and TRR got into the water in an attempt to free the manatee, but the mom was able to disentangle herself and she got out. The third manatee was released with no harm. Now that mom and calf had joined up again, the rescue crew was working on getting a bad knot out of the net. FWC-J. Hill was on the ranger's boat and pointed out that mom and calf were relaxing near shore, so CNR and TRR tried to sneak up on the mom and calf with the hoop net. Unfortunately, the manatees maintained their distance. Finally, after the knot was worked out, TRR and CNR joined back onto the rescue boat. The mom and calf were tightly hugging the shore, so while they were kept between the boat and shore, TRR and a few other crew members got off the boat with some net, and FWC-J. Cassady (JDC) was able to get the boat ahead of them, and then the rest of the crew jumped off the boat with net to close the shore set. At 1530 hrs, mom and calf were in the net. The calf was brought on board first, and taken out of the net and placed into a stretcher out of the way. Next, mom was brought on board. The calf was placed nose to nose with its mother on the way back to the boat ramp. Once at the boat ramp, the manatees were loaded into the transport vehicle and taken to the Lowry Park Zoo.

### Participants:

FWC: CNR, ACS, TRR, JDC, RLC

Jacksonville Zoo: Jen Harberer, Gen Darnell, Nadia Gordon, Tiffany Smith

Dolphin Conservancy: Matt Denny

**Total time: 26 hrs**

**REC1030**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, LPZ, FWS



## Rescue Report





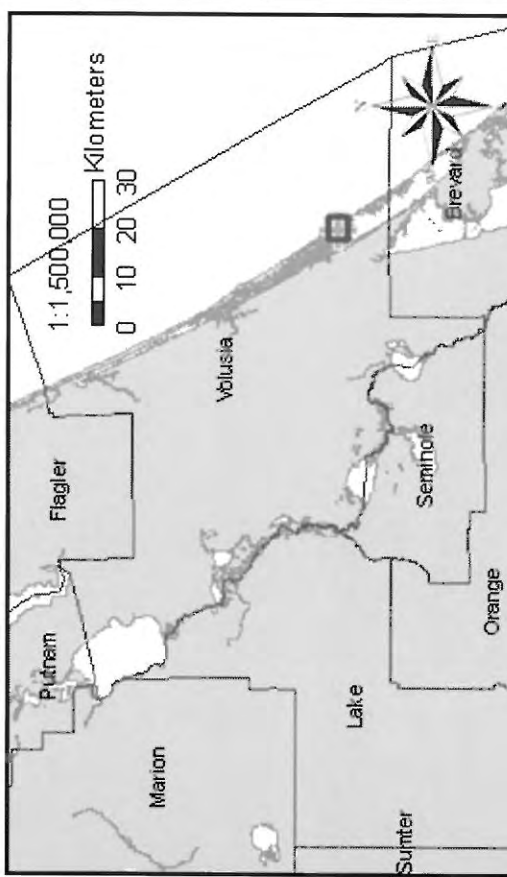
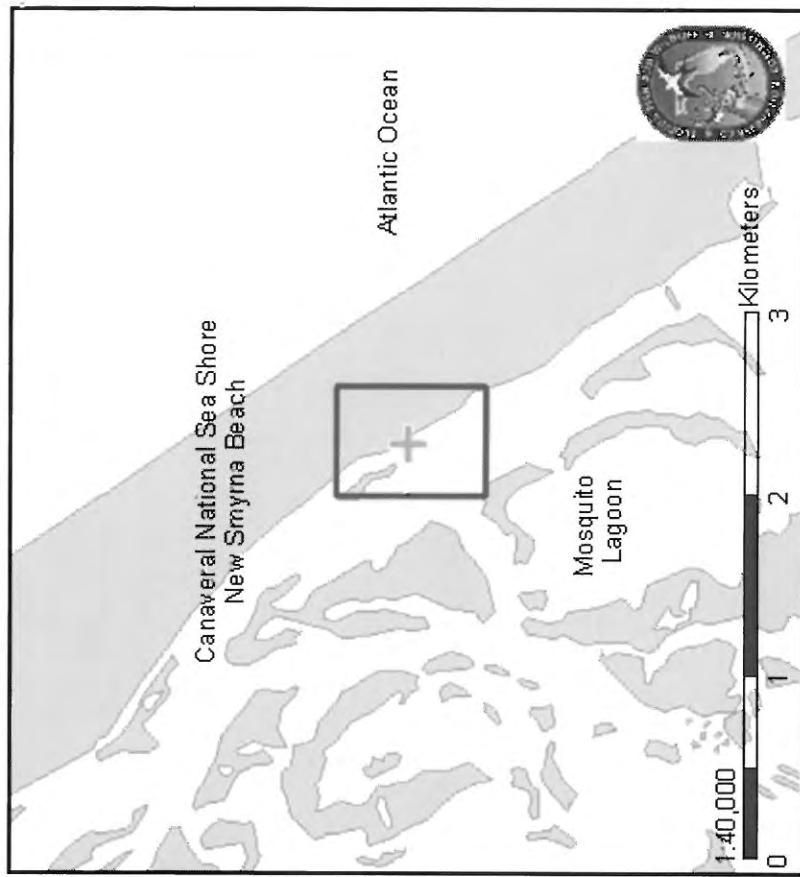
REC1030

LPZ102859

Wash and Clean / No HF Air



# Verified Rescue Location of Manatee REC1030



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
26	10	2010	REC1030	28.885388	-80.801297	10/28/2010	FWC,DC,JZ	CHIR



**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-8626**

Manatee ID: LP2102859 Temporary ID: \_\_\_\_\_ Time Net Set: \_\_\_\_\_  
 Name: \_\_\_\_\_ Date: 05 Nov 2010 Time Captured(Onboard): \_\_\_\_\_  
 ID of its Calf / Mom: LP2102860 Sex: M / (F) Time On Beach: 11:10  
 Location: LP2 Latitude: \_\_\_\_\_ N Time Released: 12:08  
 Longitude: \_\_\_\_\_ W Data Recorder: de Wit  
 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:	Manatee + stretcher	Stretcher weight
	(lb or kg) <u>825 (10/28/10)</u>		
<b>Lengths</b>	Total Length (curvilinear) (cm)	<u>289</u>	
	Total Length (straight)	<u>276</u>	
	Snout to Peduncle	<u>195</u>	
	Snout to Anus	<u>178</u>	
	Snout to Umbilicus	<u>96</u>	
<b>Girths</b>	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>105</u> cm	Belt Loc: _____ in
	Girth at Anus: actual or 1/2	<u>142</u>	
	Girth at Umbilicus: actual or 1/2	<u>195</u>	
	Girth at Axilla: actual or 1/2	<u>172</u>	

ULTRASOUND		Reader Name:		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>17 / 22</u>	<u>13 / 24</u>	<u>12 / 19</u>
Other:	<u>2</u>	<u>18 / 23</u>	<u>14 / 24</u>	<u>12 / 20</u>
	<u>3</u>	<u>17 / 23</u>	<u>14 / 24</u>	<u>12 / 20</u>

CONDITION	Body Score: 1 2 3 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		<u>has some folds on ventrum</u>
Ventrum:			Rounded / <u>(Flat)</u> / Concave		<u>Ventral Folds</u>
Fresh Wounds or Lesions:			<u>(Y)</u> / N (describe in comments) <u>healing</u>		
Person(s) assessing condition:			<u>superficial watercraft wound</u>		

REPROD. STATUS	Pregnant? Y <u>(N)</u> If so, describe:	
	<u>on (R) dorsum</u>	
Lactating?	<u>(Y)</u> / N	

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 None				Data Sheets? Y <u>(N)</u>
	Temperature: Oral Naso-pharyngeal Rectal None				Y <u>(N)</u>



Manatee ID LP2102859 Manatee Name:Date: 5 Nov 2010

<b>FREEZE BRAND</b>	Letters/Numbers applied:	<u>N/A</u>			Applied by:
	Location:				
<b>BLOOD</b>	Stick #	Start Time	End Time	Flipper	
	1			L / <u>R</u>	
	2			L / R	
	3			L / R	
	Drawn by: <u>vet staff</u>				
	# Tubes of Blood Collected	Blue:	Red:	Purple:	
		Green:	Yellow:	Other:	
<b>PIT TAG</b>	Scanned for previous PIT tag?	<u>Y</u> / N none PIT tagged at this capture? <u>Y</u> / N			
	PIT tagged by:	<u>Mark Flint</u>			
	Right #	<u>00 - 06 71 - 90 20</u>			
	Left #	<u>00 - 06 71 - 44 6A</u>			
<b>FLAG</b>	Color and Symbol				
<b>TELEMETRY</b>	<b>TAG</b> 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
	<b>BELT</b> Number / Belt Color	FWC _____ Color: _____			
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____	msec
	Belt Knot / Webbing Exposed	Left / Right	_____ inches		
	CR2a Programmed Release	Y / N Date/Time: _____			
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity	
	Manufacturer	Onset		Star-Oddi	
	Logger ID Number				
	Logger Location				
	<b>dTag</b> ID & VHF Frequency	ID #:	148. _____ MHz		
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °		
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °		
	<b>TETHER</b> Strength / Length	Strength:	Length: ft.		
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____	msec
	Tagged by:				
<b>PHOTOGRAPHS</b>	Taken by:	<u>de Wit</u>			
	Exposures:				
<b>SKETCHES</b>	Sketched by:	<u>de Wit</u>			

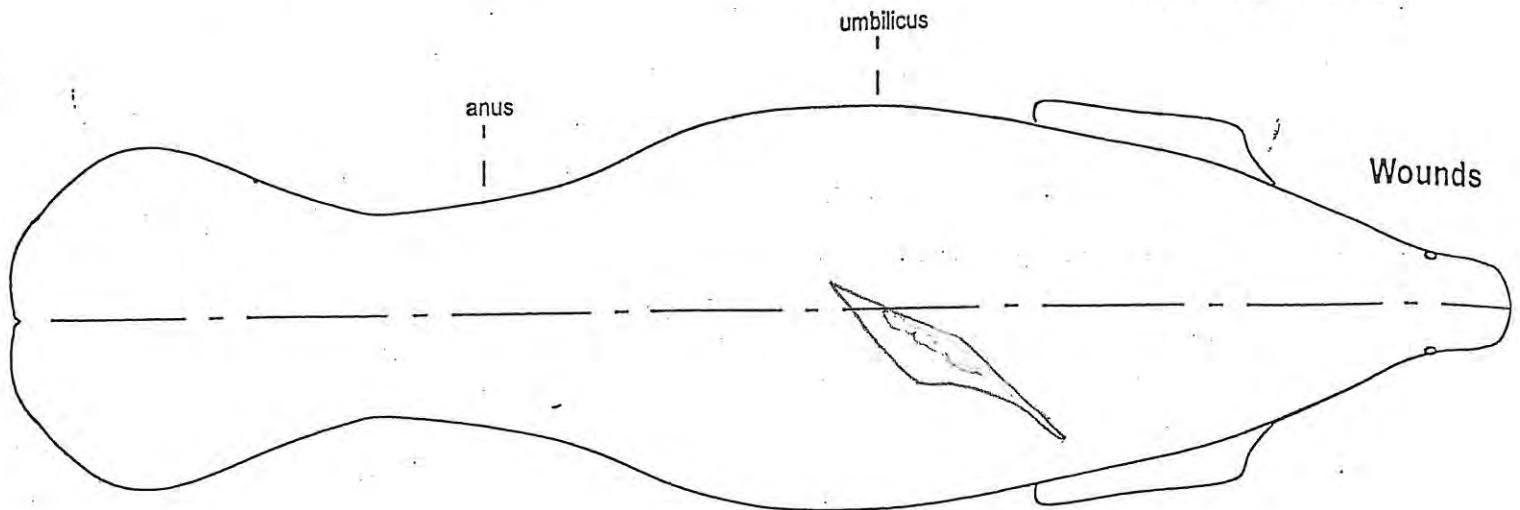
**Comments**

some bleached spots on body / tail - v. mild cold exposure  
 body condition on fair side of good, ventrum slightly  
 wound on dorsum healing nicely; however, seems flattened.

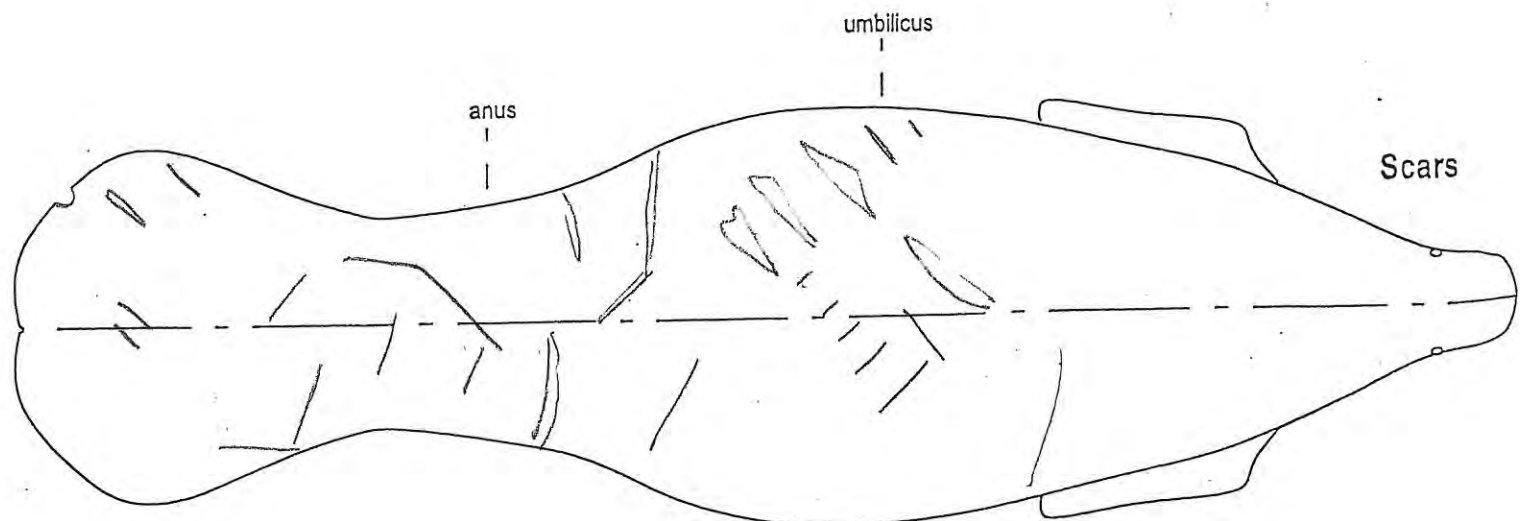
Date 5 Nov 2010

Field I.D. LP2102859

c:\D-Old\Necropsy\scar2dal\ 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																				





**WESH.com****Injured Manatee, Calf Rescued In Volusia County****FWC: 9-Foot Manatee Had Large Laceration Across Back, Possibly From Boat Strike**

POSTED: 8:55 pm EDT October 28, 2010

UPDATED: 9:56 pm EDT October 28, 2010

**CAPE CANAVERAL, Fla.** -- An injured 9-foot manatee and her 5-foot female calf were rescued in a lagoon in Volusia County on Wednesday, the Florida Fish and Wildlife Conservation Commission said.

FWC public information coordinator Joy Hill said the biologists captured the manatees in the Mosquito Lagoon at the Canaveral National Seashore, with assistance from the National Park Service and park volunteers.

The adult manatee had a large laceration across her back, possibly from a boat strike, and was having difficulty remaining submerged, Hill said. The calf appeared healthy.

Hill said the pair were taken to Lowry Park Zoo in Tampa for evaluation and treatment.

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**Images: Images:** FWC Crews  
Rescue Manatee, Calf

orlandosentinel.com/news/local/breakingnews/os-manatees-rescued-volusia-20101028,0,5333761.story

## OrlandoSentinel.com

### Injured manatee, calf captured in Volusia

REC1030/REC1031

**Biologists wrangled an injured adult manatee and her calf in Volusia County on Thursday, an FWC spokeswoman said.**

By Jeff Weiner, Orlando Sentinel

7:49 PM EDT, October 28, 2010

Biologists captured an injured adult manatee and her calf in Volusia County on Thursday, a Florida Fish and Wildlife Conservation Commission spokeswoman said.

Spokeswoman Joy Hill said it took several hours for biologists to rescue the 9-foot female. Hill said the adult had been injured, possibly by a boat strike, and was struggling to stay submerged.

However, officials said the 5-foot female calf "appeared to be fat and healthy."

"It was likely born this past winter," Hill said.

With help from the National Park Service and volunteers, rescuers pulled the pair from the Mosquito Lagoon at Canaveral National Seashore in Volusia County.

They were taken to Lowry Park Zoo in Tampa for evaluation and treatment, Hill said.

Jeff Weiner can be reached at (407) 420-5171 or [jeweiner@orlandosentinel.com](mailto:jeweiner@orlandosentinel.com).

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**Originally appeared on News-Journal Online at**

<http://www.news-journalonline.com/news/local/southeast-volusia/2010/10/29/calf-injured-manatee-mom-rescued.html>

| [Print This](#)  
[Page](#)

Calf, injured manatee mom rescued

By DINAH VOYLES PULVER, Environment writer



Photo | Florida Fish and Wildlife Conservation Commission

REC1030 / REC1031

A 9-foot female manatee and her calf were rescued in Mosquito Lagoon on Thursday and taken to the Lowry Park Zoo in Tampa. The manatee had a large laceration across her back, possibly from being hit by a boat, said Joy Hill, with the Florida Fish and Wildlife Conservation Commission.

Commission biologists and staff from the National Park Service rescued the manatee in Canaveral National Seashore because she was having difficulty remaining submerged in the water. The calf appeared to be about 9 months old and healthy, Hill said. The mother manatee will be evaluated and treated at Lowry Park.

So far this year, six manatees have been killed by watercraft in Volusia County waterways and 63 have been killed statewide, commission records show. None has been killed in Flagler County. This year has been rough for the state's manatees with more than 300 believed to have been killed by cold stress last winter.

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## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 28 October 2010

**SUBJECT:** The rescue of a injured mom and a dependent calf from the Mosquito Lagoon on 28 October 2010 (REC1030/ LPZ102859).

The attached rescue report for **REC1030** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

# Rescue Report

*Rescued/Rel*  
*11/29/10*  
*Calf of Rescuee from*

## GENERAL:

*"Skeeter"*

Date of Rescue: 28 October 2010	Date of Initial Call: 26 October 2010	Filed by: C. Rush
Rescue ID#: REC1031	Facility ID: LPZ102860	FWC Case: 9312
Officer Name: FWC-Ofc. M. Woods		
Sex: Female	Length: 182 cm	Estimated: No
PIT Tag Applied:	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: New Smyrna Beach	County: Volusia
Waterway: Mosquito Lagoon		
Latitude (Decimal Degrees): 28.885388°N		Longitude (Decimal Degrees): -080.801297°W
Locality Description: Approximately 0.27 Kilometers west of parking lot 4 in the Canaveral National Sea Shore.		
Method of Capture: Net set from boat and land.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Dependant calf of a mother that sustained a watercraft wound

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type:: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
26 October 2010, at 1512 hrs.	FWC-biologist C. Rush (CNR) responded to a text from FWC-dispatch Orlando regarding an injured manatee in New Smyrna Beach at the Canaveral National Sea Shore (CNSS). FWC case number 9312 was assigned. The complainant was seasonal Park Ranger Liz Bartel (LB)(321-403-5645). LB described a manatee with a white wound that had been in the same area all day long with its back out of the water. LB also informed CNR that she had a nursing calf with her. While CNR was on the phone with LB, the manatee went under water and was slowly swimming away. CNR inquired if the manatee was symmetrical in the water, had struggling to get to the surface, or bounced like a cork. LB thought the manatee was symmetrical in the water, but the other rangers around her disagreed. LB also did not note any odd behavior. Since CNR and FWC-biologist A. Spellman (ACS) were en route to Cape Canaveral to check on an entangled manatee, LB agreed to take photos with her phone and send them to CNR. Although the picture was small, CNR thought there could be a reason for concern and requested the LB send her some photos via email to better assess the manatee. CNR also asked that she be contacted immediately if the manatee was still there in the morning.
27 October 2010, at 0815 hrs.	CNR did not receive any photos via email, so she contacted LB. LB informed CNR an error message was received and she would try again. LB also informed CNR that she had not seen the manatee yet. CNR left the field lab to pick up and field necropsy MEC10212. At 1200 hrs, while en route to check on



## Rescue Report

another possible manatee in distress or S7, LB contacted CNR to let her know that the manatee was back. CNR informed LB that after checking on the possible injured manatee in Cocoa Beach, she would head up to the CNSS to check on the returning manatee. At 1330 hrs, CNR met with LB and was taken to the manatee. The manatee was clearly in distress. She had to bend herself into a backwards comma shape to stay asymmetrical in the water, and if she relaxed her body, she went completely perpendicular in the water column, with her right side at the surface and her left side on the bottom. CNR kayaked over to the manatee to get a better look and to see how responsive she was. CNR determined she was responsive and had yet to see the calf that had been reported with her. CNR requested a boat from the park so she could take photographs. CNR met with Ranger Dave and took photos of the mom and also now saw the calf as well. CNR also tried to get an in-water assessment to make sure she wasn't distended underneath, but the manatee wouldn't let her. CNR contacted ACS to inform that mom and calf were in need of a rescue as soon as possible. CNR contacted SeaWorld (SW) Randy to see if there was a rescue crew that could help either that day or the following day. Randy informed CNR that he would pass the information to Bob Wagoner. Bob Wagoner contacted CNR to inform her that SW was unable to assist at all. ACS had already been in contact with NEFL-R. Cimino (RLC) to see if she could come down with the transport vehicle, under the assumption that SW could assist with the rescue. CNR contacted ACS to inform her that SW was unable to assist. ACS and RLC worked to put together a rescue team for the following day.

28 October 2010, at  
0700 hrs

CNR and ACS left for the CNSS. LB offered to volunteer her time to help search for the manatee as well. As of 0845 hrs, fog was still heavy on the lagoon and the manatee had not been found yet. A boat would be available around 0930 hrs, so while waiting for the boat, CNR kayaked the area. While CNR was kayaking, ACS informed CNR they found the manatee. ACS saw the manatee only for a moment, and then she disappeared. The arrival of the boat was delayed due to battery issues, so CNR kept kayaking the area. CNR joined back up with ACS and other park staff once the boat arrived. CNR suggested a helicopter since the manatee was very distinct. ACS secured a helicopter to come over from Tampa, so in the meantime, CNR searched on the boat with park staff. While searching on the boat, CNR stopped to greet the rest of the rescue crew at the boat ramp and informed them that they were still searching for the mom and calf. FWC-T. Reinert (TRR) informed CNR that the crew would just stay at the ramp until they were found. At 1230 hrs. ACS was in the helicopter and located the manatee. CNR informed TRR that the manatee was found and got them underway. The ranger's boat met up with the rescue boat and everyone was taken to the manatees.

At first, CNR, TRR, and RLC attempted to hoop net the calf off of the ranger boat, but those attempts were futile since they could not get close enough and the mom was leading them in circles. TRR and CNR joined back up on the rescue boat and attempted to deploy the net around them, but they both got out

## Rescue Report

before the set was complete. The second attempt, the mom and calf were caught, but so was another manatee. Somehow, the calf got out of the net first, but the mom entangled herself in the net. The other manatee was on the opposite side of the net, so CNR and TRR got into the water in an attempt to free the manatee, but the mom was able to disentangle herself and she got out. The third manatee was released with no harm. Now that mom and calf had joined up again, the rescue crew was working on getting a bad knot out of the net. FWC-J. Hill was on the ranger's boat and pointed out that mom and calf were relaxing near shore, so CNR and TRR tried to sneak up on the mom and calf with the hoop net. Unfortunately, the manatees maintained their distance. Finally, after the knot was worked out, TRR and CNR joined back onto the rescue boat. The mom and calf were tightly hugging the shore, so while they were kept between the boat and shore, TRR and a few other crew members got off the boat with some net, and FWC-J. Cassidy (JDC) was able to get the boat ahead of them, and then the rest of the crew jumped off the boat with net to close the shore set. At 1530 hrs, mom and calf were in the net. The calf was brought on board first, and taken out of the net and placed into a stretcher out of the way. Next, mom was brought on board. The calf was placed nose to nose with its mother on the way back to the boat ramp. Once at the boat ramp, the manatees were loaded into the transport vehicle and taken to the Lowry Park Zoo.

### Participants:

FWC: CNR, ACS, TRR, JDC, RLC

Jacksonville Zoo: Jen Harberer, Gen Darnell, Nadia Gordon, Tiffany Smith

Dolphin Conservancy: Matt Denny

**Total time: 26 hrs**

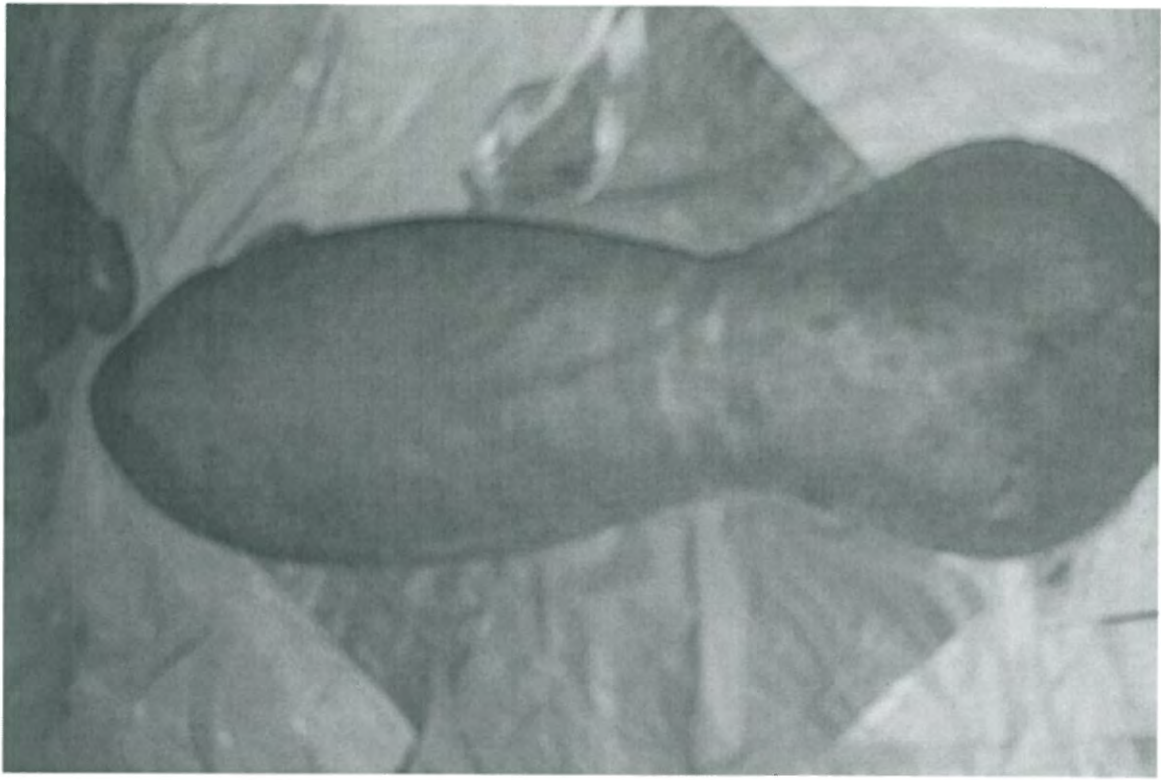
**REC1031**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, LPZ, FWS

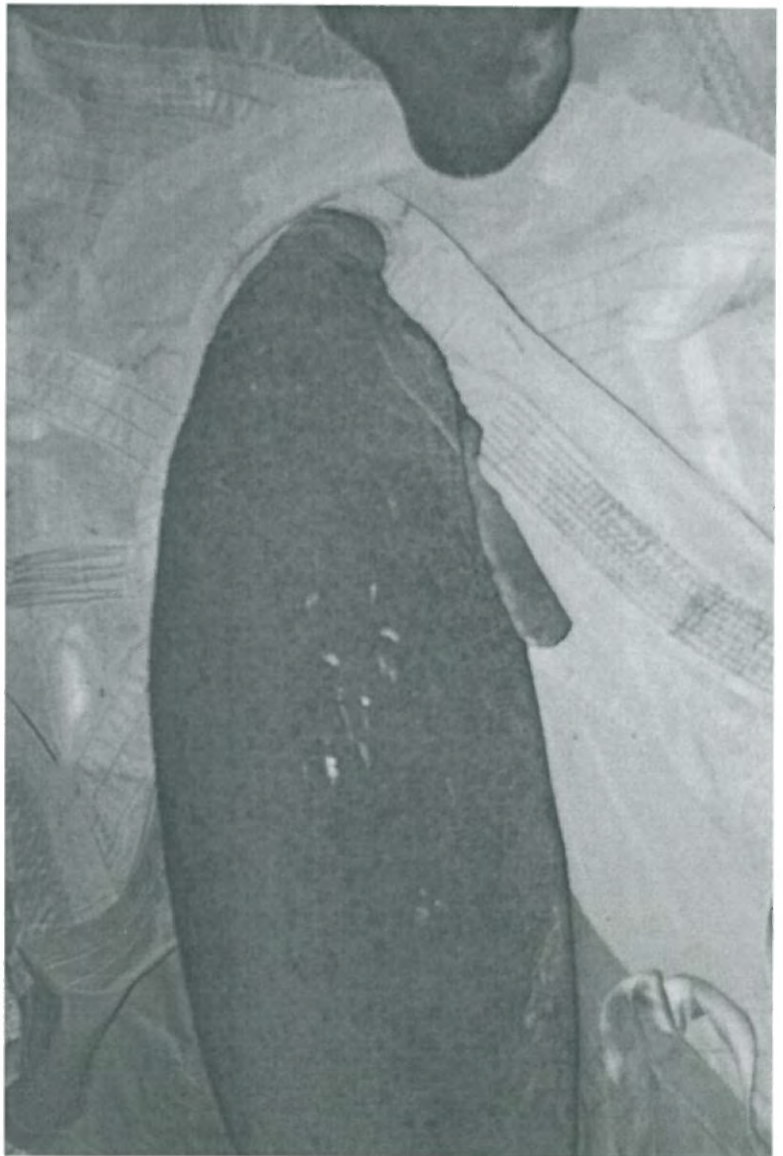
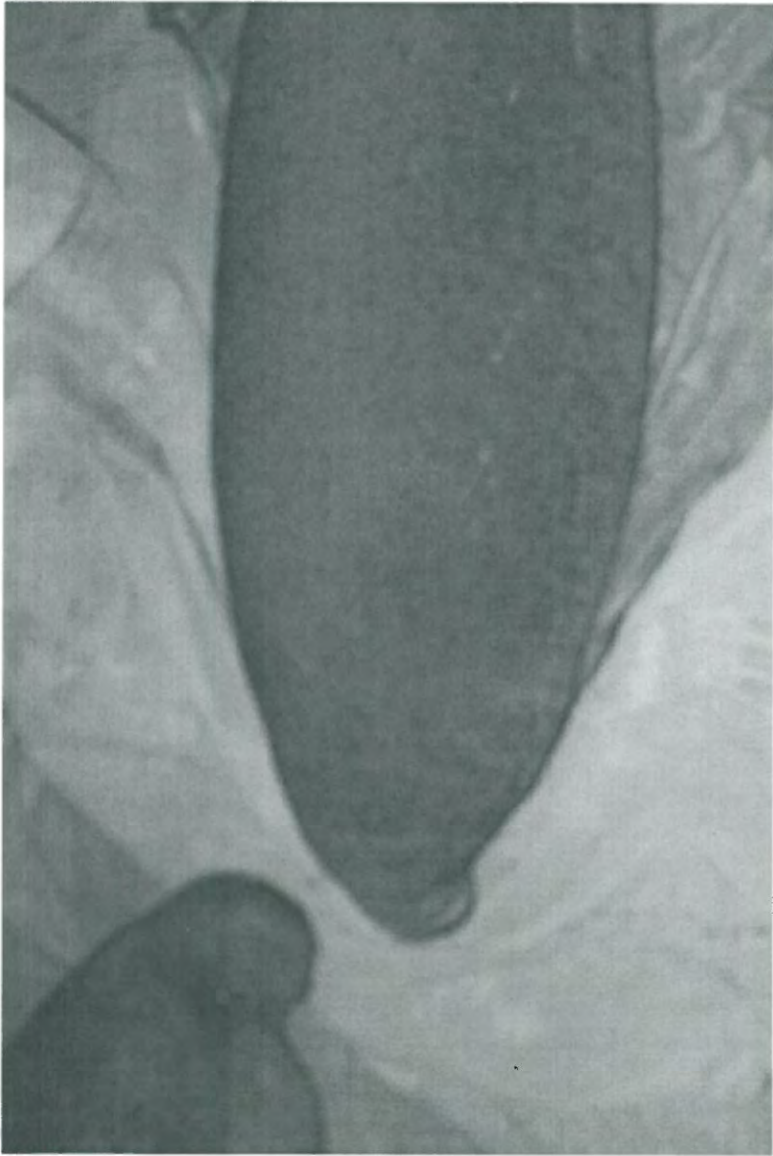




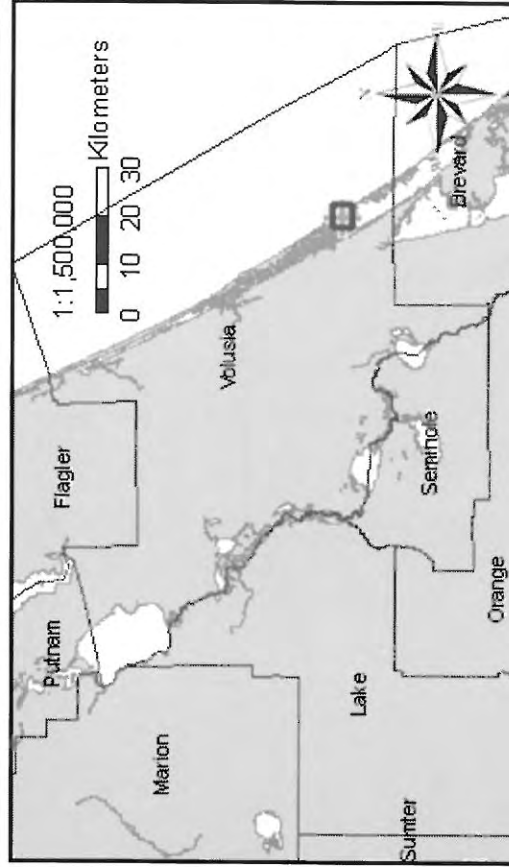
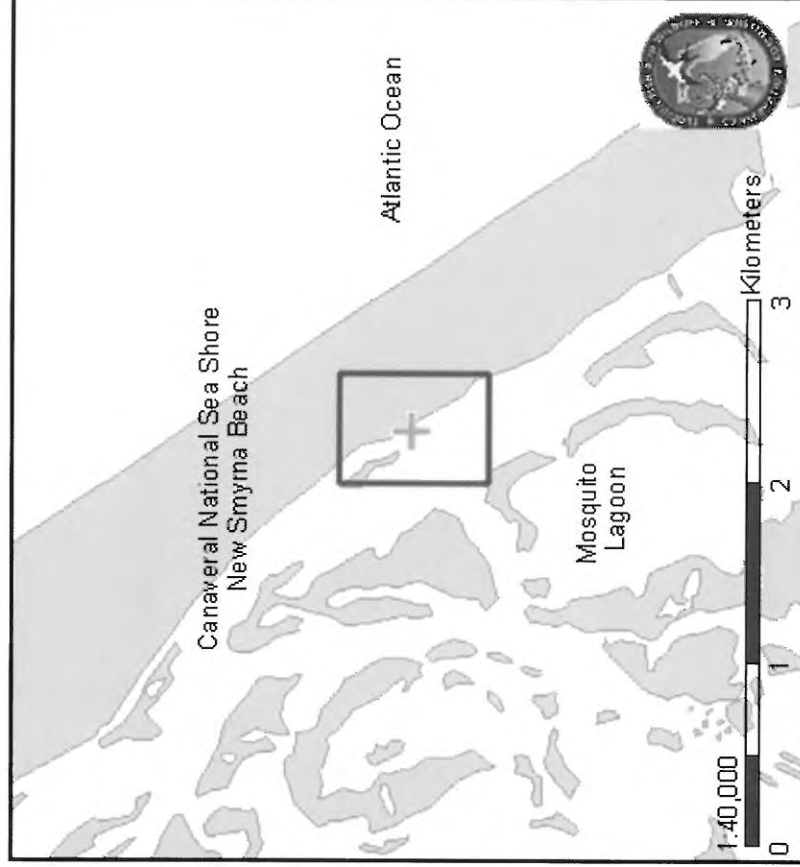


REC1031  
LPZ102860

Cable of Horn Road Air



# Verified Rescue Location of Manatee REC1031



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
26	10	2010	REC1031	28.885388	-80.801297	10/28/2010	FWC,DC,JZ	CHIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 28 October 2010

**SUBJECT:** The rescue of dependent calf of a mother that sustained a watercraft injury from the Mosquito Lagoon on 28 October 2010 (REC1031/LPZ102860).

The attached rescue report for **REC1031** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

**WESH.com****Injured Manatee, Calf Rescued In Volusia County****FWC: 9-Foot Manatee Had Large Laceration Across Back, Possibly From Boat Strike**

POSTED: 8:55 pm EDT October 28, 2010

UPDATED: 9:56 pm EDT October 28, 2010

**CAPE CANAVERAL, Fla.** -- An injured 9-foot manatee and her 5-foot female calf were rescued in a lagoon in Volusia County on Wednesday, the Florida Fish and Wildlife Conservation Commission said.

Related To Story

REC1030  
REC1031

**Images: Images:** FWC Crews  
Rescue Manatee, Calf

FWC public information coordinator Joy Hill said the biologists captured the manatees in the Mosquito Lagoon at the Canaveral National Seashore, with assistance from the National Park Service and park volunteers.

The adult manatee had a large laceration across her back, possibly from a boat strike, and was having difficulty remaining submerged, Hill said. The calf appeared healthy.

Hill said the pair were taken to Lowry Park Zoo in Tampa for evaluation and treatment.

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orlandosentinel.com/news/local/breakingnews/os-manatees-rescued-volusia-20101028,0,5333761.story

## OrlandoSentinel.com

REC1030/REC1031

### Injured manatee, calf captured in Volusia

**Biologists wrangled an injured adult manatee and her calf in Volusia County on Thursday, an FWC spokeswoman said.**

By Jeff Weiner, Orlando Sentinel

7:49 PM EDT, October 28, 2010

Biologists captured an injured adult manatee and her calf in Volusia County on Thursday, a Florida Fish and Wildlife Conservation Commission spokeswoman said.

Spokeswoman Joy Hill said it took several hours for biologists to rescue the 9-foot female. Hill said the adult had been injured, possibly by a boat strike, and was struggling to stay submerged.

However, officials said the 5-foot female calf "appeared to be fat and healthy."

"It was likely born this past winter," Hill said.

With help from the National Park Service and volunteers, rescuers pulled the pair from the Mosquito Lagoon at Canaveral National Seashore in Volusia County.

They were taken to Lowry Park Zoo in Tampa for evaluation and treatment, Hill said.

Jeff Weiner can be reached at (407) 420-5171 or [jeweiner@orlandosentinel.com](mailto:jeweiner@orlandosentinel.com).

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**Originally appeared on News-Journal Online at**

<http://www.news-journalonline.com/news/local/southeast-volusia/2010/10/29/calf-injured-manatee-mom-rescued.html>

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[Page](#)

Calf, injured manatee mom rescued

By DINAH VOYLES PULVER, Environment writer



REC1030 / REC1031

Photo | Florida Fish and Wildlife Conservation Commission

A 9-foot female manatee and her calf were rescued in Mosquito Lagoon on Thursday and taken to the Lowry Park Zoo in Tampa. The manatee had a large laceration across her back, possibly from being hit by a boat, said Joy Hill, with the Florida Fish and Wildlife Conservation Commission.

Commission biologists and staff from the National Park Service rescued the manatee in Canaveral National Seashore because she was having difficulty remaining submerged in the water. The calf appeared to be about 9 months old and healthy, Hill said. The mother manatee will be evaluated and treated at Lowry Park.

So far this year, six manatees have been killed by watercraft in Volusia County waterways and 63 have been killed statewide, commission records show. None has been killed in Flagler County. This year has been rough for the state's manatees with more than 300 believed to have been killed by cold stress last winter.

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**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-8626**

calf  
 Manatee ID: LP2102860 Temporary ID: \_\_\_\_\_ Date: 5 Nov 2010 Time Net Set: \_\_\_\_\_  
 Name: \_\_\_\_\_ Sex: M / (F) Time Captured(Onboard): \_\_\_\_\_  
 ID of its Galf + Mom: LP2102859 Latitude: \_\_\_\_\_ N Time Released: 12:08  
 Location: LP2 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>245 (10/28/10)</u>	Manatee + stretcher	Stretcher weight
Lengths	Total Length (curvilinear) (cm)	<u>190</u>		
	Total Length (straight)	<u>178</u>		
	Snout to Peduncle	<u>130</u>		
	Snout to Anus	<u>118</u>		
	Snout to Umbilicus	<u>63</u>		
Girths	Girth at Peduncle: actual or 1/2	Ultrasound Loc: <u>74</u> cm Belt Loc: _____ in		
	Girth at Anus: actual or 1/2	<u>91</u>		
	Girth at Umbilicus: actual or 1/2	<u>128</u>		
	Girth at Axilla: actual or 1/2	<u>101</u>		

ULTRASOUND		Reader Name: _____			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>14 / 25</u>	<u>10 / 22</u>	<u>9 / 21</u>	
Other:	<u>2</u>	<u>13 / 24</u>	<u>10 / 22</u>	<u>9 / 21</u>	
	<u>3</u>	<u>14 / 24</u>	<u>10 / 23</u>	<u>10 / 22</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>		Ribbs visible? Y <u>(N)</u>		
	Side between anus & peduncle:		<u>Rounded</u> / Flat / Concave		
	Ventrums:		<u>Rounded</u> / Flat / Concave / Ventral Folds		
	Fresh Wounds or Lesions:		<u>(Y) / N</u> (describe in comments) <u>healing scratche</u>		
<u>de Wit</u>	Person(s) assessing condition:		<u>(Cold stress - like on @ cranial aspect)</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 None <u>Data Sheets?</u> Y <u>(N)</u>
	Temperature: Oral Naso-pharyngeal Rectal None Y <u>(N)</u>

Manatee ID LP2102860 Manatee Name:Date: 5 Nov 10

<b>FREEZE BRAND</b>	Letters/Numbers applied:	Applied by:		
	Location:			
<b>BLOOD</b>	Stick #	Start Time	End Time	Flipper
	1			<u>L</u> / R
	2			L / R
	3			L / R
	Drawn by: <u>vet staff</u>			
	# Tubes of Blood Collected	Blue:	Red:	Purple:
		Green:	Yellow:	Other:
<b>PIT TAG</b>	Scanned for previous PIT tag?	<u>(Y)</u> / N none PIT tagged at this capture? <u>(Y)</u> / N		
	PIT tagged by:			
	Right # <u>Flint</u>	<u>00 - 06 7 2 - 2 4 9 0</u> <sup>enter</sup>		
	Left # <u>Bassett</u>	<u>00 - 06 7 1 - E 5 0 2</u> <sup>PIT</sup>		
<b>FLAG</b>	Color and Symbol			
<b>TELEMETRY</b>	<b>TAG</b> 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
	<b>BELT</b> Number / Belt Color	FWC _____ Color: _____		
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	Belt Knot / Webbing Exposed	Left / Right _____ inches		
	CR2a Programmed Release	Y / N Date/Time: _____		
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number			
	Logger Location			
	<b>dTag</b> ID & VHF Frequency	ID #:	148. _____ MHz	
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °	
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °	
	<b>TETHER</b> Strength / Length	Strength: _____	Length: _____ ft.	
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	Tagged by:			
<b>PHOTOGRAPHS</b>	Taken by:	<u>de Wit</u>		
	Exposures:			
<b>SKETCHES</b>	Sketched by:	<u>de Wit</u>		

**Comments**

brown algal mat on cranial aspect.  
 Several scratches on body, on cranial aspect appear to have  
 some cold exposure-like healing  
 healing lesions on face.

# Rescue Report

Resc / Dig?  
Entered 01/07/11  
MEC/10224  
Collected  
w/ 10/11

## GENERAL:

Date of Rescue: 17 December 2010 Date of Initial Call: 17 December 2010 Filed by: C. Rush  
Rescue ID#: REC1032 Facility ID: n/a FWC Case: n/a Officer Name: n/a  
Sex: Male Length: 12<sup>6</sup>/<sub>8</sub> cm Estimated: 47.5 kg  
PIT Tag Applied: No PIT Tag Present: No #R ☐☐-☐☐☐☐-☐☐☐☐ L ☐☐-☐☐☐☐☐☐☐  
LOCATION:  
State: FL City: Port St. John County: Brevard Waterway: Indian River  
Latitude (Decimal Degrees): 28.467845°N Longitude (Decimal Degrees): -080.763669°W  
Locality Description: Along the southern sea wall of the FPL Canaveral Plant intake canal, next to the boiler discharge.  
Method of Capture: Hoop net

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N



# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
17 December 2010, at 1030 hrs:	<p>During captures, FWC-biologist C. Rush (CNR) came to shore on the transport boat and was immediately approached by USGS-M. Kellogg-Hunter regarding a manatee calf she was concerned about in the intake canal. CNR was taken to the calf and noticed that the calf's nares were almost completely covered with cold stressed lesions, but was otherwise robust. The calf was breathing approximately every 5 seconds and appeared to be struggling to surface and maintain buoyancy. CNR requested that USGS staff stay with the manatee while CNR went to get either UF-Veterinarian M. Walsh or FWC-Veterinarian M. deWit (MdW). USGS-B. Bonde called off his staff watching the manatee since their assistance was needed with the manatee currently being worked up on shore. CNR and MdW were unable to locate the manatee. MdW went back to the manatee on shore, but CNR continued to search for the calf. Almost certain the calf had drown, CNR joined back up with the transport boat once they returned. CNR informed FWC-biologist A. Spellman (ACS) of the situation, described where the lesions were, and requested that she search for it.</p> <p>Later in the day, ACS located the manatee. CNR came over and confirmed that it was the calf that was seen earlier. The calf had calmed down and propped itself up using an adult and the sea wall. The calf could not fight the current of the discharge from the boiler system, so occasionally it shot across the canal and would struggle to get back. CNR and ACS discussed the situation with multiple staff from UF, USGS, and other FWC staff. It was agreed to capture</p>



## Rescue Report

the calf with a hoop net while it was by the sea wall to at least do a physical. If the manatee's nares could be debrided and was fit to be put back, a release would follow the physical. If the manatee was in poor health, arrangements were made to take the calf to SeaWorld. It was unclear if the calf had a mother, and who or where the mother was. CNR contacted FWC-fisheries biologist J. Dutka-Gianelli to bring up the ECFL hoop-net to FPL. Once the hoop net arrived, FWC staff quickly scooped up the manatee. Once on land, the calf did not breathe, so Dr. Walsh attempted to tube the manatee to give it breathes and MdW attempted to perform chest palpations. An attempt was made to give dopram as well, but was unsuccessful. The calf expired shortly after. The calf was transported on ice by MMPL staff.

### Participants:

FWC: C. Rush, A. Spellman, T. Reinert, J. Cassady, A. Garrett, M. DeWit

UF: Dr. Mike Walsh and students

USGS staff

**REC1032**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS



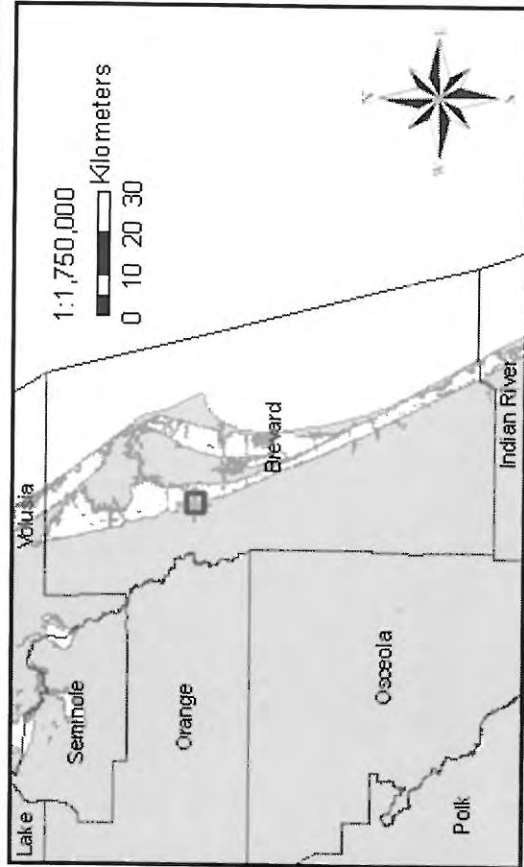
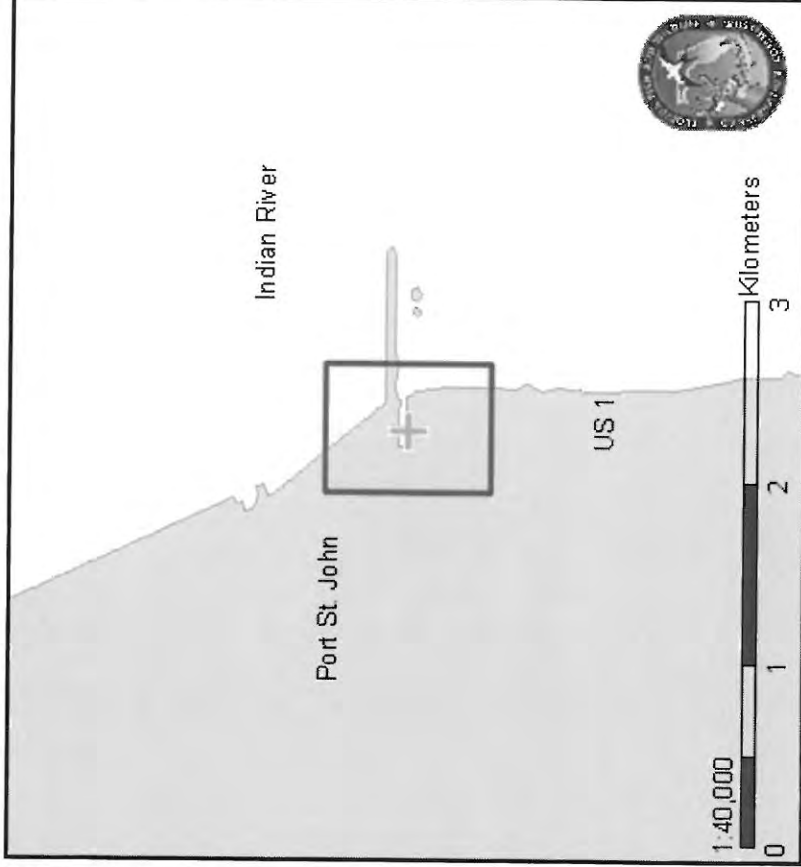


REC1032  
MEC10224

# Verified Recovery Location of Manatee Carcass REC1032



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
17	12	2010	REC1032	28.467845	-80.763669	12/17/2010	MdW, CIR, ACS	MEL



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 28 December 2010

**SUBJECT:** The extraction and subsequent death of a cold stressed manatee calf at the FPL Canaveral Plant on 17 December 2010 (REC1032/MEC10224).

The attached rescue report for **REC1032** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



# 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 # MEC10224  
Date of Report: 2010- Dec -20  
Filed By: FWC MMPL

FWC Case #

FWC Region: NE

Sex: Male

Length: 126.0 cm

Weight: 47.5 kg.

DATE REPORTED: 2010- Dec -17

By: FWC-ACS

DATE COLLECTED: 2010- Dec -17

By: MMPL-MdW, ARH

DATE NECROPSIED: 2010- Dec -19

By: MMPL-MdW, ARH

LOCATION: State -- FL

Latitude: 28.467845 N

County -- Brevard

Longitude: 80.763669 W

Waterway -- Indian River

Locality description: Port St. John, swimming in the FPL powerplant intake canal, approximately 75 m from the western end.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Perinatal ( $\leq 150$ )

Explain: Natural, cold stress. Thickened epidermis; occluded nares; depleted fats; dry, hard feces; rel. empty, fluid-filled upper GI, cecum; bloody lungs; froth airways; serous lymph nodes; enlarged liver.

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, fluke, internal, other

MATERIALS COLLECTED:

genetics, ELISA toxicology samples, archive toxicology samples, histology, feces for Janet Lanyon.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements, organ weights, rescue report, hematology report, histology report.

REMARKS:

PIT tag scan negative. Rescue report REC1032.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	12 OCT 11
NecrReport	12 OCT 11
Lat/Long	12 OCT 11

# Rescue Report

Resc/Rel  
2/6/12

Entered  
02/01/11  
DJS

Natural  
Cold Stress

## GENERAL:

Date of Rescue: 03 January 2011 Date of Initial Call: 28 December 2010 Filed by: C. Rush  
Rescue ID#: REC1101 Facility ID: LPZ102882 FWC Case: 11138 Officer Name: N/A  
Sex: Female Length: 227 cm Estimated: No 227 kg "Catfish" L  
PIT Tag Applied: No PIT Tag Present: No #R  
LOCATION:  
State: FL City: Merritt Island County: Brevard Waterway: Banana River  
Latitude (Decimal Degrees): 28.394435°N Longitude (Decimal Degrees): -080.674324°W  
Locality Description: Merritt Island, in the canal behind 1275 West Scots Ave.  
Method of Capture: Net set from boat.

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☐ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
28 December 2010, at 1520 hrs:	<p>FWC-biologist C. Rush (CNR) responded to a page from FWC-dispatch Orlando regarding an injured manatee in Merritt Island, Brevard County. FWC case number 11183 was assigned. According to the complainant, Emily Masse (770-713-2924), there was a manatee with a red gash on its paddle and was sitting in the same spot for a couple of hours in a canal off of the Banana River. At the time CNR was on a BCSO-LE boat with FWC-biologist A. Spellman (ACS) collecting two carcasses. CNR then called FWC-biologist M. Lizotte (MEL) and requested that she check on the manatee. MEL arrived on the scene by 1630 hrs, at which time the manatee had relocated farther down the canal. MEL and the complainant located the manatee off of a dock behind 1955 Porpoise St. MEL assessed the animal as being lethargic and having a red gash on its paddle due to cold stressed skin sloughing off. MEL also noticed that the animal was having a hard time lifting its head to breathe, was covered in a thick layer of algae, and its tail was lifted close to the surface. MEL then called ACS and CNR and requested that they respond to the scene and to check the manatee. ACS and CNR arrived on the scene by 1700 hrs and determined that the animal needed to be rescued. Due to the time of day and the minimal light, plans were made to search for and potentially rescue the manatee the following day. ACS called MMPL-A. Garrett to inform him on the potential rescue. ACS then called SeaWorld to set up a potential rescue for the next day. SeaWorld agreed to assist and also informed ACS that they could only accept a male manatee for rehabilitation. CNR also requested for a BCSO helicopter to</p>

## Rescue Report

search the area for the manatee the following day.

29 December 2010,  
at 0830 hrs:

Hubbs-SWRI-biologist T. Mazzo (TM), who was at the time conducting a helicopter survey of Brevard county, called CNR to inform her that she spotted a manatee not moving near 1740 Manatee Court. CNR and MEL arrived at the complainant's house by 0900 hrs and searched the area. MEL kayaked the canal system for over an hour. When the manatee wasn't found, it was suspected that the manatee had died and sunk. CNR requested that the BCSO helicopter fly the area to determine if the manatee had died or had left the area. BCSO helicopter surveyors could not find the manatee in the area. It was then determined that the manatee had left the canal system and was back in the Banana River. The rescue was called off.

03 January 2011, at  
1200 hrs:

MEL was informed by FWC-Ofc. J. Morgan and FWC-Ofc. J. Luce that a live manatee was called into dispatch by a complainant, Robert (321-452-9160). According to the complainant, the manatee was in a canal off of Banana River near the residence of 2190 Dumas St. MEL and Ofc. Morgan responded to the scene and were informed by the complainant that the manatee was located in a canal at the end of the street, behind 1275 W. Scots Ave. MEL and Ofc. Morgan located the manatee by 1300 hrs. Due to the behavior and the markings on the paddle, MEL determined the manatee to be same as the one called in one week prior. MEL called ACS to inform her of the situation. ACS arrived on the scene by 1330 hrs and agreed that the manatee needed to be rescued. SeaWorld was unavailable to assist in a rescue, so CNR requested that SEFL-J. Cassidy (JDC) assist. JDC agreed to assist, along with SEFL-intern K. Garvy (KAG), and would bring their transport truck. CNR then called NEFL-N. Gordon (NJG) and requested the use of the NEFL's rescue boat. NJG agreed to bringing the boat and to assist in the rescue. CNR also called Hubbs-SeaWorld T. Mazzo (TM) and requested her assistance in the rescue. ACS was also able to contact ECFL-volunteers L. Cross (LJC) and L. Moreland (LDM) for assistance. LJC and LDM arrived at the scene by 1430 hrs. At 1445 hrs, MEL, LJC, and LDM left the scene to wait at the Kelly Park Boat ramp for the rest of the rescue crew. ACS remained at the scene to keep an eye on the animal until the rescue boat arrived. TM, JDC, and KAG arrived at the boat ramp by 1500 hrs. NJG arrived at the boat ramp by 1530 hrs. The boat was loaded and underway by 1600 hrs. The rescue boat arrived on the scene by 1630 hrs. The net set was prepared and the net was let out halfway, creating a semi-circle from the west side of the dock to the east side. However, the manatee was positioned right next to the dock, which prohibited the boat from moving between the dock and the manatee to complete the circle. After attempting to move the manatee away from the dock by slapping the water with a paddle and splashing the water, the manatee moved southward away from the dock. The net set was completed and the manatee was trapped in the net. The manatee was pulled onto the boat by 1720 hrs and was brought back to the Kelly Park boat ramp. ACS drove her work truck to the boat ramp and then prepared the transport truck. The entire rescue crew loaded the manatee into



## Rescue Report

the transport truck by 1745 hrs. The manatee was then determined to be female. After the manatee was loaded, ACS, MEL and LDM began the transport to the Lowry Park Zoo in Tampa. The transport truck arrived at Lowry by 2015 hrs. The manatee was assessed by the park's veterinarian and was then loaded into one of the med pools.

### Participants

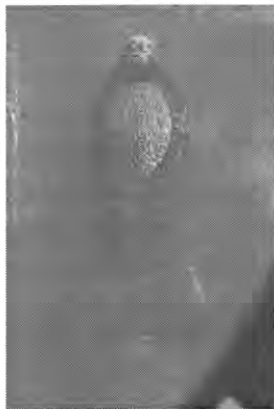
FWC: A. Spellman, M. Lizotte, J. Cassidy, N. Gordon, K. Garvy (intern), L. Cross (volunteer), L. Moreland (volunteer), T. Mazzo (Hubbs-SWRI)

### REC1101

Attachments: map

Photographs: FWC020:8411-8447, 8449-8467, 8503-8516

Cc: FWRI- Mammals, N. Adimey, ISM, Lowry Park Zoo







LPZ  
REC1101

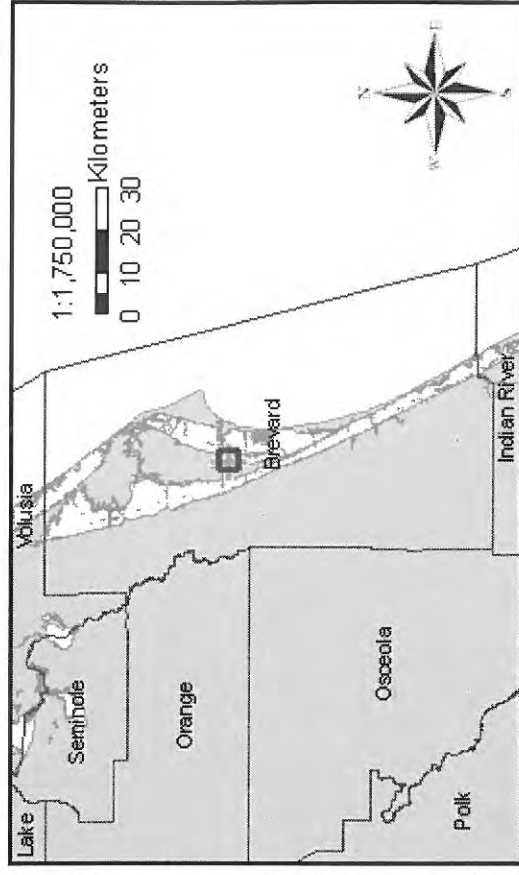
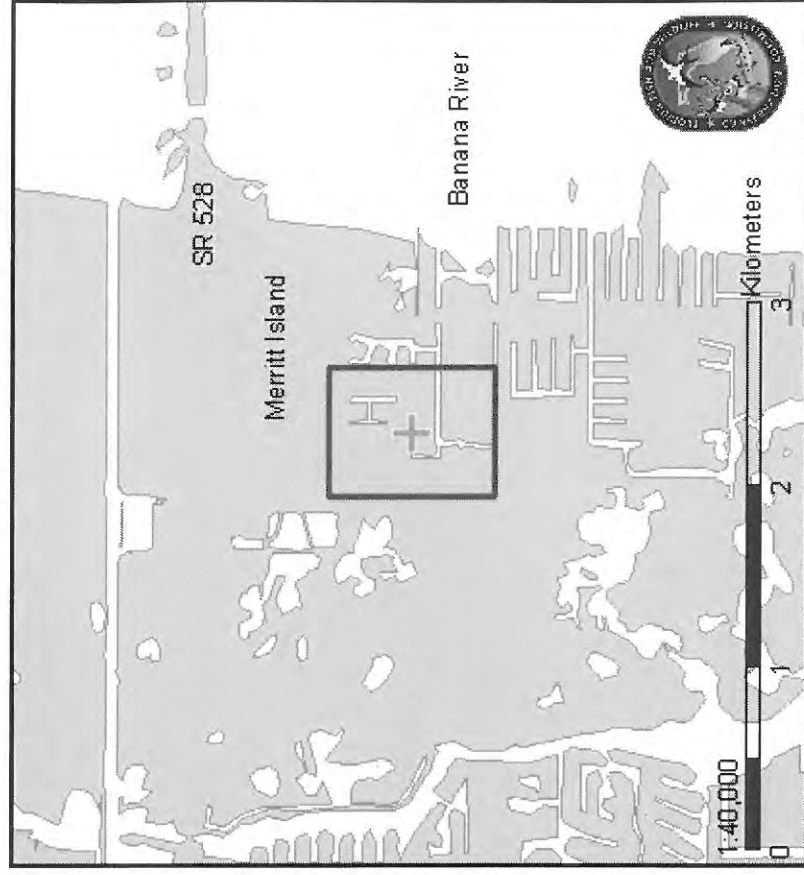




LP2  
REC1101



# Verified Recovery Location of Manatee Carcass REC1101



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
28	12	2010	REC1101	28.394435	-80.674324	1/3/2011	MEL,ACS,JDC MEL	



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Megan Lizotte, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 31 January 2011

**SUBJECT:** The rescue of a cold stressed manatee from Merritt Island in the Banana River  
on 03 January 2011 (REC1101/LPZ102882).

The attached rescue report for **REC1101** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Szemer, Donna

LPZ

REC1101

**From:** Ball, Dr Ray ( Zoo Vet ) [Ray.Ball@LowryParkZoo.com]  
**Sent:** Tuesday, January 04, 2011 8:03 AM  
**To:** Garrett, Andy; Art Yerian; Bill.Hughes@SeaWorld.com; Boyd\_Blihovde@fws.gov; cbeck@usgs.gov; Rottman, Leeann; deWit, Martine; Frisch, Katherine; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Linvill; jpowell@sea2shore.org; Maya; Michael\_Lusk@fws.gov; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Quigley, Wendy; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@SeaWorld.com; sbutler@usgs.gov; Segelson, Carli; Steven.Lehr@SeaWorld.com; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Edmonds, Virginia; Ward, Leslie  
**Cc:** Killmar, Larry  
**Subject:** RE: Merritt Island Rescue

Arrived around 8pm last night. Very swollen muzzle and pects with a large area of white, devitalized skin on these areas. Some large ulcerations on head and dorsum. Temp 88F and fairly responsive. Blood glucose 82mg/dl.

Given ketoprofen and ceftiofur and applied DMSO to pects. Used a shallow pool (2ft) well and left that way overnight. This am more active and exploring the pool.

Will continue ketoprofen for 2 more days, DMSO for a total of 5 at least and get a full set of bloods soon.

Thanks

Ray

-----Original Message-----

**From:** Garrett, Andy [mailto:Andy.Garrett@MyFWC.com]  
**Sent:** Monday, January 03, 2011 1:16 PM  
**To:** Art Yerian; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; cbeck@usgs.gov; Rottman, Leeann; deWit, Martine; Frisch, Katherine; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Linvill; jpowell@sea2shore.org; Maya; Michael\_Lusk@fws.gov; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Quigley, Wendy; Ball, Dr Ray ( Zoo Vet ); rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Edmonds, Virginia; Ward, Leslie  
**Subject:** Merritt Island Rescue

FWC ECFL staff are currently on scene with a 6-7 ft cold stressed manatee (lethargic, lesions on the snout) in the Banana River in Merritt Island near the residence at 2190 Dumas St. ECFL staff believe that this is the cold stress manatee that they were observing at the end of last week that they were unable to relocate for a rescue the following day.

FWC NEFL staff will be providing a capture boat and crew and the FWC SEFL staff will be providing a transport truck and crew.

Once captured the gender and size of the manatee will be determined.  
Male and sub-adult = a trip to SWF

Large male or female = a trip to LPZ

-Andy



**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-862**

Manatee ID: LPZ 102882 Temporary ID: \_\_\_\_\_ Time Net Set: \_\_\_\_\_  
 Name: Cattfish (REC1101) Date: 13 JAN 2012 Time Captured(Onboard): \_\_\_\_\_  
 ID of its Calf / Mom: \_\_\_\_\_ Sex: M / F Time On Beach: 11:33  
 Location: Lowry Park Latitude: \_\_\_\_\_ N Time Released: 11:55  
 Event: \_\_\_\_\_ Capture \_\_\_\_\_ Rescue X 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>725</u>	<u>855</u>	<u>130</u>
Lengths	Total Length (curvilinear) (cm)	<u>273</u>		
	Total Length (straight)	<u>254</u>		
	Snout to Peduncle	<u>179</u>		
	Snout to Anus	<u>168</u>		
	Snout to Umbilicus	<u>91</u>		
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>111</u> cm Belt Loc: _____ in		
	Girth at Anus: <u>actual</u> or 1/2	<u>135</u>		
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>186</u>		
	Girth at Axilla: <u>actual</u> or 1/2	<u>143</u>		

ULTRASOUND		Reader Name: <u>Garrett</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>15 / 23</u>	<u>12 / 26</u>	<u>11 / 26</u>
Other:	<u>2</u>	<u>15 / 24</u>	<u>11 / 26</u>	<u>11 / 25</u>
	<u>3</u>	<u>16 / 23</u>	<u>11 / 26</u>	<u>11 / 26</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</u> / Flat / Concave		
	Ventrums:		<u>Rounded</u> / Flat / Concave / Ventral Folds		
	Fresh Wounds or Lesions:		<u>Y / N</u> (describe in comments)		
	Person(s) assessing condition:		<u>de Wit</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?		
	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 EKG Pulse-Oximeter None	<u>Data Sheets?</u> <u>Y / N</u>
	Temperature: Oral Naso-pharyngeal Rectal None	<u>Y / N</u>

Manatee ID LP3 102882 Manatee Name: CatfishDate: 13 Jan '12

<b>FREEZE BRAND</b>	Letters/Numbers applied:	Applied by:		
	Location:			
<b>BLOOD</b>	Stick #	Start Time	End Time	Flipper
	1			L / (R)
	2			L / R
	3			L / R
	Drawn by: <u>H. Henry</u>			
	# Tubes of Blood Collected	Blue:	Red: <u>3</u>	Purple: <u>1</u>
		Green:	Yellow:	Other:
<b>PIT TAG</b>	Scanned for previous PIT tag?	(Y) / N none PIT tagged at this capture? (Y) / N		
	PIT tagged by: <u>Bassett / Gouche</u>			
	Right #	<u>00-0675-C115</u>		
	Left #	<u>00-0671-EB6E</u>		
<b>FLAG</b>	Color and Symbol			
<b>TELEMETRY</b>	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
	<b>BELT</b> Number / Belt Color	FWC _____ Color: _____		
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	Belt Knot / Webbing Exposed	Left / Right _____ inches		
	CR2a Programmed Release	Y / N Date/Time: _____		
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number			
	Logger Location			
	<b>dTag ID &amp; VHF Frequency</b>	ID #:	148. _____ MHz	
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °	
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °	
	<b>TETHER</b> Strength / Length	Strength:	Length: ft.	
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	Tagged by:			
<b>PHOTOGRAPHS</b>	Taken by:	<u>Panike</u>		
	Exposures:			
<b>SKETCHES</b>	Sketched by:	<u>de Wit</u>		

**Comments**

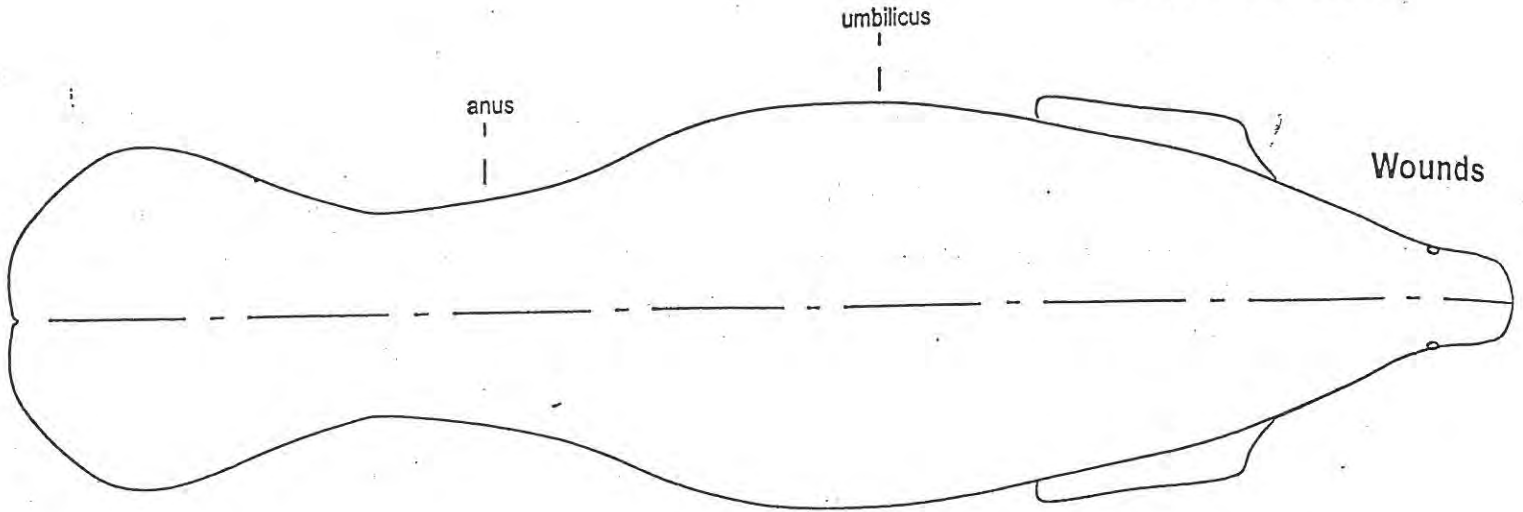
20 mg midazolam @ 10:44 hrs im @ shoulder  
 1 mg detomidine @ 11:33 hrs im @ shoulder  
 5 mg atipamezole @ 11:55 hrs im @ shoulder



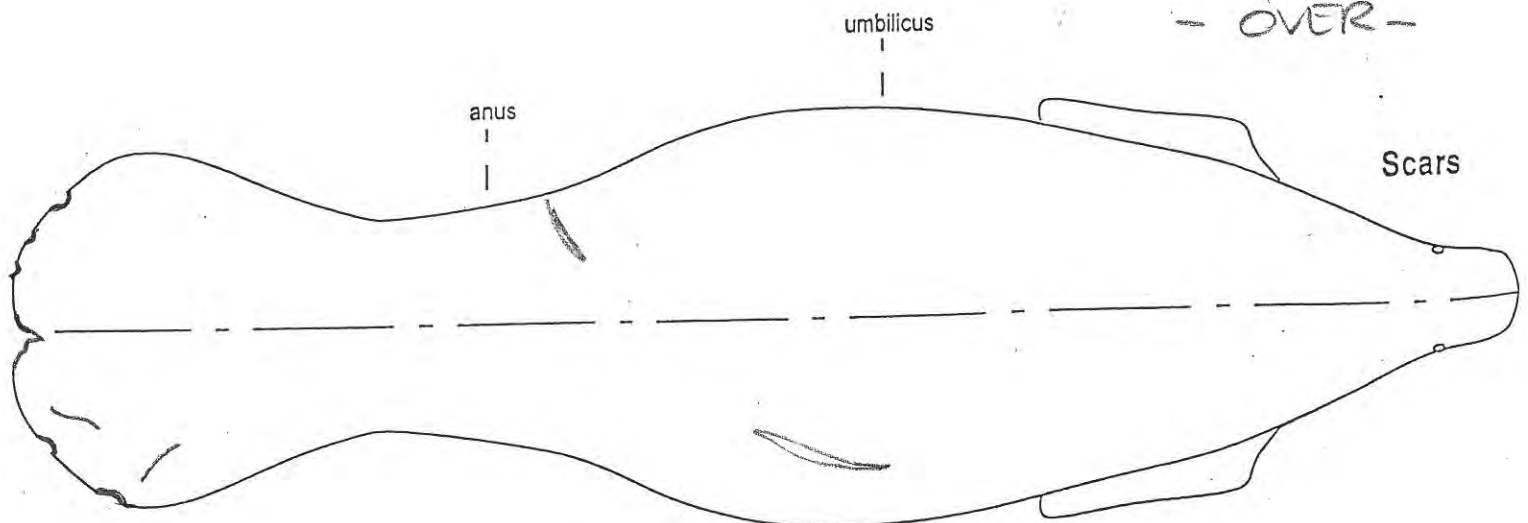
Date 13 Jan 2012

LPZ102882  
Field I.D. Catfish

c:\D-Old\Necropsy\scar2dat\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																				



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Monday, February 06, 2012 3:00 PM  
**To:** Cathy A Beck; Szemer, Donna  
**Subject:** Release of "Catish"  
**Attachments:** FWC020\_2012-02-06\_4935.jpg; FWC020\_2012-02-06\_4943.jpg; FWC020\_2012-02-06\_4923.jpg; FWC020\_2012-02-06\_4926.jpg

Released today at Berkeley Canal, Satellite Beach -1230h  
"Catfish" REC1101/ LPZ102882 Rescued for CSS in Merritt Island on 03 Jan 2011  
TL: 253cm WT: 730# (taken in the last 3 weeks)  
R: 00-0675-C115  
L: 00-0671-EB6F  
Female

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

Resc 1Dth  
1/9/11  
Natural Cold Stress

Entered  
3/15/11  
DS

1/9/11  
Natural  
Cold Stress

Check one of the following:

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

Check one of the following:

☐ Propeller                      ☐ Skeg                      ☐ Suspected Impact

Describe:

<b>Gear Type:</b> (Check all that apply) <div> <input type="checkbox"/> Monofilament Line           <input type="checkbox"/> Hook         </div> <div> <input type="checkbox"/> Net           <input type="checkbox"/> Buoy         </div> <div> <input type="checkbox"/> Polyprop/Nylon Line           <input type="checkbox"/> Trap         </div> <div> <input type="checkbox"/> Sinkers           <input type="checkbox"/> Other (Specify): _____         </div>		
<b>Location of Entanglement:</b>		
<b>If Crab Pot:</b>		
Float#:	Color:	Line Type:
<b>Damage from Gear:</b>		
<input type="checkbox"/> No Damage	<input type="checkbox"/> Abrasions	
<input type="checkbox"/> Breaking Skin Surface	Depth of Entanglement Penetration: ____ cm	
Comments:		
Gear Retained? <input type="checkbox"/> Y <input type="checkbox"/> N		

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
07 January 2011, at 0830 hrs:	FWC-biologist Christine N. Rush (CNR) received a call from FWC-biologists Margie E. Barlas (MEB) and Mary Jo Melichercik (MJM) regarding a cold stressed manatee outside of the intake canal at FPL. MEB described to CNR a manatee in critical condition that was first seen the previous morning, and again that same evening by FWRI telemetry staff. The manatee was breathing rapidly, had cold stress lesions, and was positively buoyant, causing the manatee to swim in an undulating motion. CNR informed MEB that she would be there shortly to assess the manatee and requested that photos be taken in case the manatee swam off. Right as CNR arrived, the manatee swam off. CNR was able to capture a few photos of the manatee swimming out of the intake canal and also looked at the pictures from MEB. Based on the information, the manatee appeared to be in distress. CNR contacted SeaWorld-Bob Wagoner (BW) to inform him of the situation.
08 January 2011, at 0845 hrs:	<p>CNR arrived at FPL to search for the manatee. CNR was unable to locate the manatee in distress, so she left the area to deal with another rescue situation at the Canaveral Locks.</p> <p>At 1415, CNR was contacted by Becky, an observer at FPL. She described that manatee that CNR was searching for and she was back resting in the same area as the day before. CNR, FWC-biologist Ann C. Spellman (ACS), FWC-biologist Megan E. Lizotte (MEL) and FWC-Volunteer Jackie E. Ludema</p>



## Rescue Report

(JEL) responded to the scene and verified that the manatee definitely needed to be rescued. CNR contacted BW to inform him that the manatee had been located again. The SW crew was not available for a rescue that day due to the hour, and it was also too late in the day for SEFL to assist with their boat. CNR set up SW's rescue crew for the following morning.

09 January 2011, at  
0800 hrs:

CNR, JEL, and FWC-volunteer Lisa A. Lehmann (LAL) arrived at FPL and located the manatee within 15 minutes. CNR contacted BW to get the SW crew on the road. CNR then contacted ACS, MEL and FWC-Volunteer Leo J. Cross (LJC). MEL and LJC met SW staff at the Port St. John Boat Ramp. Upon the boat's arrival, ACS launched the kayak in attempt to move the manatee away from the boom. The manatee was not responding, so JEL entered the water and began swimming her away. JEL could only get the manatee so far and then she wouldn't budge, so CNR used a long pole to gently nudge the manatee. Efforts were successful and the manatee was captured on the first net set just east of the barrier boom in the intake canal. The manatee was brought back to the Port St. Johns Boat Ramp. En route to the ramp, MEL contacted CNR to inform her that they thought the manatee had expired. Luckily, they were wrong, but the manatee was in very critical condition. The manatee was loaded into the transport truck and not too soon after arriving at SeaWorld, passed away.

### Participants:

FWC: CNR, MEL, ACS, JEL, LJC, LAL  
SeaWorld Animal Care Staff

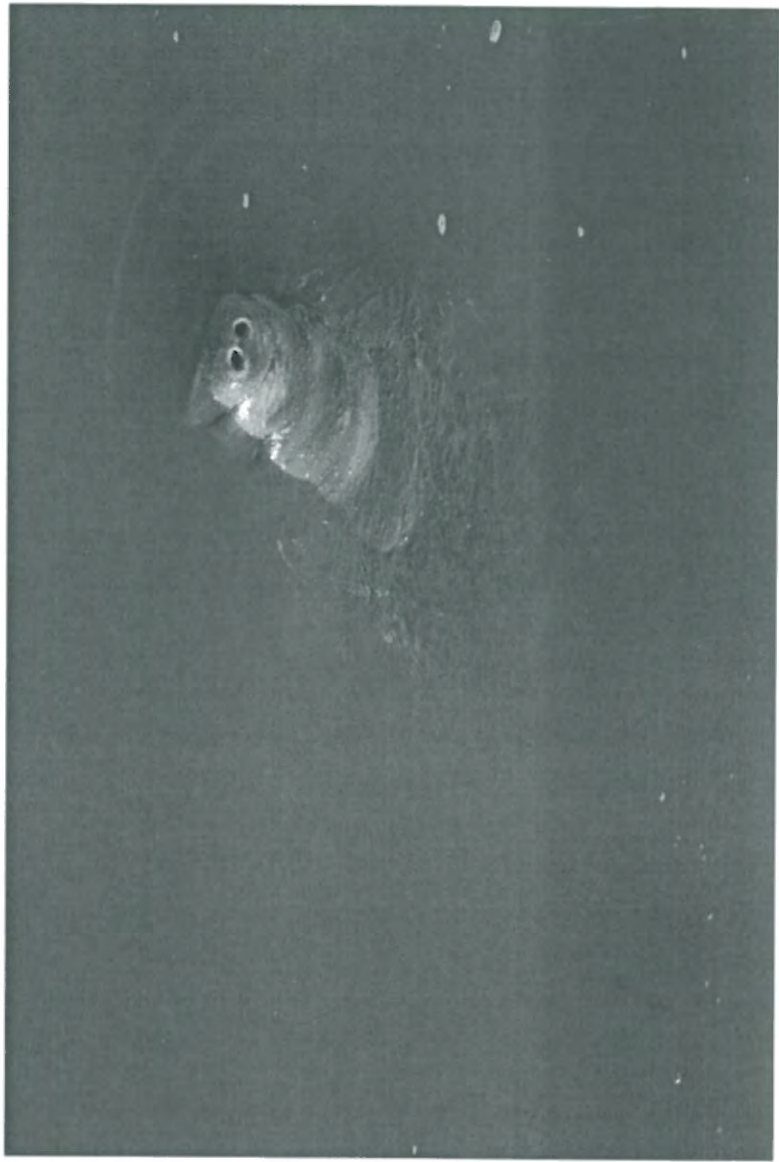
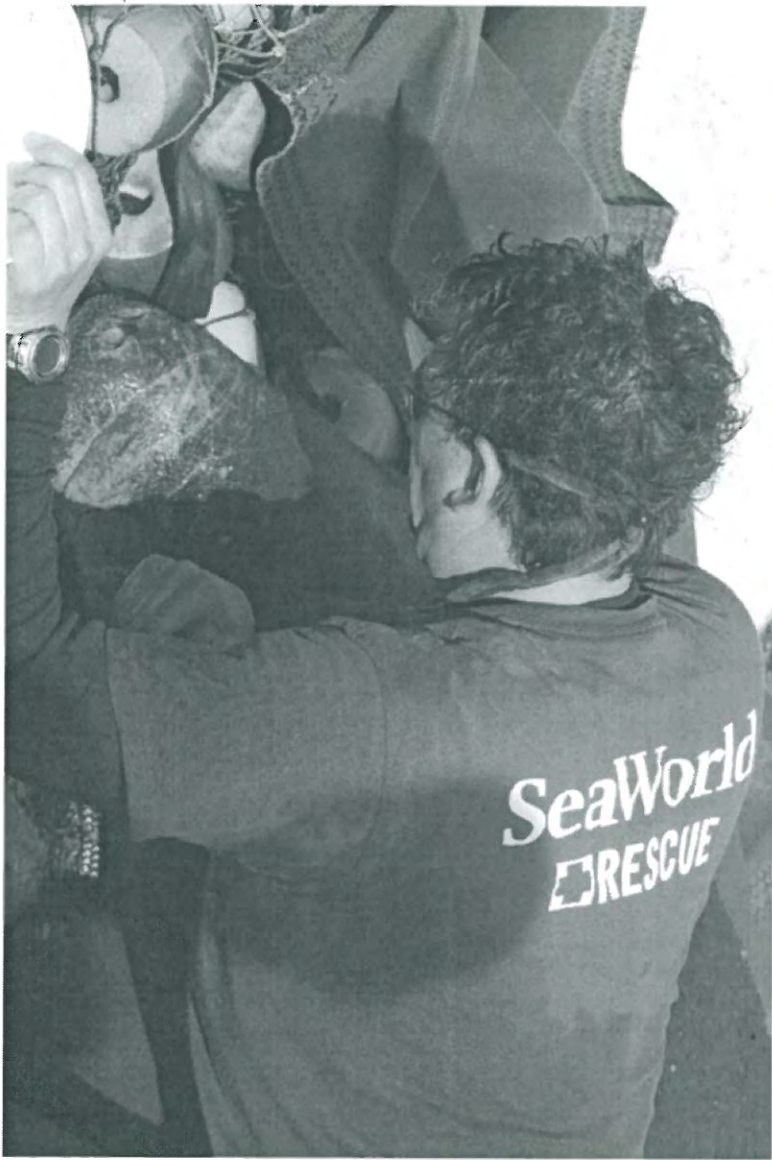
**Total time: 14 hrs**

**REC1102**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS

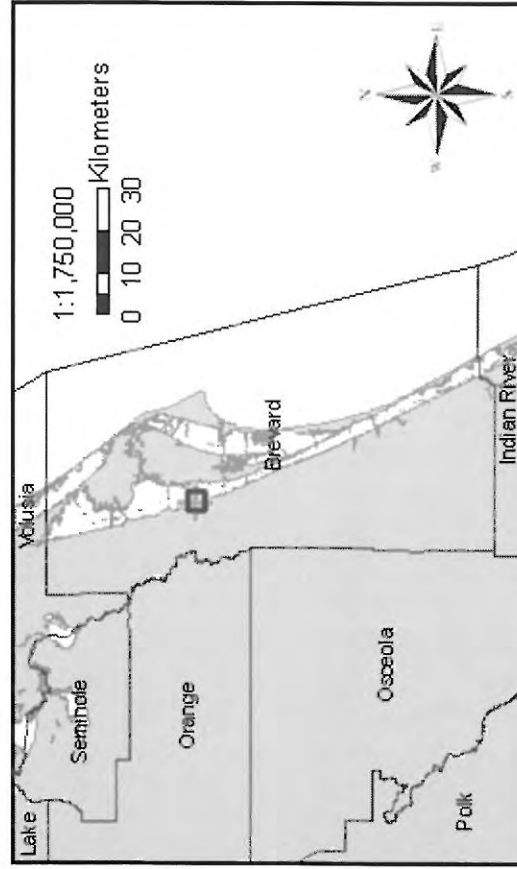
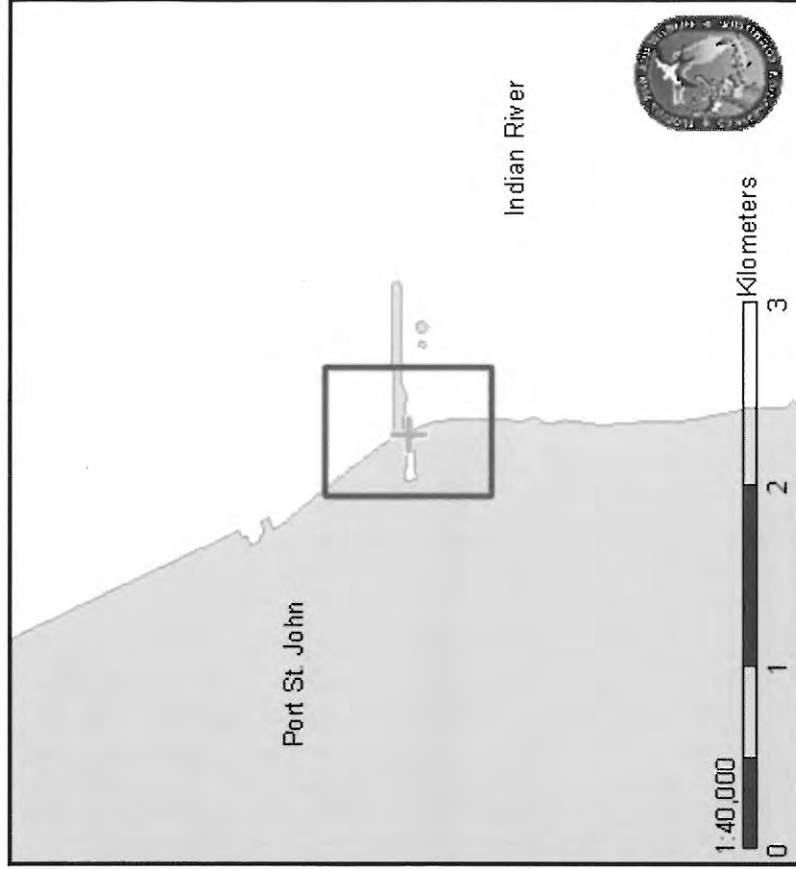




SWFTY1101B  
REC1102



# Verified Rescue Location of Manatee REC1102/SWFTm1101b



REP/	REPMONTH	REP/	FIELDID	LATITUDE	LONGITUDE	RECDATE	REC/	MAP/
DAY		YEAR					FWC, SWF	CIIR
7	1	2011	REC1102	28.468145	-80.762203	1/9/2011	FWC, SWF	CIIR

## Rescue Report



## FLORIDA FISH AND WILDLIFE COMMISSION

## MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 15 March 2011

**SUBJECT:** The rescue of a cold stressed manatee from the Intake Canal at the FPL  
Canaveral Plant on 09 January 2011 (REC1102/SWFTm1101b).

The attached rescue report for **REC1102** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



Entered  
3/15/11  
DJS

Resc. / Dth

**Manatee Information (MLog:1244 )**Animal ID: **SWFTm1101B** Sex: **F** Name: Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 01/09/2011 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** No information on potential pregnancy is known

## -- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Port St. John**Waterway:** Indian River**Latitude:** 28.468145 **Longitude:** -80.762203**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 330 **Estimated Weight?:** No **Date Weighed:** 01/09/2011**Length (cm):** 244 **Estimated Length?:** No **Date Measured:** 01/09/2011

## -- Other Rescue Information -----

**Tracker:** **Transporter:** SeaWorld Florida**Facility transported to:** SeaWorld Florida**Veterinarian:** Kathy Heym **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Flood Gate:** **Pot Status:****Additional Narrative:** Animal died shortly after arriving at SWF.

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 01/13/2011**Updated By:** D **Updated Date:** 01/13/2011

REC1102


**SEVERE WEATHER EXPERTS**

 only on  
bright house  
NETWORKS

Jan 11 8:43:31 AM Temp: 60°

NEWS WEATHER TRAFFIC SPORTS ON THE TOWN COMMUNITY POLITICS BUSINESS LOTTO VIDEO

Brevard Flagler Lake Marion Orange Osceola Seminole Sumter Volusia State National Space Health Español

Space shuttle Discovery repairs continue. LIVE briefing from NASA at 2 p.m. on launch status.

## Rescuers try to save manatee in Brevard County



Experts tried to save one manatee suffering from cold stress Sunday in Brevard County, but despite their efforts, the animal didn't make it.

By Margaret Kavanagh, Reporter

Last Updated: Sunday, January 09, 2011 6:13 PM

**BREVARD COUNTY** – It's been a tough winter for manatees throughout the state. 2010 set records for the number that have died.

Experts tried to save one suffering from cold stress Sunday in Brevard County, but despite their efforts, the animal didn't make it.

"It's hard because I love them so much and to see them like that," said Cindy Towers.

Towers was one of several people gathered near a boat ramp in Port St. John as SeaWorld representatives and Florida Fish and Wildlife authorities pulled the manatee from the river.

They tried to save him, but unfortunately the massive animal didn't make it.

"I'm very upset. I held back my tears," Towers said.

Disappointment for people who love the large, gentle creatures and for the crews who work hard for them.

When they pulled the manatee from the water, he was in bad condition.

FWC officials said someone spotted him floating in the water, looking like he needed help.

It's part of the growing number of manatees dying, most likely as a result of the cold temperatures.

"This winter has been rough," said FWC biologist Ann Spellman.

FWC said with the water being somewhere between 54 and 60 degrees, they expect to be busy of the next few

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BREAKING NEWS ALERTS



weeks.

"We've been pulling manatees in all areas of the state above our average rescue numbers and many of the animals are not looking very good. This is the second one in Brevard County in a week we've had to pull," said Spellman said.

"It's just like humans with hypothermia. They get cold. The quicker you can help them, the quicker you can start getting care the better the results can be," said SeaWorld representative Jon Peterson.

For people like Towers, the manatees are special. She had her manatee t-shirt on, her gold manatee necklace and even has a manatee tattooed on her leg.

"I've got a manatee collection, you name it, I got it," Towers said.

She said she'll be praying for them as the cold temperatures continue to be a threat.

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# 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 # SWFTm1101b  
Date of Report: 2011- Jan -11  
Filed By: FWC MMPL

FWC Case #

FWC Region: NE

Sex: Female

Length: 244.0 cm

Weight: 325.0 kg.

DATE REPORTED: 2011- Jan -09

By: SeaWorld-Bob Wagoner

DATE COLLECTED: 2011- Jan -10

By: FWRI-Dee Semeyn

DATE NECROPSIED: 2011- Jan -10

By: MMPL-MdW,AJG,KJR,BLB,ARH,MSF

LOCATION: State -- FL

Latitude: 28.468145 N

County -- Brevard

Longitude: 80.762203 W

Waterway -- Indian River

Locality description: Port St. John, FPL intake canal, approximately 50 m NW of the FPL boat ramp.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

Explain: Raw,thickened,necrotic epidermis;swollen face,flippers,kidneys,liver;cold stress lesions;dry,hard feces;bloody kidneys,lungs;dark line kidneys;rel empty GI; congestion;discolored GI mucosa;serous fats,

PHOTOGRAPHS TAKEN: dorsal, ventral, lateral, scars, fluke

MATERIALS COLLECTED:

histology, genetics, earbone, ELISA toxicology samples, feces for Janet Lanyon, histology.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

partial measurements, histology report, rescue report.

REMARKS:

PIT tag scan negative. See rescue report REC1102. Rescued on 09 Jan 2011 and died between 1430 and 1500 hrs.

Tissue	
Organ	
Scar	
Bacteria	
Page 1&2	26 APR 12
NecrReport	26 APR 12
Lat/Long	26 APR 12



Assist. & Rel

## Rescue Report

*Entered  
3/1/11  
SS*

*Human  
Other  
(Relocation  
Lock Repair)*

### GENERAL:

Date of Rescue: <sup>10</sup> 09 January 2011	Date of Initial Call: N/A	Filed by: A. Spellman
Rescue ID#: REC1103	Facility ID: SWFTm1102	FWC Case:
Sex: Male	Length: 303	Estimated: No <u>6.36 kg</u>
PIT Tag Applied: Yes	PIT Tag Present: No	#R 00-06E7-8642
L 00-06DF-3AAC		
LOCATION:		
State: FL	City: Cape Canaveral	County: Brevard
Waterway: Port Canaveral Inlet		
Latitude (Decimal Degrees): 28.409184°N		Longitude (Decimal Degrees): -080.638096°W
Locality Description: Port Canaveral Lock Chamber		
Method of Capture: Net set from boat		

### REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Lock project extraction and relocation

### Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

### Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook           |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy           |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap           |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify |

**Location of Entanglement:**

**If Crab Pot:**

Float#:

Color:

Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☒ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
09 January 2011 1410 hrs	<p>The following rescue is part of a manatee extraction and relocation procedure necessary during the ACE Port Canaveral manatee protection device repairs conducted at the locks during the winter of 2011.</p> <p>While making a site visit to the locks, FWC- biologist A. Spellman noticed a manatee swimming from the draw bridge east of the locks towards the east gates. ACS immediately alerted lock tender T. Holem. T. Holem immediately opened the east gates and the manatee swam in. The locks were then closed and a rescue call was initiated and plans for an extraction were confirmed for the following day. FWC staff photographed and assessed the manatee before leaving. It appeared to be an adult in good shape and healthy.</p>
10 January 2011	<p>ACS along with FWC-biologist M. Lizotte (MEL) volunteers J. Ludema (JEL), and L. Cross (LJC) responded to the site and located the manatee in the southwest corner. ACS contacted SeaWorld to confirm a visual of the animal and SWF dispatched a rescue crew. FWC-biologist C. Rush (CNR) and FWC-helicopter pilot G. Waldeck flew the port area to see if any other manatees were nearby. ACS advised the in-water contacted personnel that during the rescue all in-water activities in the chamber needed to stop for the duration of the rescue. LJC launched a smaller boat used to make sure that the manatee did not leave the chamber when the gates were open to let the larger rescue boat in. Sea-2-Shore manatee biologist M. Ross joined the crew to assist with keeping track of</p>

## Rescue Report

the manatee in the chamber and to train staff in use of the ultrasound equipment. Lock tenders- M. Mannhardt and T. Holem assisted by keeping watch on the east end of the structure. With FWC's team on the structure as well as in the water, the manatee was encouraged to stay at the west end of the chamber. At one point, upon seeing the SWF boat approach the outside of the east gate, one of the lock tenders started to open the locks prematurely. ACS quickly instructed him to close it and not open it until the manatee was at the west end and the instructions to open the lock had been given. This impromptu opening caused the manatee to swim back to the east end and right up to the gate so swimmers had to deployed to herd the manatee back to the west end. Once this was accomplished both the smaller boat and the SWF rescue boat were let into the chamber. The smaller boat was asked to rev its engine and make noise to deter the manatee from returning to the gate as the rescue boat entered.

Once the boats were in, SWF used the manatee's tendency to hang around the east gates as a means to capture it. More than one set was necessary to catch the manatee. On the third set the manatee was pulled into the rescue vessel. It was secured and immediately taken back out of the locks and to the boat ramp. The smaller boat followed the rescue vessel to the ramp so that in the event it needed to drop a few rescuers into the water there was a way to pick them up quickly. ACS advised the contractors they could resume in-water operations in the chamber on the west end.

The manatee was quickly transferred into a transport van. Its condition was assessed and the manatee, having been deemed healthy, was taken a short distance to the Banana River. A SWF veterinarian was advised of the decision by SWF staff on site. Before release the manatee was PIT tagged, ultra sounded and photo-documented, then released into a small cove just south of the locks on the west side.

### Participants

FWC: A. Spellman, C. Rush, M. Lizotte, L. Cross, J. Ludema, Pilot: Lt. G. Waldeck

SWF: (PIC) J. Peterson

ACE: M. Mannhardt, T. Holem

REC1103

Attachments: map

Photographs: FWC020\_2011\_01\_09:8749-8755 and FWC020\_2011\_01\_10:8756-8876

cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM-C. Knox, R. Wagoner-SWF, ACE



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

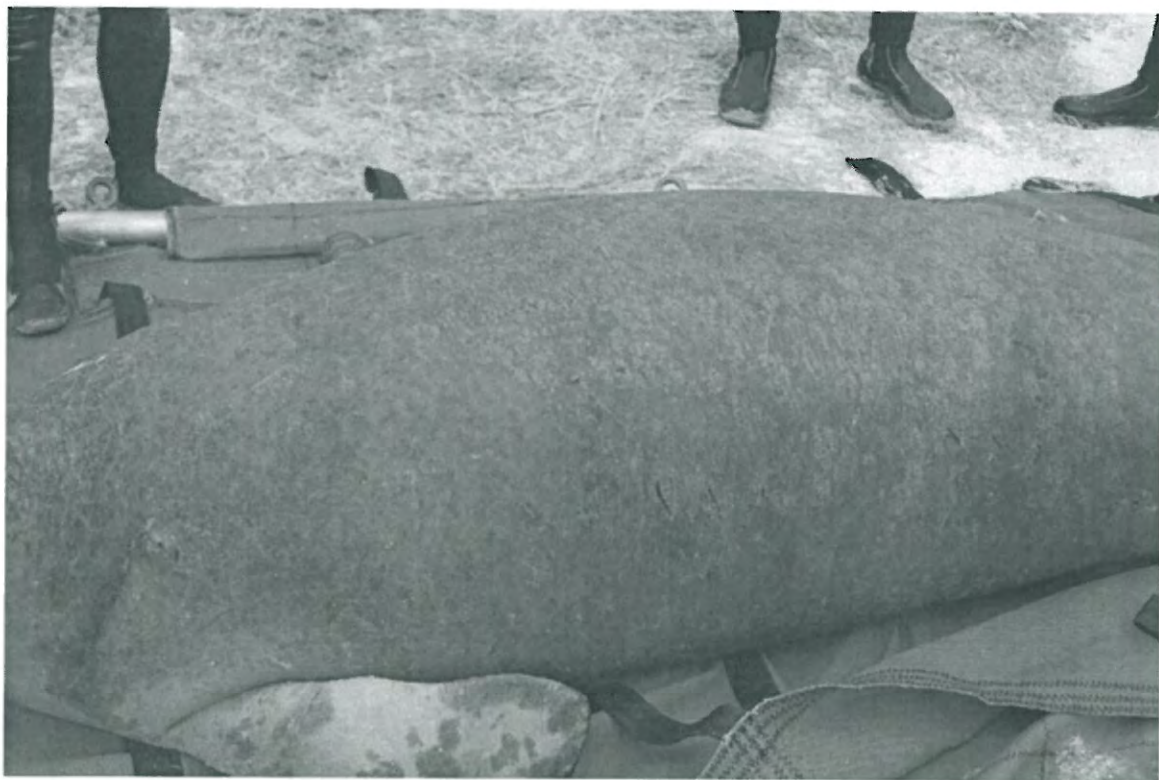
**DATE:** 01 March 2011

**SUBJECT:** The extraction and relocation of an adult, male manatee from the Port  
Canaveral Lock chamber on 10 January 2011 (**REC1103/SWFTm1102**).

The attached rescue report for **REC1103** includes:

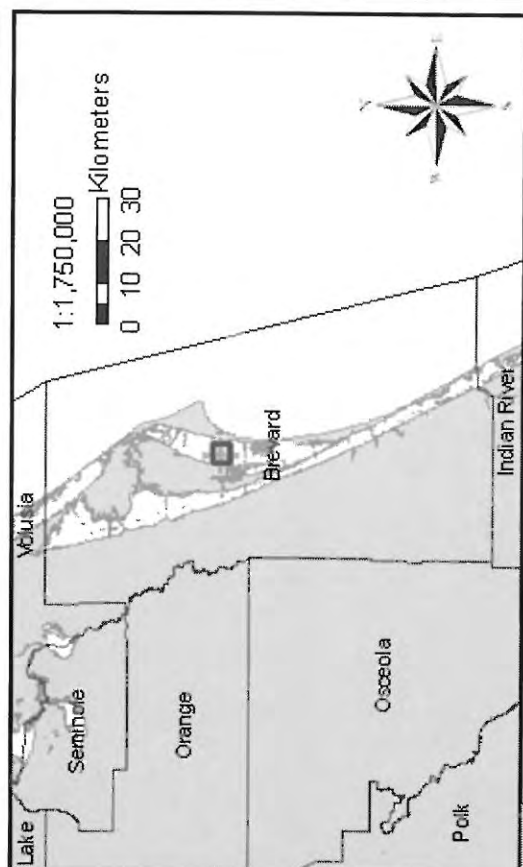
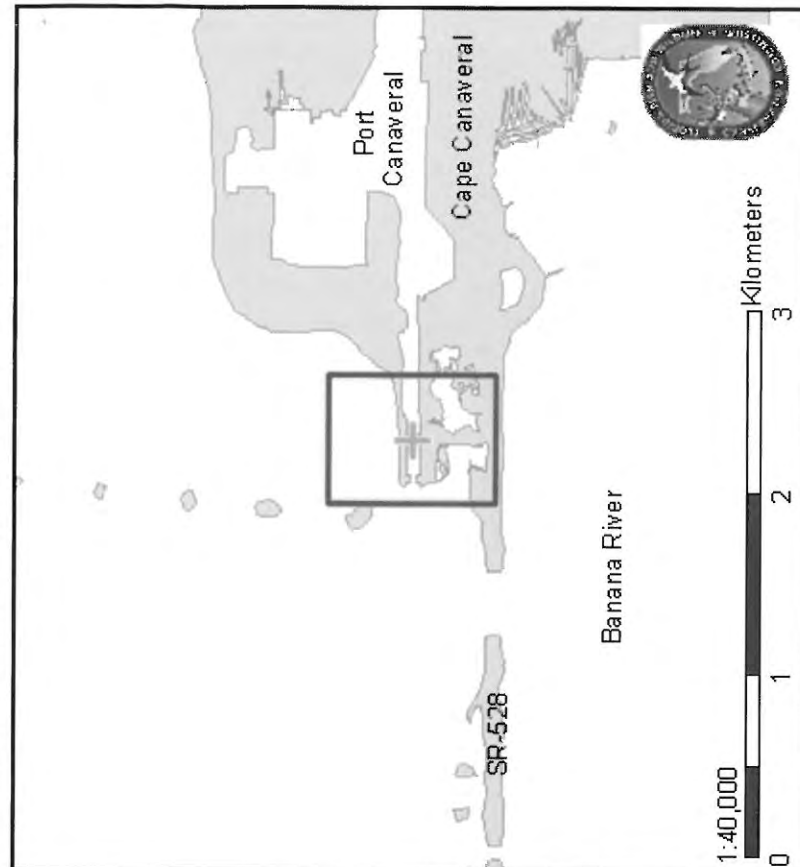
- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data





SWFM11026  
REC1103

# Verified Rescue Location of Manatee REC1103/SWFTm1102b



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECDBY	MAPBY
9	1	2011	REC1103	28.409184	-80.638096	1/10/2011	FWC, SWF	CIIR



**Manatee Information (MLog:1245 )**Animal ID:**SWFTm1102B** Sex:**M** Name: Rearing:**Wild reared****-- Rescue Information -----****Rescue Date:** 01/10/2011 **Rescue Per Day:** 1**Rescue Type:** Assist and releaseREC1103**Primary Cause:** Entrapment Flood Gates/Locks**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Unknown**Suspected Pregnant:** Animal sex is male or unknown**-- Rescue Location Information -----****State:** FL **County:** Brevard **City:** Cape Canaveral**Waterway:** Port Canaveral**Latitude:** 28.409184 **Longitude:** -80.638096**Relocated, where?:** Outside the west gate of the locks in the Banana River**Did animal die during rescue or transport?:** No**-- Measurement -----****Weight (kg):** 636 **Estimated Weight?:** Yes **Date Weighed:** 01/10/2011**Length (cm):** 303 **Estimated Length?:** No **Date Measured:** 01/10/2011**-- Other Rescue Information -----****Tracker:** None **Transporter:****Facility transported to:****Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Flood Gate:** **Pot Status:**

**Additional Narrative:** Animal was trapped in the Canaveral Locks since the locks (west gate) is done for repairs, the animal could not get passage from the port side to the river side. Captured animal and relocated to the river side just around the corner of the west gate, animal was pit tagged.

**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 01/13/2011**Updated By:** D **Updated Date:** 01/13/2011

**Manatee Information (MLog:1245 )**Animal ID:**SWFTm1102B** Sex:**M** Name: Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 01/10/2011    **Tag ID** 0006DF3AAC**Tag ID** 0006DF3AAC**Information:** Pit tagged in the left shoulder area.**Event:** Rescue    **Event Date** 01/10/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 01/13/2011**Updated By:** D    **Updated Date:** 01/13/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 01/10/2011    **Tag ID** 0006E78642**Tag ID** 0006E78642**Information:** Pit tagged in the right shoulder area.**Event:** Rescue    **Event Date** 01/10/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 01/13/2011**Updated By:** D    **Updated Date:** 01/13/2011



Res / Rd  
Natural / Cold Street  
2/7/12

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
13 January 2011, at 1345 hrs:	<p>FWC-biologist Christine N. Rush (CNR) and FWC-volunteer Jackie E. Ludema (JEL) responded to a text from FWC-dispatch Orlando regarding a manatee in distress in Indialantic. FWC-case number 0391 was assigned. The complainant, Stephanie Law (321-723-8054), saw a manatee in a lot of muck, breathing rapidly in a canal near her house. CNR and JEL timed the respirations at every 25 to 30 seconds, but since the manatee was in so much mud, it was impossible to assess the body condition. CNR felt that the manatee needed to be pulled due to the behavior she was seeing and the location. CNR contacted FWC-biologist Andy W. Garrett (AWG) and explained the situation to him. AWG agreed with CNR's assessment to pull the manatee. CNR contacted SeaWorld- Bob Wagoner (BW) to inform him of the situation and got authorization to bring the rescued manatee to their facility. CNR contacted FWC-biologist Ann C. Spellman (ACS) to inform her of the situation and requested that she see if any staff from the ECFL fish crew was available to assist. ACS and CNR were able to pull enough staff together, and then brought the necessary rescue supplies and transport vehicle to the scene.</p> <p>While awaiting the rest of the crew's arrival, CNR photographed the manatee in the mud. The manatee actually moved even further into the mud, to the point of almost no standing water on top of the mud. The manatee sounded congested and continued to breathe every 30 seconds. As soon as everyone was on scene, the manatee was hoop netted out of the mud, over the sea wall. The manatee</p>

## Rescue Report

was rinsed off with warm water, and loaded into the back of the FIM's suburban. CNR contacted BW to inform him the manatee was rescued and en route. On the way to SeaWorld, ACS noticed something in the manatee's mouth and began to remove small pieces of the foreign material. CNR, JEL, and ACS transported the manatee to SeaWorld, arriving at 1845 hrs. Just before tubing the manatee, a larger clump of woven plastic or nylon was found in the manatee's mouth.

### Participants:

FWC: CNR, JEL, ACS, Bill Habich, Kelly O'Donnell, Sara Mitchell

**Total time: 8 hrs**

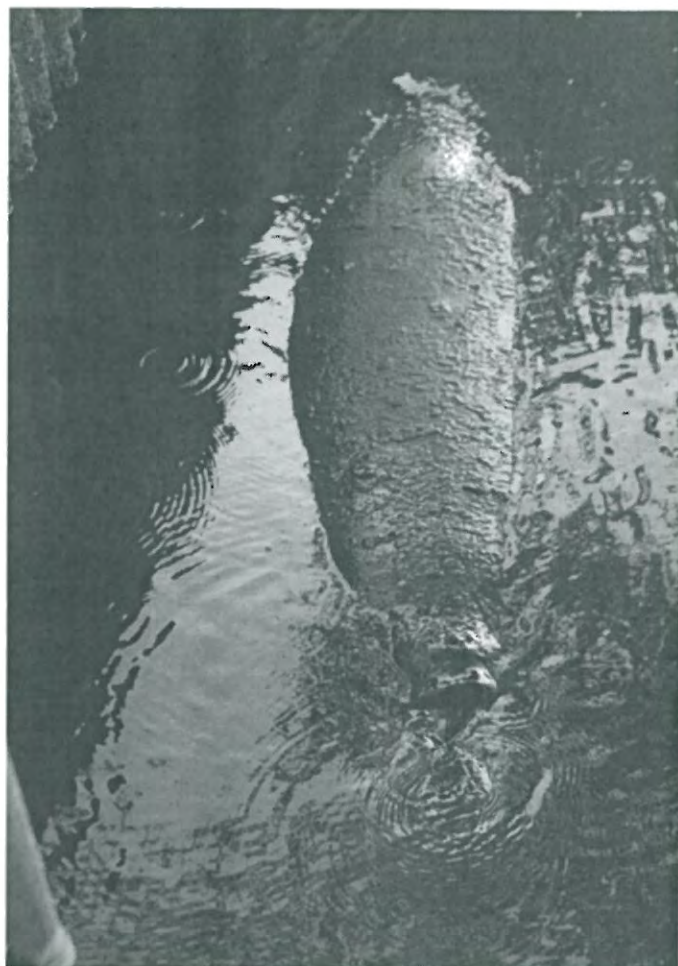
**REC1104**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS







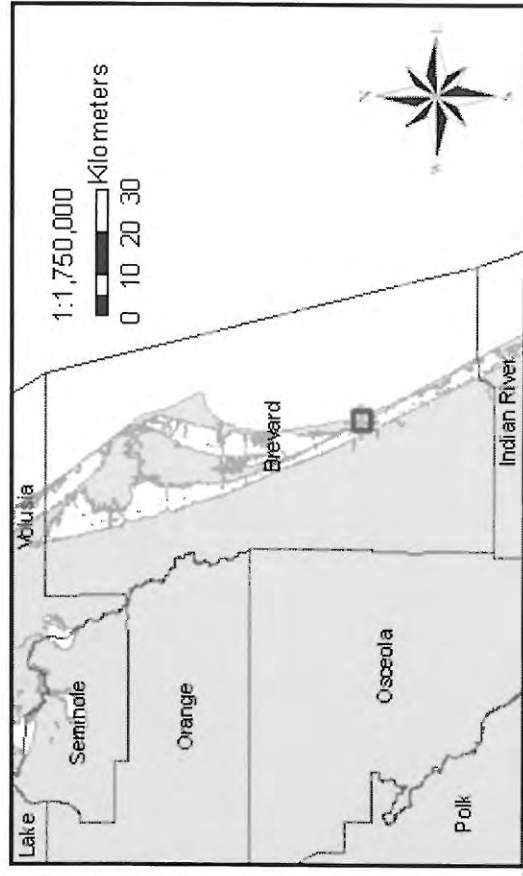
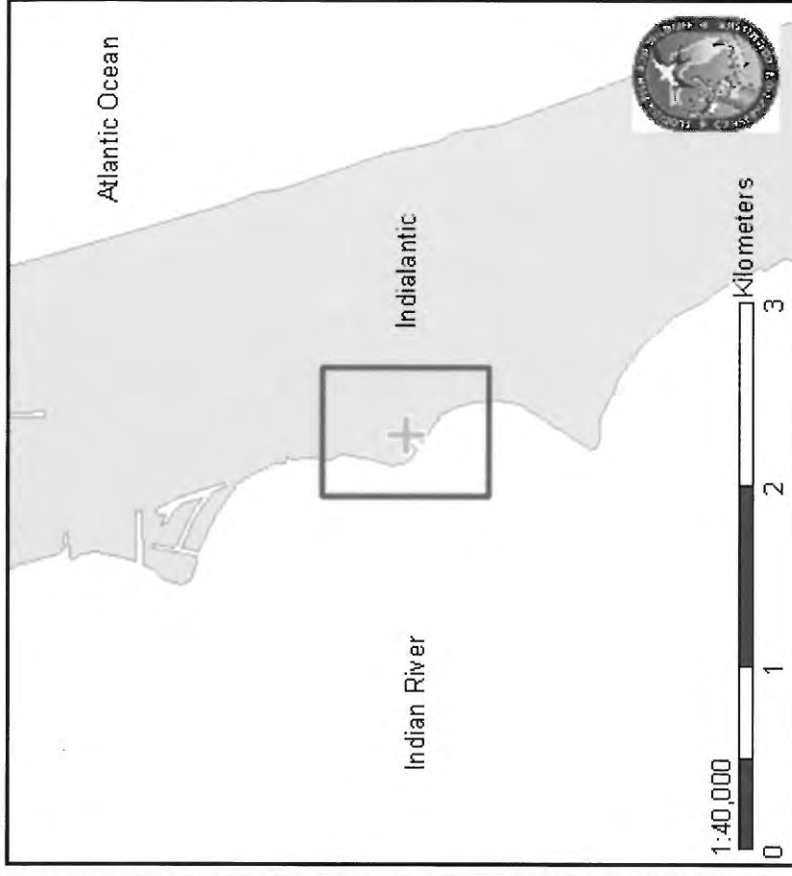
SWFTH11032  
REC1104



# Verified Rescue Location of Manatee REC1104/SWFTm1103b



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
13	1	2011	REC-1104	28.108391	-80.5849	1/13/2011	FWC	CIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 16 March 2011

**SUBJECT:** The rescue of a cold-stressed manatee stuck in the mud from Indian River on 13 January 2011 (REC1104/SWFTm1103b).

The attached rescue report for **REC1104** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
3/15/11  
DJS

# **Manatee Information (MLog:1254 )**

Animal ID: **SWFTm1103B** Sex: **M** Name: Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 01/13/2011 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress

**Primary Cause Text:**

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Guarded

**Suspected Pregnant:** Animal sex is male or unknown

REC1104

## -- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Indialantic

**Waterway:** Indian River

**Latitude:** 28.108391 **Longitude:** -80.584900

**Relocated, where?:**

**Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 218 **Estimated Weight?:** No **Date Weighed:** 01/14/2011

**Length (cm):** 208 **Estimated Length?:** No **Date Measured:** 01/14/2011

## -- Other Rescue Information -----

**Tracker:** **Transporter:** FWC Indian River Field Station

**Facility transported to:** SeaWorld Florida

**Veterinarian:** Kathy Heym **Organization:** SeaWorld Florida

**Participating Org:** FWC-Indian River Field Lab SWF

**Flood Gate:** **Pot Status:**

**Additional Narrative:**

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 02/14/2011

**Updated By:** D **Updated Date:** 02/14/2011

**Manatee Information (MLog:1254 )**Animal ID:**SWFTm1103B** Sex:**M** Name:**Mud Puppy** Rearing:**Wild reared**

## --- Tag Information ---

**Tag Type:** Pit Tag Left **Date Applied:** 07/07/2011 **Tag ID** 0006EE4569**Tag ID** 0006EE4569**Information:** Pit tagged in left shoulder area with #0006EE4569 for future release.**Event:** Rescue **Event Date** 01/13/2011

## --- Report Information ---

**Created By:** Bob Wagoner **Created Date:** 08/01/2011**Updated By:** D **Updated Date:** 08/01/2011

*Entered  
Captures  
+  
PIT  
2/1/11  
DJS*

## --- Tag Information ---

**Tag Type:** Pit Tag Right **Date Applied:** 07/07/2011 **Tag ID** 0006EE295E**Tag ID** 0006EE295E**Information:** Pit tagged in right shoulder area with #0006EE295E for future release.**Event:** Rescue **Event Date** 01/13/2011

## --- Report Information ---

**Created By:** Bob Wagoner **Created Date:** 08/01/2011**Updated By:** D **Updated Date:** 08/01/2011



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## Manatee rescued from Brevard canal

Updated: Thursday, 13 Jan 2011, 8:56 PM EST  
Published: Thursday, 13 Jan 2011, 8:56 PM EST

INDIALANTIC, Fla. (WOFL FOX 35) - Experts from the Florida Fish and Wildlife Commission on Thursday brought a 7-foot, male manatee to SeaWorld's rehabilitation facility.

The manatee, about 3 years old, was spotted by a concerned resident in Indialantic. The young manatee was stuck in a muddy canal and if not for the resident and FWC's team, he may not have survived the cold night. He was unable to move to warmer waters.

At SeaWorld, the manatee was given antibiotics and fluids. Officials said he will be watched closely and when healthy, the team will return him to the wild.

- SeaWorld caring for rescued manatee
- Boaters urges to watch out for manatees

### Cold December adds to manatee death toll

The cold weather in December and early 2010

contributed to a high number of manatee deaths.

The FWC's Fish and Wildlife Research Institute (FWRI) says the unusually cold weather in 2010 contributed to the number of manatee deaths for the year being more than double the yearly average of the past five years.

Biologists documented 767 manatee carcasses in state waters in 2010.

Cold-stress category accounting for 279 documented cases and of these cold-related deaths, 244 occurred in the early part of the year and 35 occurred in December. Wildlife officials also say cold stress contributed to the deaths of 21 of the 96 manatees in the perinatal or newborn category and it is likely the cold temperatures contributed to many of the 214 deaths in the undetermined category and the 68 deaths in the unrecovered category.

To learn more about manatee conservation, go to MyFWC.com/Manatee

To view the 2010 preliminary mortality numbers as well as a Web article detailing the cold-related manatee die-off in early 2010, visit <http://research.MyFWC.com/manatee> and click on Manatee Mortality Statistics.

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SWF11 038

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## OrlandoSentinel.com

### SeaWorld 'optimistic' about 480-pound, cold-stressed manatee rescued from a muddy canal

**'The manatee's condition remains guarded, but SeaWorld vets are optimistic,' a park spokesman said in a statement.**

By Jeff Weiner, Orlando Sentinel

3:10 PM EST, January 14, 2011

Veterinarians with SeaWorld Orlando are optimistic about the condition of a 480-pound manatee that was rescued from a muddy canal in Brevard County on Thursday, a park spokesman said today.

SeaWorld's manatee experts did a thorough health check on the 7-foot-long sea cow today, including taking blood samples and testing for bacterial infections and hydration.

The team also used a tube to ensure the 3-year-old manatee has enough fluids.

"The manatee's condition remains guarded, but SeaWorld vets are optimistic – the young manatee began eating quickly once he arrived and that's usually a good sign," spokesman Nick Gollattscheck said in a statement.

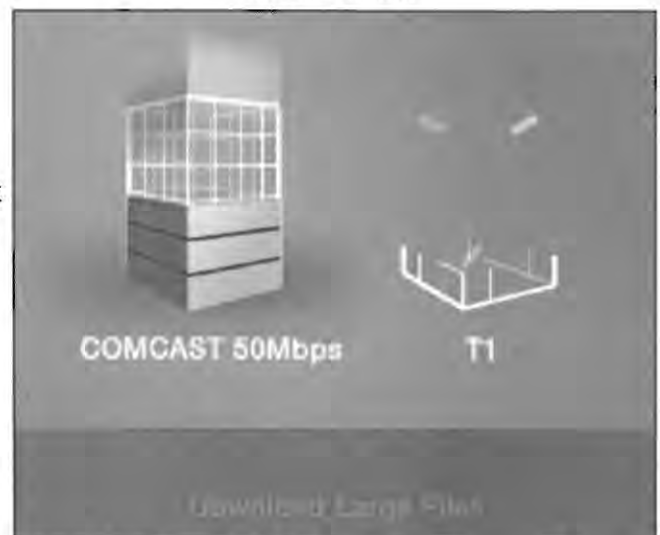
Experts from the Florida Fish and Wildlife Conservation Commission brought the male manatee to SeaWorld about 5:30 p.m. Thursday after a resident in Indialantic reported the animal got stuck in cold waters.

Experts will continue to monitor the animal's health. After it is deemed to be healthy, SeaWorld experts will work with the Florida Fish and Wildlife Conservation Commission to determine when the manatee can be returned to the wild.

***Jeff Weiner can be reached at 407-420-5171, [jeweiner@orlandosentinel.com](mailto:jeweiner@orlandosentinel.com) or @OSNightCops on Twitter.***

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SWFMI103B  
REC1104

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SWFTM1103B  
REC1104

January 14, 2011

## Biologists optimistic rescued manatee will survive

BY ANDREW KNAPP  
FLORIDA TODAY

SeaWorld biologists were optimistic Friday that a 3-year-old manatee found keeping itself warm in the mud of an Indian Atlantic canal would survive.

Stephanie Law, an area resident, reported to state officials Thursday that a manatee was suffering from "cold stress," unable to find its way to warmer water. Law said it was rare to see a manatee so far into canal, which hadn't been dredged in years.

The water's temperature was measured at 60 degrees, but the mud was 74 degrees.

"I watched him for hours while the team was put together to get him out," Law said. "He was burying himself in the mud to stay warm."

Workers from the Florida Fish and Wildlife Conservation Commission used netting to remove the sea cow, which was transported to SeaWorld Orlando's rehabilitation facility later in the day.

Biologists fed the 7-foot-long, 480-pound male through a tube. They also took blood samples and checked for bacterial infections.

"The young manatee began eating quickly once he arrived," SeaWorld spokesman Nick Gollattscheck said in a statement. "That's usually a good sign."

Experts listed the marine mammal's condition as "guarded," but they were hopeful that it would recover.

What's next?

"Lots of TLC," Gollattscheck said. "He'll be watched and fed carefully. Once healthy, the SeaWorld team will work with FWC to determine when the manatee can be returned to the wild."

It was the third manatee that the SeaWorld team rescued from cold water this year.

In 2010, 279 manatees died of cold stress. Ninety of those died in Brevard County, which experienced its fifth-coldest winter on record last year. Factoring in all causes, 767 manatees died last year, with 185 of them in Brevard.

---

Contact Knapp at 321-242-3669 or [aknapp@floridatoday.com](mailto:aknapp@floridatoday.com).

### *Additional Facts*

*YouTube video*



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Tuesday, February 07, 2012 12:55 PM  
**To:** Cathy A Beck; Szemer, Donna  
**Subject:** Releases of Mudd Puppy at Berkeley today

MuddPuppy

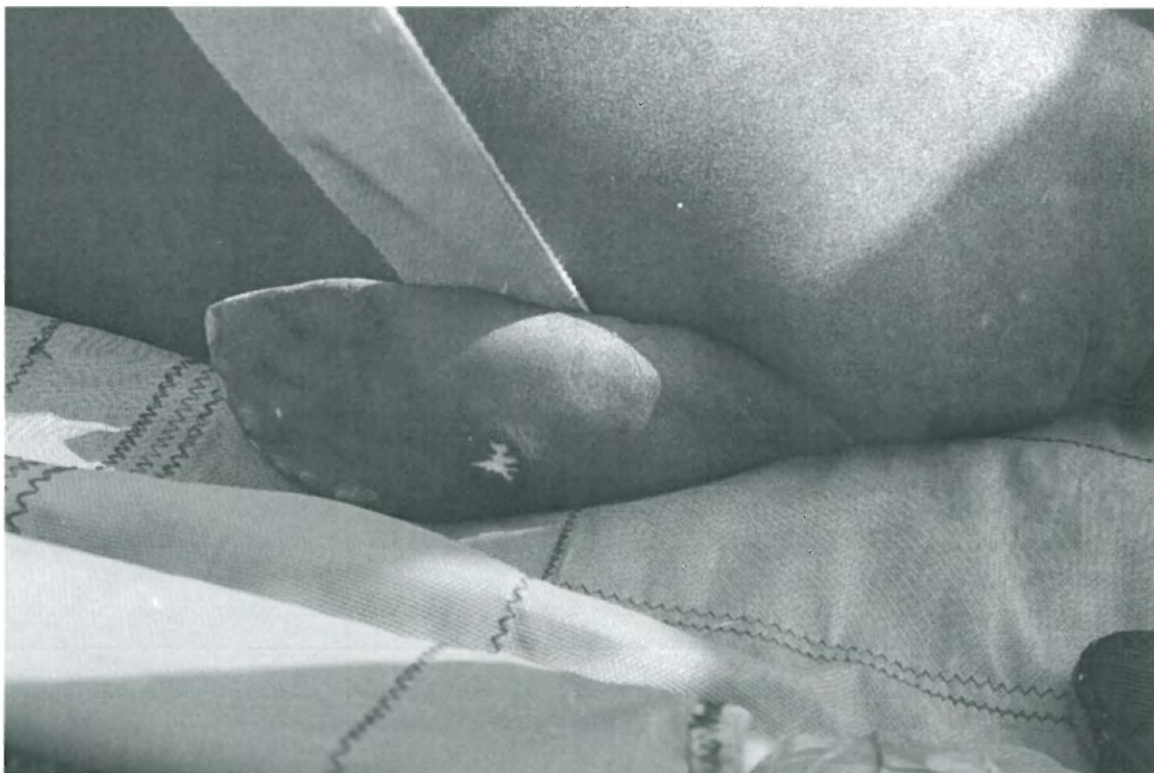
REC1104/SWFTm1103b rescued from mud in Indialantic for CSS on 13 Jan 11 Male, 245cm, 765#  
R: 00-06EE-295F L: 00-06EE-4569  
Photos attached

*Entered  
3/8/12  
DJS*

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission  
Indian River Field Lab  
1220 Prospect Ave., Ste 285  
Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)



SWFM 1103B  
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## SeaWorld releases 2 manatees into Banana River



Mud Puppy - SWFTM1103B

Bodacious - SWFTM1111B

Last Updated: Wednesday, February 08, 2012 7:50 AM

8

**SATELLITE BEACH** – Tuesday morning SeaWorld Orlando's animal care team traveled to Satellite Beach, a warm-water site, to release two manatees into a side canal off of the Banana River.

Both animals were rescued and transported to SeaWorld Orlando last winter by the Florida Fish & Wildlife Conservation Commission, who was also on-site assisting with release.

Mud Puppy, a 765-pound manatee, was rescued from the Indian River in Indialantic in January 2011. Bodacious, an 800-pound manatee was rescued from the San Sebastian River in Sebastian, Fla. in February of 2011. Both were rescued due to cold stress.

During their first week at SeaWorld Orlando, the animals received supportive care with antibiotic treatments and were tube-fed fluids to keep them hydrated. During the rest of their rehabilitation, the manatees were well fed and monitored until their release.

Both animals were tagged with transponders by the FWC, who will continue to monitor them. Should they need to be rescued again, they will have a way to identify each animal. SeaWorld's animal care team states that the animals are healthy and active, and that the release was successful.

For 45 years, SeaWorld Parks & Entertainment has helped animals in need -- ill, injured and orphaned. More than 20,000 animals have been rescued by our experts. SeaWorld's animal rescue team is on call 24 hours a day, 7 days a week. Last year alone, SeaWorld rescued 19 and released 16 manatees.



# Rescue Report

## GENERAL:

Date of Rescue: 15 January 2011 Date of Initial Call: 14 January 2011 Filed by: A. Spellman  
Rescue ID#: REC1105 Facility ID: SWFTm1104B FWC Case: N/A Officer Name: N/A  
Sex: Female Length: 210 Estimated: No 173 kg L "Whezy"  
PIT Tag Applied: No PIT Tag Present: No #R  
LOCATION: Banana River  
State: FL City: Satellite Beach County: Brevard Waterway: (Desoto Canal)  
Latitude (Decimal Degrees): 28.163593°N Longitude (Decimal Degrees): -080.603021°W  
Locality Description: In canal/ditch behind Desoto Lane  
Method of Capture: Walked net around manatee

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_ cm

Comments:

Gear Retained? ☒ Y ☐ N



# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
14 January 2011 1100h	<p>While assessing manatees at a known warm water site in Satellite Beach, Brevard County, FWC-biologist A. Spellman (ACS) noticed one animal in particular that appeared to be in worse shape than the rest. The manatee, a sub-adult nicknamed "Chillie", had been documented in the canal since early December and was on ECFL staff's "Manatees to Watch List". ACS noticed a change in the manatee's respiratory rate and sounds from the previous assessment conducted only two days earlier. The manatee sounded raspy and congested and was staying close to the shore with little movement. It was covered in cold stress lesions and looked thin.</p> <p>ACS contacted fellow ECFL biologists C. Rush (CNR) and M. Lizotte (MEL) who were at Blue Spring attempting to catch another manatee in distress. The Blue Spring animal proved to be too mobile and elusive so ACS asked staff to return to Brevard to assist with the rescue in Desoto. Additional trained volunteers J. Ludema and L. Cross were called in along with staff from the ECFL- FIM crew and a hoop net was brought to the site. Staff patiently waited for the manatee to take position parallel to the shore in hopes of hoop netting it. The first and only attempt was unsuccessful and the manatee swam out into the main canal and then into the Grand Canal. ACS asked all available staff to be available if possible to help make another attempt the following morning if the manatee returned.</p>

## Rescue Report

15 January 2011  
0800h

ACS arrived at the site along with CNR, MEL and the trained volunteers from the previous day including the FWC-FIM staff. The manatee in question was present along with several dozen other manatees. After watching and encouraging the cold stressed manatee to move away from the others several times and establishing the manatee's tendency to swim out and back to the group when disturbed, ECFL staff decided to try and work the manatee towards the south end of the canal and herd it into a hand net that was pre-set across the canal. Staff was instructed to let any animals that were not the one in question out by lifting up on the net at both ends to avoid catching multiple animals at once.

The manatee in question started to move at the prompting of CNR using a PVC pole to disturb it slightly. It and another larger manatee swam to the south end of the canal. Due to their proximity to each other the net was lifted and both swam under. The manatee in question however, swam to the bend in the canal where there is a noticeable change in water temperature and turned back around. Staff quickly adjusted the net and as the manatee swam back north, they were able to surround it and bag it in the net successfully. The manatee was quickly worked over to the east bank, transferred into a stretcher and lifted onto the shore. The net was worked free and the manatee was loaded into a suitable, borrowed truck from the FIM crew. ACS, CNR and JEL transported the manatee to SWF.

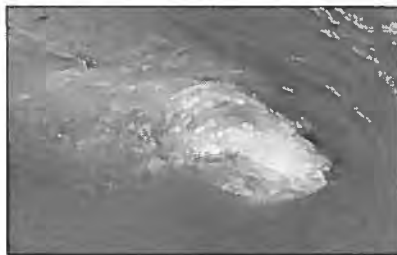
### Participants

REC1105/SWFTm1104

Attachments: map

Photographs: FWC020\_2011\_01\_15:9842-52

Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 01 March 2011

**SUBJECT:** The rescue of a cold stressed, sub-adult female manatee from the Desoto Canal in Satellite Beach on 15 January 2011 (**REC1105/SWFTm1104B**).

The attached rescue report for **REC1105** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

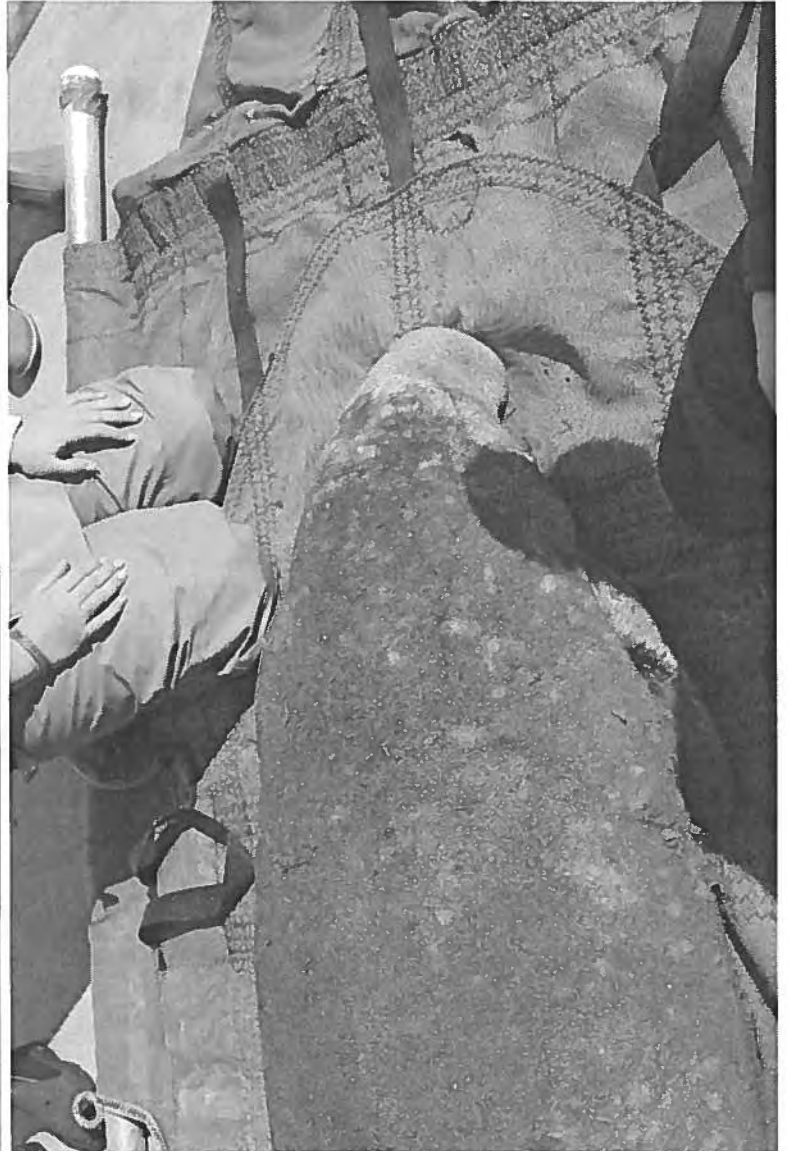


SWFTM11  
REC1105

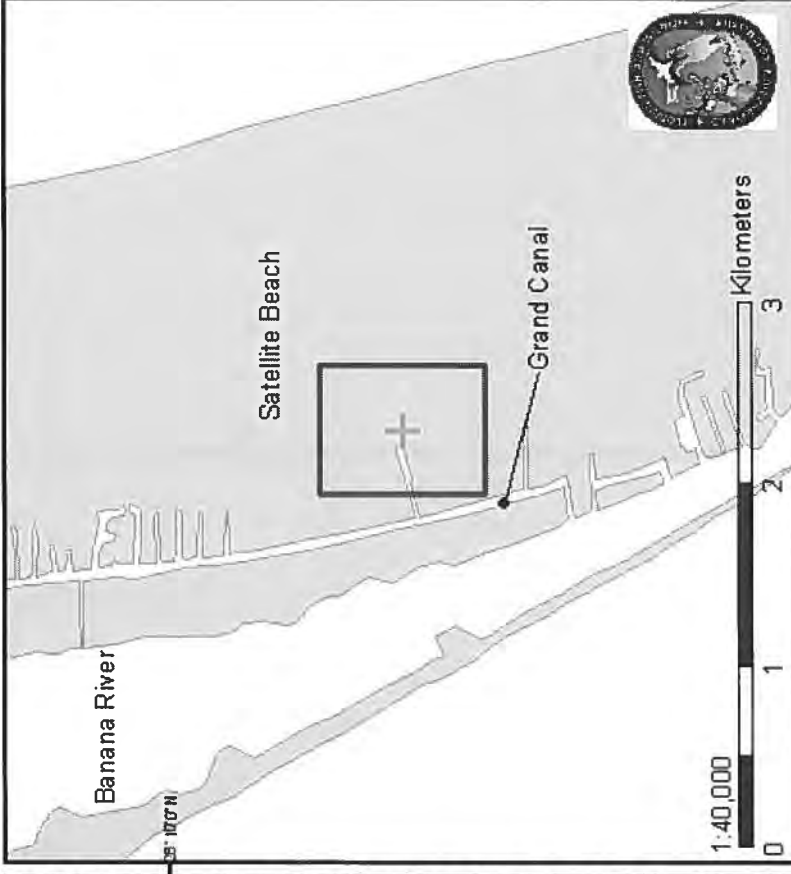




REC1105



Verified Recovery Location of Manatee Carcass REC1105



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
14	1	2011	REC1105	28.163593	-80.603021	1/15/2011	ECFL-FIML C	MEL





SEVERE WEATHER EXPERTS

only on  
bright house  
NETWORKS

Jan 18 8:56:46 AM Temp: 63°

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Visibility less than 1/2 mile in many areas of Central Florida.

## Another manatee receives care at SeaWorld



For the second time in as many days, Fish and Wildlife Commission biologists have rescued an ill manatee and brought it to SeaWorld for care and rehabilitation.

Last Updated: Saturday, January 15, 2011 9:21 PM

**ORLANDO**--For the second time in as many days, Fish and Wildlife Commission biologists have rescued an ill manatee and brought it to SeaWorld for care and rehabilitation.

On Saturday, a female manatee, three to four years old, weighing about 380 lbs and nearly seven feet long, is resting at SeaWorld under the watchful eye of the park's animal experts.

FWC had been monitoring the manatee since November and today determined that she needed to be brought in for evaluation due to her shallow breathing and raspy sounds, possibly from cold-stress.

She was rescued by FWC in the Desoto Canal, in Satellite Beach near the Banana River.

SeaWorld vet, Dr. Lara Croft, took blood samples and the manatee was put into an 80-degree pool with another recently rescued cold-stress manatee.

For now, the manatee's condition is guarded.

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Murder arrest

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### Columbus Zoo Ships Three Young Rehabilitated Manatees Back to Florida

Sun, 11/6/2011 - 9:42 AM

By Patty Peters



Powell, OH - Three young rehabilitated manatees have been taken back to Florida and three new manatees in need of extra tender loving care are now being cared for by the animal experts at the Columbus Zoo and

Aquarium. The moves, which occurred on Nov. 2, are part of the Zoo's participation in the U.S. Fish and Wildlife Service's Manatee Rescue and Rehabilitation Program.

Hamilton, Tippecanoe and Bernice return to Florida

Hamilton, Tippecanoe and Bernice were flown to Florida yesterday and will remain in the care of manatee experts at Tampa's Lowry Park Zoo (Hamilton) and Miami Seaquarium (Tippecanoe and Bernice) until their release near the areas where they were found.

The release of Hamilton and Bernice will occur in late winter and both animals will be outfitted with satellite tracking devices to continue to monitor their health and well-being. Their movements will be tracked as part of the Columbus Zoo's participation in the Manatee Rehabilitation Partnership. Because Tippecanoe has more experience in the wild, including a winter on his own, he will be released early this winter.

Three-year-old Hamilton was rescued on Feb. 21, 2010 in Citrus County's Crystal River after being hit by a boat propeller. Apparently orphaned, he was observed trying to nurse from other manatees. Hamilton arrived at the Columbus Zoo on Apr. 6, 2010 weighing about 240 pounds and is now more than 650 pounds.

Tippecanoe was estimated to be one-and-a-half years of age when he was rescued on Mar. 16, 2010 in Tippecanoe Bay near Port Charlotte. Like many manatees who suffered from cold stress due to prolonged, record low temperatures in Florida that winter, Tippecanoe was exhibiting lethargic behavior and had lesions that caused him to shed much of his epidermis. Tippecanoe arrived at the Columbus Zoo on Apr. 6, 2010 weighing about 380 pounds and is now more than 700 pounds.

Bernice was an orphan heading precariously out to sea when she was rescued on Jan. 5, 2010 at Sebastian Inlet on the east coast of Florida. Probably less than a year old and suffering from cold stress, she was just 280 pounds. Bernice came to the Columbus Zoo on Nov. 3, 2010 and has gained almost 500 pounds since her arrival.

Pixie, Wheezy and Woodstock arrive in Central Ohio

Stubby, a 16-year-old female who remains at the Zoo's Manatee Coast, will not be alone in the 300,000-gallon pool for long. Three new manatees came from Florida on the return flight and are currently in the observation pool. It is expected they will be introduced to Stubby and Zoo visitors within the next few days.

The new manatees are Pixie, Wheezy and Woodstock and they are coming from SeaWorld Orlando and Miami Seaquarium.



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Pixie is the smallest manatee ever to come to the Columbus Zoo for rehabilitation. She was rescued on Jul. 24, 2010 after being spotted alone in shallow water near Daytona. She was estimated to be just a few weeks old and only 42 pounds when she was taken to SeaWorld Orlando. Pixie is now 125 pounds and is still being bottle-fed.

Wheezy was suffering from the effects of cold stress when she was rescued on Jan. 15, 2011. She was one of three manatees rescued from the Desoto Canal in Satellite Beach last winter. Wheezy is about 505 pounds.

Woodstock and her mother were victims of cold stress when they were rescued near the southwest coast of Florida on Jan. 7, 2011. Woodstock was orphaned when her mother did not survive. She now weighs 420 pounds.

### Manatee conservation

The Columbus Zoo and Aquarium supports field conservation projects for three of four living species of manatees through its Conservation Fund. Providing grants to researchers on three continents (North America, South America and Africa), the Zoo contributes to rescue and rehabilitation in Florida, environmental education focused on the Amazonian manatee in Colombia, and critical population surveys for the least known species – the West African manatee.

The Columbus Zoo and Aquarium was the first program partner outside of the state of Florida and one of only two facilities outside of Florida to care for manatees. More information about the program is available from the Florida Fish and Wildlife Conservation Commission ([www.myfwc.com/manatee](http://www.myfwc.com/manatee)).

The Columbus Zoo and Aquarium is home to more than 9,000 animals representing 675 species and provides more than \$1 million annually to support over 70 conservation projects worldwide. A recreational and education destination that includes the 22-acre Zoombezi Bay water park and 18-hole Safari Golf Club, the Columbus Zoo and Aquarium hosts more than two million visitors annually and was named the #1 Zoo in America by USA Travel Guide. A 501(c)(3) nonprofit organization, the Columbus Zoo has earned Charity Navigator's prestigious 4-star rating. For more information and to purchase advance Zoo admission tickets, visit [www.columbuszoo.org](http://www.columbuszoo.org).

To view Columbus Zoo's web page on Zoo and Aquarium Visitor News, go to: [http://www.zandavisitor.com/forumtopicdetail-20-Columbus\\_Zoo\\_and\\_Aquarium](http://www.zandavisitor.com/forumtopicdetail-20-Columbus_Zoo_and_Aquarium)



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**the Elephant Sanctuary**  
in Tennessee



[www.elephants.com](http://www.elephants.com)



**Zoo and Aquarium Visitor,**  
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travel specialists.

MSQ

## S2S MANATEE CAPTURE AND ASSESSMENT FORM

Released btw 1<sup>st</sup> pole + 2nd sign by Plant

Field ID TBC105 Location Indian River, FEL outflow area # capture attempts —  
 Name Wheezy Sex F Lat/Long 282830 804559 ramp 1st set time —  
 Freeze brand ID — dur. — Water Temperature 24 On boat time —  
 Date W 12-26-14 Air Temperature 24 Release time 1305  
 Rescue History: 1/15/11 cold desoto 210cm 38lbs Recorder Wloss

## Morphometrics

Weight (lbs)	<u>875</u>	Stretcher Weight		Weight w/stretcher	
Total straight length (cm)	<u>215</u>	Total curvilinear length (cm)	<u>288</u>		
Length snout to Axilla	<u>na</u>	Girth at Axilla (actual or 1/2)	<u>158</u>		
Length snout to Umbilicus	<u>99</u>	Girth at Umbilicus (actual or 1/2)	<u>195</u>		
Length snout to Anus	<u>180</u>	Girth at Anus (actual or 1/2)	<u>155</u>		
Length snout to Peduncle	<u>203</u>	Girth at Peduncle (actual or 1/2)	<u>114</u>		
		Girth for Belt (3x ped. down to tail)	<u>1 1</u>		

Belt Girths only needed for PreRelease HAS

## Telemetry

Tag Number	<u>1394</u>
Tag Color(s)	<u>red/y/w</u>
Tag Antenna Color(s)	<u>y/w/white</u>
Tag VHF Frequency	<u>640</u>
Tag Sonic Number	<u>3170</u>
1-1 @ 76	PI: <u>996</u>
Tagged/Verified by:	<u>Wloss / ZJohnson</u>

Belt Color	<u>Red</u>
Webbing exposed	<u>1.5 in.</u>
Knot on which side:	<u>Left</u> Right
Belt Number	<u>201</u>
Belt Sonic Number	<u>3217</u>
3-7-7-4 @ 76	PI: <u>1104</u>
Tether Strength	<u>50</u>
Tidbit Number	<u>—</u>

## PIT Tag

Scanned for PIT Tags	<u>yes</u> no
PIT Tagged at Capture	yes <u>no</u>
PIT Tagged by:	<u>—</u>

Left #	<u>00 - 06F2 - 8AB7</u>
Right #	<u>00 - 072A - DE1E</u>

## Condition Assessment

Pregnant	yes <u>no</u>
Lactating	yes <u>no</u>

Describe Observation:	<u>—</u>
Assessed by:	<u>—</u>

	emaciated		obese
Body Score	1 2 3 <u>4</u> 5		
Assessed by:	<u>Wloss / Maya</u>		

Overall Condition	Poor Fair Good <u>Excellent</u>
Assessed by:	<u>Maya</u>

Heart Rate	<u>—</u> /1 min	Respiration Rate	<u>—</u> /5 min	Oral Temperature	<u>—</u>
------------	-----------------	------------------	-----------------	------------------	----------

## Cold Exposure

	Severity Level (circle)	Type (circle all observed)	Photos of Level Type
Head	<u>0</u> 1 2 3	WHT LES ABS SLGH	<u>yes</u> no
Trunk	<u>0</u> 1 2 3	WHT LES ABS SLGH	<u>yes</u> no
Tail	<u>0</u> 1 2 3	WHT LES ABS SLGH	<u>yes</u> no

3-7-7-4  
5817  
B#185Entered  
PIT  
+  
Captivity  
3/2/14  
JUS

Field ID :

TBC105

Name :

Wheezy

Date :

W/2-26-14

**Diagnostic Samples**

Milk	yes	no
Urine	yes	no
Fecal	yes	no
Skin	yes	no
Cookie	yes	no
Blood	yes	no

Sample(s) sent to :	—
Sample(s) sent to :	—
Sample(s) sent to :	—
Sample(s) sent to :	—
Sample(s) sent to :	—
Sample(s) sent to :	—

**Blood**

1st Draw

Follow-up

Stick times:	—	—
Drawn by:	—	—
Total cc:	—	—

Tubes Collected (# vials):

Red	—
Purple	—
Blue	—
Green	—
Yellow	—
Other	—

**Ultrasound**

Reader :		Machine:	
		Center	10 cm off (R or L)
Umbilicus	1	/	/
	2	/	/
	3	/	/
Anus	1	/	/
	2	/	/
	3	/	/
Peduncle	1	/	/
	2	/	/
	3	/	/

**Veterinary Assessment**

Physical Exam:

Veterinarian:

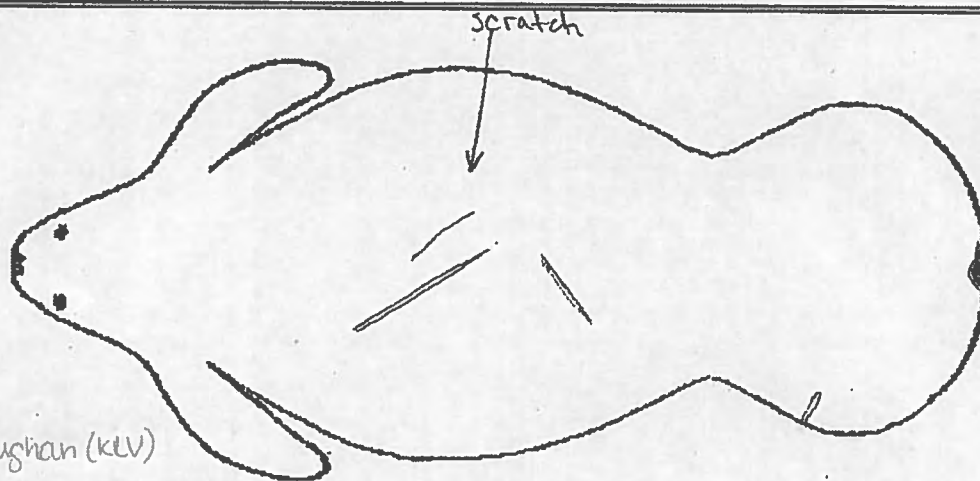
Diagnostic Testing Interpretation:

Overall Assessment (include cold stress signs noted):

**Scar Sketch:**

Photos by:

Ross



FWC photos: K. Vaughan (KLV)

FWC025-2014-02-26: 2375-2373

## Szemer, Donna

---

**From:** jtuzinski@msq.cc  
**Sent:** Monday, March 03, 2014 5:00 PM  
**To:** Szemer, Donna  
**Subject:** Fw: PIT tag info.

Sorry...I got your email wrong last time.  
Jodi

-----Original Message-----

From: [jtuzinski@msq.cc](mailto:jtuzinski@msq.cc)  
Sent: Monday, March 3, 2014 4:07pm  
To: [donna.szemer@myfwc.cm](mailto:donna.szemer@myfwc.cm)  
Cc: [jschiffhauer@msq.cc](mailto:jschiffhauer@msq.cc)  
Subject: Fw: PIT tag info.

Hi Donna,

I entered the pit tag info for Wooten (MSTm1006, MLog: 1145). They were applied at the Miami Seaquarium by Dr. Maya Rodriguez on 10/21/10.

- Right - 000671DC14
- Left - 00069582AC

Wheezy's pit tag info (MSTm1304). They were applied on 12/5/13 at the Miami Seaquarium by Dr. Maya Rodriguez.

- Right - 00072ADE1E
- Left - 0006F28AB7

Pilgrim's pit tag info (MSTm1207). They were applied on 1/29/14 at the Miami Seaquarium by Dr. Maya Rodriguez.

Their info still needs to be put into the database (and satellite tag info).

Thanks,  
Jodi

-----Original Message-----

From: "[mayadvn@msn.com](mailto:mayadvn@msn.com)" <[mayadvn@msn.com](mailto:mayadvn@msn.com)>  
Sent: Monday, March 3, 2014 11:24am  
To: "[jtuzinski@msq.cc](mailto:jtuzinski@msq.cc)" <[jtuzinski@msq.cc](mailto:jtuzinski@msq.cc)>  
Subject: Fw: PIT tag info.

Sent via BlackBerry by AT&T

-----Original Message-----

From: Szemer Donna <[Donna.Szemer@MyFWC.com](mailto:Donna.Szemer@MyFWC.com)>  
Date: Mon, 3 Mar 2014 16:21:51  
To: <[mayadvn@msn.com](mailto:mayadvn@msn.com)>  
Subject: PIT tag info.



Hi,

Do you have PIT tag information for the following manatees?

Wooten/MSTM1006: All PIT tag information-Numbers, Date applied, where, and by whom?

Wheezy/SWFTM1104B/MSTM1304: Date applied, where, and by whom?

Thanks!

Donna Szemer

FWC MMPL

# Rescue Report

Entered  
3/15/11  
DSS

Resc/Rel  
9/29/11  
Natural  
Cold Stress

## GENERAL:

Date of Rescue: 21 January 2011	Date of Initial Call: 14 January 2011	Filed by: C. Rush and M. Lizotte
Rescue ID#: REC1106	Facility ID: SWFTm1105b	FWC Case: N/A
Officer Name: N/A		
Sex: Male	Length: 225 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R 269 kg
		L "Caleb"
LOCATION:		
State: FL	City: Orange City	County: Volusia
		Waterway: St. John's River
Latitude (Decimal Degrees): 28.943284°N		Longitude (Decimal Degrees): -80.341522°W
Locality Description: Blue Springs, across from the canoe launch, northwest bank.		
Method of Capture: Walked net around manatee.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
14 January 2011, at 0830 hrs:	CNR received a call from FWC-volunteer Diane S. Schwartz (DSS), regarding a manatee that was showing signs of severe cold stress. According to DSS, the manatee was present at Blue Springs and was being monitored by Save the Manatee Club-Wayne Hartley (WH). DSS informed CNR that she would email some photos to give her an idea of the situation. CNR contacted WH once she received the photos and inquired about the manatee's behavior, and when he was first seen. According to WH, the manatee was seen for the first time that morning, he was mobile, but had bad cold stress, including square, thick, chunks of abscesses on its tail. CNR informed WH and DSS that FWC staff would be up shortly to assess the situation. CNR and FWC-biologist Megan E. Lizotte (MEL) left Melbourne by 0915 hrs and arrived at Blue Springs Park by 1045 hrs. While en route to Blue Springs, CNR contacted FWC-volunteer Leo J. Cross (LJC) and asked him to assist in the potential rescue. Upon CNR and MEL's arrival, LJC, DSS as well as two other Blue Spring volunteers were present. After observing the manatee from shore, CNR entered the water in snorkel gear to assess the manatee and move him towards the southeast shore, where MEL and volunteers were waiting with a hoop net and stretcher. The manatee was mobile and eluded the rescue team. The manatee never left the spring run for more than a few minutes, and then would go back to resting in the shallows. CNR called off the rescue attempts since swimming the manatee to the hoop net was more difficult than expected, and FWC-biologist Ann C. Spellman (ACS) contacted WH to inform him of another critically cold stressed

## Rescue Report

manatee in Satellite Beach.

20 January 2011:

CNR attempted to tag the manatee of concern. On one attempt, right as CNR was putting the belt around the tail; another manatee pulled the tag in the other direction. In another attempt, CNR had the belt around the tail, but one of the straps was stuck, so the belt slipped off as the manatee swam off. Since the manatee again, never left the run for more than a minute and always returned to the same location, she decided a belt was not necessary given his distinct behavior pattern and scheduled the rescue for the following day.

21 February 2011:

CNR was informed by DSS that the manatee in question was present in the spring run at the Blue Springs State Park. CNR contacted FWC-biologist Nadia J. Gordon (NJG) to inform her of the situation. CNR requested that NJG bring down the transport truck. CNR also contacted FWC-biologist John D. Cassidy (JDC) to see if he was able to assist with his rescue boat. That way if the manatee left the spring run, it could be captured outside of the run, away from the other manatees. JDC was unable to assist due to a transport to the MMPL scheduled for the following day. CNR contacted NJG again to see if she could bring the NEFL boat down instead, so that it could be used as a floating platform to transport the manatee, once captured by a land based net set, to the canoe beach or the French Landing Boat Ramp. NJG she would help and would be bringing a volunteer from the Jacksonville Zoo to assist, that way both the transport vehicle and the boat could be of use. CNR also called Sea-to-Shore biologist Monica Ross (MR) to request her assistance in the rescue. MR also said she would assist and would also bring a S2S-volunteer Zack Johnson (ZJ). LJC was also called and plans were made for him to assist in the rescue. MEL arrived to Blue Springs by 1300 hrs. The rescue team launched the rescue boat from the French Landing Boat Ramp just north of the spring run. While the boat was left in the river, MR, CNR, MEL, and LJC walked along the northwest shoreline of the spring run to near where the manatee was sitting. A hand net was walked out a little way from the shore. The manatee then moved from the sitting area and swam around the river run for a short time. CNR left MR in the water with one end of the net, already in a half moon because the manatee was very curious and would come back if just one person was in the water, not four. Within a few minutes, the manatee swam right up to MR, placing his nose near the hand net. MR then walked the net around the manatee, capturing the manatee in the bag. The manatee was pulled onto shore. The rescue boat was brought into the spring run and the manatee was loaded onto the boat from the shore. The manatee arrived at the boat ramp and was loaded into the back of the transport truck by 1500 hrs. The manatee was transported to SeaWorld by MR, MEL, JEL, and ZJ, arriving by 1630 hrs.



## Rescue Report

### Participants

FWC: C. Rush, M. Lizotte, N. Gordon, J. Ludema (volunteer), L. Cross (volunteer), D. Schwartz (volunteer),

Sea2Shore: M. Ross, Z. Johnson (volunteer)

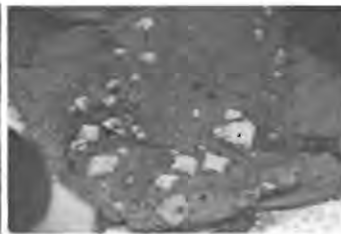
Jacksonville Zoo: G. Darnell (volunteer)

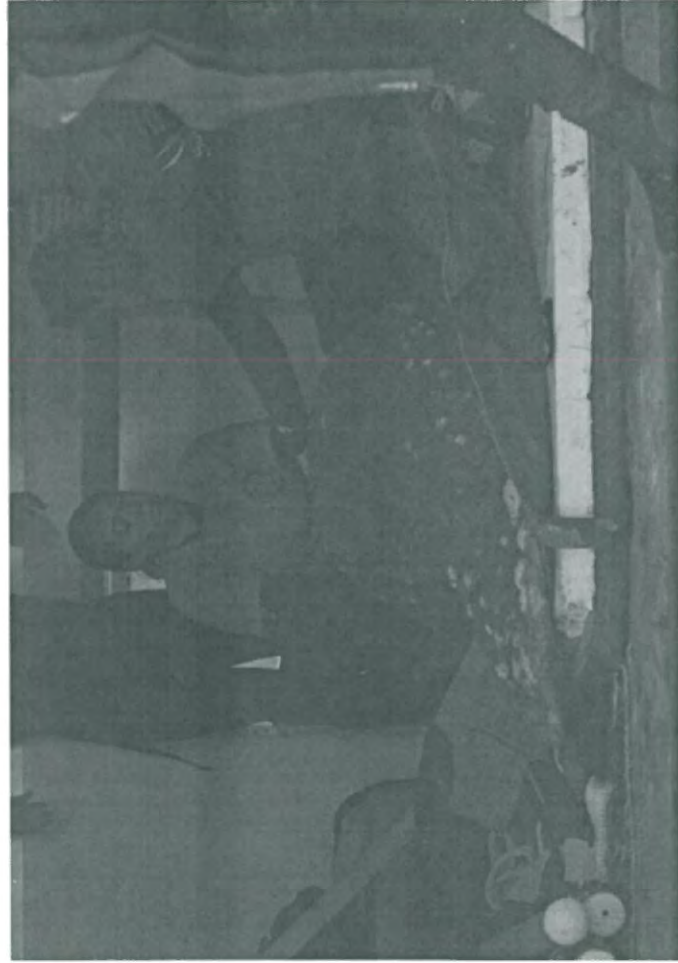
### REC1106

Attachments: map

Photographs: FWC020\_2011\_01\_21: 9803-9814, 9834-9879

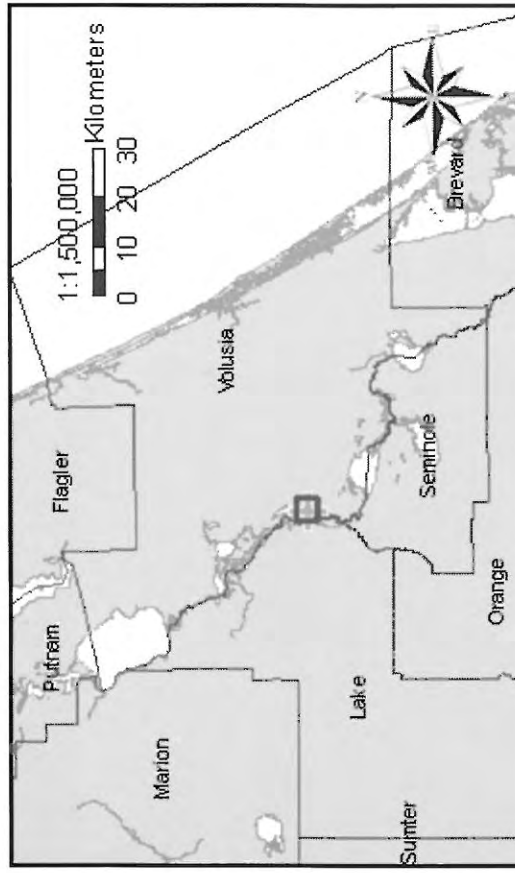
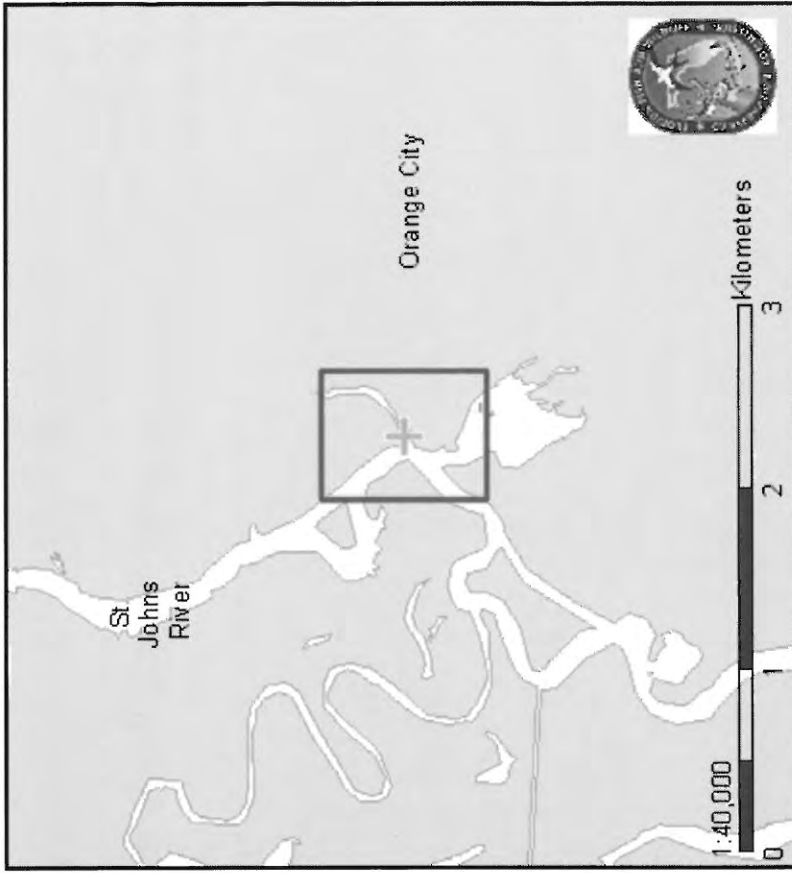
Cc: FWRI- Mammals, N. Adimey, ISM, SWF





SW FTM 058 / REC 106

# Verified Rescue Location of Manatee REC1106



REPDAY	REPMOINTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
14	1	2011	REC-1106	28.943284	-81.341522	1/21/2011	FWC,S2S,JZ	CIIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Christine Rush and Megan Lizotte  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 04 March 2011

**SUBJECT:** The rescue of a cold stressed manatee from Blue Spring on 21 January 2011  
(REC1106/SWFTm1105b).

The attached rescue report for **REC1106** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



**Manatee Information (MLog:1258 )**Animal ID: **SWFTm1105B** Sex: **M** Name: Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 01/21/2011 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Natural Cold Stress**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Guarded**Suspected Pregnant:** Animal sex is male or unknown

## -- Rescue Location Information -----

**State:** FL **County:** Volusia **City:** Orange City**Waterway:** Blue Spring**Latitude:** 28.943284 **Longitude:** -81.341522**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 209 **Estimated Weight?:** No **Date Weighed:** 01/21/2011**Length (cm):** 225 **Estimated Length?:** No **Date Measured:** 01/21/2011

## -- Other Rescue Information -----

**Tracker:** **Transporter:** FWC Indian River Field Station**Facility transported to:** SeaWorld Florida**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida**Participating Org:** FWC-indian River Field Lab, Sea 2 Shore Jacksonville Zoo SWF**Flood Gate:** **Pot Status:****Additional Narrative:** Animal caught on the north side of the mouth of the spring run.

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 02/17/2011**Updated By:** D **Updated Date:** 02/17/2011

# MANATEE CAPTURE AND ASSESSMENT FORM

Field ID \_\_\_\_\_ Location FRENCH LANDINGS  
ST. JOHN'S RIVER # capture attempts \_\_\_\_\_  
 Name Caleb Sex M Lat/Long \_\_\_\_\_ 1st set time \_\_\_\_\_  
 Freeze brand \_\_\_\_\_ Water Temperature 28.5 C On boat time \_\_\_\_\_  
 Date Th/9-29-11 Air Temperature 29.5 C Release time 929  
 Rescue History: Rescue Blue Spring Jan/2011 Recorder MFischer

## Morphometrics

Weight (lbs)	<u>690</u>	Last Capture Weight	<u>-</u>	Release Weight	<u>-</u>
Stretcher weight	<u>-</u>	Last Weight Loss %	<u>-</u>	Last Weight loss %	<u>-</u>
Weight w/stretcher	<u>-</u>	Last Capture Date	<u>-</u>	Release Date	<u>-</u>
Total straight length (cm)	<u>244</u>	Total curvilinear length (cm)	<u>260</u>		
Length snout to Axilla	<u>-</u>	Girth at Axilla (actual or 1/2)	<u>143</u>		
Length snout to Umbilicus	<u>93</u>	Girth at Umbilicus (actual or 1/2)	<u>188</u>		
Length snout to Anus	<u>171</u>	Girth at Anus (actual or 1/2)	<u>128</u>		
Length snout to Peduncle	<u>184</u>	Girth at Peduncle (actual or 1/2)	<u>107</u>		

## Ultrasound

Reader:		Scano	Reader:	
w / standoff		Center	10 cm off (R or L)	
/	1 Umbilicus	1	15 / 22	/
/	2	2	16 / 22	/
/	3	3	17 / 23	/
/	1 Anus	1	11 / 22	11 / 15
/	2	2	12 / 23	/
/		3	11 / 22	/
/	1 Peduncle	1	10 / 23	10 / 15
/	2	2	10 / 23	/
/	3	3	10 / 24	/

## Telemetry

Tag Number		Belt Color	
Tag Color(s)		Webbing exposed	
Tag Antenna Color(s)		Knot on which side:	Left Right
Tag VHF Frequency		Belt Number	
Tag Sonic		Belt Sonic	
Tether Strength		Tagged by / Verified by:	

## PIT Tag

Scanned for PIT Tags	yes <u>no</u>	Left #	<u>00-06EE-2605</u>
PIT Tagged at Capture	yes <u>no</u>	Right #	<u>00-06EE-1CEE</u>
PIT Tagged by:			

## Diagnostic Samples

Milk	yes <u>no</u>	Sample(s) sent to:	<u>-</u>
Urine	yes <u>no</u>	Sample(s) sent to:	<u>-</u>
Fecal	yes <u>no</u>	Sample(s) sent to:	<u>-</u>
Skin	yes <u>no</u>	Sample(s) sent to:	<u>-</u>
Blood	yes <u>no</u>	Sample(s) sent to:	<u>-</u>

*5 Entail  
11/14/11  
Captured  
PIT*



Field ID :

Name :

Caleb

Date :

9-29-11

**Blood**

Time drawn

Drawn by :

Total cc drawn

Tubes Collected (# vials):

No additive (red)

EDTA (purple)

Citrate (blue)

Heparin (green)

No additive (yellow)

Other

Capture Site - Blood Parameters:

Creatinine

Lactic Acid

Glucose

pH

HCO3

PCO2

O2 saturation

PO2

Other

Lab Analysis:

CBC

Chemistry

Bank Sample (serum, plasma)

yes

no

Bank Sample Volume (cc)

Diagnostic Laboratory:

Heart Rate

Temp

Other Diagnostic Tests Submitted:

**Condition Assessment**

Pregnant

yes

no

Lactating

yes

no

Describe Observation :

Assessed by:

Body Score

1

2

3+

4

5

Assessed by :

Overall Condition

Poor

Fair

Good

Excellent

Assessed by:

**Veterinary Assessment**

Veterinarian:

Physical Exam:

Diagnostic Testing Interpretation:

Overall Assessment:

M FISCHER

BODY CONDITION 3+

~~Good~~

**Manatee Information (MLog:1258 )**Animal ID:**SWFTm1105B** Sex:**M** Name:**Caleb** Rearing:**Wild reared****-- Release Information -----****Release Date:** 09/29/2011**-- Release Location Information -----****Release Site:** BSSP**State:** FL **County:** Volusia **City:** Orange City**Waterway:** St. Johns River**-- Measurement -----****Weight (kg):** 298 **Estimated Weight?:** No **Date Weighed:** 07/07/2011**Length (cm):** 240 **Estimated Length?:** No **Date Measured:** 07/07/2011**-- Other Release Information -----****Display Water Type:** Fresh**Release Water Type:** Fresh**How many months has animal been exposed to release water type?****Is animal bottom feeding?** Yes**Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:****Veterinarian:** Laura Croft**Organization:** SeaWorld Florida**Participating Org:****Additional Narrative:** Animal will actually be released at the French Ave boat ramp just on the north side of BSSP. Photos will be taken the day of release and sent to USGS Sirenia.**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 09/29/2011**Updated By:** D **Updated Date:** 09/29/2011



**Manatee Information (MLog:1258 )**Animal ID:**SWFTm1105B** Sex:**M** Name:**Caleb** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 07/07/2011    **Tag ID** 0006EE26C5**Tag ID** 0006EE26C5**Information:** Pit tagged in left shoulder area with #0006EE26C5 for future release.**Event:** Rescue    **Event Date** 01/21/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 08/01/2011**Updated By:** D    **Updated Date:** 08/01/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 07/07/2011    **Tag ID** 0006EE1CEE**Tag ID** 0006EE1CEE**Information:** pit tagged in right shoulder area with #0006EE1CEE for future release.**Event:** Rescue    **Event Date** 01/21/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 08/01/2011**Updated By:** D    **Updated Date:** 08/01/2011

**Recent Activity**

**Sign Up** Create an account or log in to see what your friends are doing.

**Watch LIVE** Conrad Murray Trial  
Go to jail or church?

**Saint Petersburg Mom Turns \$49 into \$8,795**  
We Investigated a single mom that makes \$8,000...

**53 yr Old Saint Petersburg Mom Looks 30**  
Local Mom Reveals \$5 Wrinkle Trick Angering...

**Saint Petersburg Work At Home Jobs (EXPOSED)**  
We investigated work at home jobs and what we...

Home | News | Sports | Entertainment | Local | Classifieds | Yellow Pages | Web Cams | Viewer Video | Daily Deals | Cool Schools | About Us | Hot Video

HEALTH ENTERTAINMENT GOOD DAY JOB SHOP ABOUT US HOT VIDEO

MOBILE APPS

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**Manatee released at Blue Springs State Park**

Updated: Friday, Oct 20, 2012, 7:53 AM EDT  
Published: Friday, Oct 19, 2012, 7:43 AM EDT

SeaWorld Orlando's animal rescue team released a manatee at Blue Springs State Park in Orange City Thursday.

Caleb was a 460-pound manatee suffering from cold stress at Blue Springs State Park when he was brought to SeaWorld Orlando by the Florida Fish and Wildlife Commission (FWC) on January 21, 2011. While being cared for, Caleb gained 230 lbs and weighed a total of 690 lbs upon his release.

SeaWorld's animal rescue team is on call 24/7 to save and care for injured, orphaned or ill animals including manatees like Caleb.

**SeaWorld Orlando Photos**

View photos of SeaWorld Orlando...

**Gulf Stream Radar**

**Lexus of Orlando**  
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## FROM AROUND THE WEB

# Rescue Report

Entered 3/15/11  
DSS

Resc / Rel  
3/11/11  
Natural  
Cold Str

## GENERAL:

Date of Rescue: 24 January 2011	Date of Initial Call: 23 January 2011	Filed by: C. Rush
Rescue ID#: REC1107	Facility ID: SWFTm1106b	FWC Case: N/A
Officer Name: N/A	Sex: Male	Length: 243 cm
Estimated: No	(265kg)	"Inferno"
PIT Tag Applied:	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Satellite Beach	County: Brevard
Latitude (Decimal Degrees): 28.164552°N		Waterway: (DeSoto Canal) <i>Banana River</i>
Longitude (Decimal Degrees): -080.603015°W		
Locality Description: Behind 601 DeSoto Lane		
Method of Capture: Net set from land		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe:

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
23 January 2011	FWC-biologist Christine N. Rush (CNR) was at the DeSoto Canal ditch collecting environmental data and checking on the manatees. CNR noticed a cold stressed manatee resting in very shallow water that she was concerned about. CNR pointed out the manatee of concern to FWC-biologist Megan E. Lizotte (MEL) and it was agreed to watch the manatee for a day to see if its condition worsened.
24 January 2011	On her way to Port Canaveral to check on a manatee stuck in the lock chamber, CNR went to DeSoto to check on the manatee of concern from the day before. CNR noticed that the manatee had not moved at all and was closely tucking its flippers to its body. The manatee was very lethargic, underweight, flippers were edemic, had a white rubbery face, and was breathing about every minute. CNR slowly entered the water to see if the manatee responded, but he didn't. CNR was able to approach the manatee and manipulate him, as well as feel his ventrum. CNR decided that the manatee was in critical shape and needed to be rescued immediately. CNR contacted SeaWorld to make sure that they could accept the manatee. SeaWorld was unable to assist, but could accept the manatee. CNR contacted FWC-biologist Jackie E. Ludema (JEL) and FWC-volunteer Leo J. Cross (LJC) for assistance. JEL was meeting up with SEFL staff for a carcass transfer at SR-60. CNR contacted Lock Tender-Mike to inform him that there was a manatee in critical condition and planned on checking on a manatee in the lock chamber on the way back from SeaWorld,



## Rescue Report

since SeaWorld was not available for a rescue/relocation that day anyway. CNR requested officer assistance by land, but there was only one officer on for all of Brevard County, and he was in Titusville working a case. CNR contacted Hubbs-SeaWorld, but Hubbs staff was not available to assist either. CNR then contacted the Satellite Beach Fire Department (SBFD) head Jay Dragon to see if they could assist with the rescue. SBFD agreed to assist as long as no emergencies came in, and set a rescue time for 1130 hrs. CNR returned to the field lab to get a FIM truck. She loaded the necessary equipment, then went back to DeSoto to watch the manatee.

JEL and LJC and the SBFD met CNR at the canal. CNR quickly briefed the SBFD about the net and what the capture plan was. CNR, JEL, and LJC walked the net around the lethargic manatee and bagged it. Once in the bag, CNR, JEL and LJC handed up leads and floats to the SBFD, standing on the ledge. The manatee was pulled up on land and loaded into the FIM truck. CNR contacted SeaWorld to inform them they had the manatee and were en route.

### Participants:

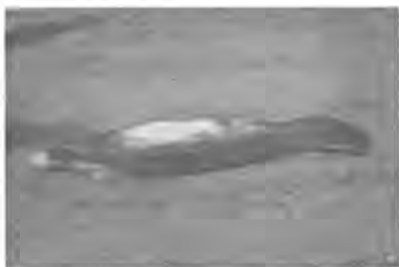
FWC: CNR, JEL (volunteer), LJC (volunteer)  
Satellite Beach Fire Department

**Total time: 6 hrs**

**REC1107**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS





SWFTH106B  
REC1107





SWFTM1106B  
REC1107





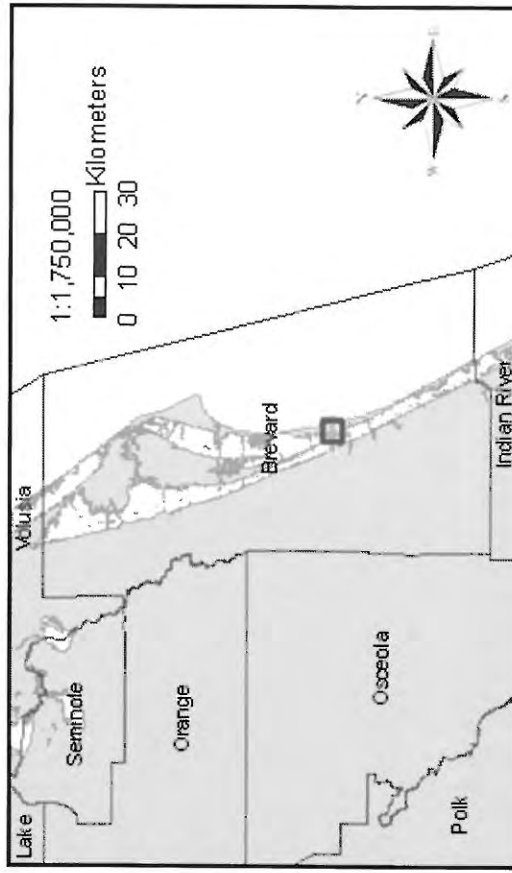
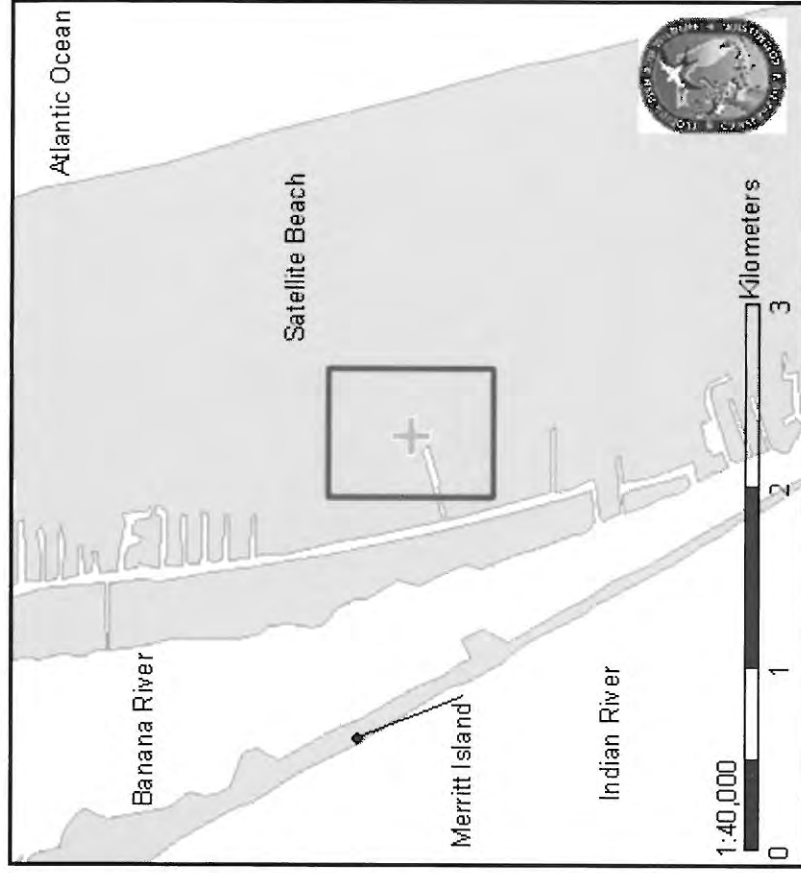
SWFTM1106B  
REC1107



# Verified Rescue Location of Manatee REC1107



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
23	1	2011	REC1107	28.164552	-80.603015	1/24/2011	FWC,SBFD	CIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 26 March 2011

**SUBJECT:** The rescue of a cold stressed manatee in the DeSoto Canal ditch on 23 January 2011 (REC1107/SWFTm1106b).

The attached rescue report for **REC1107** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
3/15/11  
DSS

**Manatee Information (MLog:1259 )**

Animal ID:**SWFTm1106B** Sex:**M** Name: Rearing:**Wild reared**
**-- Rescue Information -----**
**Rescue Date:** 01/24/2011 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress
**Primary Cause Text:**
**Secondary Cause:**
**Secondary Cause Text:**
**Health Status:** Guarded

**Suspected Pregnant:** Animal sex is male or unknown

REC1107
**-- Rescue Location Information -----**
**State:** FL **County:** Brevard **City:** Satellite Beach

**Waterway:** DeSoto Canal

**Latitude:** 28.164552 **Longitude:** -80.603015

**Relocated, where?:**
**Did animal die during rescue or transport?:** No

**-- Measurement -----**
**Weight (kg):** 268 **Estimated Weight?:** No **Date Weighed:** 01/25/2011

**Length (cm):** 243 **Estimated Length?:** No **Date Measured:** 01/24/2011

**-- Other Rescue Information -----**
**Tracker:** **Transporter:** FWC Indian River Field Station

**Facility transported to:** SeaWorld Florida

**Veterinarian:** Kathy Heym **Organization:** SeaWorld Florida

**Participating Org:** FWC-indian River Field Lab Satellite Beach Fire Department SWF

**Flood Gate:** **Pot Status:**
**Additional Narrative:** Animal caught with a land set.

**-- Report Information -----**
**Created By:** Bob Wagoner **Created Date:** 02/17/2011

**Updated By:** D **Updated Date:** 02/17/2011

**Manatee Information (MLog:1259 )**Animal ID:**SWFTm1106B** Sex:**M** Name:**Inferno** Rearing:**Wild reared****-- Release Information -----****Release Date:** 08/11/2011

REC1107

**-- Release Location Information -----****Release Site:** KARS Park**State:** FL **County:** Brevard **City:** Merritt Island**Waterway:** Banana River**-- Measurement -----****Weight (kg):** 332 **Estimated Weight?:** No **Date Weighed:** 07/07/2011**Length (cm):** 250 **Estimated Length?:** No **Date Measured:** 07/07/2011**-- Other Release Information -----****Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:** None, not tagged**Veterinarian:** Laura Croft**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Additional Narrative:** Animal was not FB due to some scarring already, photos where taken today by FWC and will be sent to USGS Sirenia**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 08/11/2011**Updated By:** D **Updated Date:** 08/11/2011



**Manatee Information (MLog:1259 )**Animal ID:**SWFTm1106B** Sex:**M** Name:**Inferno** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 07/07/2011    **Tag ID** 0006EE1CEC**Tag ID** 0006EE1CEC**Information:** Pit tagged in left shoulder area with #0006EE1CEC for future release.**Event:** Rescue    **Event Date** 01/24/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 08/01/2011**Updated By:** D    **Updated Date:** 08/01/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 07/07/2011    **Tag ID** 0006F3D097**Tag ID** 0006F3D097**Information:** Pit tagged in right shoulder area with #0006F3D097 for future release.**Event:** Rescue    **Event Date** 01/24/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 08/01/2011**Updated By:** D    **Updated Date:** 08/01/2011

Entered  
Capture  
&  
PIT  
8/17/11  
DJS

## Florida Fish and Wildlife Conservation Commission

(727) 896-8626

West Indian Manatee (*Trichechus manatus*)

Manatee ID: SWFTM1106B Temporary ID: \_\_\_\_\_ Time Net Set: NA  
 Name: INFERNO Date: 08/11/2011 Time Captured (Or board): NA  
 ID of its Calf / Mom: \_\_\_\_\_ Sex: (M) / F Time On Beach: NA  
 Location: SEA WORLD, ORLANDO Latitude: \_\_\_\_\_ N Time Released: NA  
 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: 700 lb EST 128.2 lb Act	Manatee + stretcher	Stretcher weight
	(lb or kg) 318 kg EST 331 kg Act		
Lengths	Total Length (curvilinear) (cm)	267 cm	
	Total Length (straight)	240 cm	
	Snout to Peduncle	182 cm	
	Snout to Anus	105 cm	
	Snout to Umbilicus	88 cm	
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: 104 cm	Belt Loc: in
	Girth at Anus: <u>actual</u> or 1/2	138 cm	
	Girth at Umbilicus: <u>actual</u> or 1/2	185 cm	
	Girth at Axilla: <u>actual</u> or 1/2	150 cm	

ULTRASOUND		Reader Name: <u>Ann C. Spellman</u>			
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle	
Scanoprobe No.: 1 / (2)	1	18 / 28	13 / 29	12 / 29	
Other:	2	18 / 27	13 / 29	11 / 27	
	3	18 / 27	13 / 29	11 / 28	

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

REPROD. STATUS	Pregnant? Y / (N) If so, describe:			
	Lactating? <u>N/A</u>		Y / N	
SAMPLES <u>NA</u>	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 <u>NA</u>	Heartrate: Stethoscope EKG Pulse-Oximeter (None) Data Sheets? Y (N)			
	Temperature: Oral Naso-pharyngeal Rectal (None)		Y (N)	
	Respiratory Rate? Y (N)		Y (N)	

Manatee ID:

Manatee Name: INFERNO

Date: 08/11/2011

<b>FREEZE BRAND</b>	Letters/Numbers applied: N/A	Applied by:		
	Location:			
<b>BLOOD</b> N/A	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:
<b>PIT TAG</b>	Scanned for previous PIT tag?	Y / N	PIT tagged at this capture? Y / N	
	PIT tagged by: SWF			
	Right #	00-06E3-2097		
	Left #	00-06EE-ICEC		
<b>FLAG</b> N/A	Color and Symbol			
<b>TELEMETRY</b> N/A	TAG Type	Argos-GPS / Lotek-GPS / PIT / 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 _____ Color: _____		
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	Belt Knot / Webbing Exposed	Left / Right _____ inches		
	CR2a Programmed Release	Y / N Date/Time: _____		
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number			
	Logger Location			
	dTag ID & VHF Frequency	ID #: _____	148. _____ MHz	
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °	
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °	
	TETHER Strength / Length	Strength: _____	Length: _____ ft.	
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	Tagged by:			
<b>PHOTOGRAPHS</b>	Taken by:	C. BUSH (FWC)		
	Exposures:	FWC025-2011-08-11-0319-0832		
<b>SKETCHES</b>	Sketched by:	A. Spellman (FWC)		

## Comments

Released 08/11/2011 @ KARS Park, Merritt Island, Brevard Cnty, Banana River. Rescued (REC1107) from Desoto Canal, Seclude Bch, Brevard Cnty on 01/23/2011 for severe chronic cold stress.

« Last day to enter Travelling with Pets Photo Contest | Main | Balloon dangers to wildlife »

**Manatee named Inferno released in Brevard**

**Manatees** — posted by maryanna gentleman on August, 11 2011 11:54 PM

Discuss This: [Comments\(1\)](#) | [Add to del.icio.us](#) | [Digg It](#)



SeaWorld and Florida Fish and Wildlife staffers prepare to take Inferno to the water at Kars Park. (Photo from Florida Fish and Wildlife Conservation Commission)

The Florida Fish and Wildlife Conservation Commission and SeaWorld Orlando released a male manatee known as Inferno late Thursday morning, Aug. 11, at Kars Park in North Merritt Island. The manatee was rescued by Fish and Wildlife and the Satellite Beach Fire Department (that's where his name, Inferno, comes in) in January because he was suffering from cold stress in a Satellite Beach canal. SeaWorld's animal rehabilitation staff took care of the 3- to 4-year-old sea cow for the past eight months. About 15 to 20 manatees were in the water at Kars Park where Inferno was released, and both SeaWorld and FWC folks report he swam off right away in good company.

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Great story. It's nice that it isn't all negative news anymore. You go Seaworld

Reply Posted by: James | Friday, August 12, 2011 at 10:46 AM

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# Rescue Report

Asst. & Rel

Entered  
3/15/11  
DSS

Human, other  
(Lock under  
Repair)

## GENERAL:

Date of Rescue: 25 January 2011	Date of Initial Call: 24 January 2011	Filed by: C. Rush
Rescue ID#: REC1108	Facility ID: SWFTm1107b	FWC Case: N/A
Officer Name:		
Sex: Female	Length: 298 cm	Estimated: No
PIT Tag Applied: Yes	PIT Tag Present:	#R 00-06DE-60F5
		L 00-06DE-543A (PIT House)
LOCATION:		
State: FL	City: Cape Canaveral	County: Brevard
		Waterway: Port Canaveral
Latitude (Decimal Degrees): 28.409363° N		Longitude (Decimal Degrees): -080.636792° W
Locality Description: The east side of the east lock gate.		
Method of Capture: Net set from boat and land.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Extraction and relocation

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
	While the Canaveral Locks had the manatee excluder system repaired during the winter, the west gate of the lock system was de-watered, therefore, leaving manatees without access to the Banana River. All manatees at this time that were seen on the Port side, the east side of the east gate, were locked into the lock chamber for capture and relocation, if possible.
24 January 2011, at 1810 hrs	FWC-biologist Ann C. Spellman (ACS) received a phone call from the Canaveral Locks regarding a manatee on the east side of the east gate. Currently, there was another manatee already locked into the chamber, so the lock tenders were instructed to not open the lock chamber to avoid letting the manatee already in the chamber out. If that happened, then two manatees would be on the "wrong side." ACS informed the lock tenders that FWC-biologist Christine N. Rush (CNR) had already informed SeaWorld-Bob Wagoner (BW) of the manatee inside the chamber and set up a rescue for the following day. ACS informed CNR of the additional manatee. CNR then contacted BW of the additional manatee, with the possibility of two rescues for the following morning. CNR had already made plans to meet with FWC-volunteer Jackie E. Ludema (JEL) and Leo J Cross (LJC) the following morning to assist with the rescue.

## Rescue Report

25 January 2011

CNR and JEL met LJC at the Rodney S. Ketcham Park Boat Ramp at 1130 hrs to launch the ECFL's Key West as the chaser boat, if needed. FWC-biologist Nadia J. Gordon (NJG) also came for assistance since ACS was sick and the ECFL was very busy. The SeaWorld crew also met at the boat ramp. CNR informed the P.I., Brant Gabrielle (BG) that the plan was to see if the manatee in the chamber could be forced to the west side of the chamber, and let the other manatee in as well.

At the east lock gate, LJC revved the engine to see if the manatee in the chamber would go to the west side. That did not work, so CNR had JEL get in the water to see if the manatee could be forced to the other side. That did not work either. The manatee inside the chamber refused to leave the east gate, but so did the manatee on the outside of the chamber. Since the manatee outside of the chamber did not respond too much to the capture boat, it was agreed on by CNR and BG to capture that manatee outside of the chamber. Although the SeaWorld crew had the manatee in the bag of the net on the first set, it was able to get out. The manatee was large, so LJC tied up the Key West and joined the SW crew on the capture boat. A second net set was made, and with the help of the shoreline, the capture was successful. The manatee was captured by 1320 hrs. NJG took the Key West back to the ramp, while CNR and JEL drove to meet the rest of the crew at the boat ramp. The manatee was photographed, PIT tagged, and had measurements taken as well as ultrasound. The manatee seemed to be in great health and was released at the canoe beach into the Banana River, just south of the lock chamber at 1410 hrs.

### **Participants:**

FWC: CNR, NJG, JEL (volunteer), LJC (volunteer)  
SeaWorld Animal Care Staff

**Total time: 3 hrs**

**REC1108**

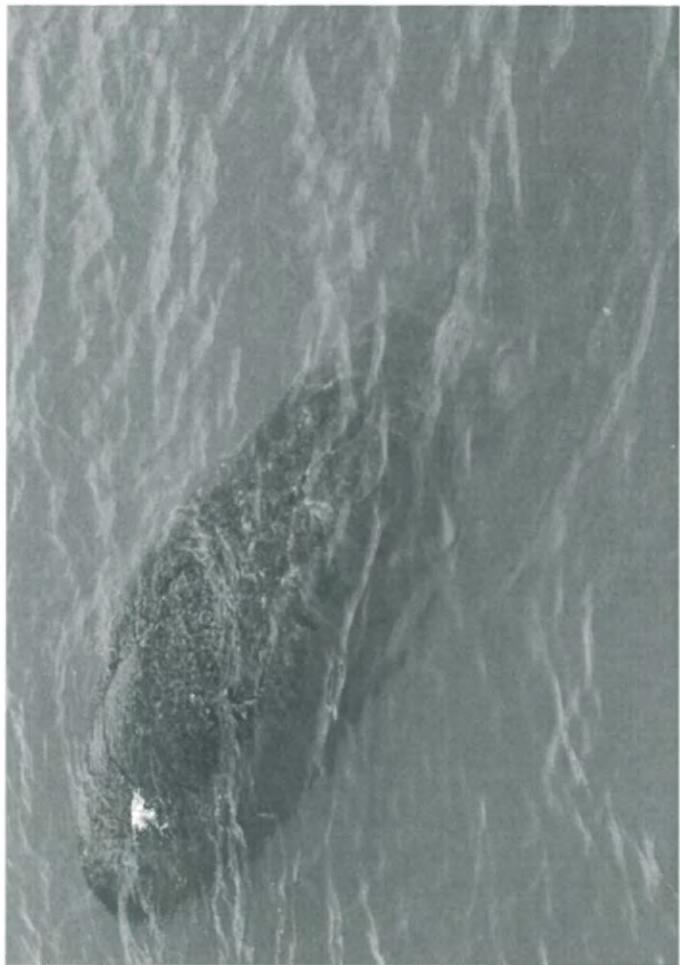
Attachments: map, Photos FWC020\_2011\_01\_25:0235-0356

cc: FWRI, Field Labs, ISM, SWF, FWS

## Rescue Report

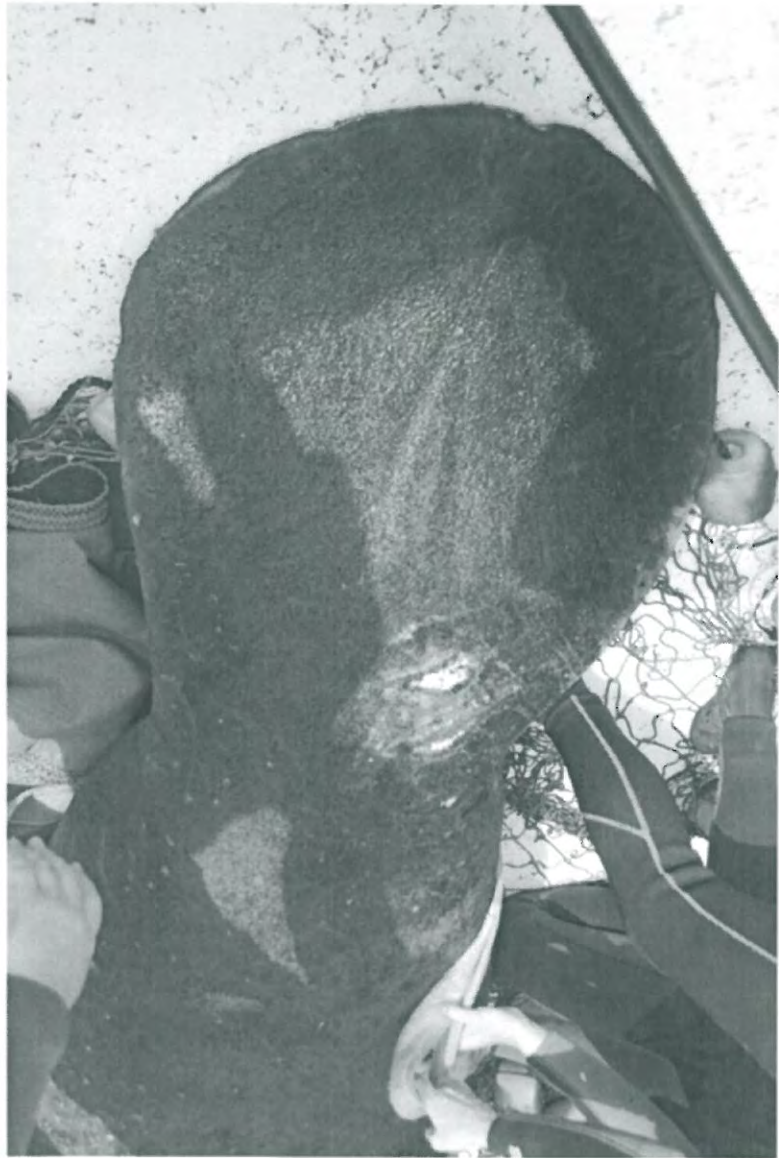
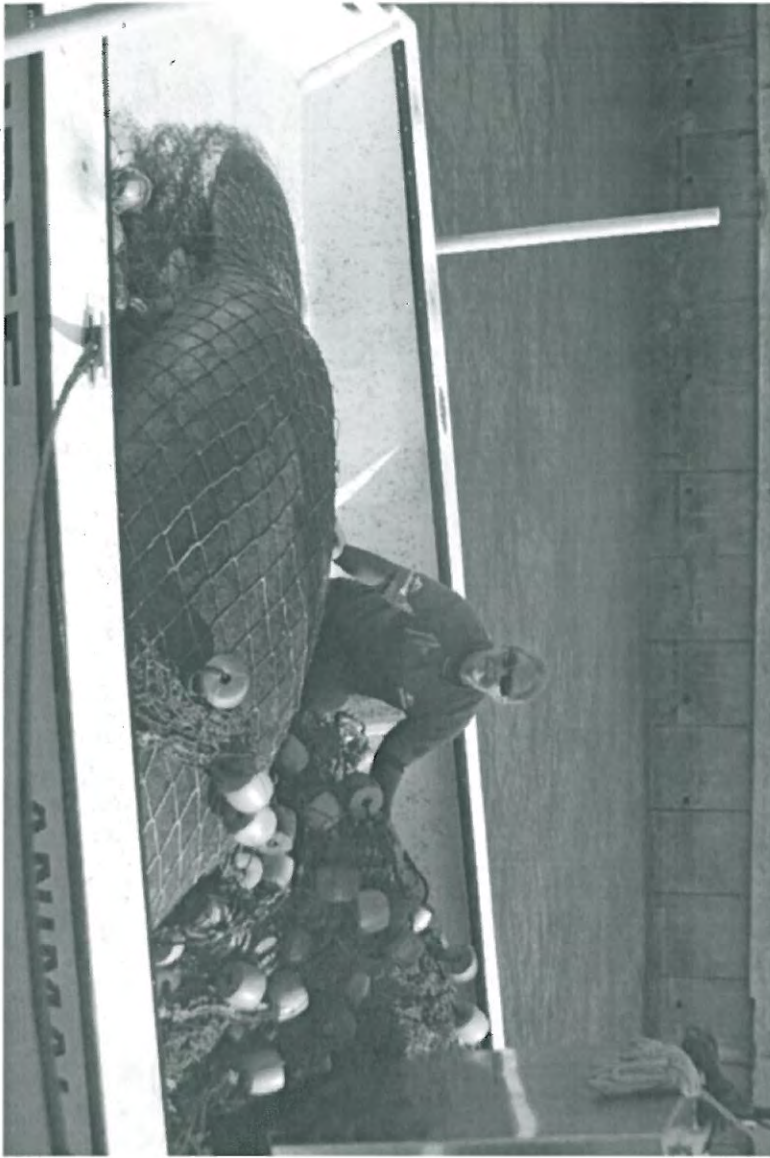






SWFTM11078/REC1108





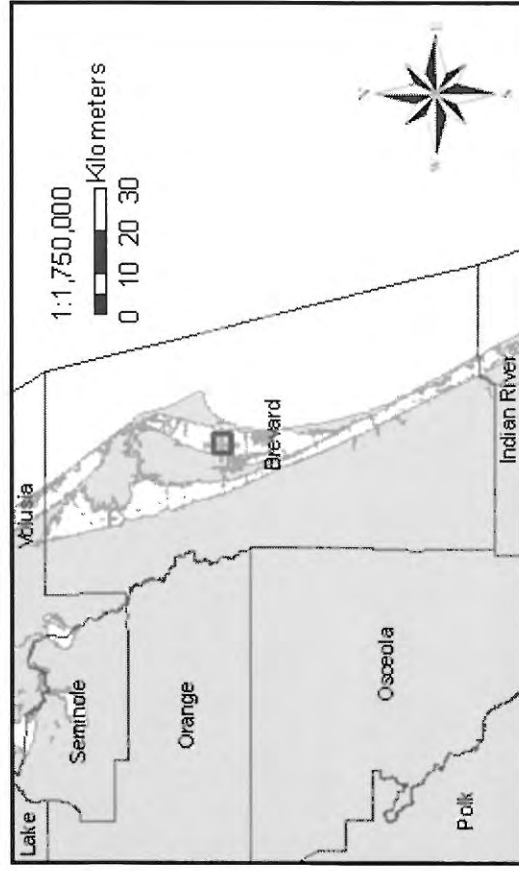
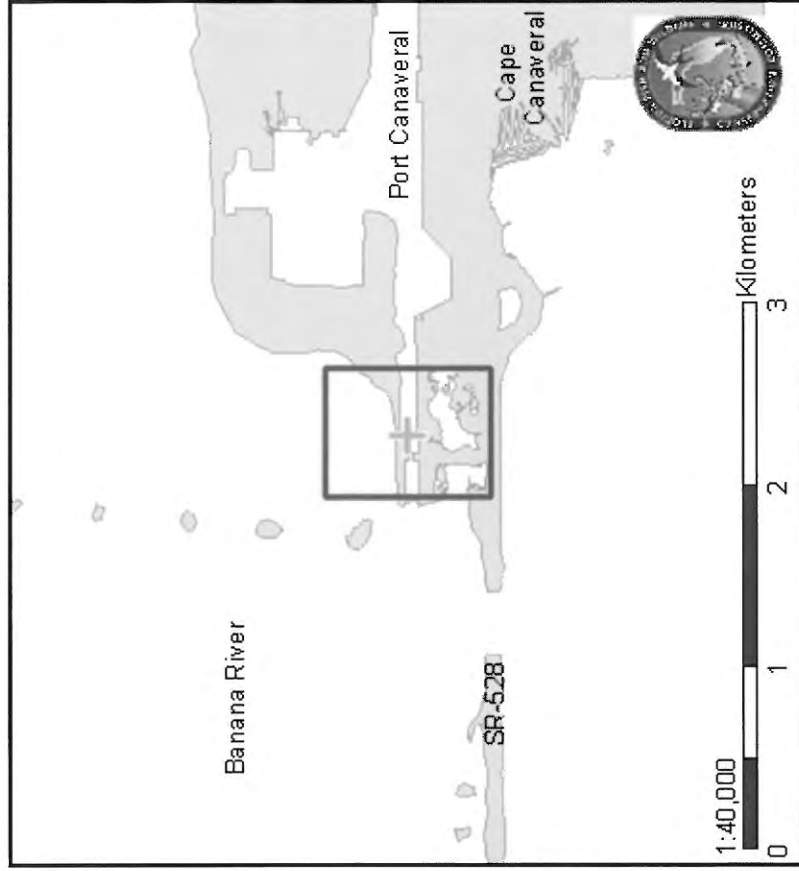
SWFTM107B  
REC1108





SWFTM1107B  
REC1108

# Verified Rescue Location of Manatee REC1108/SWFTm1107b



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
24	1	2011	REC1108	28.409303	-80.636792	1/25/2011	FWC, SWF	CIIR



Entered  
3/15/11  
JSS

**Manatee Information (MLog:1264 )**

Animal ID: **SWFTm1107B** Sex: **F** Name: Rearing: **Wild reared**

-- Rescue Information -----

**Rescue Date:** 01/25/2011 **Rescue Per Day:** 1

**Rescue Type:** Assist and release

**Primary Cause:** ~~Entrapment Flood Gates/Locks~~ Human, other

**Primary Cause Text:** Locks under Repair

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Unknown

**Suspected Pregnant:** No information on potential pregnancy is known

-- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Cape Canaveral

**Waterway:** Port Canaveral

**Latitude:** 28.409363 **Longitude:** -80.636792

**Relocated, where?:** Canoe beach west of the Port Canaveral Locks, in the Banana River

**Did animal die during rescue or transport?:** No

-- Measurement -----

**Weight (kg):** 590 **Estimated Weight?:** Yes **Date Weighed:** 01/25/2011

**Length (cm):** 298 **Estimated Length?:** No **Date Measured:** 01/25/2011

-- Other Rescue Information -----

**Tracker:** **Transporter:**

**Facility transported to:**

**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida

**Participating Org:** FWC- Indian River Field Lab US Army Core of Engineers SWF Rescue crew

**Flood Gate:** **Pot Status:**

**Additional Narrative:** This animal was actually captured just outside the Port Canaveral Lock chamber trying to get into the lock. There was already one animal inside the lock chamber.

-- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/06/2011

**Updated By:** D **Updated Date:** 03/06/2011

REC1108

**Manatee Information (MLog:1264 )**Animal ID:**SWFTm1107B** Sex:**F** Name: Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 01/25/2011    **Tag ID** 0006DE543A**Tag ID** 0006DE543A**Information:** Animal was pit tagged in the left shoulder prior to release.**Event:** Rescue    **Event Date** 01/25/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/06/2011**Updated By:** D    **Updated Date:** 03/06/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 01/25/2011    **Tag ID** 0006DE60F5**Tag ID** 0006DE60F5**Information:** Animal was pit tagged in the right shoulder prior to release.**Event:** Rescue    **Event Date** 01/25/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 03/06/2011**Updated By:** D    **Updated Date:** 03/06/2011

Entered  
Captive +  
PIT  
3/15/11  
DS

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 31 March 2011

**SUBJECT:** The rescue and relocation of a manatee from the Port Canaveral Lock Chamber on 25 January 2011 (REC1108/SWFTm1107b).

The attached rescue report for **REC1108** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Asst. J. Kel

## Rescue Report

Entered  
3/15/11  
DSS

Human, other  
(Look under  
Repair)

### GENERAL:

Date of Rescue: 25 January 2011 Date of Initial Call: 24 January 2011 Filed by: C. Rush  
Rescue ID#: REC1109 Facility ID: SWFTm1108b FWC Case: N/A Officer Name: FWS-Ofc. Walter Duran  
Sex: Female Length: 278 cm Estimated: No  
PIT Tag Applied: Yes PIT Tag Present: #R 00-06DF-0A51 L 00-06DE-5388 ✓ PIT done  
LOCATION:  
State: FL City: Cape Canaveral County: Brevard Waterway: Port Canaveral  
Latitude (Decimal Degrees): 28.409201° N Longitude (Decimal Degrees): -080.639637° W  
Locality Description: Inside of the Port Canaveral Lock Chamber  
Method of Capture: Net set from boat.

### REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Extraction and relocation

### Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

### Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☐ Y ☐ N



## Rescue Report

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
	<p>While the Canaveral Locks had the manatee excluder system repaired during the winter, the west gate of the lock system was de-watered, therefore, leaving manatees without access to the Banana River. All manatees at this time that were seen on the Port side, the east side of the east gate, were locked into the lock chamber for capture and relocation, if possible.</p>
24 January 2011, at 0615 hrs	<p>FWC-biologist Christine N. Rush (CNR) received a phone call from Lock Tender- Tim Holem (TH) (321-783-5421) regarding a manatee that had been locked into the chamber. CNR informed TH that she would be up later in the morning to take photos and check on it. Meanwhile, Rachael Nutezel, was going to put SeaWorld on alert.</p> <p>Before going to the Canaveral Locks, CNR checked on secondary sites. The manatee she was concerned about the previous day in DeSoto Canal looked to be in worse condition and was in need of immediate rescue. CNR contacted TH to get an update. TH informed CNR that SeaWorld was not able to set up a rescue and relocation for that day. CNR informed TH that she had a rescue to do in Satellite Beach and would stop by to document the manatee in the lock chamber after she dropped REC1107 off at SeaWorld.</p> <p>At 1615 hrs, CNR, and FWC-volunteer Jackie E. Ludema (JEL) photographed and assessed the manatee in the chamber at Port Canaveral. The manatee</p>

## Rescue Report

appeared to be large and in good health. A rescue was set up for the following day with SeaWorld. Later that evening, FWC-biologist Ann C. Spellman (ACS) informed CNR that there was another manatee in need of relocation on the east side of the lock chamber at the east gate. CNR informed SeaWorld-Bob Wagoner of the situation and planned accordingly.

25 January 2011

CNR and JEL met FWC-volunteer Leo J. Cross (LJC) at the Rodney S. Ketcham Park Boat Ramp at 1130 hrs to launch the ECFL's Key West as the chaser boat, if needed. FWC-biologist Nadia J. Gordon (NJG) also came for assistance since ACS was sick and the ECFL was very busy. The SeaWorld crew also met at the boat ramp. CNR informed the P.I., Brant Gabrielle (BG) that the plan was to see if the manatee in the chamber could be forced to the west side of the chamber, and let the other manatee in as well.

At the east lock gate, LJC revved the engine to see if the manatee in the chamber would go to the west side. That did not work, so CNR had JEL get in the water to see if the manatee could be forced to the other side. That did not work either. The manatee inside the chamber refused to leave the east gate, but so did the manatee on the outside of the chamber. Since the manatee outside of the chamber did not respond too much to the capture boat, it was agreed on by CNR and BG to capture that manatee outside of the chamber.

Once that rescue and relocation was complete, the manatee inside the chamber was forced to the west lock gate by means of JEL in the kayak and NJG swimming. The lock tenders, CNR, and FWS-Ofc. Walter Duran were on the catwalk trying to keep an eye on the manatee. Eventually, the manatee went far enough to the west end and the lock gates were cracked open, allowing the rescue boat in. Once inside the chamber, a single net set was done by boat and the manatee was brought on board. The crew all met back at the boat ramp. CNR took measurements, PIT tagged and performed ultrasound. The manatee was released at the canoe beach just south of the Canaveral Locks, into the Banana River.

### Participants:

FWC: CNR, NJG, JEL (volunteer), LJC (volunteer)  
SeaWorld Animal Care Staff

**Total time: 3 hrs**

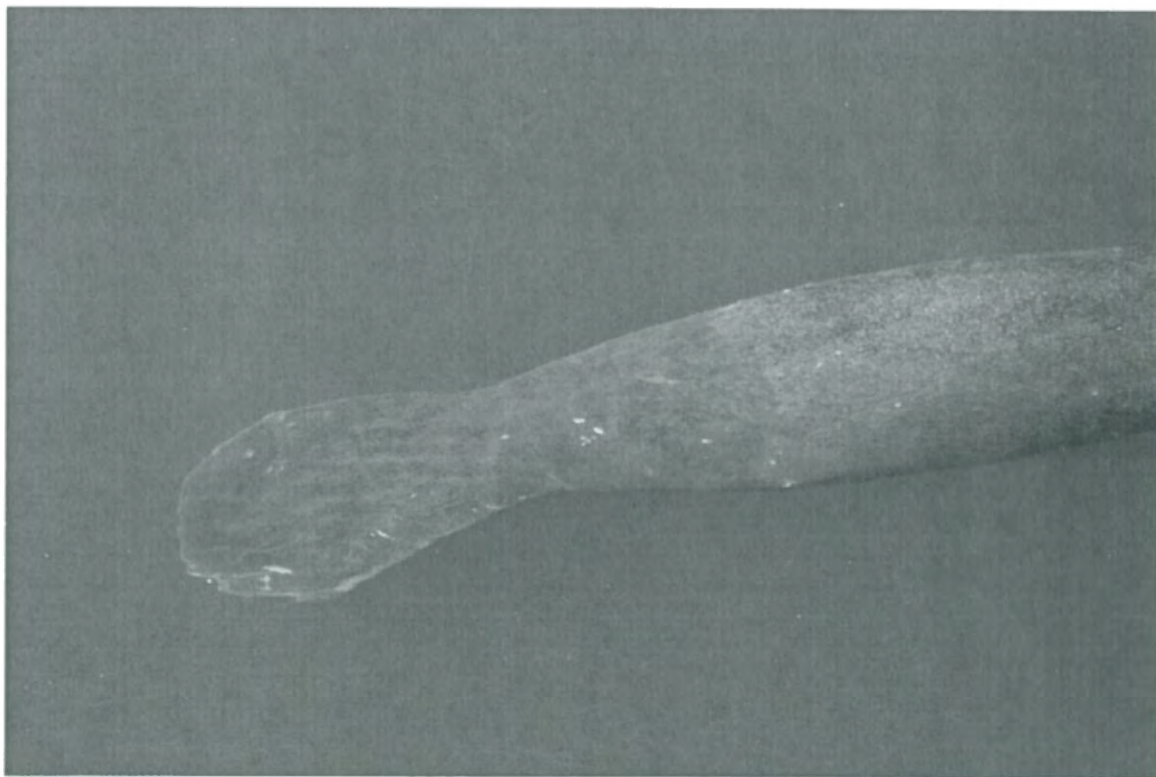
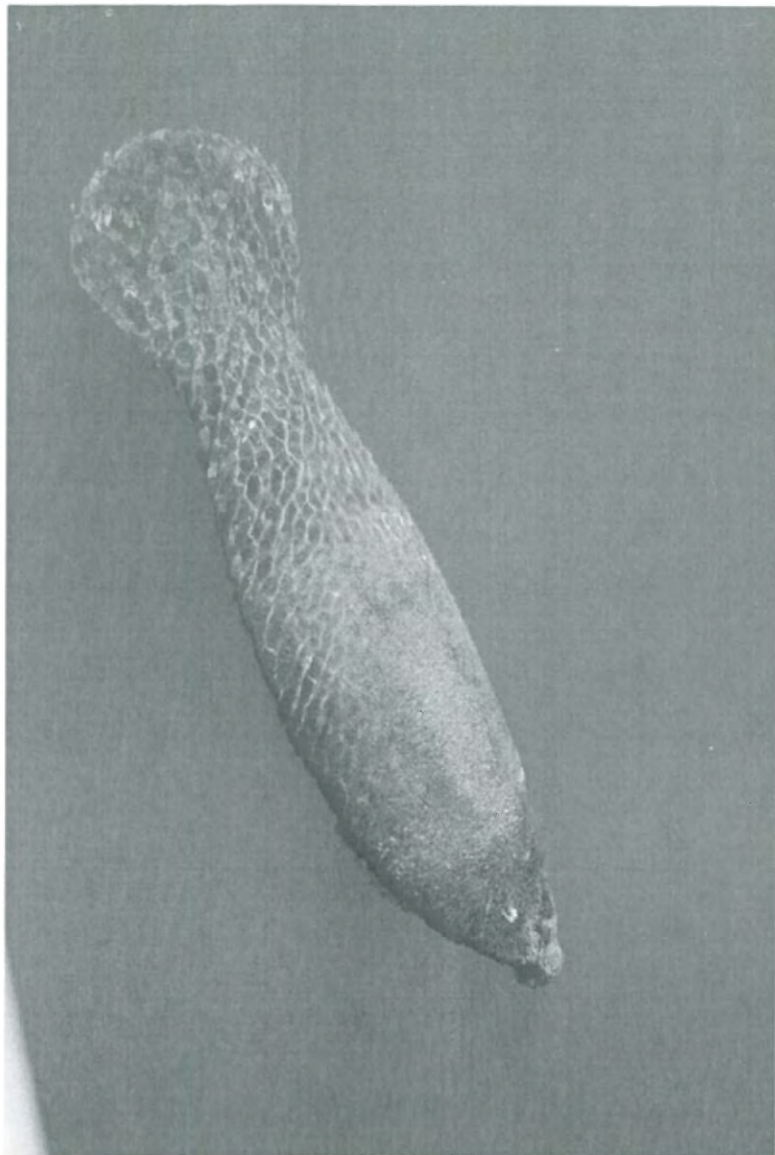
**REC1108**

Attachments: map, Photos FWC020\_2011\_01\_25:0366-0435

cc: FWRI, Field Labs, ISM, SWF, FWS

## Rescue Report

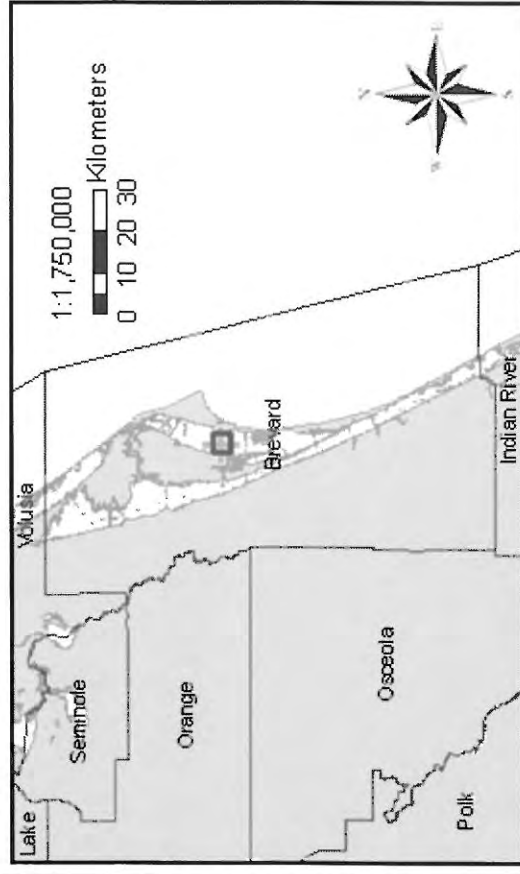
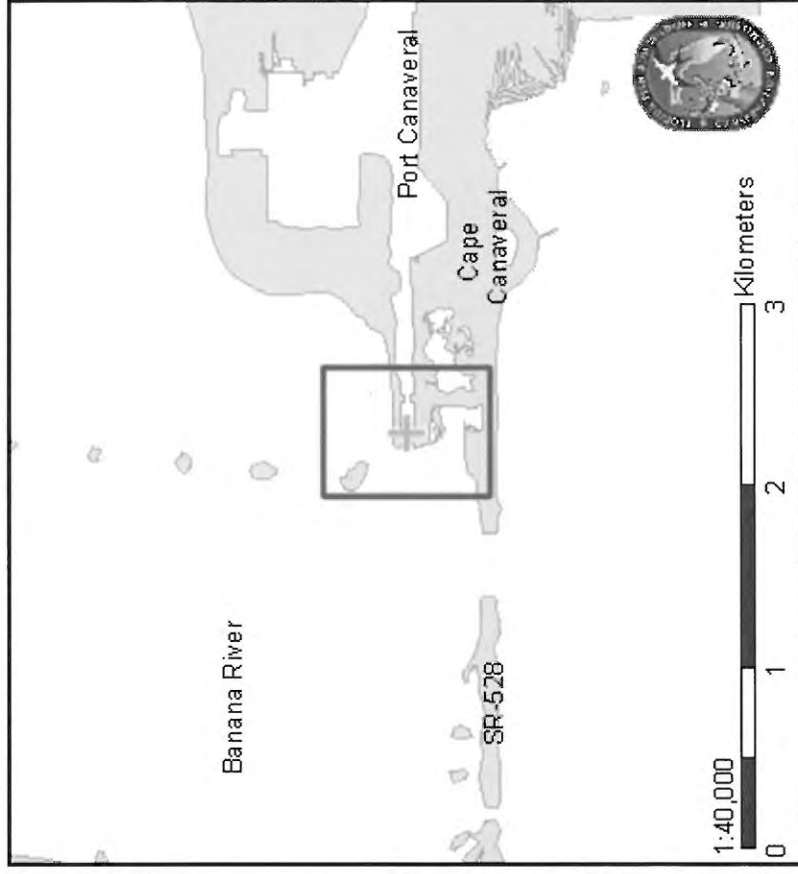




SWFTM1108K  
REC1109



# Verified Rescue Location of Manatee REC1109/SWFTm1108



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
24	1	2011	REC1109	28.409201	-80.639637	1/25/2011	FWC, SWF	CMR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 31 March 2011

**SUBJECT:** The rescue and relocation of a manatee from the Port Canaveral Lock Chamber on 25 January 2011 (REC1109/SWFTm1108b).

The attached rescue report for **REC1109** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

Entered  
3/15/11  
JDS

**Manatee Information (MLog:1265 )**

Animal ID: **SWFTm1108B** Sex: **F** Name: Rearing: **Wild reared**

-- Rescue Information -----

**Rescue Date:** 01/25/2011 **Rescue Per Day:** 1

**Rescue Type:** Assist and release

**Primary Cause:** Other Human Related Other Human Related

**Primary Cause Text:** Lock under repair.

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Unknown

**Suspected Pregnant:** No information on potential pregnancy is known

REC1109

-- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Cape Canaveral

**Waterway:** Port Canaveral

**Latitude:** 28.409201 **Longitude:** -80.639637

**Relocated, where?:** Canoe beach west of the Port Canaveral Lock, in the Banana River

**Did animal die during rescue or transport?:** No

-- Measurement -----

**Weight (kg):** 500 **Estimated Weight?:** Yes **Date Weighed:** 01/25/2011

**Length (cm):** 278 **Estimated Length?:** No **Date Measured:** 01/25/2011

-- Other Rescue Information -----

**Tracker:** **Transporter:**

**Facility transported to:**

**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida

**Participating Org:** FWC-Indian River Field Lab US army Core of Engineers SWF Rescue crew

**Flood Gate:** **Pot Status:**

**Additional Narrative:** Animal was locked inside the Port Canaveral Lock Chamber and was unable to pass thru the west gate into the Banana River side due to work being done on gate.

-- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/06/2011

**Updated By:** Donna Szemer **Updated Date:** 03/15/2011

**Manatee Information (MLog:1265 )**Animal ID: **SWFTm1108B** Sex: **F** Name: Rearing: **Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left **Date Applied:** 01/25/2011 **Tag ID** 0006DE5388**Tag ID** 0006DE5388**Information:** Animal was pit tagged in the left shoulder prior to being released.**Event:** Rescue **Event Date** 01/25/2011

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/06/2011**Updated By:** D **Updated Date:** 03/06/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right **Date Applied:** 01/25/2011 **Tag ID** 0006DF0A51**Tag ID** 0006DF0A51**Information:** Animal was pit tagged in the right shoulder prior to being released.**Event:** Rescue **Event Date** 01/25/2011

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 03/06/2011**Updated By:** D **Updated Date:** 03/06/2011*Entered  
Captive*



# Rescue Report

Resc 1 Dth

2/4/11

Natural Cold Stream

Entered 3/16/11 JSS

## GENERAL:

Date of Rescue: 04 February 2011	Date of Initial Call: 02 February 2011	Filed by: M. Lizotte/C. Rush
Rescue ID#: REC1111	Facility ID: SWFTm1110	FWC Case: 0938
Officer Name: N/A		
Sex: Male	Length: 229 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R
LOCATION:		L
State: FL	City: Satellite Beach	County: Brevard
Waterway: (Desoto Canal)		Banana River
Latitude (Decimal Degrees): 28.164504°N		Longitude (Decimal Degrees): -080.603017°W
Locality Description: In canal/ditch behind Desoto Lane.		
Method of Capture: Walked net around manatee.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook           |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy           |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap           |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify |

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☐ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
02 February 2011, at 1431 hrs:	FWC-biologist Ann C. Spellman (ACS) responded to a page from FWC-dispatch Orlando regarding an injured manatee in Satellite Beach, Brevard County. FWC case number 0938 was assigned. According to the complainant, Mike Sims (386-228-5214), there was a manatee behind his residence at 8920 South Tropical Trail that was unresponsive to boats, wouldn't submerge, and was breathing rapidly. ACS and FWC-biologist Christine N. Rush (CNR) responded to the scene by 1530 hrs and were able to verify the animal as cold stressed. Due to the time of day, a rescue was planned for the following day.
03 February 2011	Mike Sims called ACS and informed her that the manatee had returned to the location behind his house. ACS, and FWC-volunteer Jaclyn E. Ludema (JEL), verified that it was the manatee of concern from the previous evening. CNR responded to the scene later, after responding to another call and gathering the rescue gear and transport vehicle from the fish crew. ACS called SWF-Steve Lehr to request rescue assistance. Before SWF arrived at the location, visual was lost on the animal. A manatee was spotted a few minutes later and was thought to be the desired manatee. The rescue crew was unable to obtain a visual since the manatee would come up too quick and would stay down for an extended amount of time. The manatee was staying in the small system, but going back and forth. So, while the manatee's location was known, the net was deployed off the SWF boat across the canal. More attempts were made to get a visual, by spreading the majority of the crew out by land, but the manatee hit

## Rescue Report

the net first, so it was pulled onto the boat. Unfortunately, it was not the desired manatee; rather, it was a known manatee that frequented the DeSoto Canal named "Demon." He appeared to be in great health and was returned immediately.

04 February 2011, at 1200 hrs:

ACS received a call from FWC-volunteer Brenda Noke regarding a lone, lethargic manatee with green algae growth on the dorsum in the ditch connected to the Desoto Canal. ACS passed the information along to CNR. CNR, JEL and FWC-biologist Megan E. Lizotte (MEL) arrived on the scene by 1330 hrs. CNR determined the animal to be the desired manatee from the rescue attempt the day before. CNR called the Satellite Beach Fire Department (SBFD) to see if they could assist in a rescue. The SBFD arrived on the scene by 1400 hrs. After briefing the rescue crew, CNR, MEL and JEL walked a hand net around the manatee and pulled it to the east bank of the Desoto ditch. After pulling the manatee onto the bank by 1430 hrs, the rescue crew loaded the manatee into an FIM suburban. The manatee was then transported to SeaWorld, arriving by 1600 hrs. Upon arrival at SeaWorld, the manatee started to hold its breath and struggle. After being placed in the water, the animal continued to hold its breath and refused assistance from SWF staff and CNR. At 1630 hrs, the manatee was determined to have expired. The carcass was stored in the SWF cold room over night.

05 February 2011: CNR recovered the carcass from SWF and transported it to the MMPL.

### Participants

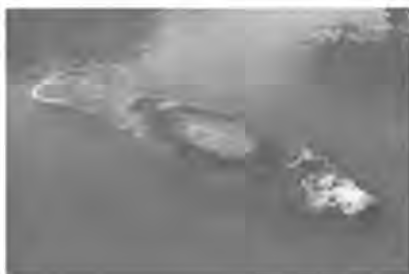
FWC: C. Rush, M. Lizotte, J. Ludema (volunteer), Satellite Beach Fire Dept.

### REC1111

Attachments: map

Photographs: FWC020\_2011\_02\_04:1115-1170, 1242-1319, 1324-1337

Cc: FWRI- Mammals, N. Adimey, ISM, SWF

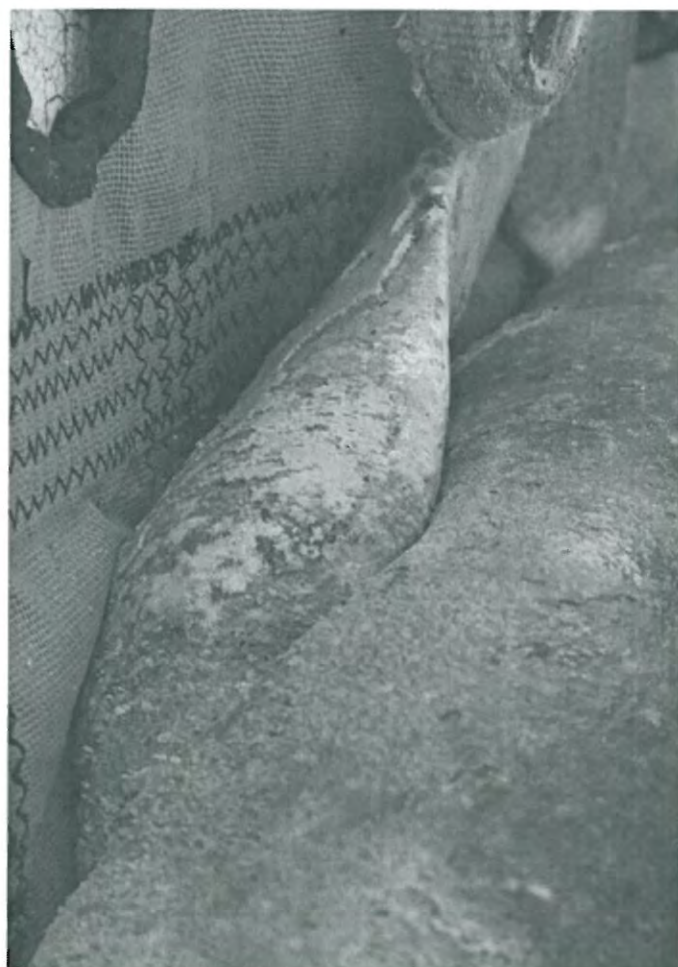






SWFTHAND  
REC III



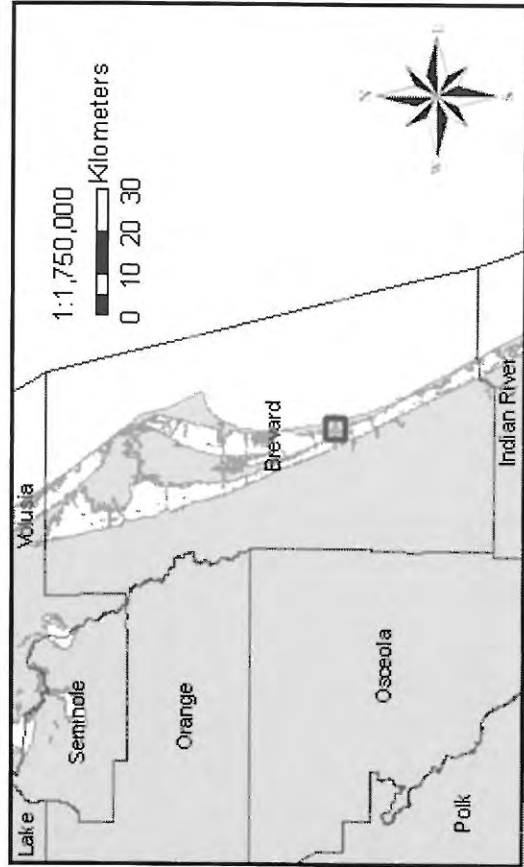
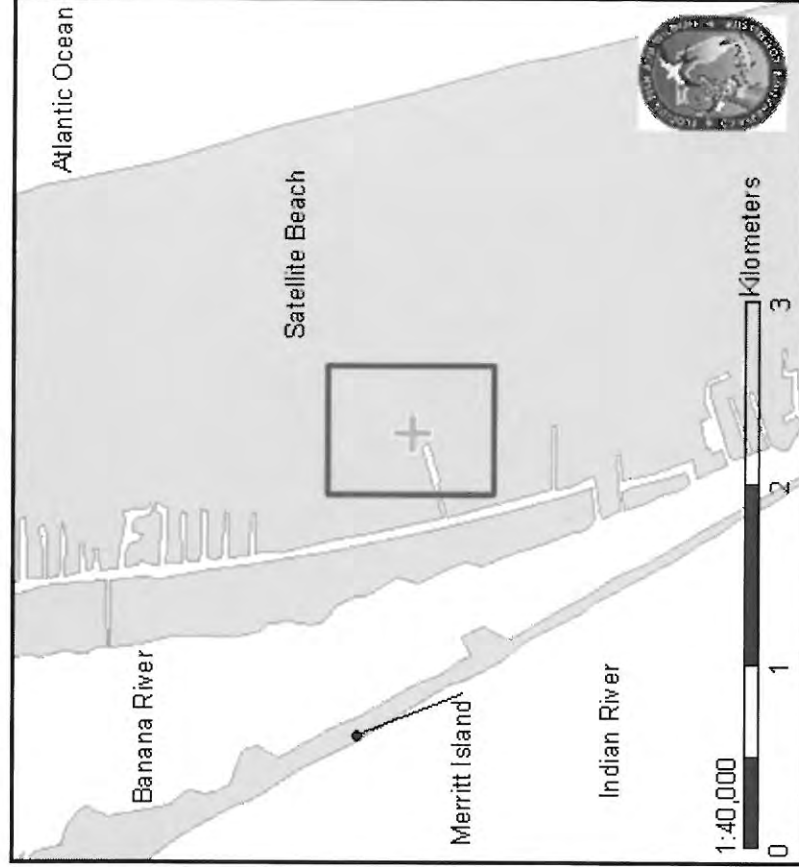


SWFTM1110B  
REC111

# Verified Rescue Location of Manatee REC1111/SWFTm1110b



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
2	2	2011	REC1111	28.164504	-80.603017	2/4/2011	FWC, SBFD	CIIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Megan Lizotte and Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 04 March 2011

**SUBJECT:** The rescue of a cold stressed manatee from Satellite Beach in the Desoto Canal  
on 04 February 2011 (REC1111/SWFTm1110).

The attached rescue report for **REC1111** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



**Manatee Information (MLog:1266 )**

Animal ID: **SWFTm1110B** Sex: **M** Name: Rearing: **Wild reared**
*Entered  
3/16/11  
DJS*
**-- Rescue Information -----**
**Rescue Date:** 02/04/2011 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Natural Cold Stress
**Primary Cause Text:**
**Secondary Cause:**
**Secondary Cause Text:**
**Health Status:** Critical

**Suspected Pregnant:** Animal sex is male or unknown

*REC111*
**-- Rescue Location Information -----**
**State:** FL **County:** Brevard **City:** Satellite Beach

**Waterway:** DeSoto Canal, off the Banana River

**Latitude:** 28.164504 **Longitude:** -80.603017

**Relocated, where?:**
**Did animal die during rescue or transport?:** No

**-- Measurement -----**
**Weight (kg):** 258 **Estimated Weight?:** No **Date Weighed:** 02/07/2011

**Length (cm):** 229 **Estimated Length?:** No **Date Measured:** 02/07/2011

**-- Other Rescue Information -----**
**Tracker:** **Transporter:** FWC Indian River Field Station

**Facility transported to:** SeaWorld Florida

**Veterinarian:** Laura Croft **Organization:** SeaWorld Florida

**Participating Org:** FWC-Indian River Field Lab SWF

**Flood Gate:** **Pot Status:**
**Additional Narrative:** Animal died soon after arriving at SWF and was picked up by FWC the next day 2/5/2011 and taken to MMPL

**-- Report Information -----**
**Created By:** Bob Wagoner **Created Date:** 03/06/2011

**Updated By:** D **Updated Date:** 03/06/2011



# 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 # SWFTm1110b

Date of Report: 2011-Feb-04

Filed By: FWC MMPL

FWC Case # 0938

FWC Region: NE

Sex: Male

Length: 229.0 cm

Weight: 258.0 kg

DATE REPORTED: 2011-Feb-04

By: FWC-CNR

DATE COLLECTED: 2011-Feb-05

By: FWC-CNR

DATE NECROPSIED: 2011-Feb-07

By: MMPL-MdW, ARH, BLB FWRI-DEF

LOCATION: State: FL

Latitude: 28.164504 N

County: Brevard

Longitude: -80.603017 W

Waterway: Banana River

Locality description: Satellite Beach, Satellite Beach, in the canal behind 601 DeSoto Lane.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

## Explain:

Thickened, spongy, bleached, raw, ulcerating epidermis; cold stress lesions; thick mud, algal layer; serous fats; wet, foamy lungs; foam airways; empty GI tract; congested bladder mucosa; black specks parietal pleura.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Scar, Fluke

## MATERIALS COLLECTED:

genetics, earbone, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

## ADDITIONAL DATA:

rescue report.

## REMARKS:

PIT tag scan negative. See rescue report REC1111. Died at approximately 1630 hrs on 04 Feb. Propeller scrapes fluke.

Page 1&2	21 AUG 2012
Necropsy Report	21 AUG 2012
Lat/Long	31 AUG 2012

# Rescue Report

Entered  
3/11/11  
DJS

Resc/Rel  
27/12  
Natural  
Cold Stress

## GENERAL:

Date of Rescue: 08 February 2011	Date of Initial Call: 08 February 2011	Filed by: A. Spellman
Rescue ID#: REC1112	Facility ID: SWFTm1111	FWC Case: n/a
Sex: Male	Length: 21 <sup>8</sup> cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Sebastian	County: Indian River
Latitude (Decimal Degrees): 27.799254°N		Waterway: Sebastian River (south prong)
Locality Description: South prong of Sebastian River in a small cove		Longitude (Decimal Degrees): 80 28.508428°W
Method of Capture: Hoop net from boat		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe: \_\_\_\_\_

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:** \_\_\_\_\_

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type:: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments: \_\_\_\_\_

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
08 February 2011 1215h	<p>FWC-biologist C. Rush (CNR) received a call from FWC-volunteer and kayak tour company guide S. Cox (SC) regarding a small manatee in distress that he had found in the south prong of the Sebastian River. According to SC the manatee was a lethargic sub-adult with a white face that was taking a breath every 30 seconds and attempting to beach itself on shore. He also mentioned it was not using its flippers and had them clamped to its side.</p> <p>CNR responded to the call and met up with SC and FWC- Ofc. B. Bresie (BB) at the Dale Wimbrow boat ramp. CNR was able to locate the manatee and confirmed that it was in need of medical attention. CNR then contacted FWC-biologist A. Spellman (ACS) ACS and FWC-volunteer J. Ludema (JEL) and asked for their assistance and additional rescue gear. ACS and JEL loaded the necessary rescue equipment including a hoop net and met up with CNR, BB and SC at the Dale Wimbrow Boat ramp. Once back in the small cove, staff was able to locate the manatee again as it was staying at the surface taking shallow breaths close to shore.</p> <p>Using the LE boat, Ofc. Bresie worked the staff alongside the manatee. The manatee was slowly scooped into the net with little resistance. Staff used an extra line tied to the frame of the net to provide better control of the hoop. Once in the net, ACS and CNR entered the water to slide a stretcher under the manatee. Pulling the boat into shallower water gave the crew the leverage needed to pull and push the manatee over the side and onto the deck. Once on</p>

## Rescue Report

the deck the manatee was kept in the net to provide better control should it start to flail. Thermal and wool blankets were placed over the manatee and it was protected from the wind. Water was periodically poured over the face to stimulate breathing. Once back at the boat ramp the manatee was quickly transferred out of the net and into the rented U-Haul. It was taken to Sea World by ACS, CNR and JEL.

### Participants:

FWC: A. Spellman, C. Rush, Volunteers J. Ludema and S. Cox and Ofc. B. Bresie

### REC1112

Attachments: map

Photos: FWC020\_2011-02-08\_1519-1555

cc: FWRI, Field Labs, ISM, SWF, FWS

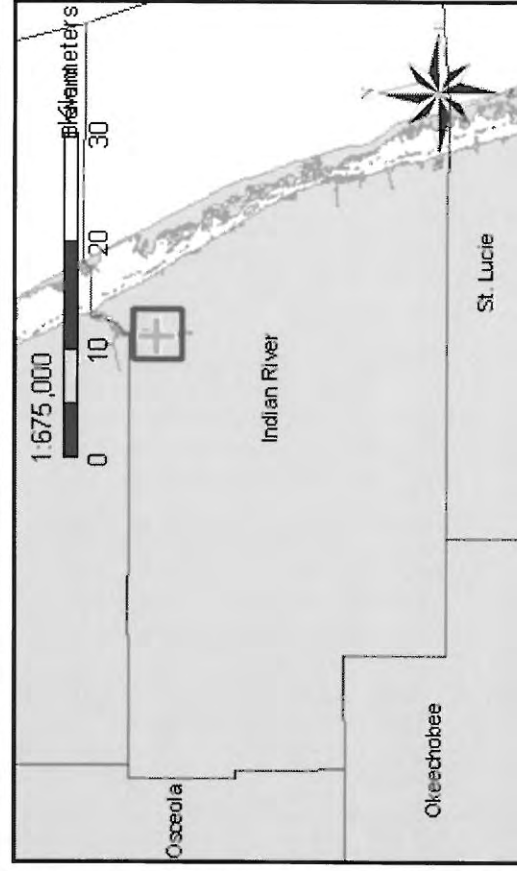
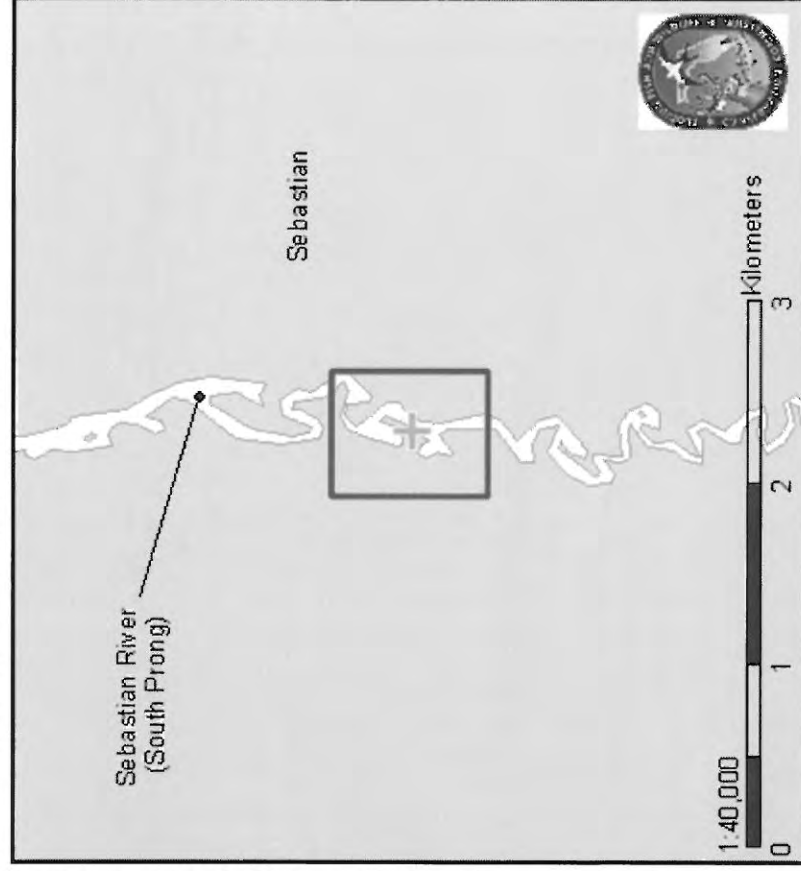






SWFM1111B  
REC1112

# Verified Rescue Location of Manatee REC1112



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	REC DATE	REC BY	MAP BY
8	2	2011	REC1112	27.799254	-80.508428	2/8/2011	FWC	CIIR

**Manatee Information (MLog:1276 )**Animal ID:**SWFTm1111B** Sex:**M** Name:**Bodacious** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 07/07/2011    **Tag ID** 0006F3F249**Tag ID** 0006F3F249**Information:** Pit tagged in left shoulder area with #0006F3F249 for future release.**Event:** Rescue    **Event Date** 02/08/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 08/01/2011**Updated By:** D    **Updated Date:** 08/01/2011

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 07/07/2011    **Tag ID** 0006F3C94C**Tag ID** 0006F3C94C**Information:** Pit tagged in right shoulder area with #0006F3C94C for future release.**Event:** Rescue    **Event Date** 02/08/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 08/01/2011**Updated By:** D    **Updated Date:** 08/01/2011

*Entered  
Capture  
+  
PIT  
2/1/12  
DSS*

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman  
Marine Mammal Biologist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 10 March 2011

**SUBJECT:** The rescue of a cold stressed, sub-adult, male manatee from the south prong of the Sebastian River, in Indian River County on 08 February 2011 (REC1112/SWFTm1111).

The attached rescue report for **REC1112** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Wednesday, February 08, 2012 8:17 AM  
**To:** Cathy A Beck; Szemer, Donna  
**Subject:** Release of Bodacious at Berkeley today - *Released 2/7/12 w/ "Mud Puppy"*  
**Attachments:** FWC020\_2012-02-07\_4999.jpg; FWC020\_2012-02-07\_5000.jpg; FWC020\_2012-02-07\_5003.jpg; FWC020\_2012-02-07\_5010.jpg

Bodacious

REC1112/SWFTm1111 rescued on 8 Feb 11 from south prong of Sebastian River for CSS Male, 258cm, 800#

R: 00-06F3-C94C L:00-06F3-F249

Photos attached

Ann C. Spellman

Marine Mammal Biologist

Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave., Ste 285 Melbourne, FL 32901

Phone: 321-953-5037

Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

*Entered  
3/5/12  
DS*



SWFMM  
REC117  
"Buda eon"



Check Road Runner Email

13 NEWS historically on bright house

Feb 21 12:55:14 PM Temp: 74°

Explore Orlando Like a Local orlando visitor network

NEWS WEATHER TRAFFIC SPORTS ON THE TOWN COMMUNITY POLITICS BUSINESS LOTTO VIDEO

Brevard Flagler Lake Marion Orange Osceola Seminole Sumter Volusia State National Space Health Español

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## SeaWorld releases 2 manatees into Banana River



Mud Puppy - SWFTM1103B  
Bodacious - SWFTM1111B

Last Updated: Wednesday, February 08, 2012 7:50 AM

**SATELLITE BEACH** -- Tuesday morning SeaWorld Orlando's animal care team traveled to Satellite Beach, a warm-water site, to release two manatees into a side canal off of the Banana River.

Both animals were rescued and transported to SeaWorld Orlando last winter by the Florida Fish & Wildlife Conservation Commission, who was also on-site assisting with release.

Mud Puppy, a 765-pound manatee, was rescued from the Indian River in Indian Lake in January 2011. Bodacious, an 800-pound manatee was rescued from the San Sebastian River in Sebastian, Fla. in February of 2011. Both were rescued due to cold stress.

During their first week at SeaWorld Orlando, the animals received supportive care with antibiotic treatments and were tube-fed fluids to keep them hydrated. During the rest of their rehabilitation, the manatees were well fed and monitored until their release.

Both animals were tagged with transponders by the FWC, who will continue to monitor them. Should they need to be rescued again, they will have a way to identify each animal. SeaWorld's animal care team states that the animals are healthy and active, and that the release was successful.

For 45 years, SeaWorld Parks & Entertainment has helped animals in need -- ill, injured and orphaned. More than 20,000 animals have been rescued by our experts. SeaWorld's animal rescue team is on call 24 hours a day, 7 days a week. Last year alone, SeaWorld rescued 19 and released 16 manatees.

# Rescue Report

Entered  
3/19/11  
DSS

Rescue/Rel  
Natural  
Cold Stress  
6/1/11

## GENERAL:

Date of Rescue: 11 February 2011	Date of Initial Call: 11 February 2011	Filed by: M. Lizotte
Rescue ID#: REC1113	Facility ID: LPZ102891	FWC Case: N/A
Sex: Female	Length: 248 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R
LOCATION:		
State: FL	City: Satellite Beach	County: Brevard
Latitude (Decimal Degrees): 28.164508°N		Longitude (Decimal Degrees): -080.603015°W
Locality Description: In canal/ditch behind Desoto Lane.		
Method of Capture: Walked net around manatee.		

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft   ☐ Entanglement   ☐ Entrapment   ☐ Orphan   ☒ Cold Stress

☐ Red Tide   ☐ Other: (Specify):

## Watercraft

Check one of the following:

☐ Propeller   ☐ Skeg   ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

<input type="checkbox"/> Monofilament Line	<input type="checkbox"/> Hook
<input type="checkbox"/> Net	<input type="checkbox"/> Buoy
<input type="checkbox"/> Polyprop/Nylon Line	<input type="checkbox"/> Trap
<input type="checkbox"/> Sinker	<input type="checkbox"/> Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#:                      Color:                      Line Type:

**Damage from Gear:**

☐ No Damage                      ☐ Abrasions

☐ Breaking Skin Surface      Depth of Entanglement Penetration: \_\_\_ cm

Comments:

Gear Retained? ☐ Y   ☐ N



# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
11 February 2011, at 0930 hrs:	FWC-biologist Ann C. Spellman (ACS) received a call from FWC-volunteer Brenda Noke (BN), regarding a potential distressed manatee in the Desoto Canal ditch, in Satellite Beach, Brevard County. ACS, who was off duty at the time, passed the information to FWC-biologist Christine N. Rush (CNR). At the time, CNR was looking for a carcass, so CNR sent FWC-biologist Megan E. Lizotte (MEL) to the scene to check on the animal. MEL arrived at the scene by 1000 hrs. Upon arrival, MEL determined that the animal was severely cold-stressed and would need to be rescued. MEL called CNR to inform her of the animal's condition. CNR instructed MEL to call the appropriate people to coordinate a rescue and to try to find volunteers to assist. In the mean time, CNR went back to the ECFL field station to obtain the proper rescue equipment, rent a truck for transport, and called ACS to request her assistance in the rescue. CNR also contacted FWC-volunteer Leo J. Cross (LJC) and requested he assist. MEL arranged for Hubbs-SeaWorld biologists Megan Stolen (MS) and Wendy Noke (WN), plus two volunteers, Kasie Farrell (KF) and Sara Hassom (SH), to assist. Plans were also made to bring the rescued manatee to Lowry Park Zoo. All volunteers and rescue staff were present at the Desoto Canal by 1245 hrs. After being briefed on the rescue procedure by CNR, a hand net was walked around the manatee in the ditch and then pulled the animal to the eastern bank. The manatee was pulled up the banking and loaded into a rented transport truck by 1330 hrs. CNR, MEL, and LJC transported the manatee to the Lowry Park Zoo, arriving by 1530 hrs. Upon

## Rescue Report

arrival, the manatee started to hold its breath, so it was immediately placed in the warm-water tank.

### Participants

FWC: C. Rush, M. Lizotte, A. Spellman, L. Cross (volunteer)

Hubbs-SeaWorld: M. Stolen, W. Noke, K. Farrell (volunteer), S. Hassom (volunteer).

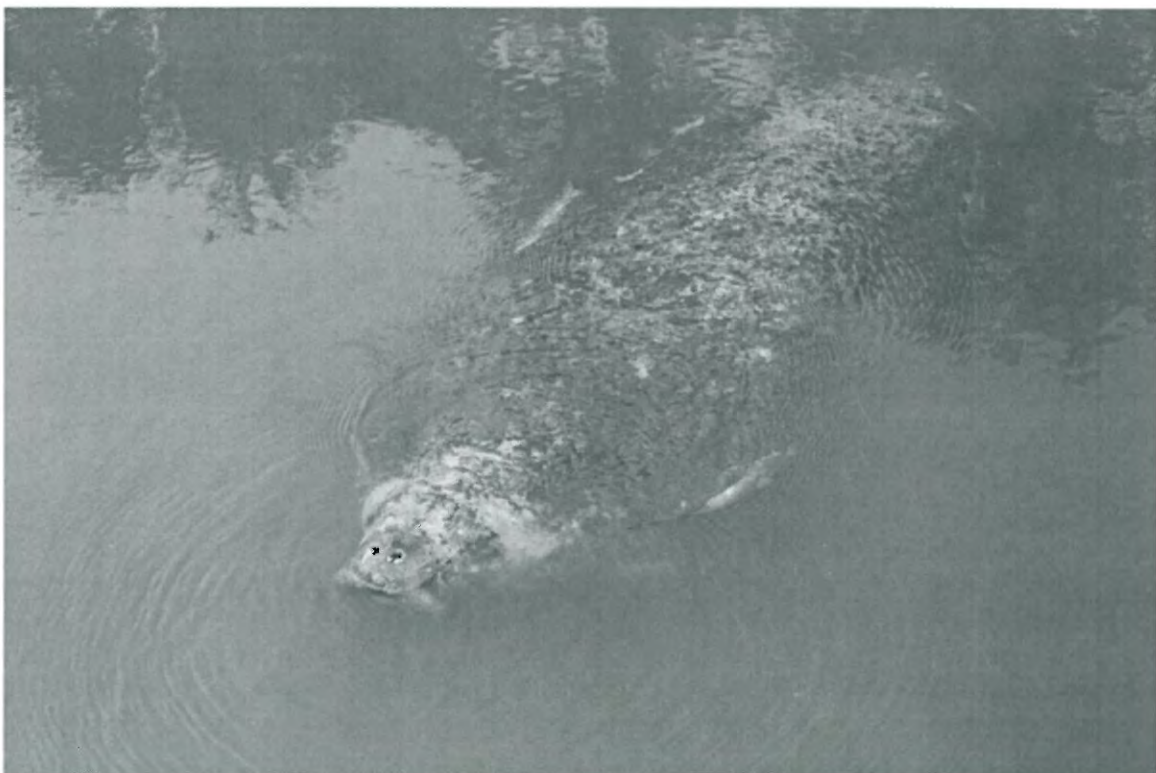
### REC1113

Attachments: map

Photographs: FWC020\_2011\_02\_11:1558-1566, 1581-1647

Cc: FWRI- Mammals, N. Adimey, ISM, Lowry Park Zoo





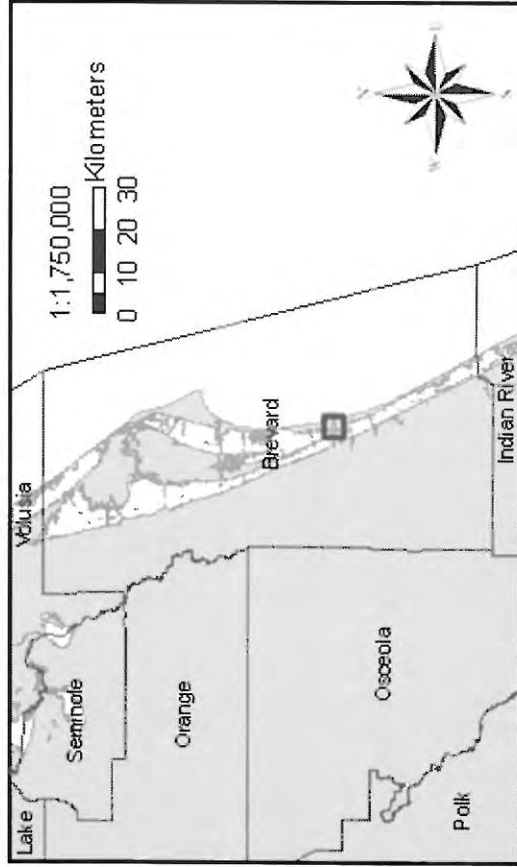
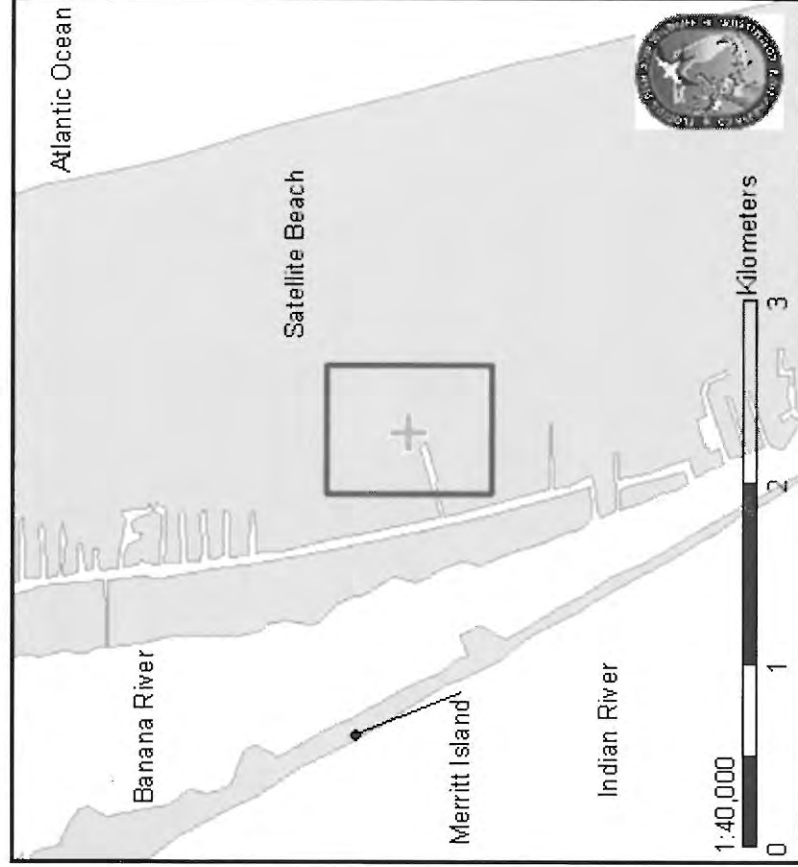
LP2102891 /REC113



# Verified Rescue Location of Manatee REC1113



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
11	2	2011	REC1113	28.164508	-80.603015	2/11/2011	FWC, Hubbs	CIR





## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate

**FROM:** Megan Lizotte, Research Scientist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 27 March 2011

**SUBJECT:** The rescue of a cold stressed manatee from Satellite Beach in the Desoto Canal on 11 February 2011 (REC1113/LPZ102891).

The attached rescue report for **REC1113** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-8626**

Manatee ID: LP2102891      Temporary ID: \_\_\_\_\_      Time Net Set: \_\_\_\_\_  
 Name: Plantain      Date: 11 May 2011      Time Captured (Onboard): \_\_\_\_\_  
 ID of its Calf / Mom: \_\_\_\_\_      Sex: M / (F)      Time On Beach: 10:09  
 Location: Lowry Park Zoo      Latitude: \_\_\_\_\_ N      Time Released: 10:48  
 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>810</u>	<u>940</u>	<u>130</u>
Lengths	Total Length (curvilinear) (cm)	<u>279</u>		
	Total Length (straight)	<u>257</u>		
	Snout to Peduncle	<u>186</u>		
	Snout to Anus	<u>162</u>		
	Snout to Umbilicus	<u>90</u>		
Girths	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc: <u>106</u> cm      Belt Loc: _____ in		
	Girth at Anus: <u>actual</u> or 1/2	<u>148</u>		
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>192</u>		
	Girth at Axilla: <u>actual</u> or 1/2	<u>144</u>		

ULTRASOUND		Reader Name: <u>Rigrey</u>		
Machine Model	Replicate No.	Umbilicus	Anus	Peduncle
Scanoprobe No.: <u>1 / 2</u>	<u>1</u>	<u>11 / 26</u>	<u>14 / 31</u>	<u>14 / 22</u>
Other:	<u>2</u>	<u>12 / 26</u>	<u>13 / 30</u>	<u>13 / 22</u>
	<u>3</u>	<u>11 / 26</u>	<u>14 / 30</u>	<u>13 / 22</u>

CONDITION	Body Score:      1      2      3      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:		<u>Rounded</u> / Flat / Concave		
	Ventrums:		<u>Rounded</u> / Flat / Concave / Ventral Folds		
	Fresh Wounds or Lesions:		Y / <u>(N)</u> (describe in comments)		
	Person(s) assessing condition:		<u>de Wit</u> <u>healed cold stress spectra on lateral aspects</u>		

REPROD. STATUS	Pregnant?      Y / N      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      None <u>Data Sheets?</u> Y / <u>(N)</u>
	Temperature: Oral      Naso-pharyngeal      Rectal      None      Y / <u>(N)</u>
	Respiratory Rate?      Y / <u>(N)</u> Y / <u>(N)</u>

Manatee-ID LPZ102891 Manatee Name: Plantain

Date: 11 May 2011

<b>FREEZE BRAND</b>	Letters/Numbers applied:	NO	Applied by:
	Location:		
<b>BLOOD</b>	Stick #	Start Time	End Time
	1		Flipper L / (R)
	2		L / R
	3		L / R
	Drawn by:		
	# Tubes of Blood Collected	Blue:	Red:   Purple:
		Green:	Yellow:   Other:
<b>PIT TAG</b>	Scanned for previous PIT tag?	(Y) N none PIT tagged at this capture? Y / N	
	PIT tagged by:		
	Right #	M. Lippencott 00-0672-2177	
	Left #	K. Rigney 00-0671-97C3	
<b>FLAG</b>	Color and Symbol		
<b>TELEMETRY</b>	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 _____ Color: _____	
	Belt Sonic ID: FWC _____	Freq: _____ kHz	Code: _____ PI: _____ msec
	Belt Knot / Webbing Exposed	Left / Right _____ inches	
	CR2a Programmed Release	Y / N Date/Time: _____	
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)
	Manufacturer	Onset	Salinity
	Logger ID Number		Star-Oddi
	Logger Location		
	dTag ID & VHF Frequency	ID #: _____	148: _____ MHz
	dTag Orientation Angles	dTag Pitch: _____ °	dTag Roll: _____ °
	Reference Orientation Angles	Ground Pitch: _____ °	Ground Roll: _____ °
	<b>TETHER</b> Strength / Length	Strength: _____	Length: _____ ft.
	Tether Sonic ID: FWC _____	Freq: _____ kHz	Code: _____ PI: _____ msec
	Tagged by:		
<b>PHOTOGRAPHS</b>	Taken by:	Ulch	
	Exposures:		
<b>SKETCHES</b>	Sketched by:	de Wit	

**Comments**

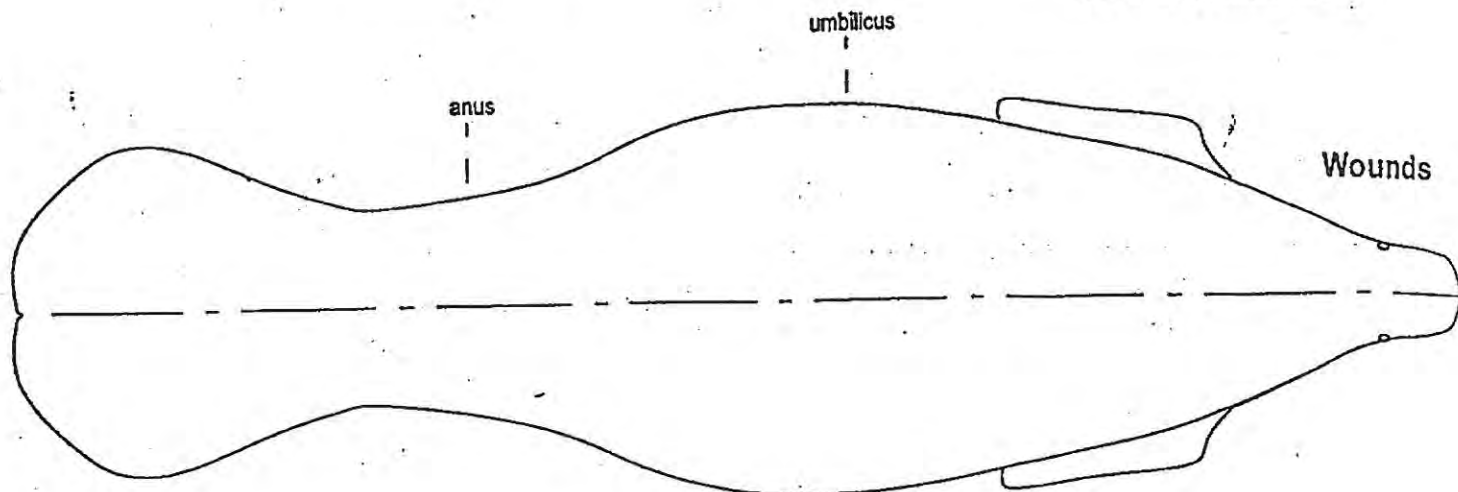
Swelling on (R) peduncle (previous injection site).  
 healed cold stress scars (speckled) + tail mutilation  
 radiograph @ flipper  
 Lodes great



Date 11 May 2011

LP2102891  
Field I.D. Plantain

c10-Old Necropsy | scar2dat | 30May01



Number

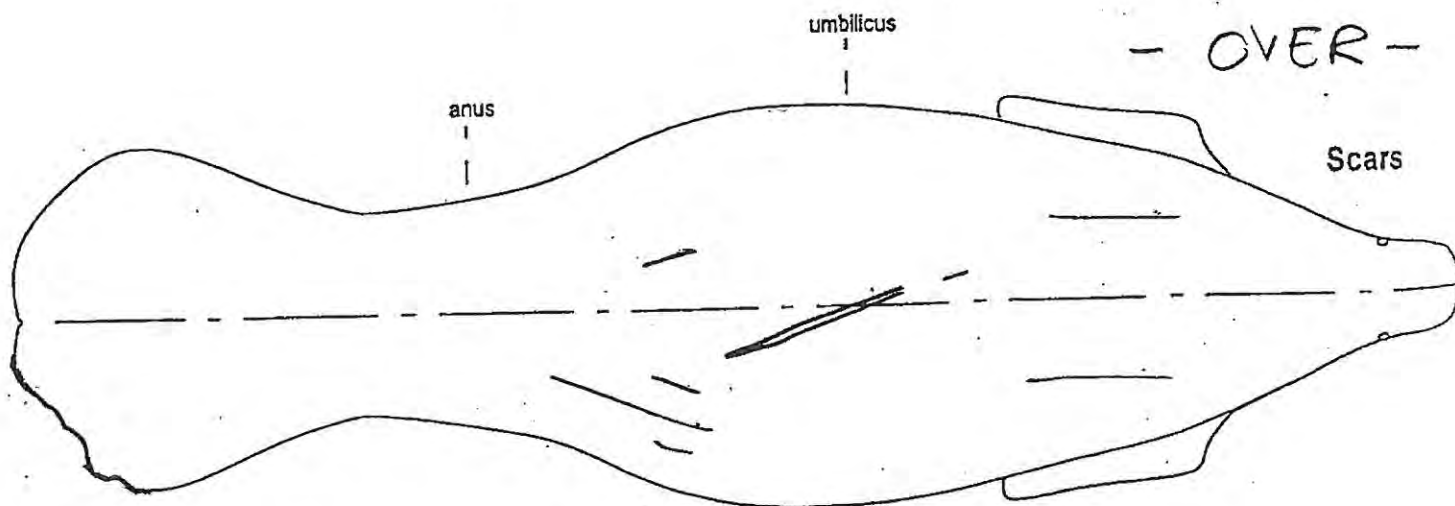
Length

Width

Depth

Distance

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20





FIELD I.D.

Plantain  
LP2102891

Scars

umbilicus

anus

umbilicus

male U/G

female U/G

anus

umbilicus

anus

LP2102891

## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Thursday, June 02, 2011 2:51 PM  
**To:** Szemer, Donna; Cathy A Beck  
**Cc:** Segelson, Carli; Garrett, Andy; MROSSBTL@aol.com  
**Subject:** Plantain released  
**Attachments:** FWC020\_2011-06-01\_3679.jpg; FWC020\_2011-06-01\_3680.jpg; FWC020\_2011-06-01\_3678.jpg

LPZ brought "Plantain" (REC1113/LPZ102891) over yesterday (06/01/2011) for release at Kars park, Banana river, Brevard county. No media attended. FWC and S2S in attendance to assist. Release went smoothly.

PIT Tags  
L:00-0671-97C3 R: 00-0672-2177

Weight: 801#  
TL (straight): 257cm

Cathy- Scar photos attached- we had to outline the really light gray scars so they could be seen. She is a Desos manatee from this past winter- cold stress related rescue.

Ann

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)



REC1113  
LP2102891  
"Plantain"



# Rescue Report

Entered  
3/10/11  
DSS

Resc / Rel  
1/30/12  
Natural  
Cold Stress

## GENERAL:

Date of Rescue: 15 February 2011	Date of Initial Call: N/A	Filed by: A. Spellman
Rescue ID#: REC1114	Facility ID: MSTm1107	FWC Case: N/A
Officer Name: Ofc. Bresie		
Sex: male	Length: 213	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R
LOCATION:		"Sluffy" L
State: FL	City: Sebastian	County: Indian River
Waterway: Sebastian River		
Latitude (Decimal Degrees): 27.805346°N		Longitude (Decimal Degrees): -080.507028
Locality Description: South prong of Sebastian River south of Dale Wimbrow Park		
Method of Capture: Hoop net off side of boat		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☒ Y ☐ N



## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
15 February 2011 1600hrs	<p>While searching for a manatee that had been hit by a boat in the Sebastian River, FWC-biologists A. Spellman (ACS), C. Rush (CNR), M. Lizotte (MEL) and ECFL volunteers J. Ludema and S. Cox along with FWC-Ofc. Bresie, encountered and very pale, lethargic manatee resting on the bank of the river, fully submerged. The manatee showed indications of severe cold stress (white sloughing skin, lethargy and emaciation) and its condition was deemed critical. Using a hoop net ECFL staff easily surrounded the sub-adult manatee and pulled it to the boat. ACS and CNR entered the water secure the manatee in a stretcher and to help lift the manatee over the side of the boat and onto the deck. The manatee was relatively docile during the process. It was quickly wrapped in a blanket but the net was left on the manatee until the crew returned to the dock to allow for better control should the manatee flail during the trip.</p> <p>Once back at the ramp, the net was removed and the manatee was loaded into a U-haul. It was again wrapped in a thermal blanket and wool blankets. With MEL and JEL attending to the manatee, ACS drove to Miami Seaquarium arriving just before 2000hrs. The manatee was taken into MSQ's facility for medical assessment. Staff returned to the field lab by 0230h the following morning after experiencing trouble with the U-Haul in Vero Beach.</p>

#### Participants

FWC: A. Spellman, C. Rush, M. Lizotte, volunteers: J. Ludema and S. Cox, Ofc. B. Bresie

## Rescue Report

REC1114

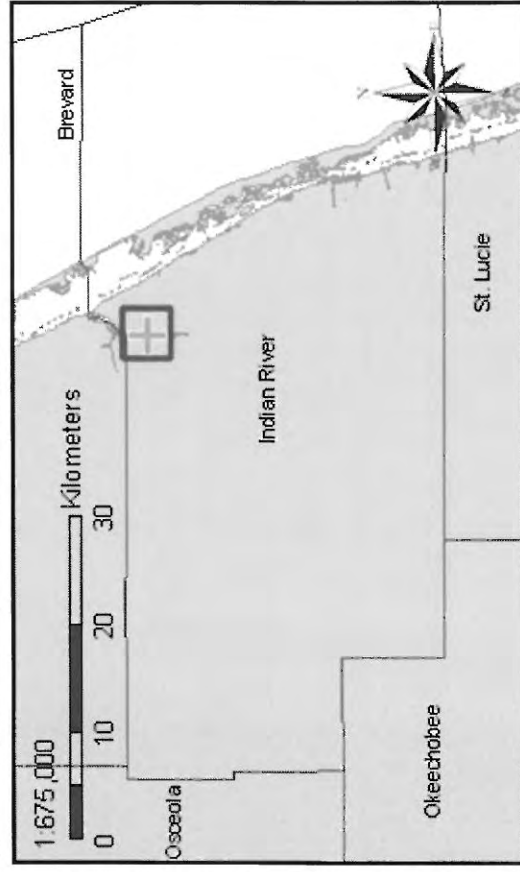
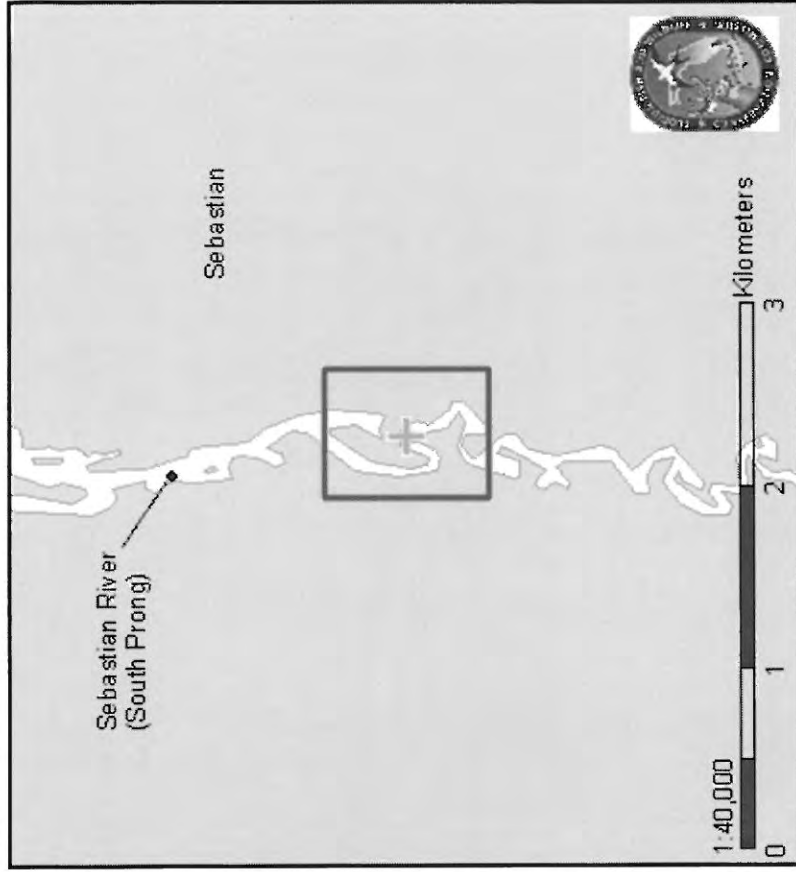
Attachments: map

Photographs: FWC020\_2011-02-15:2094-2107

Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, M. Rodriquez- MSQ



# Verified Rescue Location of Manatee REC1114



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
15	2	2011	REC1114	27.805346	-80.507028	2/15/2011	FWC	CHR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**FROM:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 09 March 2011

**SUBJECT:** The rescue of a cold stressed, sub-adult, male manatee from the Sebastian River on 15 February 2011 (**REC1114/MSTm1107**).

The attached rescue report for **REC1114** includes:

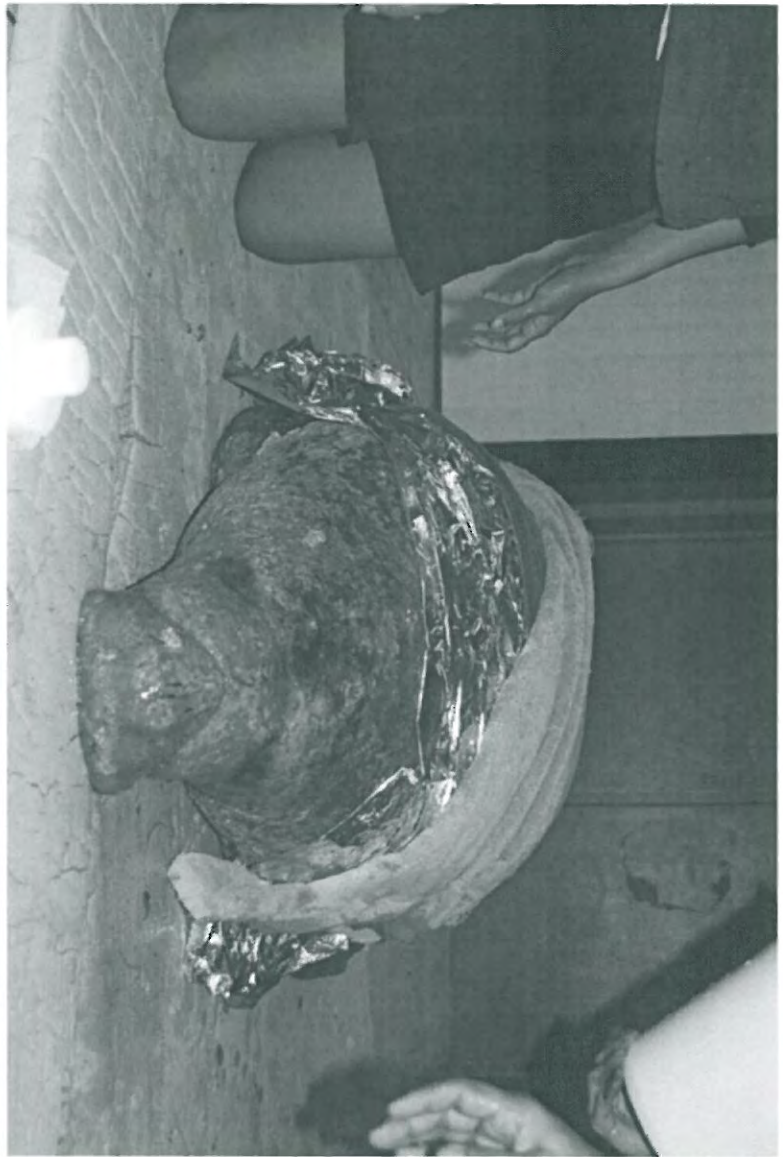
- ☒ Narrative (MS Word)
- ☐ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data





MSTM1107  
REC1114





MSTM1107  
REC1114



MSTM1107  
REC1114



## Szemer, Donna

---

**From:** mayadvn@msn.com  
**Sent:** Thursday, February 17, 2011 11:00 PM  
**To:** Garrett, Andy; art.yerian@dep.state.fl.us; bill.hughes@seaworld.com; boyd\_blihovde@fws.gov; cathy\_beck@usgs.gov; cbeck@usgs.gov; millerc@jacksonvillezoo.org; curator@lowryparkzoo.com; deWit, Martine; Frisch, Katherine; gzern@co.volusia.fl.us; Jacob, Katalin; jim\_reid@usgs.gov; jlinvill@msq.cc; jpowell@sea2shore.org; laura.eldredge@gmail.com; michael\_lusk@fws.gov; walshm@vetmed.ufl.edu; Mosier, Andrea; mrossbtl@aol.com; Nicole Adimey; pamela.sweeney@dep.state.fl.us; Quigley, Wendy; ray.ball@lowryparkzoo.com; rbonde@usgs.gov; Reinert, Tom; rose@msq.cc; robert.wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; steven.lehr@seaworld.com; susan.lowe@dep.state.fl.us; Szemer, Donna; virginia.edmonds@lowryparkzoo.com; Ward, Leslie  
**Subject:** RE: Rehab update  
**Attachments:** MSTm1107 2-17-2011.JPG

Update from MSQ: The cold stress this week from Ann's area is responding but very slowly, he came in with necrotic flippers and skin that came off in our hands. Attached is a picture of something that is helping us with the "stiff necks/frozen flippers" a life jacket put on backwards. (Thanks to Mike Walsh it was an old idea for sinkers)  
On a sad note, Peppermint the small cold stress from January passed away. She had responded well but then began passing foreign objects (mono line, bubble wrap, plastic pieces, a lure) radiographs, 2 endoscopies, barium series, many tubings and enemas but she still deteriorated even though she ate off and on.  
Woodstock the orphan from POI is taking turns latching on to the Ladies in or main pool but still gets plenty of lettuce, Pachyderm cold stress from Ft. Pierce has not stopped eating since she began. Oh pregnant boat strike Celebrity responded very well and rapidly and was released this week.  
Maya

> From: Andy.Garrett@MyFWC.com  
> To: Art.Yerian@dep.state.fl.us; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy\_Beck@usgs.gov; cbeck@usgs.gov; millerc@jacksonvillezoo.org; curator@lowryparkzoo.com; Martine.deWit@MyFWC.com; Katherine.Frisch@MyFWC.com; gzern@co.volusia.fl.us; Katalin.Jacob@MyFWC.com; jim\_reid@usgs.gov; jlinvill@msq.cc; jpowell@sea2shore.org; laura.eldredge@gmail.com; MayaDVM@msn.com; Michael\_Lusk@fws.gov; WalshM@vetmed.ufl.edu; Andrea.Mosier@MyFWC.com; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Pamela.Sweeney@dep.state.fl.us; Wendy.Quigley@MyFWC.com; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Tom.Reinert@MyFWC.com; rose@msq.cc; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Carli.Segelson@MyFWC.com; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Donna.Szemer@MyFWC.com; Virginia.Edmonds@LowryParkZoo.com; Leslie.Ward@MyFWC.com  
> Date: Wed, 16 Feb 2011 11:29:46 -0500  
> Subject: Rescue Alert  
>  
> Harbor Branch:  
>  
> A small adult entangled manatee was reported yesterday in the canal behind Harbor Branch by Harbor Branch staff. SEFL staff responded but the animal left they canal before they arrived. The manatee has been reported again today and SEFL staff will attempt to catch the animal. The entanglement sounds severe and is reported a body wrap (rope) that is deeply imbedded. MSQ is ready to receive the animal if captured.  
>  
> -Andy



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Monday, January 30, 2012 4:16 PM  
**To:** Szemer, Donna; Cathy A Beck  
**Subject:** Releases: "Sluffy" and "Bernice" today at Berkeley Canal  
**Attachments:** FWC020\_2012-01-30\_4819.jpg; FWC020\_2012-01-30\_4830.jpg; FWC025\_2012-01-30\_1847.jpg; FWC025\_2012-01-30\_1848.jpg; FWC025\_2012-01-30\_1851.jpg

(Breand Co  
Satellite Beh)

Hello- all went well with these two and here is the important info:

"Sluffy"

REC1114/MSTm1107

Rescued: 15 Feb 2011, South prong of Sebastian River for severe cold stress

Male 835 lbs, 244cm

R: 00-06F1-12B9 L: 00-06F2-83E4 - 1/26/12 @ MSQ

No freeze brand or tag

Photos attached

Entered  
Captive  
2/3/12  
PIT on  
2/6/12

"Bernice"

REC1001/SWFTm1001/MSTm1111

Rescued: 12 Jan 2010, north shoreline of Sebastian Inlet State Park- Orphaned and cold stress

Female 835 lbs, 252cm

R: 00-06F1-0992 L: 00-06F2-7AE9 - 1/11/12 @ MSQ

Freeze brand "J3"

Satellite Tag: red and orange with yellow and white antenna; freq:879; Tag#: 64241; yellow belt Photos attached to next email

Ann C. Spellman

Marine Mammal Biologist

Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901

Phone: 321-953-5037

Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)





M5TM1107  
REC1114  
"Sluffy"





MSTM1107  
REC1114  
"Sluffy"

# Rescue Report

Entered  
5/28/11  
DSS

Rescue / DYN  
Call by self 5/28/11

## GENERAL:

Date of Rescue: 19 April 2011	Date of Initial Call: 19 April 2011	Filed by: M. Lizotte
Rescue ID#: REC1116	Facility ID: SWFTm1113b	FWC Case: 3790
Officer Name: N/A		
Sex: Male	Length: 95 cm	Estimated: No
PIT Tag Applied: No PIT Tag Present: No		
LOCATION:		
State: FL	City: Cocoa Beach	County: Brevard
Waterway: Banana River		
Latitude (Decimal Degrees): 28.342468°N		Longitude (Decimal Degrees): -080.630654°W
Locality Description: South of SR. 520 on the east side of the river, west of Shell Point.		
Method of Capture: Hand caught		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☒ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:



## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
19 April 2011, at 1142 hrs.	FWC-biologist Ann C. Spellman (ACS) received a text from FWC-dispatch Orlando regarding a possible orphaned manatee in Cocoa Beach, Brevard County. FWC case number 3790 was assigned. According to the complainant, Gene McCormick (321-536-5489), there was a small manatee floating alone near the Cape Canaveral Hospital. ACS called the complainant to verify size and location. The complainant informed ACS that the animal was south of the hospital and south of SR 520 and west of Shell Point. He also said that the animal was about 3 ft long and not moving very much. ACS informed him that she and FWC-biologist Megan E. Lizotte (MEL) were in the area and could be at the Bicentennial boat ramp in 20 minutes. The complainant told ACS that he was still in his boat and that he could meet ACS and MEL to take them to the animal. ACS and MEL arrived at the boat ramp by 1200 hrs, where they met with the complainant. The complainant took them to the animal, which was north of a mangrove system. The orphaned calf was verified by 1210 hrs as floating in about 2 ft of water. No other manatees were in the area. ACS and MEL got out of the boat and slowly walked up to the calf. The calf was mildly responsive, but not moving very much. There were no other manatees in the area. At 1215 hrs, ACS was able to reach down into the water and easily extract the calf the animal with little resistance. The calf was then wrapped in a sheet and brought back to the boat ramp. The calf was further wrapped in a

## Rescue Report

towel and laid on the seat in between MEL and ACS in the truck while en route to SeaWorld. The heat was turned on in the truck. ACS frequently wet the calf's head and stimulated it by tickling its snout to provoke a respiratory response. ECFL staff and the calf arrived to SeaWorld by 1320 hrs. ACS requested that it be put in the BARP pool immediately to stimulate a more normal respiratory pattern. Once placed in the pool, the calf's respiration rate increased. The calf was positively buoyant and capable of reaching the surface to breathe on its own but was weak in its swimming attempts, as seen at the rescue location earlier.

The calf weighed 33.5 lbs and measured 95cm per SWF staff.

### Participants:

FWC: A. Spellman, M. Lizotte

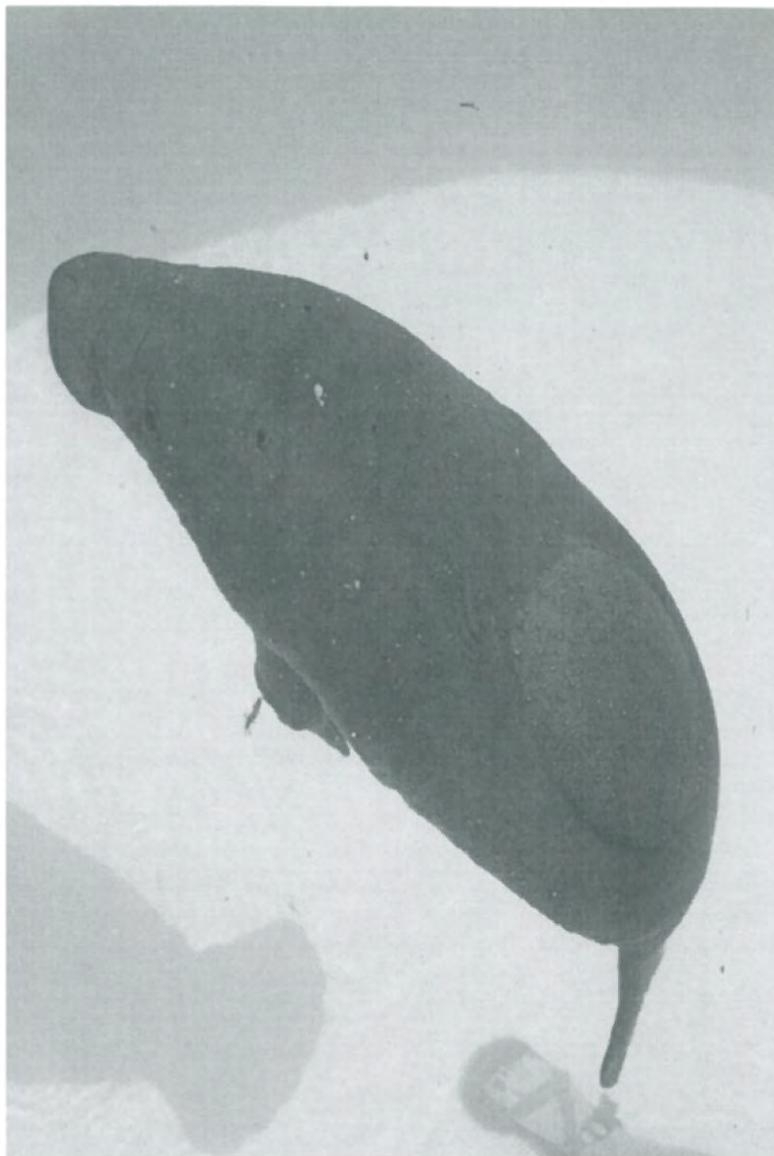
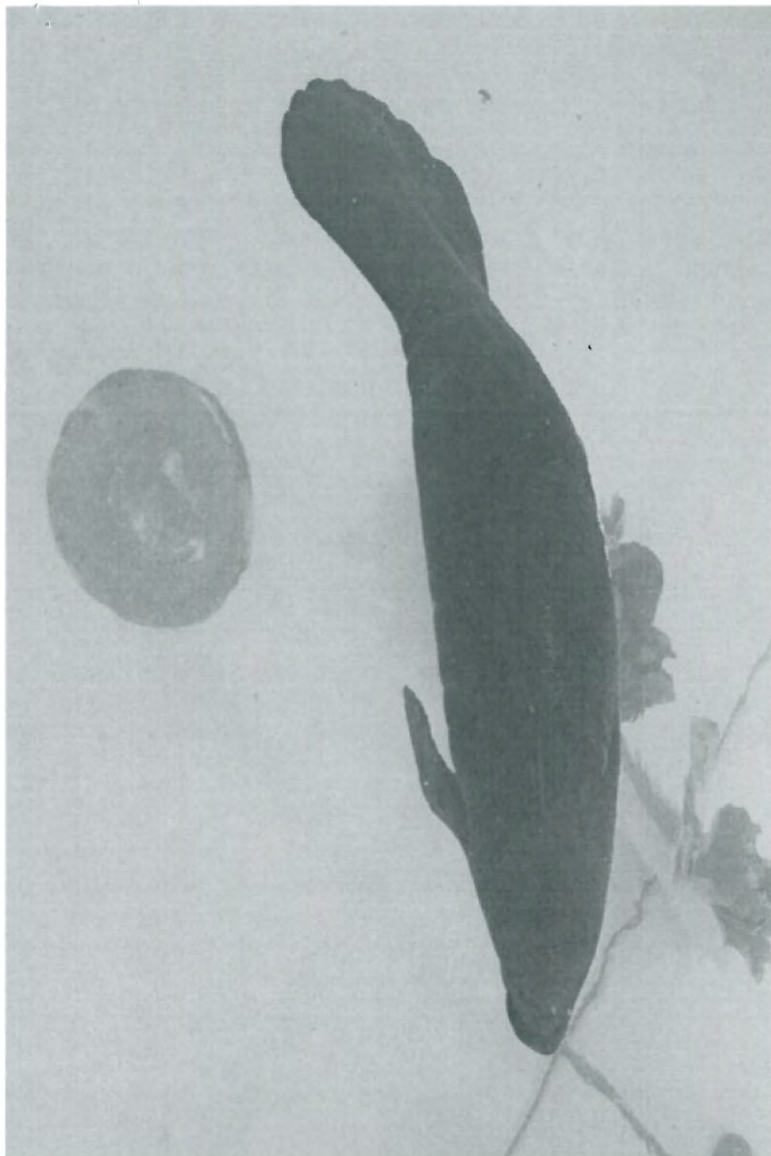
REC1116

Attachments: map

Photographs: FWC020\_2011\_04\_19:3392-3346

cc: FWRI, Field Labs, ISM, SWF, FWS





SWFTM1113B  
REC1116



# Verified Rescue Location of Manatee REC1116/SWFTm1113b



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	REC DATE	REC BY	MAP BY
19	4	2011	REC-1116	28.342468	-80.630654	4-19-2011	ACS, MEL	MEL



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

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**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**FROM:** Megan Lizotte  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 23 April 2011

**SUBJECT:** The rescue a male, orphaned, manatee calf from a mangrove system in the  
Banana River, in Brevard County on 19 April 2011 (REC1116/SWFTm1113b).

The attached rescue report for **REC1116** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

# 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 # SWFTm1113b  
Date of Report: 2011-May-25  
Filed By: SeaWorld Orlando

FWC Case # 3790

FWC Region: NE

Sex: Male

Length: 95.0 cm

Weight: 33.5 kg

DATE REPORTED: 2011-May-25

By: SWF to S2S to FWC-CNR

DATE COLLECTED: 2011-May-08

By: SWF

DATE NECROPSIED: 2011-May-09

By: SWF-Lara Croft, Scott Gearhart

LOCATION: State: FL

Latitude: 28.34247 N

County: Brevard

Longitude: -80.63065 W

Waterway: Banana River

Locality description: Cocoa Beach, floating approximately 1.16 km W of the end of S Banana River Blvd.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Perinatal

Explain:

Natural, orphan calf. Mucus airways; edema lungs; abscess lung.

PHOTOGRAPHS TAKEN:

MATERIALS COLLECTED:

DISPOSITION OF MATERIAL: SeaWorld Orlando pending distribution.

ADDITIONAL DATA:

rescue report, histology report, bacteriology report.

REMARKS:

PIT tag scan not performed. Necropsy performed at SeaWorld. See rescue report REC1116. Rescued on 19 April 2011 and died at facility on 08 May 2011.

Page 1&2	16 Oct 2012
Necropsy Report	16 Oct 2012
Lat/Long	16 Oct 2012

# Rescue Report

*Asst. & Rel*

*Entered 5/12/11 DSS*

*Humor, other (Rope in mouth)*

## GENERAL:

Date of Rescue: 29 April 2011	Date of Initial Call: 29 April 2011	Filed by: M. Lizotte
Rescue ID#: REC1117	Facility ID: N/A	FWC Case: 4209
Officer Name: N/A		
Sex: N/T	Length: 300 cm	Estimated: Yes
PIT Tag Applied: No PIT Tag Present: No		
LOCATION:		
State: FL	City: Cape Canaveral	County: Brevard
Waterway: Banana River		
Latitude (Decimal Degrees): 28.410489°N		Longitude (Decimal Degrees): -080.641129°W
Locality Description: North of SR 528, on the southeast side of Ski Island.		
Method of Capture: Rope removed by hand.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☒ Polyprop/Nylon Line ☐ Trap  
☒ Sinker ☐ Other (Specify):

**Location of Entanglement:** About one foot of the ropes end was in the manatee's mouth.

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_ cm  
Comments:



## Rescue Report

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
29 April 2011, at 1511 hrs:	FWC-biologist Christine N. Rush (CNR) received a text from FWC-dispatch Orlando regarding a possible orphaned manatee in Cape Canaveral, Brevard County. FWC case number 4209 was assigned. According to the complainant, Karrie (076-342-6213), there was a small manatee stranded on Ski Island, north of SR 528 Causeway, in the Banana River. FWC-biologist Megan E. Lizotte (MEL) attempted to call the complainant, but there was no response. MEL then called dispatch to request officer assistance in getting to the island, yet none was available. MEL was then informed by dispatch that the complainant had not personally seen the manatee, but had heard a woman over the radio attempting to reach an FWC officer to report the small manatee. The complainant then called in the incident to the hotline. Meanwhile, CNR contacted BCSO-Ofc. G. Andersen to request his assistance in getting MEL to Ski Island. Ofc. Andersen agreed to assist and planned to meet MEL at the Harbortown Marina. While en route to the Marina, MEL received a call from FWC-volunteer Leo J. Cross (LJC) regarding a manatee mom and calf pair at Ski Island in Cape Canaveral. According to LJC, the adult manatee had a polypropylene line near its mouth and was attempting to beach itself while a calf was next to it. LJC then said that when he attempted to pull the line away from the manatee, about a foot of line came out of the manatee's mouth. MEL requested that LJC retain the line for record. MEL also informed LJC that she

## Rescue Report

was en route to an orphaned calf call at Ski Island and requested that LJC check around the island for evidence of the orphaned calf. LJC told MEL that the only calf near or around the island was the one with the female that had the line in its mouth. MEL determined that the calf with the adult was the manatee that was called into dispatch. MEL arrived at the Harbortown Marina by 1630 hrs. At 1645 hrs, while MEL was en route to the island, LJC called MEL to inform her that the mom and calf pair had begun to swim north around the island. MEL and Ofc. Andersen arrived at Ski Island by 1700 hrs. After circling the island by boat and speaking with LJC about which direction the manatees swam away, MEL determined that the animals were gone on arrival. MEL did notice six other manatees swimming nearby attempting to mate with a retreating female. MEL collected the recovered line from LJC. Due to the river's rough conditions and the minimal sunlight, MEL called off the search and planned to meet with another officer early the following morning to recheck the island before tourists arrived, in case the mom and calf pair returned in the night.

30 April 2011, at  
0900 hrs:

MEL met with FWC-Ofc. J. Luce at Kelly Park boat ramp. MEL and Ofc. Luce arrived at Ski Island by boat by 0920 hrs. MEL searched the island by land for 20 minutes and found no manatees present.

### Participants:

FWC: L. Cross (volunteer)

REC1117

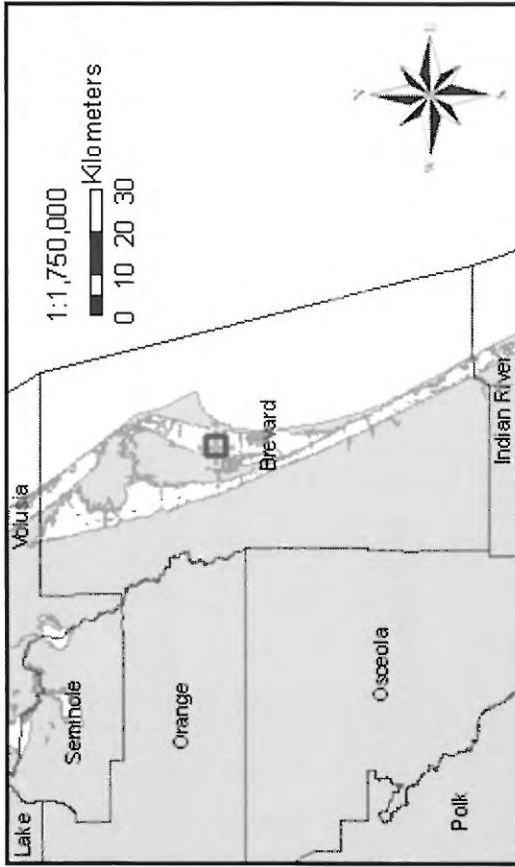
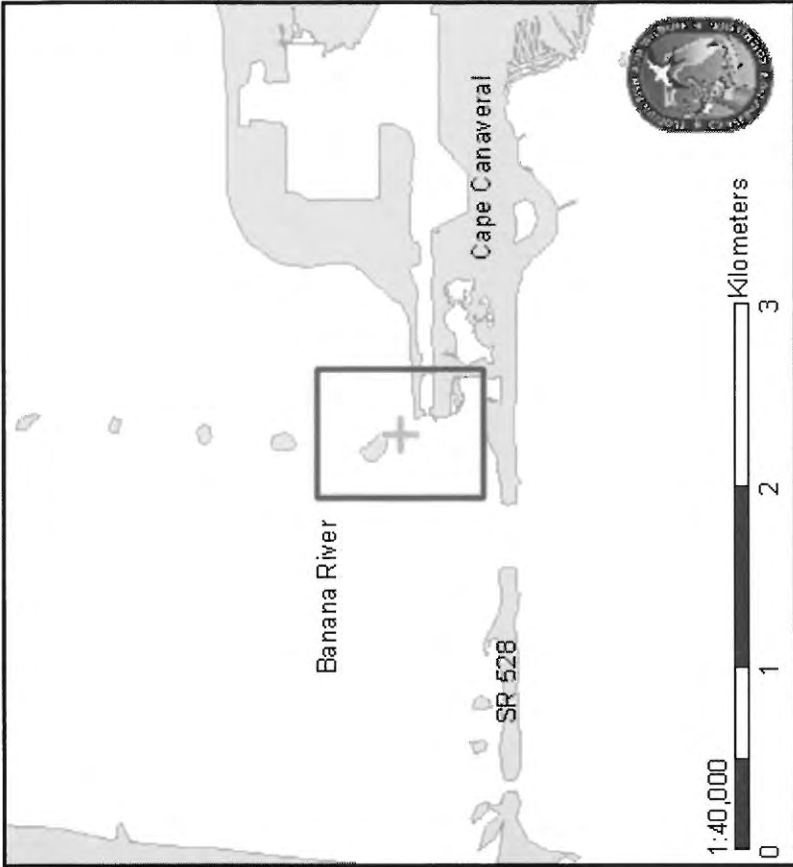
Attachments: map

Photographs: FWC020\_2011\_05\_10: 3605-3606

cc: FWRI, Field Labs, ISM, FWS



# Verified Rescue Location of Manatee REC1117



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
29	4	2011	REC1117	28.410489	-80.641129	4/29/2011	LJC	MEL



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**FROM:** Megan Lizotte  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 10 May 2011

**SUBJECT:** The assisted rescue and release of an adult manatee with partially ingested polypropylene line in its mouth by an FWC volunteer at Ski Island in the Banana river on 29 April 2011 (REC1117).

The attached rescue report for **REC1117** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data

# Rescue Report

*Asst. & Rel*

*Entered  
5/23/11  
JSS*

*Entanglement  
Monofilament*

## GENERAL:

Date of Rescue: 17 May 2011	Date of Initial Call: 17 May 2011	Filed by: C. Rush
Rescue ID#: REC1118	Facility ID: n/a	FWC Case: 4948
Officer Name: n/a		
Sex: Female	Length: 260 cm	Estimated: Yes
PIT Tag Applied: No	PIT Tag Present: Unknown	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Merritt Island	County: Brevard
Waterway: Haulover Canal		
Latitude (Decimal Degrees): 28.733444		Longitude (Decimal Degrees): -080.756664
Locality Description: In the middle of Bair's Cove		
Method of Capture: Manatee not captured, disentanglement done in the water.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Monofilament Line | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                          | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line          | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker                       | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

Gear Retained? ☒ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe:

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
17 May 2011, at 1140 hrs	<p>FWC-biologist Christine N. Rush (CNR) responded to a text from FWC-dispatch Orlando regarding an entangled manatee in Merritt Island. FWC-case number 4948 was assigned. The complainant, Gary Boyer (321-431-5715), saw the entangled manatee while he was giving an eco tour through the Haulover Canal. He informed CNR that the manatee was very friendly and approachable. CNR informed the complainant that she would meet him at the Bair's Cove Boat Ramp in about 2 hours.</p> <p>CNR arrived at the boat ramp and met the complainant and his daughter, another tour guide. There were several manatees in the area with no water clarity, but the manatee of interest was seen 5 minutes before CNR's arrival. The complainant and his daughter launched their kayaks, which also held the tag and ballpoint scissors, in search of the manatee. Since the manatee was described as very friendly, CNR entered the water and awaited manatees to approach her. Within a few minutes, CNR was approached by the entangled manatee. CNR clipped a transmitter tag on incase the manatee swam away before completely disentangled. The entanglement was around the right flipper with a small nest at the axilla, and the rest of the line wrapped around its entire body, binding the flipper to the trunk. CNR first disentangled the flipper and then unwrapped the rest of the manatee. CNR verified that the manatee was completely disentangled and swam back to the boat ramp. Since it was an in-water disentanglement, CNR was not able to photograph the entanglement, or</p>



## Rescue Report

the manatee, but the manatee did not appear to have any scars, just a few scattered barnacles. The 20-30 lb test monofilament was retained and photographed.

### Participants:

FWC: C. Rush

Gary Boyer

**Total time: 6.5 hrs**

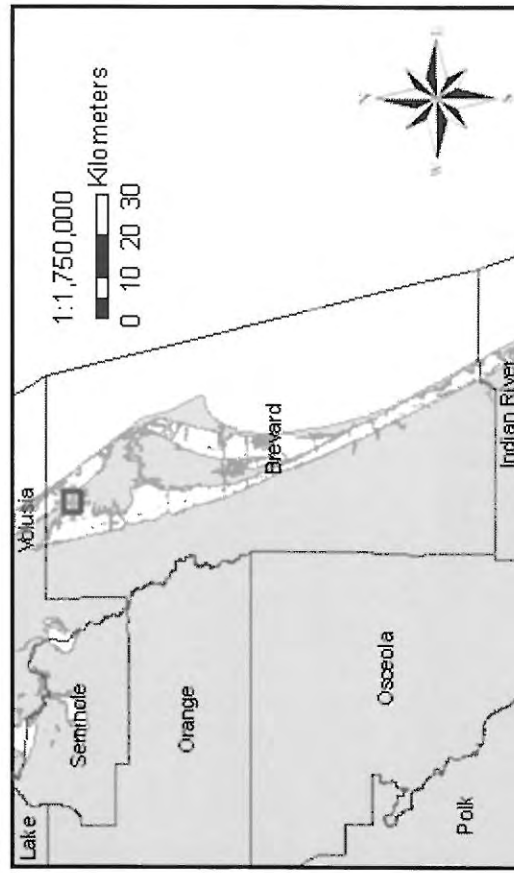
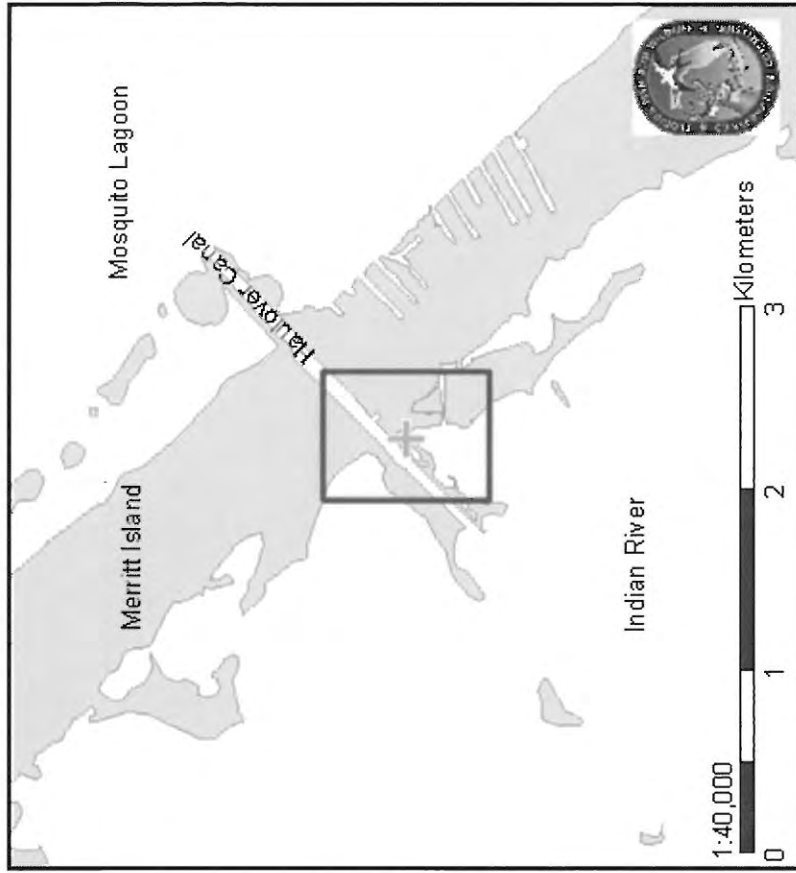
**REC1118**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, FWS



# Verified Rescue Location of Manatee REC1118



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	RECDATE	REC BY	MAP BY
17	5	2011	REC1118	28.733444	-80.756664	5/17/2011	CHR	CHR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 18 May 2011

**SUBJECT:** An in-water disentanglement of a manatee wrapped in monofilament in the Haulover Canal on 17 May 2011 (REC1118).

The attached rescue report for **REC1118** includes:

- ☒ Narrative (MS Word)
- ☐ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data



# Rescue Report

Entered  
6/27/11  
DJS

Rescue/Rel  
6/1/12  
Watercraft

## GENERAL:

Date of Rescue: 03 June 2011	Date of Initial Call: 02 June 2011	Filed by: C. Rush
Rescue ID#: REC1119	Facility ID: SWFTm1114b	FWC Case: 5692
Officer Name: Ofc. D. Wigley		
Sex: Female	Length: 251 cm	Estimated: No
"Claire"		
PIT Tag Applied: No	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Cape Canaveral	County: Brevard
Waterway: Banana River		
Latitude (Decimal Degrees): 28.384609°N	Longitude (Decimal Degrees): -080.610295°W	
Locality Description: Approximately 50 meters east of the dock at the Hitching Post Trailer Ranch (51 Hitching Post Rd.)		
Method of Capture: Net set from boat		

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☒ Propeller ☐ Skeg ☐ Suspected Impact  
Describe: Possibly crushed or rolled, maybe by a pontoon boat, or against a piling.

## Entanglement

**Gear Type:** (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                   |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                   |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                   |
| <input type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify): _____ |

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments:

Gear Retained? ☐ Y ☐ N

# Rescue Report

## Entrapment-Human Related

Describe: \_\_\_\_\_

## Other

Describe: \_\_\_\_\_

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
02 June 2011, at 1900 hrs.	On-call FWC-biologist Denise M. Boyd (DMB) responded to a text from FWC-dispatch Orlando regarding a manatee in distress. According to the complainant, Angela Preston (321-392-3804), the manatee had not moved the entire day and had not submerged during the hours of observation. The manatee had a large gash on it from a recent boat strike as well. DMB left the case open for an officer to check on first thing the following morning. The information was passed to FWC-biologist Ann C. Spellman (ACS), who then passed the information to FWC-biologist Christine N. Rush (CNR).
03 June 2011, at 0931 hrs	CNR responded to a text from dispatch regarding the same manatee. FWC-Ofc. D. Wigley was with the manatee and informed CNR that it was badly injured. CNR informed Ofc. Wigley that she was already en route to the area to find the manatee, so she would be there shortly. Despite the obvious boat injury, the manatee was acting strange and staying almost beached to the side, away from all other cavorting or mating manatees. The manatee appeared to be somewhat positively buoyant. Rather than submerging, the manatee would roll sideways to get its back wet, and when it did submerge, it popped up rather than gradually surface. When the manatee pushed into deeper water by other cavorting manatees, even for a minute or two, it would retreat as soon as possible to the shallows and breathe heavily, every 20-30 seconds for at least 10 minutes. CNR determined that a rescue was needed. CNR contacted SeaWorld but they were unavailable. CNR contacted FWC-biologist John D. Cassady

## Rescue Report

(JDC) to see if he could assist with a boat capture. CNR contacted ACS to inform her of the situation and also requested that she rent a U-Haul and load it with the rescue equipment. CNR then assembled additional personnel for the rescue team. The rescue team met at the Kelly Park Boat Ramp at 1430 hrs, while the injured manatee was monitored by the complainants.

Upon arriving to the manatee by boat, the manatee started to pace back and forth and in circles, amongst approximately 50 other manatees. Since the manatee was tiring, ACS launched the kayak in an attempt to guide the manatee to a more suitable rescue location. As ACS launched the kayak, the manatee made a departed for an area unoccupied by other manatees. A net set was done from the boat and the manatee was brought on board. The manatee was taken back to the Kelly Park Boat Ramp and loaded into the back of a U-Haul around 1750 hrs. ACS drove the manatee to SeaWorld while CNR and Hubbs-volunteer Casey Farrell rode in the back. The manatee arrived at SeaWorld around 1845 hrs.

### Participants:

FWC: CNR, ACS, JDC, LJC (volunteer), LES(SEFL intern), KAW

Hubbs: Teresa Mazza, Casey Farrell

**Total time: 10 hrs**

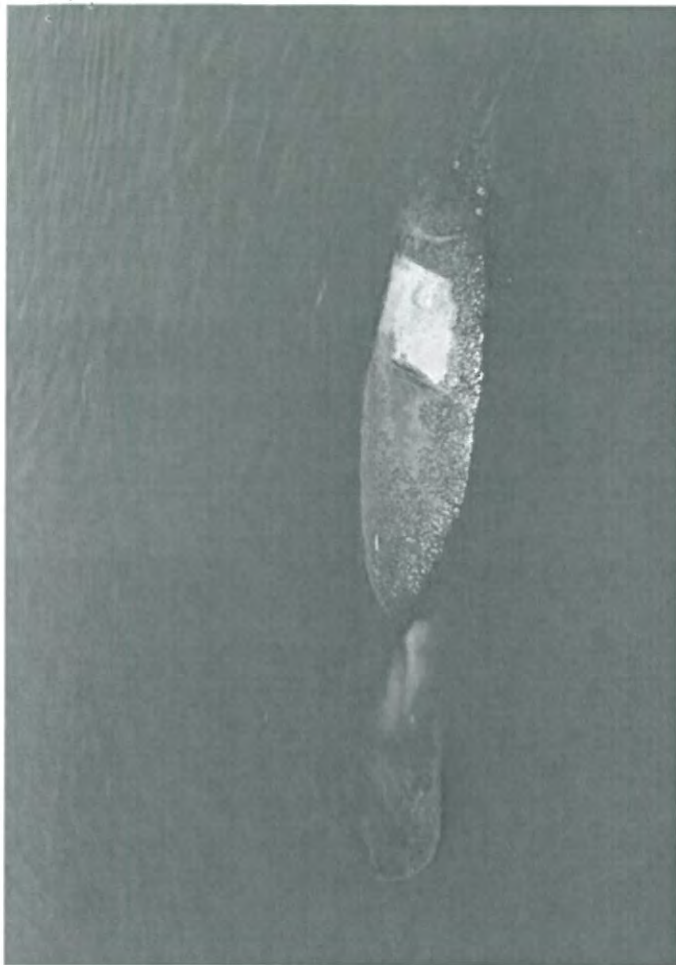
**REC1119/SWFTm1114b**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, SWF, FWS



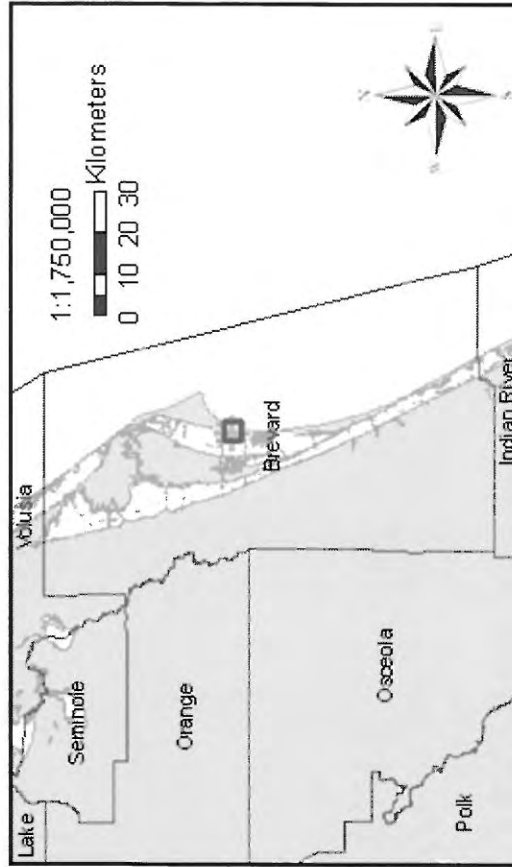
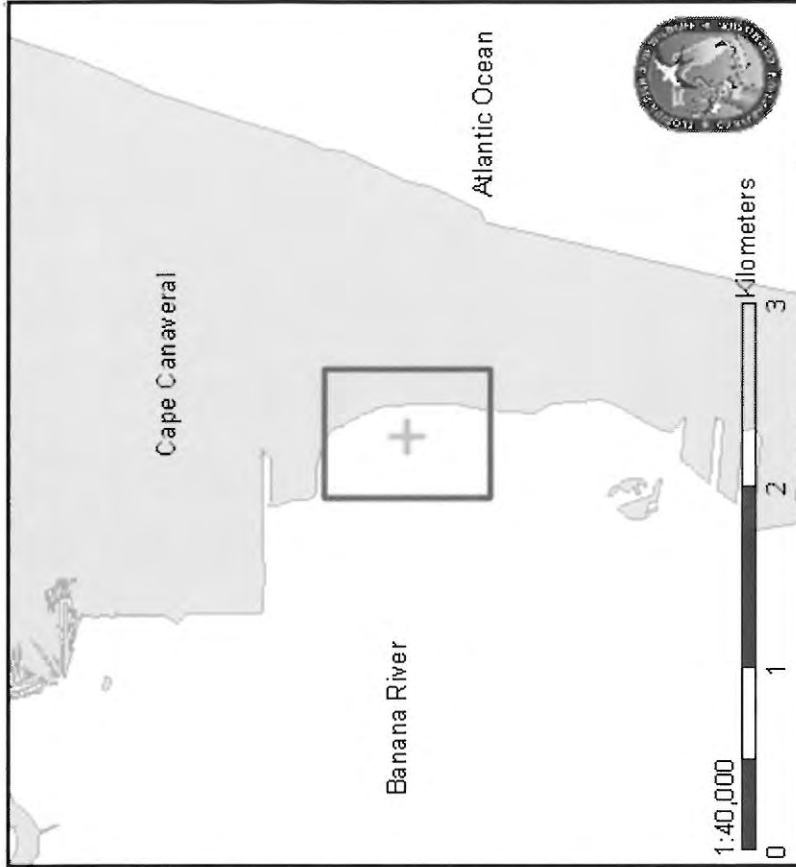




SWAT  
REC 119



# Verified Rescue Location of Manatee REC1119/SWFTm1114b



REP DAY	REP MONTH	REP YEAR	FIELD ID	LATITUDE	LONGITUDE	REC DATE	REC BY	MAP BY
2	6	2011	REC1119	28.384609	-80.610295	6/3/2011	FWC, Hubbs	CHIR

RescEntered 6/27/11  
DJSWatercraft**Manatee Information (MLog:1304 )**Animal ID: **SWFTm1114B** Sex: **F** Name: Rearing: **Wild reared****-- Rescue Information -----****Rescue Date:** 06/03/2011 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Watercraft Undetermined**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Guarded**Suspected Pregnant:** No information on potential pregnancy is known**-- Rescue Location Information -----****State:** FL **County:** Brevard **City:** Cape Canaveral**Waterway:** Banana River**Latitude:** 28.384609 **Longitude:** -80.610295**Relocated, where?:****Did animal die during rescue or transport?:** No**-- Measurement -----****Weight (kg):** 314 **Estimated Weight?:** No **Date Weighed:** 06/03/2011**Length (cm):** 251 **Estimated Length?:** No **Date Measured:** 06/03/2011**-- Other Rescue Information -----****Tracker:** **Transporter:** FWC Indian River Field Station**Facility transported to:** SeaWorld Florida**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF**Flood Gate:** **Pot Status:****Additional Narrative:** Animal was part of a mating herd as well. Had some buoyancy issues out in the river but once in the park in fresh water, she appeared not to have any issues.**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 06/21/2011**Updated By:** D **Updated Date:** 06/21/2011REC1119

Szemer, Donna

Resc  
6/3/11  
5108TM114B  
REC1119

**From:** Garrett, Andy  
**Sent:** Friday, June 03, 2011 12:24 PM  
**To:** Art Yerian; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy Beck; cbeck@usgs.gov; Craig Miller; curator@lowryparkzoo.com; deWit, Martine; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Linvill; Joe Gaspard; jpowell@sea2shore.org; Laura Eldredge; Maya; Michael\_Lusk@fws.gov; Mike Walsh; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Pamela Sweeney; Quigley, Wendy; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
**Subject:** ECFL rescue alert

Cape Canaveral:

A 9 ft lethargic buoyant manatee with a severe and deep watercraft wound across the back was reported yesterday in Cape Canaveral. The manatee was called in again today and ECFL staff have verified that the manatee needs rescuing. A rescue will be attempted this afternoon using the SEFL capture boat. If rescued, the manatee will be taken to Sea World.

Other ECFL potentials:

Last week an excessive buoyant manatee with a recent watercraft scrape was observed in the St. John's River by two separate tour boat operators. The animal has not been observed by ECFL staff. ECFL staff did spend all day Saturday looking for the manatee but were unsuccessful in locating it.

Yesterday, the ECFL staff also received a report about an excessively buoyant manatee in Brevard County that was different than the one they are trying to rescue today. Although the location was relatively close to the manatee they are going on today, the witnesses for both animals called in at the same time while they were with their respective manatees.

-Andy

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 12 June 2011

**SUBJECT:** The rescue of a watercraft struck manatee from Cape Canaveral on 03 June 2011 (REC1119/SWFTm1114b).

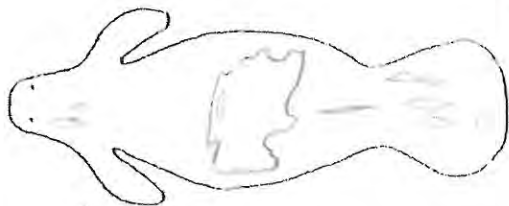
The attached rescue report for **REC1119** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

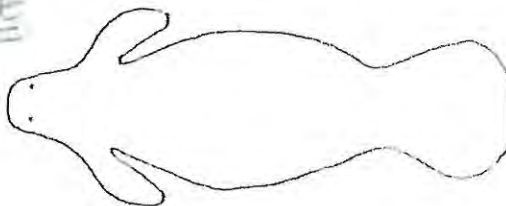


# FIELD SKETCH SHEET

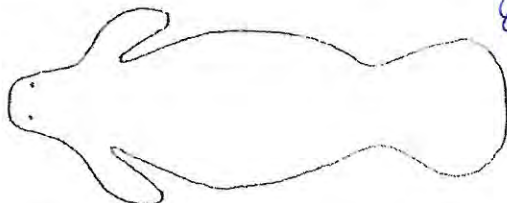
Date: 01 JUNE 2012 Location: KARS PARK  
 Observer Code(s): CNR JEL Sighting Times: 0850 - 0925



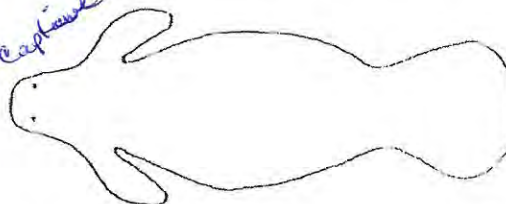
Field ID: 1 Size: CC -        SU AA  
 Calf: WC WC? Why:         
 Sex: M F How determined: V NC  
 Exposures: WNC025-2846-2859  
IL: 250cm WT: 700lbs  
(R) 0006F3EA2D (L) 0006F3D19A  
 Cold exposure: Head: 0 Trunk: 0 Tail: 0  
 Comments: "CLIFF"  
221119 / SWHM 1114B



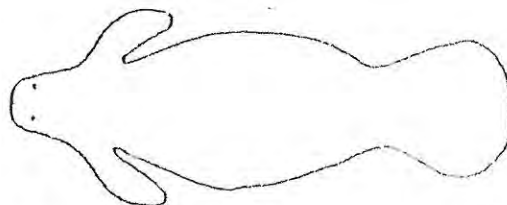
Field ID:        Size: CC -        SU AA  
 Calf: WC WC? Why:         
 Sex: M F How determined: V NC  
 Exposures:         
 Cold exposure: Head:        Trunk:        Tail:         
 Comments:       



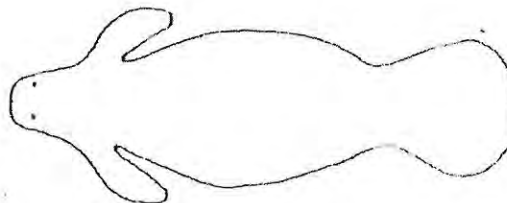
Field ID:        Size: CC -        SU AA  
 Calf: WC WC? Why:         
 Sex: M F How determined: V NC  
 Exposures:         
 Cold exposure: Head:        Trunk:        Tail:         
 Comments:       



Field ID:        Size: CC -        SU AA  
 Calf: WC WC? Why:         
 Sex: M F How determined: V NC  
 Exposures:         
 Cold exposure: Head:        Trunk:        Tail:         
 Comments:       



Field ID:        Size: CC -        SU AA  
 Calf: WC WC? Why:         
 Sex: M F How determined: V NC  
 Exposures:         
 Cold exposure: Head:        Trunk:        Tail:         
 Comments:       



Field ID:        Size: CC -        SU AA  
 Calf: WC WC? Why:         
 Sex: M F How determined: V NC  
 Exposures:         
 Cold exposure: Head:        Trunk:        Tail:         
 Comments:       

Other Comments:

Examiner.com

SEAWORLD ORLANDO | June 1, 2012 | [ADD A COMMENT](#)

## SeaWorld Orlando releases Claire in river: Rescued manatee returns to the wild

21

2

0

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Like



A 750 pound manatee named Claire was returned to the wild on June 1 after a year of rehabilitation at SeaWorld Orlando.

Claire was rescued after being hit by a boat. At the time, she only weighed 600 pounds and was in need of immediate medical care. SeaWorld's animal specialists treated her wounds, built up her weight, and got her ready to return to her home.

Claire the manatee goes home to the Banana River. Photo credit: SeaWorld Orlando

Claire was released into the Banana River and quickly made new buddies among the manatees in the area.



Manatees are just one species among the 20,000 animals SeaWorld has rescued over the years. Other rescued creatures include sea turtles, birds, whales, and dolphins.

SeaWorld Orlando keeps the manatees under rehabilitation in the Turtle Trek exhibit. The gentle giants share their home with rescued sea turtles, some of which will spend their lives at the theme park because their injuries have made it impossible for them to be returned to the ocean.

Video: Click image to see video of Claire the manatee

### Related topics:

[SeaWorld Orlando](#)

[Seaworld](#)

[Theme Parks](#)

Turtle Trek hopes to duplicate the success of educating the public about manatees to reduce boat strikes. The new 360 degree 3-D movie and exhibit strives to do the same thing for sea turtles by teaching guests simple ways to help them, like not carelessly discarding plastic bags. Bags that make their way to the ocean may be eaten by turtles mistaking them for jellyfish, ultimately killing the creatures.

SeaWorld takes its own message to heart. All SeaWorld Parks and Entertainment parks have eliminated plastic bags in their gift stores, and the Turtle Trek souvenir shop has cash registers that show patrons how much of their purchases goes to help turtles, manatees, and other animals.

Check out my theme park ebooks for **Kindle** and **Nook**, including Walt Disney World, Disney Cruise Line, SeaWorld, and Legoland Florida guides. I write the "Theme Park in Your Pocket" and "Building Blocks for a Great Disney Vacation" series.

21

2

•

0

0

•

Report

Print

Like



**Barbara Nefer**, Orlando Theme Parks Examiner

Barb Nefer lives in the thick of the Orlando attractions area. She has an annual pass to all the major theme parks from Disney and Universal to SeaWorld and Busch Gardens. You can reach her at [orlandoexaminer@gmail.com](mailto:orlandoexaminer@gmail.com).



## Rescue Report

Entered  
6/27/11  
JSSEntanglement  
Cast Net.

## GENERAL:

Date of Rescue: 05 June 2011	Date of Initial Call: 05 June 2011	Filed by: C. Rush
Rescue ID#: REC1120	Facility ID: N/A	FWC Case: 5778
Officer Name: N/A		
Sex: Unknown	Length: 215	Estimated: Yes
PIT Tag Applied: No	PIT Tag Present: Unknown	#R L
LOCATION:		
State: FL	City: Titusville	County: Brevard
		Waterway: Haulover Canal
Latitude (Decimal Degrees): 28.733803°N		Longitude (Decimal Degrees): -080.75681°W
Locality Description: At the north side of the entrance to Bairs Cove in the Haulover Canal		
Method of Capture: Manatee not captured, net was pulled off by citizen in the water.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft    ☒ Entanglement    ☐ Entrapment    ☐ Orphan    ☐ Cold Stress  
☐ Red Tide    ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller    ☐ Skeg    ☐ Suspected Impact

Describe:

## Entanglement

Gear Type: (Check all that apply)

- |   |  |
|---|--|
| <input type="checkbox"/> Monofilament Line              | <input type="checkbox"/> Hook            |
| <input checked="" type="checkbox"/> Net                 | <input type="checkbox"/> Buoy            |
| <input checked="" type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap            |
| <input checked="" type="checkbox"/> Sinker              | <input type="checkbox"/> Other (Specify) |

Location of Entanglement:

If Crab Pot:

Float#:

Color:

Line Type:

Damage from Gear:

- ☐ No Damage    ☐ Abrasions  
☐ Breaking Skin Surface    Depth of Entanglement Penetration: \_\_cm

## Rescue Report

Comments: Citizens that pulled the cast net off was not sure if line could be still around the head, or if the line fell off once the cast net with a heavy lead line was pulled off. Unable to describe if the skin was penetrated or damaged.

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
05 June 2011, at 0917 hrs	FWC-biologist Ann C. Spellman (ACS) responded to a text from FWC-dispatch Orlando regarding an entangled manatee in Merritt Island. FWC-case number 5778 was assigned. Dispatch informed ACS that it was regarding a live manatee, but since ACS was en route to the MMPL with carcasses, she hung up with dispatch and contacted FWC-biologist Christine N. Rush (CNR). ACS informed CNR that she did not take down any information or get patched through to the complainant. CNR contacted dispatch to get the information on the case, and then contacted the complainant, Sherry (386-689-2861). Since it was CNR's day off, and she had to get a work truck, then stop by the office to get necessary gear, her response time would be at least 2-2.5 hrs. For a quicker response, CNR contacted FWS-Ofc. Phil Amaroso, but he was unable to respond. There were no refuge officers, biologists, or FWC-officers that were able to respond either. CNR contacted the complainant again to inform her of her ETA. The complainant informed CNR that there was a medium size manatee that had a cast net around its head. It also appeared that the cast net was snagged on a piling coming into Bairs Cove. The complainant yanked the

## Rescue Report

cast net over the manatee's head to free it from the piling, but was unsure if some line was still wrapped around its head or not. The case net did have a full lead line which was bunched in certain areas, so relieving that tension could have possibly caused the rest of the line to fall off of the manatee as well. The complainant was not sure.

CNR arrived on scene at 1200 hrs and kayaked the entire cove and Haulover Canal. After searching for a few hours, CNR gave up searching. The complainant is a regular to the area and agreed to keep an eye out for this manatee or any other entanglements. CNR retained the gear and photographed it.

### Participants

Citizen Rescue

FWC- CNR

REC1120

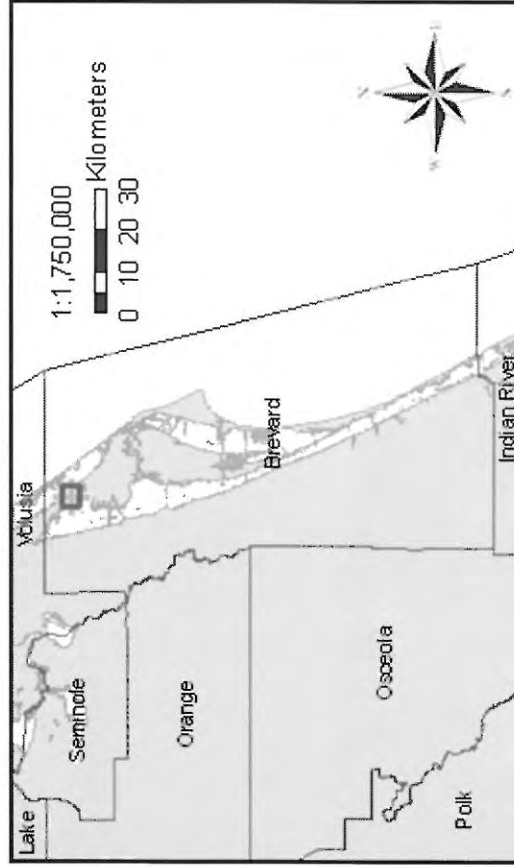
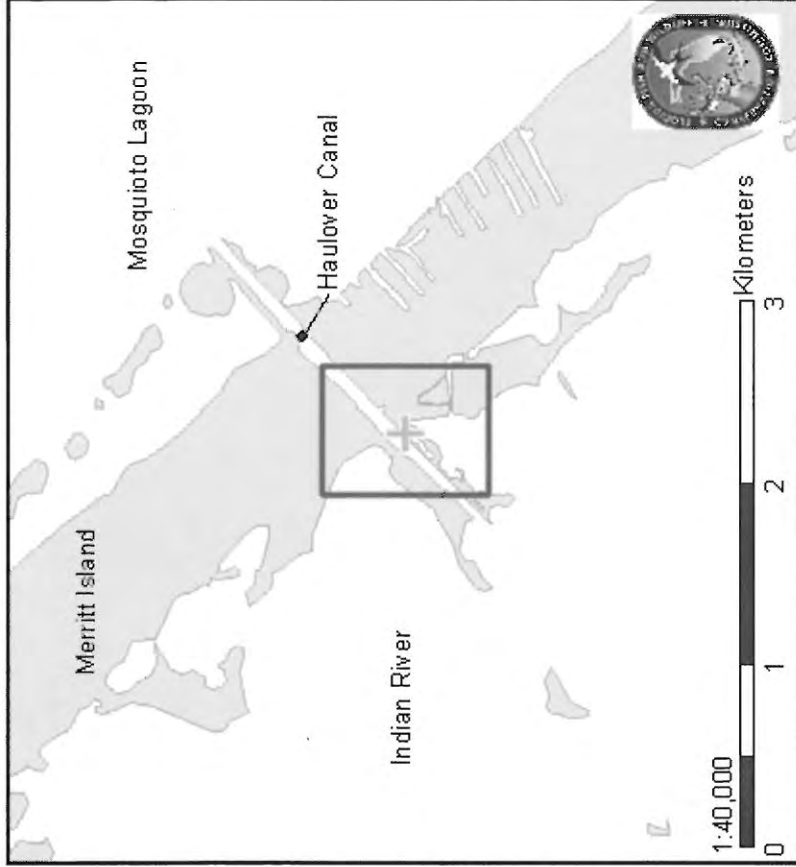
Attachments: map

Photographs: attached

Cc: L.Ward, Field Labs, FWRI- Mammals, N. Adimey, ISM, R. Wagoner-SWF



# Verified Rescue Location of Manatee REC1120



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
5	6	2011	REC1120	28.733803	-80.75681	6/5/2011	Citizen	CIIR



## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 25 June 2011

**SUBJECT:** The citizen rescue of a manatee entangled in a cast net in Bairs Cove on 05 June 2011 (REC1120).

The attached rescue report for **REC1120** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data

# Rescue Report

Resc / D4u  
6/18/11

Entered  
6/27/11  
DJS

Cafhy  
JH

## GENERAL:

Date of Rescue: 11 June 2011	Date of Initial Call: 09 June 2011	Filed by: C. Rush
Rescue ID#: REC1122	Facility ID: SWFTm1115b	FWC Case: 5995, 5914, 6056
Officer Name: Port Canaveral-Ofc. Bill Wixon		
Sex: Male	Length: 142 cm	Estimated: No
PIT Tag Applied: No	PIT Tag Present: No	#R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Cape Canaveral	County: Brevard
Waterway: Port Canaveral		
Latitude (Decimal Degrees): 28.408661°N		Longitude (Decimal Degrees): -080.631115°W
Locality Description: At the Rodney S. Ketchum Boat Ramp (990 Mullet Rd.) in Port Canaveral.		
Method of Capture: Hand		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☒ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact  
Describe: \_\_\_\_\_

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: \_\_\_\_\_ Color: \_\_\_\_\_ Line Type: \_\_\_\_\_

**Damage from Gear:**

- ☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments: \_\_\_\_\_

## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
08 June 2011, at 0721 hrs	On-call FWC-biologist Ann C. Spellman (ACS) responded to a text from FWC-dispatch Orlando regarding a manatee calf in distress in Port Canaveral. FWC-case number 5914 was assigned. The complainant, Michael Perez (407-271-3278) informed ACS that the calf was resting tail up near two other larger manatees, but they were not paying attention to it. The complainant informed ACS that he had to take people out fishing, so he was not able to keep an eye on it until a biologist arrived, but texted her a photo he took with his phone. After speaking with the complainant and verifying that no officer assistance was available, ACS contacted FWC-biologist Christine N. Rush (CNR) to inform her of the situation and requested her to respond ASAP. CNR contacted SeaWorld-Bob Wagoner to inform him of the potential sick calf. CNR contacted the Port Police en route to picking up the work truck to see if they were able to respond. Port Police responded, but did not see anything wrong with the calf. CNR then contacted Hubbs SeaWorld-Teresa Mazza (TM) since she had to meet up with her anyway that morning. TM and CNR met at Port Canaveral and started searching for the calf, working their way down to the Sunrise Marina where it was seen earlier. CNR and TM were unable to locate the calf, but spoke to staff at surrounding restaurants and businesses to keep an eye out for it.

## Rescue Report

09 June 2011, at  
1845 hrs

ACS responded to a text from FWC-dispatch Orlando regarding the same calf in Port Canaveral. The complainant, Andrea McCoy (321-783-2300), saw a small manatee with its head straight down, struggling to swim between Mulligan's Reef and Blue Point Marina. The complainant took a picture and texted it to ACS. ACS was able to confirm that the manatee she was looking at was the same one from the morning before. Unfortunately, no response was available.

11 June 2011, at  
1411 hrs

CNR responded to a text from FWC-dispatch regarding a manatee floating tail up at the Rodney S. Ketchum Boat Ramp in Port Canaveral. The complainant was the USCG, via third party, via another third party. CNR was in the area and responded by 1420 hrs. Upon arrival, citizens pointed CNR towards where the manatee was last seen, but just moment before her arrival, children were jumping on the metal dock and scared the calf away. CNR contacted Port Police to assist her with the search. CNR launched her kayak to search the area and eventually caught up to Port Police to tell them where she already searched. CNR joined up with Port Police due to strong currents and searched the rest of the port for the next 30 minutes. At 1500 hrs, CNR was dropped off back at the boat ramp and noticed a small tail in at the surface. CNR entered the water and grabbed the skinny, lethargic calf. Port Police-Ofc. Bill Wixon handed CNR a life jacket. CNR placed the life jacket on the calf before grounding it in the shallows on the ramp since the ramp was a rough surface. Ofc. Wixon and Ofc. Savage stayed with CNR and the calf to ensure no one used the ramp or got too close. CNR contacted FWC-biologist Megan E. Lizotte (MEL) and informed her of the situation. CNR instructed MEL to meet her at the ramp ASAP. Next, CNR contacted SeaWorld-Randy Runnells to inform him of the calf. SeaWorld had been put on alert of the potential orphan a few days prior as well. CNR informed Randy that she would contact him once MEL arrived with an ETA. Upon MEL's arrival to the boat ramp, CNR, and Port Police loaded the calf into the back seat of CNR's truck. CNR sat next to it while MEL drove to SeaWorld. The calf arrived at SeaWorld around 1700 hrs. and was greeted by Animal Care Staff and Dr. Croft who immediately drew blood and gave it fluids. The calf was placed into the BARP pool soon after.

### Participants:

FWC: CNR, MEL

Port Police: Ofc. Wixon and Ofc. Savage



# Rescue Report

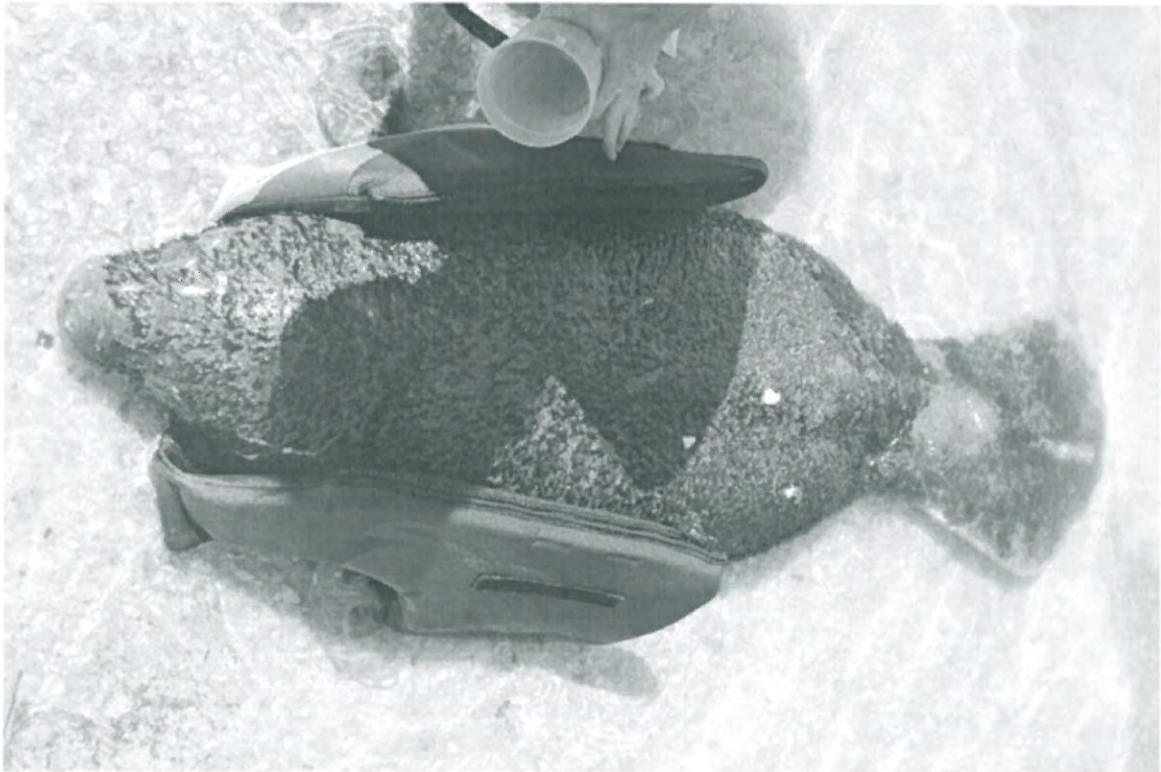
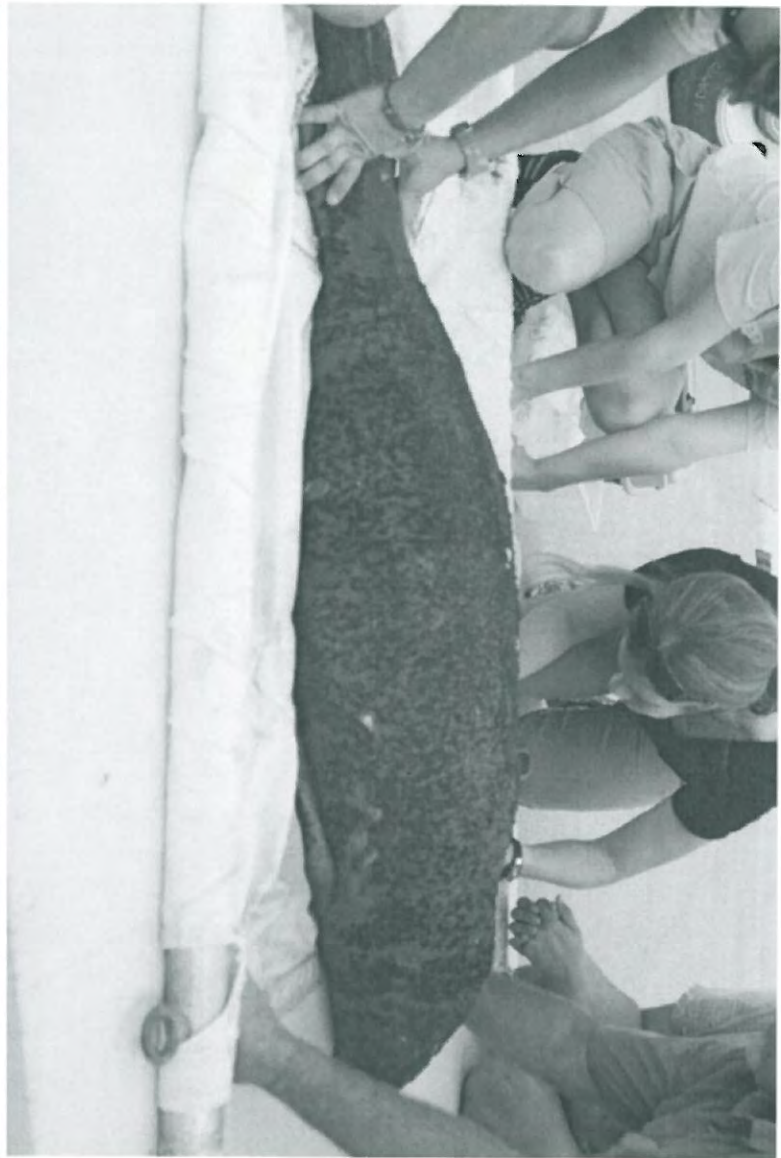
**Total time: 6 hrs**

**REC1122**

Attachments: map, Photos

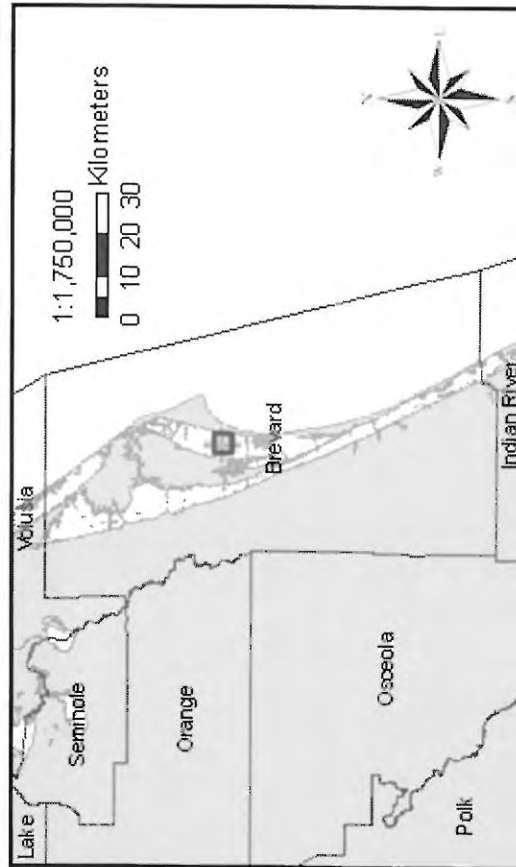
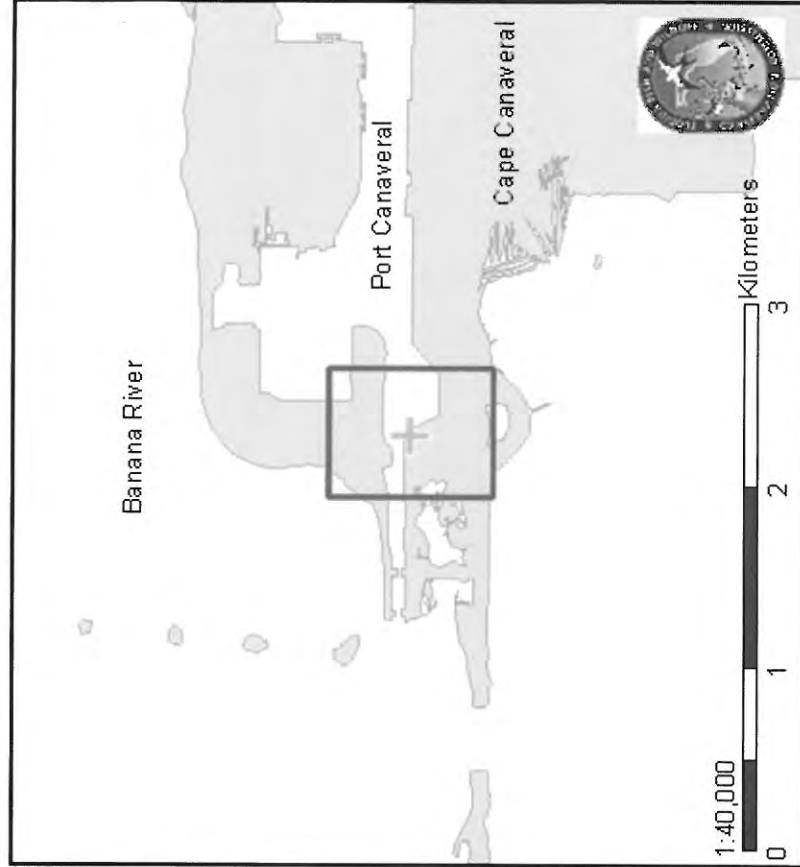
cc: FWRI, Field Labs, ISM, SWF, FWS





SWATM1158  
REC 11/22

# Verified Rescue Location of Manatee REC1122/SWFTm1115b



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
8	6	2011	REC1122	28.408661	-80.631115	6/11/2011	CIIR, MEL	CIIR

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 12 June 2011

**SUBJECT:** The rescue of an orphaned calf in Port Canaveral on 11 June 2011  
(REC1122/SWFT/1115b).

The attached rescue report for **REC1122** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



# 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 # SWFTm1115b

Date of Report: 2011-Jun-18

Filed By: FWC MMPL

FWC Case # 6056

FWC Region: NE

Sex: Male

Length: 138.0 cm

Weight: 56.0 kg

DATE REPORTED: 2011-Jun-18

By: SeaWorld to FWC-CNR

DATE COLLECTED: 2011-Jun-18

By: FWC-CNR

DATE NECROPSIED: 2011-Jun-21

By: MMPL-MdW, AJG, ARH

LOCATION: State: FL

Latitude: 28.40866 N

County: Brevard

Longitude: -80.63112 W

Waterway: Port Canaveral

Locality description: Cape Canaveral, floating at the Robert Ketchum Boat Ramp at 990 Mullet Road.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Perinatal

## Explain:

Natural. Skin lesions; abdominal distension; emaciated; gas distension GI; relatively empty GI; red fluid cecum, colon; dry, hard feces; wet lungs; fluid airways; pale liver; abscess in muscle.

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

## MATERIALS COLLECTED:

genetics, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

## ADDITIONAL DATA:

## REMARKS:

PIT tag scan negative. See rescue report REC1122. Rescued on 11 June 2011, died the morning of 18 June. Also FWC case numbers 5914 and 5995.

Page 1&2	21 NOV 2012
Necropsy Report	21 NOV 2012
Lat/Long	21 NOV 2012

# Rescue Report

*Asst. J. Rel*

*Entered  
8/5/11  
JSS*

*Entanglement  
Other*

## GENERAL:

Date of Rescue: 13 June 2011	Date of Initial Call: 25 June 2011	Filed by: M. Lizotte
Rescue ID#: REC1123	Facility ID: N/A	FWC Case: N/A
Officer Name:		
Sex: Unknown	Length: 210 cm	Estimated: Yes
PIT Tag Applied: No	PIT Tag Present: Unk	#R <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> L <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
LOCATION:		
State: FL	City: Cape Canaveral	County: Brevard
Waterway: Banana River		
Latitude (Decimal Degrees): 28.38139°N		Longitude (Decimal Degrees): -080.609094°W
Locality Description: Along the shoreline of the city park at the west end of Center Street.		
Method of Capture: Hand		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☒ Other (Specify): A 3 gallon, oval-shaped, plastic bucket

**Location of Entanglement:** Stuck around the head of the manatee, with the plastic handle caught on the back margin of the skull.

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

- ☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm

Comments:

## Rescue Report

Gear Retained? ☐ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
13 June 2011, at 0800 hrs	FWC volunteer, Angela Preston (321-332-4511) spotted a manatee, approximately 210 cm in length, in the Banana River off of a park at the west end of Center Street in Cape Canaveral with a grey, 3 gallon, oval-shaped, plastic bucket stuck on its head. Angela stated that she watched the manatee struggling for about an hour to get the bucket off its head with its flippers, but noticed that the plastic handle was caught on the back of the manatee's head. After an hour, the complainant stated she climbed down the embankment and walked six feet from the shoreline towards the manatee. She then reached down and pulled the bucket handle off of the manatee's skull and pulled the bucket forward, off of the manatees head. Once the bucket was removed, the complainant saw that there was a moderate amount of sand inside the bucket, but that no damage had been caused to the manatee. According to the complainant, the manatee had no major scar patterns and stayed in the general area with other manatees after the bucket was removed.
25 June 2011, at 1600 hrs	While speaking with FWC-biologist Christine N. Rush (CNR) about another manatee in Merritt Island, the complainant mentioned that she had removed the bucket from the manatees head on June 13, 2011. CNR assigned the event a rescue number.

## Rescue Report

### Participants:

Citizen: Angela Preston

**Total time: 1.25 hr**

**REC1123**

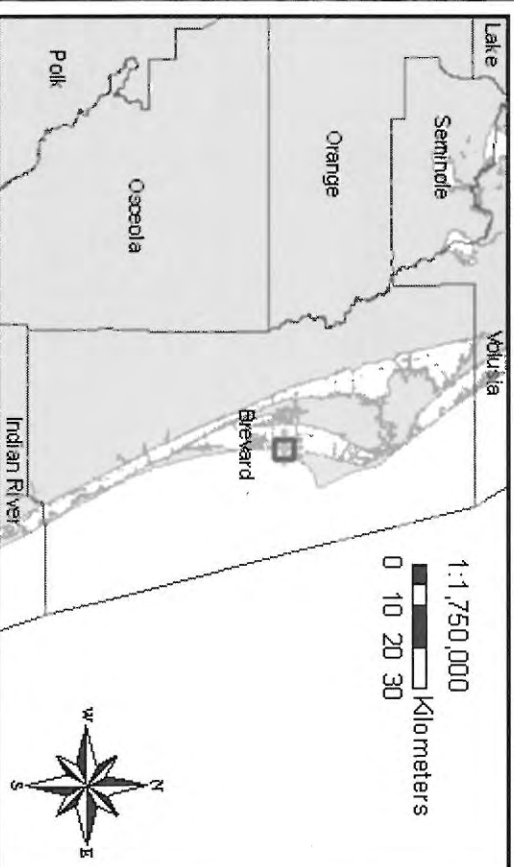
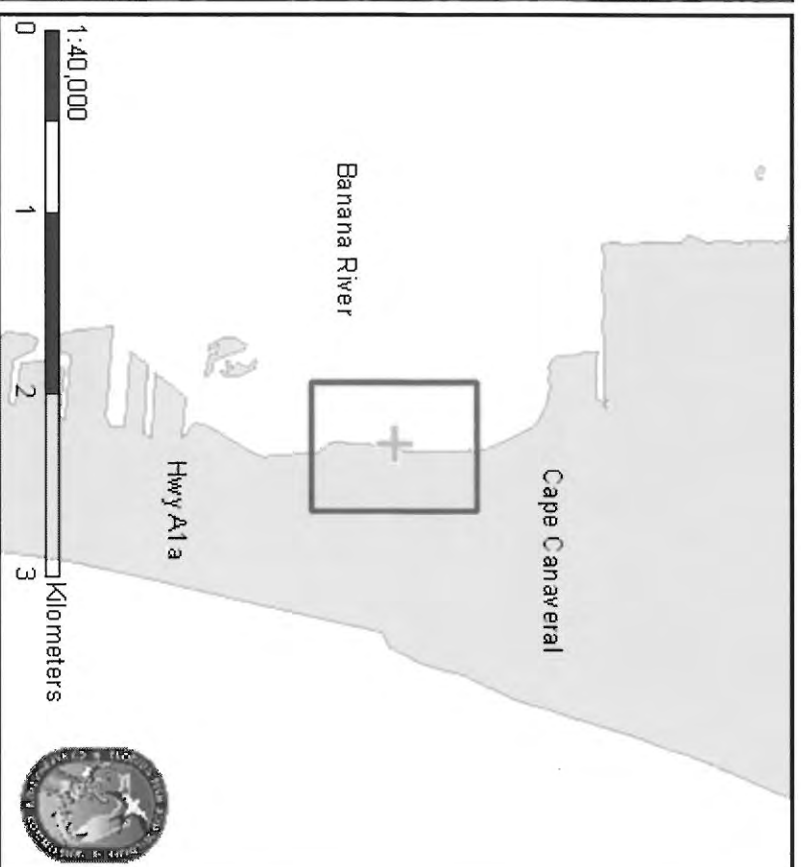
Attachments: map, Photos

cc: FWRI, Field Labs, ISM, FWS





# Verified Rescue Location of Manatee REC1123



REPDAY	REPMONTH	REPYEAR	FIELDID	LATITUDE	LONGITUDE	RECDATE	RECBY	MAPBY
25	6	2011	REC1123	28.38139	-80.609094	6/13/2011	A. Preston	MEL

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

---

**TO:** Tom Reinert, Research Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Megan Lizotte  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 15 July 2011

**SUBJECT:** The removal of a 3 gallon plastic bucket from the head of a manatee in the Banana River in Cape Canaveral, by an FWC volunteer, on 13 June 2011 (REC1123).

The attached rescue report for **REC1123** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data

# Rescue Report

Entered  
9/7/11  
JSS

Asst. Hel  
Entanglement  
Crab trap

## GENERAL:

Date of Rescue: 16 July 2011	Date of Initial Call: 13 July 2011	Filed by: C. Rush
Rescue ID#: REC1124	Facility ID: SWFTm1116b	FWC Case: 7397
Officer Name: N/A		
Sex: Female	Length: 244 cm	Estimated: Yes No
PIT Tag Applied: Yes	PIT Tag Present: Unknown	#R (unknown) L (unknown)
LOCATION:		Not Read - Reader Not working.
State: FL	City: Merritt Island	County: Brevard
Waterway: Indian River		
Latitude (Decimal Degrees): 28.447455°N	Longitude (Decimal Degrees): -080.720625°W	
Locality Description: At the north east side of Manatee Cove in the Indian River.		approximately 90m NNW of Manatee Cove Park Boat Launch.
Method of Capture: Net set from a boat and land.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☐ Skeg ☐ Suspected Impact

Describe:

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☒ Buoy  
☒ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:** Mid right flipper.

**If Crab Pot:**

Float#: VH3422 Color: White Line Type: Nylon Line

**Damage from Gear:**

- ☐ No Damage ☒ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: 2 cm

## Rescue Report

Comments:

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
13 July 2011, at 1217 hrs	FWC-biologist Christine N. Rush (CNR) responded to a text message from FWC-dispatch Orlando regarding a manatee in Merritt Island. FWC-case number 7397 was assigned. According to the complainant, Holly Ann Weed (321-698-0528), there was a manatee in Manatee Cove Park with a crab pot float entangled around it body and was unsure if the pot was still attached. FWC-biologist Ann C. Spellman (ACS) responded to the scene by 1630 hrs, but the manatee had left the area. ACS spoke with the complainant, who is a tour guide in the area, and requested that if she sees the manatee again in the cove to call FWC-staff.
15 July 2011, at 1330 hrs	CNR and FWC-biologist Megan E. Lizotte (MEL) arrived at the Manatee Cove Park and saw that the entangled manatee was in the cove. CNR kayaked to the manatee and found that the animal was hesitant to go near the kayak. MEL then got into the water and swam to the manatee with CNR keeping the manatee from leaving the cove. After about 15 minutes of pursuing the animal, MEL was able to attach a tracking device to the entanglement, by means of a



## Rescue Report

carabineer being attached to the line underneath the large buoy. MEL swam with the manatee for 10 more minutes in order to assess the manatee's entanglement injuries. However, the line attached to the buoy was very long and the manatee kept diving to the bottom of the cove and away from MEL, so assessment was not possible. CNR arranged for a rescue for the following day. SeaWorld advised they would let CNR know the following morning if they were available. CNR ensured that the SEFL rescue staff and ECFL volunteers were on stand-by.

16 July 2011, at  
0930 hrs

CNR and MEL arrived at Manatee Cove and verified that the entangled manatee was still there. CNR called SeaWorld staff to inquire whether they were available to assist in the rescue. SeaWorld said they could be on scene around 1130 hrs. FWC-volunteers Leo J. Cross and Catalina Londono-Carver arrived at Manatee Cove as well. ECFL then launched their boat from the Port St. John's boat ramp and monitored the animal while waiting for SeaWorld. At 1200 hrs, ECFL left the scene to assist SeaWorld with their boat, which had broken down. At 1300 hrs, ECFL staff and SeaWorld rescue crew arrived back at Manatee Cove Park. After planning how to capture the animal, CNR and MEL got into the water and swam towards the entangled manatee. CNR and MEL directed the manatee away from a large group of sunning manatees and towards the SeaWorld boat. SeaWorld set their net in a semi-circle with the shoreline. The net ends were brought together and eventually pulled onto the SeaWorld rescue boat. The entanglement was removed from the right flipper of the animal using a knife. The wound was assessed by CNR and SeaWorld Animal Care Staff, who deemed the animal releasable. After PIT tagging, measuring, and photographing the manatee, the animal was released by 1430 hrs.

### Participants

FWC- CNR, MEL, LJC, CLC  
SeaWorld Animal Care Staff

REC1124

Attachments: map

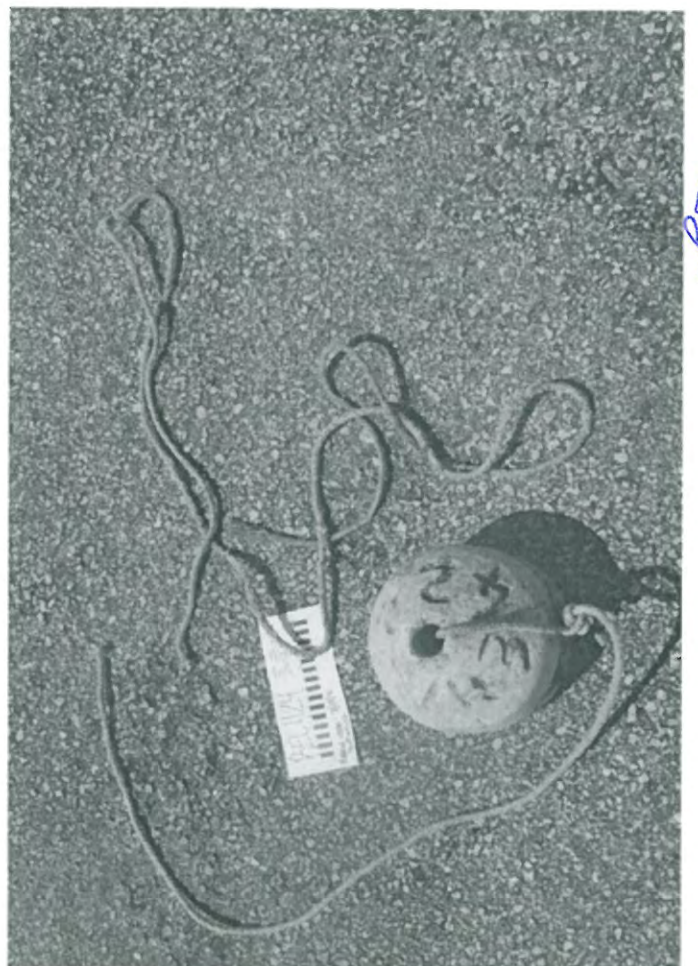
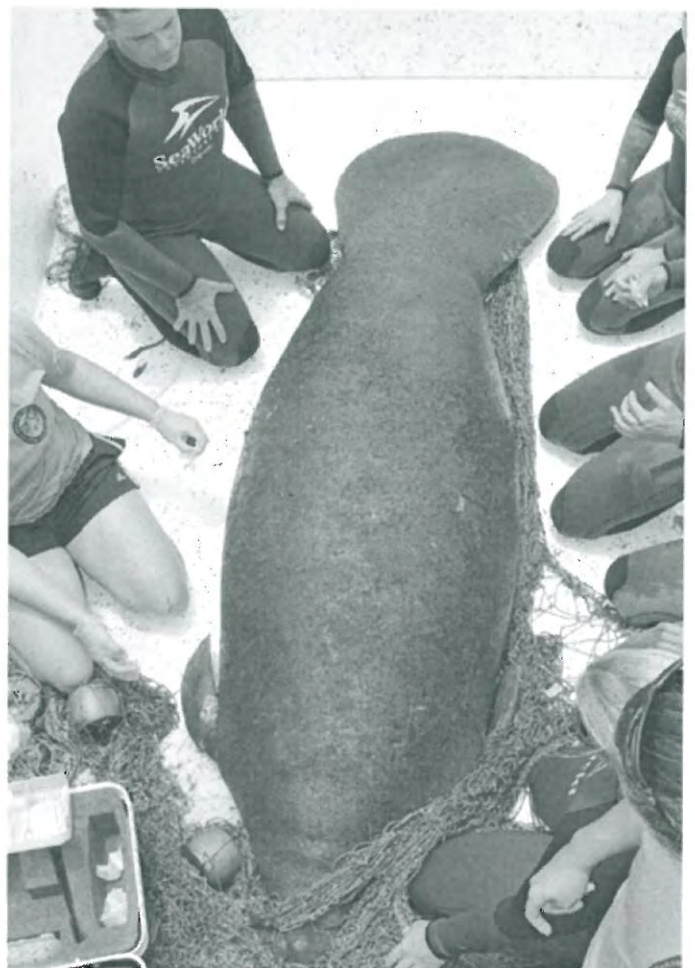
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FWC025\_2011-07-16: 0060-0071

FWC020\_2011-07-21: 4309-4310

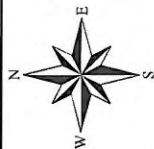
Cc: Leslie Ward, FWRI, Field Labs, ISM, SWF, FWS





REC 1124  
SWF 14 1165





# Verified Response Location of Manatee Rescue REC1124

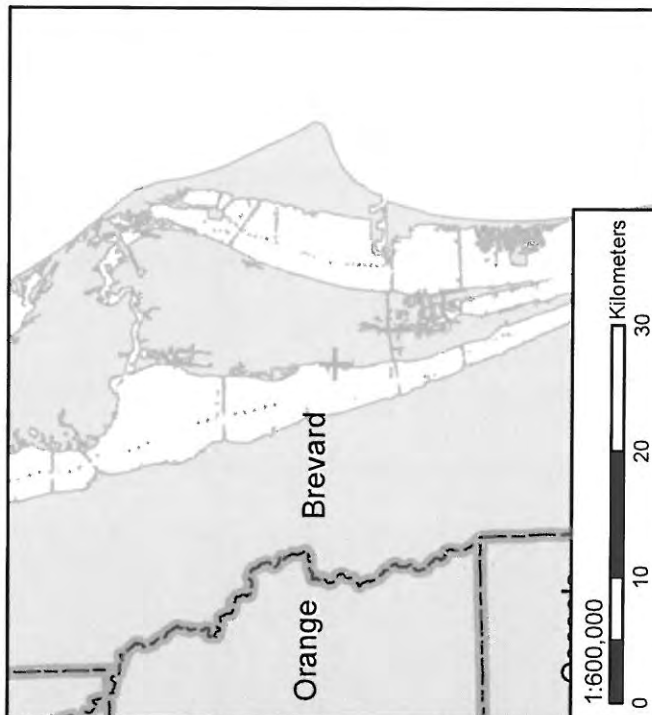
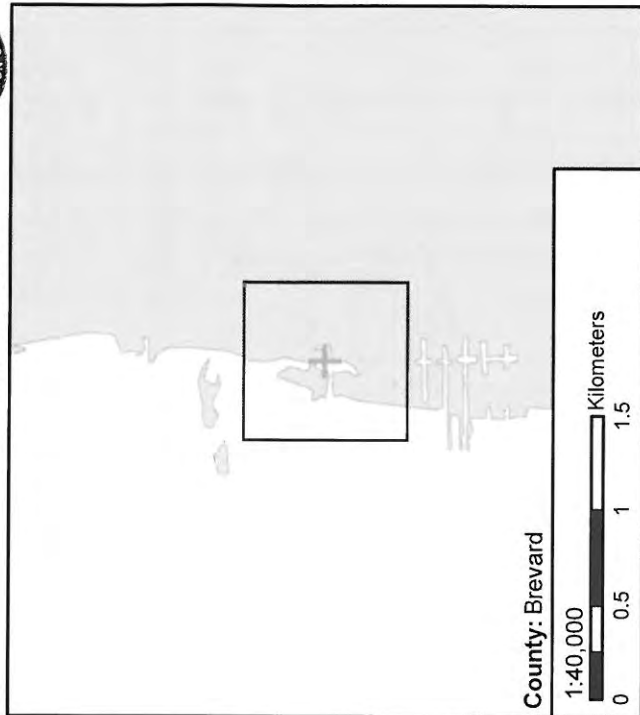
Rescue Date: 7/16/2011

Facility ID: SWFTm116b

Map Created 3/12/2013



**Locality Description:**  
NE side of Manatee Cove



Latitude: 28.44745°N

Longitude: -80.72063°W

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Research Administrator  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman, Research Associate  
Fish and Wildlife Research Institute  
Indian River Field Lab

**FROM:** Megan Lizotte  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 25 July 2011

**SUBJECT:** The rescue and release of a manatee entangled with a crab trap buoy and line in Manatee Cove in Merritt Island on 16 July 2011 (REC1124/SWFTm1116b).

The attached rescue report for **REC1124** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data



## Szemer, Donna

---

**From:** Rush, Christine  
**Sent:** Tuesday, July 19, 2011 9:53 AM  
**To:** Szemer, Donna; Bassett, Brandon  
**Subject:** REC1124/SWFTm1116b

Hey Brandon and Donna,

We had a rescue that was a disentanglement and release. Our PIT tag reader was working before we left, but was dead on the boat. We thought that the tags were sequential and decided to go ahead and pit tag anyway. That way if one was brought it that didn't have tags documented, we would know which one it was, or if it was already pit tagged, it would come up anyway. Megan and I figured we could figure out the number though because the new ones at least are sequential. That's not the case for these. At the very least, the manatee did not have a cookie cut, will have a scarred pec and has a few scars on its back. I was wondering if there's a way to put a section in the database to flag this particular manatee. I am unsure if anyone has done this in the past. Hopefully, not, and if she shows up dead years from now, we'll know it's her. I apologize for this mistake. I weighed the pros and cons and figured it was the right decision. Also, the SEFL should be getting us the underwater pit tag scanner soon, so since this manatee hangs out in the same area pretty much daily, we could go out on our boat and see if we pick anything up. Again, I apologize and hope we didn't screw things up too royally.

Christine N. Rush  
Marine Mammal Biologist  
1220 Prospect Ave.  
Suite 285  
Melbourne, FL 32901  
Phone: (321)953-5037  
Fax: (321)984-4824

# Rescue Report

## GENERAL:

Date of Rescue: 22 July 2011 Date of Initial Call: 12 July 2011 Filed by: C. Rush  
Rescue ID#: REC1125 Facility ID: MSTm1110 FWC Case: 7364 Officer Name: N/A  
Sex: Male Length: 255 cm Estimated: No  
PIT Tag Applied: No PIT Tag Present: No #R ☐☐☐☐☐☐☐☐ L ☐☐☐☐☐☐☐☐  
LOCATION:  
State: FL City: Vero Beach County: Indian River Waterway: Indian River  
Latitude (Decimal Degrees): 27.575920°N Longitude (Decimal Degrees): -080.330581°W  
Locality Description: North side of the dock behind 2156 Harbor Lane.  
Method of Capture: Net set from the rescue boat and land.

## REASON FOR RESCUE

Check one of the following:

☒ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify): \_\_\_\_\_

## Watercraft

Check one of the following:

☒ Propeller ☒ Skeg ☒ Suspected Impact  
Describe: Superficial propeller and skeg marks with associated internal injuries.

## Entanglement

**Gear Type:** (Check all that apply)

☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☐ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify): \_\_\_\_\_

**Location of Entanglement:**

**If Crab Pot:**

Float#: Color: Line Type::

**Damage from Gear:**

☐ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_\_ cm  
Comments:

Gear Retained? ☐ Y ☐ N

## Rescue Report

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
12 July 2011, at 1439 hrs.	<p>FWC-biologist Christine N. Rush (CNR) responded to a text from FWC-dispatch Orlando regarding an injured manatee in Vero Beach at Round Island. FWC-case number 7364 was assigned. The complainant, Tonya Soski (772-696-2737), sighted a manatee that was unable to submerge and hiding in the mangroves. CNR requested officer assistance. CNR then contacted Indian River Mosquito Control-Rodney Robison (RR) also to request assistance. RR agreed to respond. RR contacted CNR within the hour to inform her the manatee had a suspected pneumothorax. CNR informed RR that he did not have to remain on sight and that she and FWC Ann Spellman (ACS) would be down as soon as possible to document the manatee. CNR and ACS arrived at Round Island by 1715 hrs and immediately sighted the injured manatee. CNR entered the water to mark the manatee with orange grease marker to make him more visible and get a closer look at the injury. ACS took photos from the bridge to document the injury and his behavior. CNR planned to search first thing in the morning. RR informed CNR that he would be searching the area as of 0700 hrs the following morning as well. SeaWorld was not available to assist, so CNR contacted SEFL-John D. Cassady (JDC) to set up a potential rescue for the following day and to put him on alert since the manatee was on the boarder the ECFL and SEFL territory.</p> <p>RR contacted CNR to inform her that the manatee was not at Round Island, and was currently searching the surrounding area. FWC-Volunteer Leo J. Cross</p>

## Rescue Report

13 July 2011, at  
0730 hrs.

(LJC) and Hubbs SeaWorld-Teresa Mazza and Catalina Londono met up with ECFL at the Round Island Boat Ramp to help search for the manatee as well. While en route to the boat ramp, CNR informed JDC that the manatee could have moved into the northern part of his area. JDC informed CNR that he would put LE on alert as well as Harbor Branch.

After numerous hours of searching, CNR contacted FWC-Lt. George Waldeck to see if he was able to assist by air. He agreed to search the area by helicopter and thought he had found the manatee of interest. Unfortunately, it was a different manatee and the search was called off at 1500 hrs.

22 July 2011, at  
0807 hrs.

RR contacted CNR to inform her that the injured manatee was back at Round Island. CNR informed RR that she would make some phone calls to get a rescue crew together and would be down as soon as possible. CNR contacted FWC-biologist Megan E. Lizotte (MEL) to inform her of the situation. CNR then contacted JDC to see if he could assist with the rescue. CNR contacted the rest of the rescue crew as well as MMPL-Andy Garrett and Miami Seaquarium. RR contacted CNR before she arrived at Round Island to inform her that the manatee was on the move and he would stay with it. FWC-volunteer Steve Cox (SC) was already on scene at Round Island as well and agreed to help with the rescue. MEL contacted her father John P. Lizotte (JPL) to see if he was available to assist as well since other FWC-volunteers were out of town, unreachable, or not able to assist.

The rescue boat arrived at the Round Island Boat Ramp at 1330 hrs and was directed to the manatee by RR via CNR's cell phone. The manatee was resting along with 5 other manatees in a small residential canal just north of Round Island. After a lot of maneuvering, JDC was able to get the injured manatee away from the others. LJC jumped off the boat into the mangroves to hold one end of the net on the south side of the canal. JDC then did a slow set over to a dock on the north end of the canal, where CNR guided the bow east by hand and pushed the boat off back to the south side to close the net set. The manatee was brought on board by 1430 hrs and quickly returned to the Round Island Ramp where the manatee was loaded into the transport truck. The manatee was transported down to the Miami Seaquarium by CNR, MEL, LJC, and KAW.

### Participants:

FWC: CNR, MEL, LJC, JDC, KAW, SC, JPL

**Total time: 18 hrs**



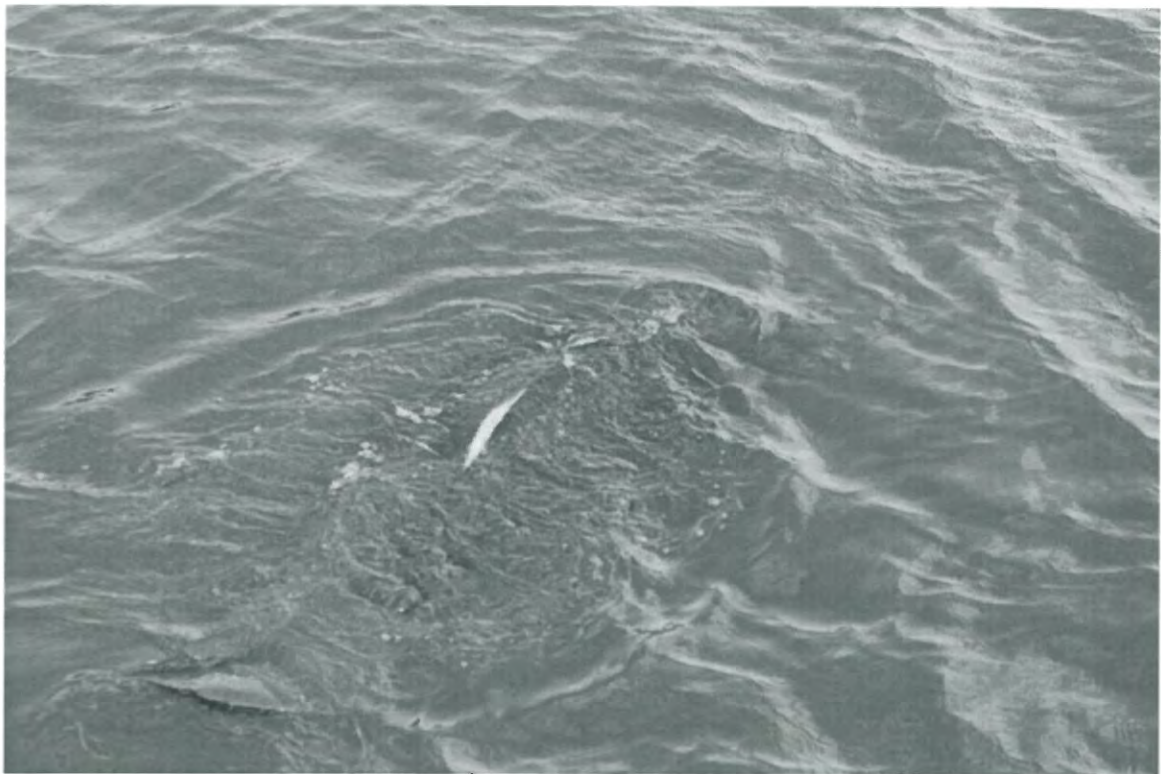
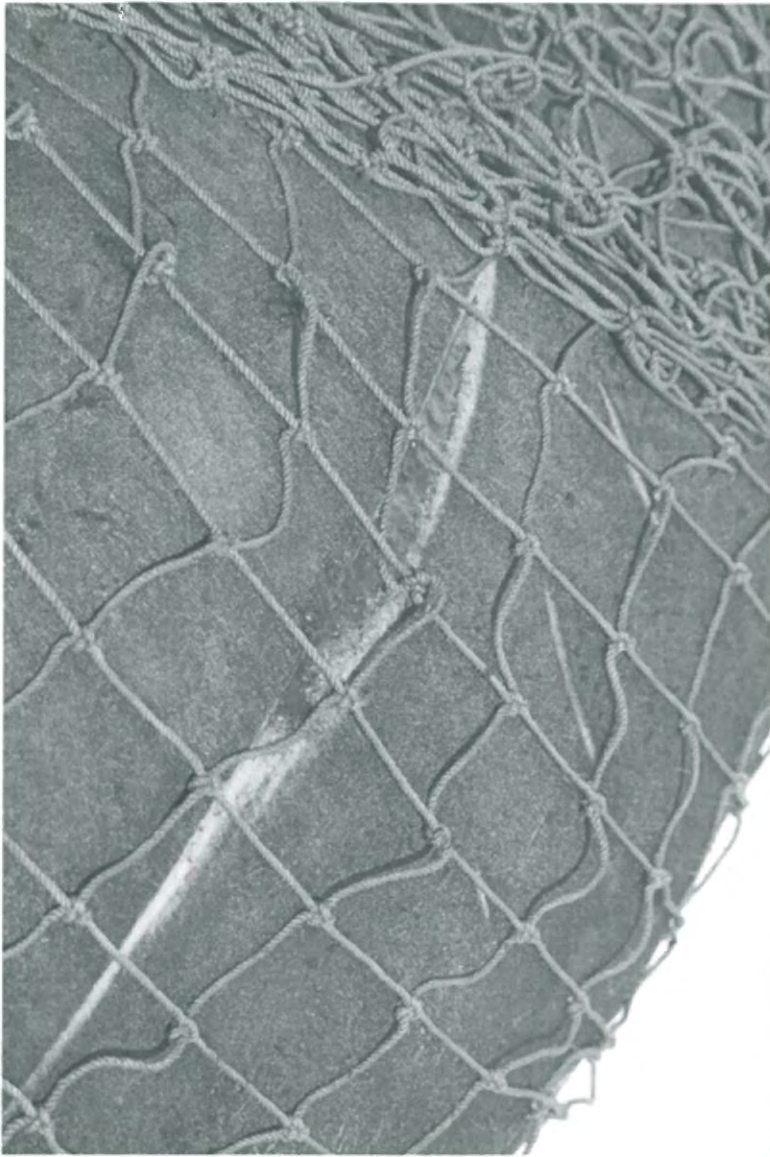
# Rescue Report

**REC1125**

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, MS, FWS





MSTM1110  
REC1125





# Verified Response Location of Manatee Rescue REC1125

Rescue Date: 7/22/2011

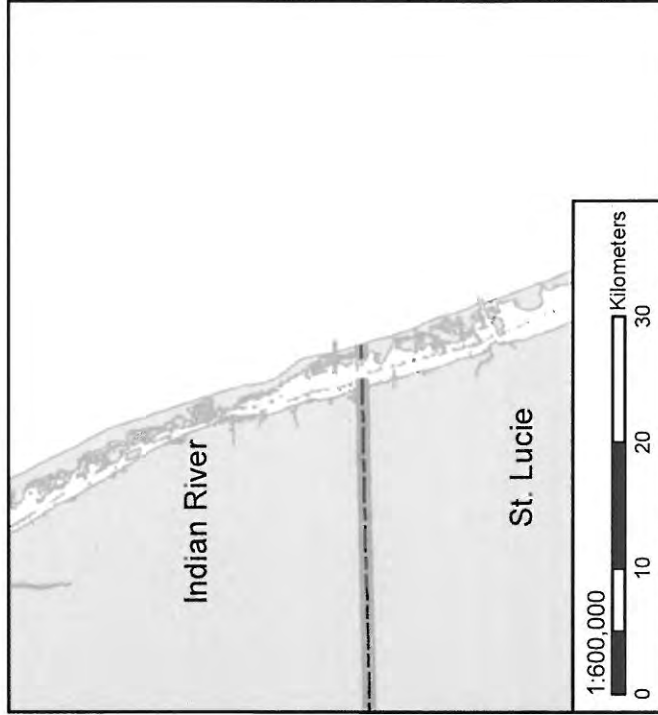
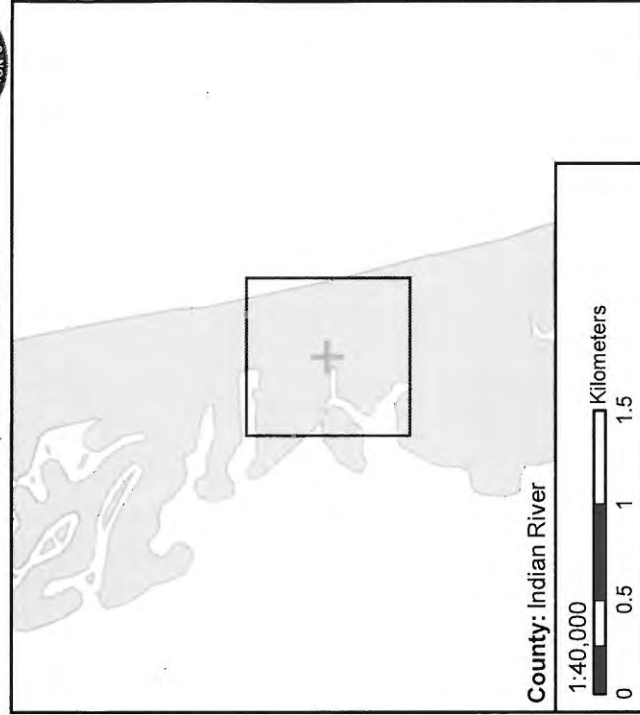
Facility ID: MSTm1110

Map Created 3/12/2013



Locality Description:

N side of dock behind 2156 Harbor Lane



Latitude: 27.57592°N

Longitude: -80.33058°W

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

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**TO:** Tom Reinert, Research Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 10 August 2011

**SUBJECT:** The rescue of a manatee with a pneumothorax from Vero Beach, near Round Island (REC1125/MSTm1110).

The attached rescue report for **REC1125** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☐ Entanglement Data



**Manatee Information (MLog:1314 )**Animal ID:**MSTm1110** Sex:**M** Name:**Bouy** Rearing:**Wild reared****-- Rescue Information -----****Rescue Date:** 07/22/2011    **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Watercraft Both**Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Critical**Suspected Pregnant:** Animal sex is male or unknown**-- Rescue Location Information -----****State:** FL    **County:** Indian River    **City:** Vero Beach**Waterway:** Indian River**Latitude:** 27.575920    **Longitude:** -80.330581**Relocated, where?:****Did animal die during rescue or transport?:** No**-- Measurement -----****Weight (kg):** 363    **Estimated Weight?:** Yes    **Date Weighed:** 07/22/2011**Length (cm):** 155    **Estimated Length?:** No    **Date Measured:** 07/25/2011**-- Other Rescue Information -----****Tracker:**    **Transporter:** FWC Indian River Field Station**Facility transported to:** Miami Seaquarium**Veterinarian:** Maya Rodriguez    **Organization:** Miami Seaquarium**Participating Org:** Rescue team was ECFL and SEFL**Flood Gate:**    **Pot Status:****Additional Narrative:** Male with pneumothorax**-- Report Information -----****Created By:** Jodi Linvill    **Created Date:** 07/28/2011**Updated By:** D    **Updated Date:** 07/28/2011

## Szemer, Donna

---

**From:** mayadvn@msn.com  
**Sent:** Friday, July 29, 2011 1:19 PM  
**To:** Garrett, Andy; ateague@usgs.gov; art.yerian@dep.state.fl.us; bill.hughes@seaworld.com; boyd\_blihovde@fws.gov; cathy\_beck@usgs.gov; cbeck@usgs.gov; millerc@jacksonvillezoo.org; curator@lowryparkzoo.com; deWit, Martine; Frisch, Katherine; gzern@co.volusia.fl.us; glovewell@mote.org; Jacob, Katalin; jim\_reid@usgs.gov; jtuzinski@msq.cc; jpowell@sea2shore.org; laura.eldredge@gmail.com; michael\_lusk@fws.gov; walshm@vetmed.ufl.edu; Mosier, Andrea; mrossbt@aol.com; Nicole Adimey; pamela.sweeney@dep.state.fl.us; Quigley, Wendy; ray.ball@lowryparkzoo.com; rbonde@usgs.gov; Reinert, Tom; rrose@msq.cc; robert.wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; steven.lehr@seaworld.com; susan.lowe@dep.state.fl.us; Szemer, Donna; virginia.edmonds@lowryparkzoo.com; Ward, Leslie  
**Subject:** RE: double pneumo Update

Hi all update on our recent two pneumos:

The girls from North Captiva ("Nori" the dam and "Cappi" the calf) "Cappi" is adorable at 87# she immediately started chowing at the lettuce and is both nursing and eating solids all day. Her mom "Nori" has quite the pneumo with the 180 degree tilt, we tapped and applied the aspirator and got no end, we created a larger bore tap (it sounded like a bugle when the air came through) and left it with a heimlich valve overnight and she still had a few air bubbles escaping when I removed it, so she has quite the lung tear but is not bouyant and no tilt,,, yet, the other side has negative pressure but the lung field does not look normal on xray (she does have an old prop wound on that side) she is nursing her calf. Pretty Critical/Guarded prognosis and barely nibbling at food but we will keep working with her, blood work is not too bad. "Bouy" the pneumo from Vero Beach aspirated to negative pressure and is not bouyant,,,yet (but is still keeping his name) but he does have quite the crunchy broken ribs and his blood work is showing infection so better prognosis, he is eating, but still guarded until we see an improvement in the blood work.

Have a good weekend,

Maya

> From: [Andy.Garrett@MyFWC.com](mailto:Andy.Garrett@MyFWC.com)

> To: [ateague@usgs.gov](mailto:ateague@usgs.gov); [Art.Yerian@dep.state.fl.us](mailto:Art.Yerian@dep.state.fl.us); [Bill.Hughes@SeaWorld.com](mailto:Bill.Hughes@SeaWorld.com); [Boyd\\_Blihovde@fws.gov](mailto:Boyd_Blihovde@fws.gov); [Cathy\\_Beck@usgs.gov](mailto:Cathy_Beck@usgs.gov); [cbeck@usgs.gov](mailto:cbeck@usgs.gov); [millerc@jacksonvillezoo.org](mailto:millerc@jacksonvillezoo.org); [curator@lowryparkzoo.com](mailto:curator@lowryparkzoo.com); [Martine.deWit@MyFWC.com](mailto:Martine.deWit@MyFWC.com); [Katherine.Frisch@MyFWC.com](mailto:Katherine.Frisch@MyFWC.com); [gzern@co.volusia.fl.us](mailto:gzern@co.volusia.fl.us); [glovewell@mote.org](mailto:glovewell@mote.org); [Katalin.Jacob@MyFWC.com](mailto:Katalin.Jacob@MyFWC.com); [jim\\_reid@usgs.gov](mailto:jim_reid@usgs.gov); [jtuzinski@msq.cc](mailto:jtuzinski@msq.cc); [jpowell@sea2shore.org](mailto:jpowell@sea2shore.org); [laura.eldredge@gmail.com](mailto:laura.eldredge@gmail.com); [MayaDVM@msn.com](mailto:MayaDVM@msn.com); [Michael\\_Lusk@fws.gov](mailto:Michael_Lusk@fws.gov); [WalshM@vetmed.ufl.edu](mailto:WalshM@vetmed.ufl.edu); [Andrea.Mosier@MyFWC.com](mailto:Andrea.Mosier@MyFWC.com); [mrossbt@aol.com](mailto:mrossbt@aol.com); [Nicole\\_Adimey@fws.gov](mailto:Nicole_Adimey@fws.gov); [Pamela.Sweeney@dep.state.fl.us](mailto:Pamela.Sweeney@dep.state.fl.us); [Wendy.Quigley@MyFWC.com](mailto:Wendy.Quigley@MyFWC.com); [Ray.Ball@LowryParkZoo.com](mailto:Ray.Ball@LowryParkZoo.com); [rbonde@usgs.gov](mailto:rbonde@usgs.gov); [Tom.Reinert@MyFWC.com](mailto:Tom.Reinert@MyFWC.com); [rrose@msq.cc](mailto:rrose@msq.cc); [Robert.Wagoner@seaworld.com](mailto:Robert.Wagoner@seaworld.com); [sbutler@usgs.gov](mailto:sbutler@usgs.gov); [Carli.Segelson@MyFWC.com](mailto:Carli.Segelson@MyFWC.com); [Steven.Lehr@seaworld.com](mailto:Steven.Lehr@seaworld.com); [Susan.Lowe@dep.state.fl.us](mailto:Susan.Lowe@dep.state.fl.us); [Donna.Szemer@MyFWC.com](mailto:Donna.Szemer@MyFWC.com); [Virginia.Edmonds@LowryParkZoo.com](mailto:Virginia.Edmonds@LowryParkZoo.com); [Leslie.Ward@MyFWC.com](mailto:Leslie.Ward@MyFWC.com)

> Date: Mon, 25 Jul 2011 08:29:55 -0400

> Subject: Rescue Update

>

> Vero Beach:

>

> An excessively buoyant manatee with a recent watercraft wound was reported in the Indian River on Friday. A rescue team (ECFL and SEFL staff) was able to capture the 8 ft male manatee on the first net set attempt. The manatee was transported by ECFL staff to MSQ.

>

> -Andy



MSTM 11/10  
REC 11/25  
Read more at tcpalm.com "Buoy"

## Indian River manatee returned after Miami Seaquarium rehabilitation

By Janet Begley

Monday, December 12, 2011

VERO BEACH — When Jeff Scott, a Denver resident, returns from his trip to Vero Beach, he'll have quite a story to tell.

Scott was one of 10 volunteers and staff from the Florida Fish and Wildlife Conservation Commission who released a 780-pound manatee to the Indian River on Monday after six months of rehabilitation at the Miami Seaquarium.

"It was exciting to help out," said Scott, who was biking at Round Island Riverside Park in Vero Beach when the release took place. "When they asked for a volunteer, I could see they needed a hand because the manatee was so heavy. It gave me a chance to see him up close."

Called "Buoy" by the Seaquarium staff, the 8½-foot male manatee was injured by a watercraft and rescued by biologists July 22 from the Indian River, just north of the release site. The injury affected the manatee's lungs and his ability to breathe underwater.

"This animal was an adult when we rescued him," said biologist John Cassady. "We always try and bring them back to an area that they're familiar with."

The animal made the 145-mile trip from Miami by truck, accompanied by biologists and staff members who held him steady. About a dozen manatees are rescued, rehabilitated and released each year in the Central Florida district, which includes Indian River County.

"He was good for most of the ride," said Cassady. "But once he started getting closer, he got a little antsy."

Using a sling, biologists moved the manatee from inside the truck onto a lift, and then lowered him to the ground. He was then lifted several feet to the boat ramp and released into the river.

"It's very satisfying," said Cassady. "This is what this job is all about. The whole purpose is to rescue and rehabilitate manatees and get them back into the wild."

Cassady said that even at 780 pounds, "Buoy" is considered underweight for an 8-year-old adult male.

"He's still a little thin," said Cassady. "But he's got plenty of sea grass here to eat and put on weight in no time."

Steve Cox, an FWC volunteer, assisted at the rescue in July and said it was gratifying to see the animal returned to the river.

"He looks good," said Cox, who owns Adventure Kayaking in Vero Beach. "This is the first one I've been involved in both the rescue and release. It's always great when you see an animal rescued, rehabilitated and released."

#### MANATEE FAST FACTS

Florida's state marine mammal

Length: 10 to 12 feet

Weight: 1,500 to 1,800 pounds

Lifespan: 50 to 60 years in the wild

Herbivore: Eats mostly marine and freshwater plants

Source: Defenders of Wildlife, Washington, D.C.



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# Florida Fish and Wildlife Commission releases manatee back into wild

## Mammal had lung injuries from boat accident



Photographer: WPTV

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Posted: 12/12/2011

- By: Liz Flynn

VERO BEACH, Fla. - It was found badly injured. Now, a Florida manatee has been released back into the wild in Indian River County after months of rehabilitation. The manatee was run over by a boat; however, boating accidents are only one of several concerns the Florida Fish and Wildlife Commission has about our manatee population.

"One, two, three," count biologists and volunteers as they hoist their passenger out of the Florida Fish and Wildlife Commission's truck and back into the water. After five months at the Miami Seaquarium, "Buoy" is going back where he belongs.

"It's very satisfying," explained John Cassady, a manatee biologist with the Florida Fish and Wildlife Commission. "This is really what the job's all about."

Cassady was one of several people helping Buoy back into the water at Round Island Park. The 780 lb., 8 and a half foot Florida manatee is now healthy after he was seriously injured by a boat.

"He had some impact wounds from a watercraft collision that left him with some internal injuries

that affected his lungs," Cassady explained. "Fortunately, we were able to get him down to the Seaquarium in time and they did a great job rehabilitating him and he recovered pretty quickly."

Vacationing Denver, Colorado resident, Jeff Scott, rolled up his sleeves on Monday to help get the manatee back home.

"It was amazing how quiet he was on the mat there," said Scott. "We lifted him in and off he swam."

Buoy is now back in the water at a time when more manatees are returning to our area for the winter. Unfortunately, as many manatees make their way to South Florida, there's a high likelihood that they will be injured; however, boating injuries aren't the only threat to these mammals.

"In Brevard County in the past week, we've been seeing a little higher than usual number of calves dying," said Florida Fish and Wildlife Commission marine biologist Ann Spellman, "A couple from cold stress and one from a watercraft strike, and a couple more that we have to pick up before we can say what they died from."

As biologists work to save these mammals, people like Scott will be doing their part too.

"If I'm renting a boat, I'm going to keep an eye out for them, for sure," he said.

Florida Fish and Wildlife Commission officials said if boaters take precautions to watch for manatees, stay in marked channels and follow posted speeds, it will do a lot to make sure manatees like Buoy will be in South Florida for a long time.

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Read more: [http://www.wptv.com/dpp/news/region\\_indian\\_river\\_county/vero\\_beach/florida-fish-and-wildlife-commission-releases-manatee-back-into-wild#ixzz1gWZHDp8w](http://www.wptv.com/dpp/news/region_indian_river_county/vero_beach/florida-fish-and-wildlife-commission-releases-manatee-back-into-wild#ixzz1gWZHDp8w)

Kesa/Rel  
5/3/12  
to cement  
in the plastic  
box

Entered  
9/7/11  
DSS

Enticement  
other  
plastic  
hook

Check one of the following:

## Watercraft

Check one of the following:

## Entanglement

**Gear Type:** (Check all that apply)

<input type="checkbox"/> Monofilament Line	<input type="checkbox"/> Hook
<input type="checkbox"/> Net	<input type="checkbox"/> Buoy
<input type="checkbox"/> Polyprop/Nylon Line	<input type="checkbox"/> Trap
<input type="checkbox"/> Sinkers	<input checked="" type="checkbox"/> Other (Specify): <u>Drum barrel strap?</u>

**Location of Entanglement:** Encircling the manatee's mid-section, proximal to the umbilical scar.

### If Crab Pot:

Float#:                      Color:                      Line Type::

### Damage from Gear:

☐ No Damage                      ☐ Abrasions  
☒ Breaking Skin Surface      Depth of Entanglement Penetration: 10 cm  
 Comments: Depth of penetration varies on different aspects of the body

## Rescue Report

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
12 August 2009, at 1532 hrs	FWC-biologist Christine N. Rush (CNR) received a phone call from the Merritt Island National Wildlife Refuge (MINWR) regarding a manatee with a rope or cable around its body. MINWR was contacted by Ben (321-853-3414), a NASA employee who worked on the rocket booster ships, the Liberty Star and the Freedom Star, at the AAF Hanger, in Cape Canaveral. CNR contacted the complainant, but the manatee had already swum off and he could no longer see it. He informed CNR that he would try to get pictures and call in the manatee in if he saw it again.
13 August 2009, at 0900 hrs	CNR was contacted by Ben to inform her that the manatee was back at the Freedom Star. CNR informed Ben that she and FWC-biologist Ann C. Spellman (ACS) would be on scene shortly. Upon the arrival of CNR and ACS, the manatee had gone into deeper water and was part of a mating herd, which was seen through binoculars. ACS contacted SeaWorld to attempt to rescue the manatee. CNR launched the kayak in the meantime to stay near the mating herd and to get a visual. CNR never saw the manatee from her vantage point. SeaWorld agreed to attempt a rescue, but the manatee was never seen after they launched the boat. The NASA helicopter was deployed to assist with finding the manatee, but was unable to locate it. CNR contacted FWC-dispatch Orlando to put our officers on the lookout for a manatee with a constriction



## Rescue Report

around it. FWC-case number 6614 was assigned.

- 14 August 2009 CNR located the manatee at the AF Hanger in Cape Canaveral and photographed it. CNR contacted state rescue crews and SeaWorld, but no one was available to assist. This was the only day CNR observed the manatee for an extended amount of time at the hose of the Liberty Star. CNR photographed the manatee and decided to attempt to tag it. Due to the large alligators in the area, five armed observers were on site for CNR to get into the water. CNR only had the clip on transmitter, since ECFL did not have a belt at the time. CNR attempted to clip on, but the carabineer would not fit underneath the constriction. The constriction was purple and appeared to be a hula hoop. At the time, there wasn't any space between the constriction and the manatee. CNR contacted ACS to inform her of the situation. Pictures were sent to SeaWorld and FWC staff. The Canaveral Locks were also put on alert incase the manatee went to the lock chamber.
- 15 August 2009 CNR searched for the manatee all day, along with numerous officers, but was unable to locate it.
- 13 November 2010, at 1712 hrs On-call biologist ACS responded to dispatch regarding a manatee, in a canal near the Merritt Island High School, with an embedded cable around its body. FWC-case number 9889 was assigned. The complainant, Arnold Huffman (321-863-9196), described the "hula hoop manatee." ACS requested that the complainant attempt to photograph the manatee if possible.
- 14 November 2010 CNR and FWC-volunteer Diane Schwartz went to the scene, near the Merritt Island High School, by land while ACS flew in the helicopter with FWC-Lt. G. Waldeck in an attempt to locate the manatee. The manatee was not seen by air or land.
- 24 February 2011, at 1900 hrs Brevard County Life Guard- George Ann Zimmer (954-708-0305) saw a manatee in the Eau Gallie River, at the Waterline Marina in Melbourne, that appeared to have a strap around the midsection. She contacted ACS directly on her cell phone, and sent out photographs to all ECFL biologists.
- 25 February 2011, at 0830 hrs The following day, CNR went to the Waterline Marina in an attempt to locate the manatee by land. Based on the photographs taken the evening before, it appeared to be the same manatee. CNR was unable to locate the manatee, but put a BOLO out for law enforcement and spoke to numerous people to keep an eye out for it. CNR also contacted FWC-biologist Megan E. Lizotte (MEL) to inform her that the manatee was seen in the river. FWC-case number 1663 was assigned. Later that morning, MEL and FWC-volunteer Jaclyn Ludema took the ECFL boat out into the Eau Gallie river to search for the manatee, but were

## Rescue Report

unable to locate.

12 May 2011

On-call biologist ACS received a call from NASA security regarding the manatee with the constriction. According to a security officer, the manatee was seen at the dock of the security office, off of the Saturn Causeway, in Merritt Island.

13 May 2011, at  
0830 hrs

ACS called MEL to inform her of the manatee sighting the night before and to request that MEL go to the NASA security office and attempt to document the manatee's presence. MEL arrived at the Security office dock by 1000 hrs, but the manatee had left the scene. MEL spoke with the on-duty security officer and requested that any officers who saw the manatee again would call it into the FWC immediately.

21 June 2011

CNR stopped by Kars Park in Northern Merritt Island en route to getting a new NASA security badge. CNR wanted to speak with the security guards about manatee issues they wanted to discuss, but no guards were at the shack. CNR decided to see what manatees were in the cove and spotted the manatee with the constriction. CNR photographed the manatee briefly and then went back to Melbourne to get a VHF tag. CNR contacted FWC-volunteer Karin Rudisill (KR) to see if she was available to assist. CNR and KR went back to Kars Park and attempted to slip a modified belt (intended for this manatee) over its head while it was drinking from the hose. The attempts were unsuccessful. CNR sent out photographs to FWC, USGS, and SeaWorld staff.

22 June 2011, at  
0900 hrs

CNR located the manatee again at Kars Park and got into the water this time in an attempt to belt the manatee. CNR came very close a few times, but due to a lot of commotion in the cove, was unsuccessful.

23 June 2011

CNR was able to obtain better photographs from the previous day and sent them out to the same group of biologists and veterinarians. FWC-Andy J. Garrett contacted CNR to see if a rescue attempt could be made without having to tag the manatee. CNR described the difficult situation, the number of manatees always in the cove, and other concerns, but agreed that it was worth a shot. CNR contacted SeaWorld after speaking to AJG to put them on alert for a potential rescue attempt. After speaking with AJG, CNR and MEL attempted to tag the manatee at Kars Park again, but were unsuccessful. The manatee was only interested in mating by where the large alligators are, across the cove.

27 June 2011, at  
0930 hrs

MEL located the manatee and contacted CNR to meet her at Kars Park. MEL then contacted SeaWorld to inform them that the manatee had shown up again and set up a rescue attempt. Since the manatee was naturally evasive, there was zero water clarity, and several manatees in the cove, it was decided to not attempt to capture the manatee.

## Rescue Report

28 June 2011, at  
0900 hrs

CNR and ACS located the manatee. CNR stayed on the dock while ACS made an attempt to tag the manatee. ACS grabbed onto the constriction to see if a carabineer could fit under it since looked much different than it did two years ago. ACS grabbed onto the constriction twice, but was unable to tag the manatee. However, it was clear that the tag could be clipped onto the entanglement now.

July 2011

CNR, MEL, ACS, Kars Park Security, or FWC-volunteer Angela Preston checked every day to see if the manatee was present in the cove. When present, ECFL staff entered the water ready to tag, but the opportunity did not present itself very often. He frequently left the area for days at a time, was in mating herds, or just disappeared once someone entered the water.

05 August 2011, at  
1100h

MEL and CNR arrived at Kars Park and spotted the entangled manatee in the water near the hose. MEL and CNR got into the water, each with a tracking device, and attempted to approach the manatee to tag it. Around 1130 hrs, it was noted that the manatee would come to the surface, drink some water for a minute, then would submerge and bottom rest. Therefore, obtaining a visual of the manatee was very sporadic. MEL began to feel all the manatees that were sitting underwater near the hose. MEL then felt the upraised skin of the entangled manatee and was able to immediately stick her fingers under the plastic strap. MEL then grasped the plastic strap and quickly clipped the tag onto the entanglement. MEL and CNR attempted to locate the animal in the marina visually and with the VHF responder, but it was deemed that the animal had left the scene, and was headed north. CNR and MEL planned a rescue with SeaWorld and with FWC volunteers for the following morning and also informed FWC-biologist Ann C. Spellman (ACS) about the rescue for the following day. CNR then contacted NASA security to inform them of the possibility of needing to do a rescue in the secure area the following day and arranged for security escorts if needed.

06 August 2011, at  
0900 hrs

CNR, MEL, and FWC-volunteers Leo J. Cross (LJC) and Adam W. Christian (AWC) arrived at the Kars Park boat ramp. After an hour of tracking, it was determined that the manatee was in the secure area, so CNR contacted security for the escort she set up the day before. The manatee was located by 1130 hrs in the northern Banana River. CNR contacted SeaWorld-Steve Lehr and informed him they had visual contact of the manatee. CNR also contacted ACS and informed her that a visual had been obtained of the manatee and that SeaWorld would be launching from Kars Park if she wanted to be present for the rescue. CNR and MEL tracked the animal for approximately 3.5 more hours, gaining visuals and then losing sight of the animal periodically. ACS met up with SeaWorld at Kars Park and the rescue boat was launched around 1345 hrs. NASA had a shift change for their security and while the security escort drove by to meet the rescue boat, the manatee spooked and visual was lost again. At 1500 hrs, SeaWorld and ACS arrived via SeaWorld's rescue

## Rescue Report

boat, but now the tracking box was low on battery. CNR was able to turn off the box for a few minutes, then turn it on, get a few beeps, determine the direction of the tag, then have to turn the box off again. The manatee was located again by 1530 hrs, resting in the shallows on the east bank of a spoil island. SWF rescue staff and ACS conducted a boat based net set. The manatee was pulled onto the rescue boat by 1600 hrs. The manatee was brought back to the Kars Park boat ramp and was loaded into the SeaWorld transport truck by 1645 hrs.

### Participants:

FWC: CNR, MEL, ACS, Volunteers-LJC and AWC  
SeaWorld Animal Care Staff

### REC1126

Attachments: map

Photos: FWC025\_2011-08-06\_0190-0091

FWC025\_2011-08-06\_0195-0203

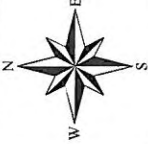
cc: FWRI, Field Labs, ISM, SWF, FWS







SWFTM1117B  
REC1126

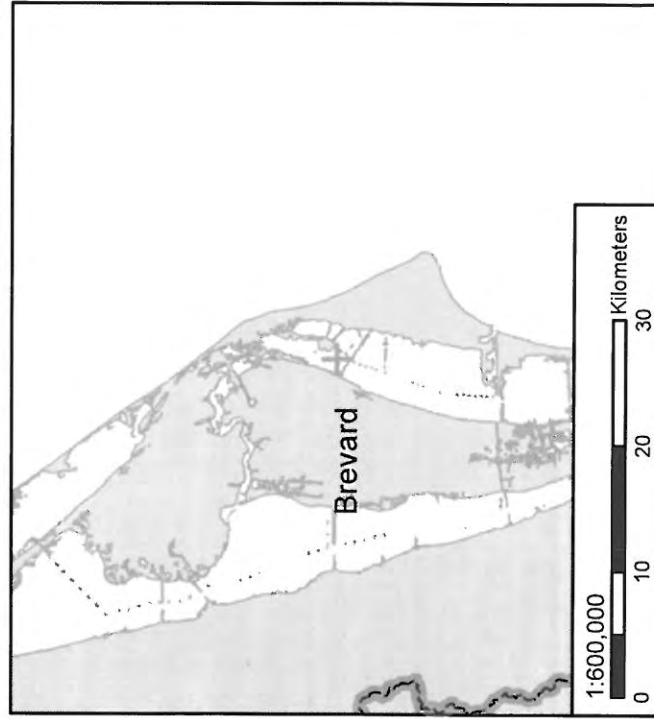
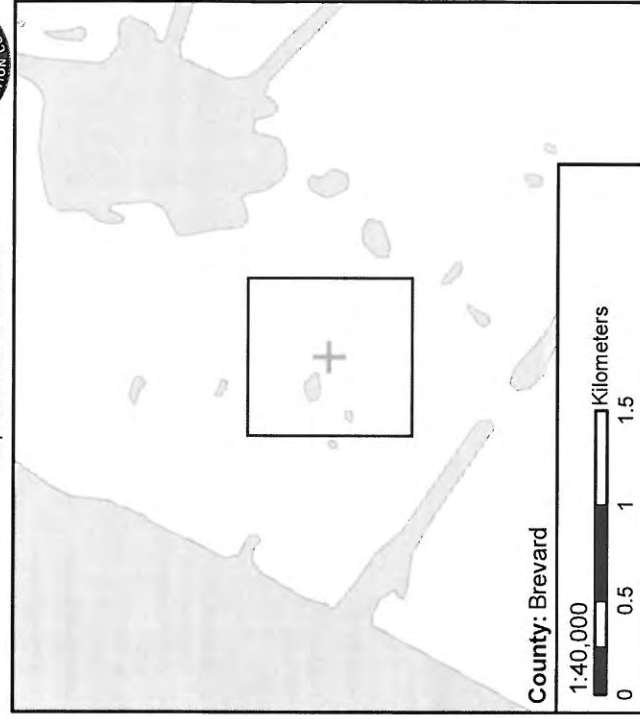
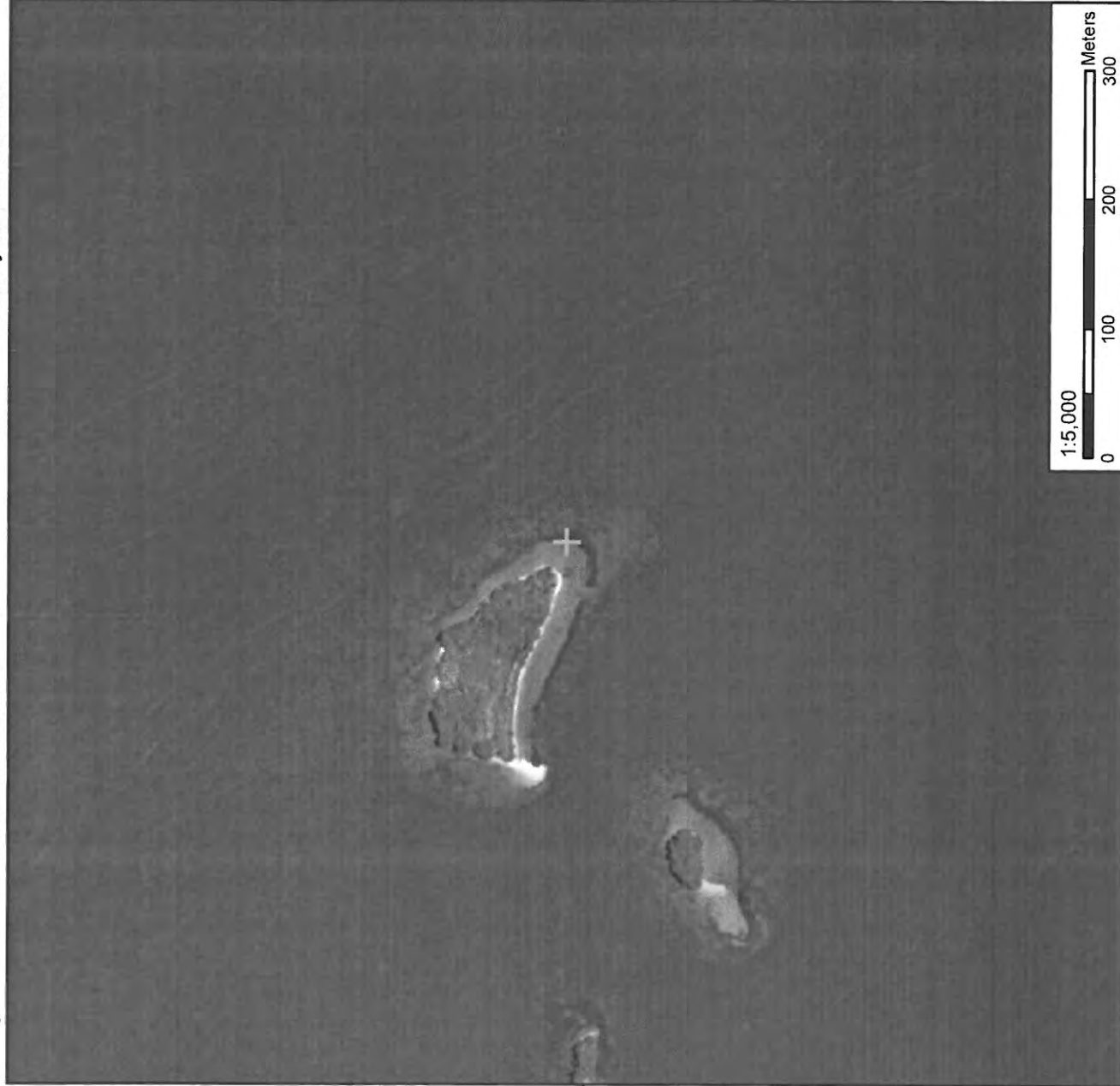


# Verified Response Location of Manatee Rescue REC1126

Rescue Date: 8/6/2011

Facility ID: SWFTm117b

Map Created 9/17/2013



## Locality Description:

approximately 1 km NNE of the NASA Causeway bridge, E side of spoil island, W of channel

Latitude: 28.52166°N

Longitude: -80.60882°W

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**FROM:** Christine Rush, Megan Lizotte, and Ann Spellman  
Marine Mammal Biologist  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 19 August 2011

**SUBJECT:** The rescue of a well-documented male manatee constricted with a plastic strap around its mid-section from the northern Banana River, Cape Canaveral, in Brevard County on 06 August 2011 (REC1126/SWFTm1117b).

The attached rescue report for **REC1126** includes:

- ☒ Narrative (MS Word)
- ☒ Digital Pictures (Jpeg)
  - ☒ Setting    ☒ Rescue Effort    ☒ Scar (Dorsal, Fluke)
- ☒ ArcView Map (Jpeg)
- ☒ Entanglement Data



Kess**Manatee Information (MLog:1319 )**Animal ID: **SWFTm1117B** Sex: **M** Name: Rearing: **Wild reared**

## -- Rescue Information -----

**Rescue Date:** 08/06/2011 **Rescue Per Day:** 1**Rescue Type:** Brought into captivity**Primary Cause:** Entanglement, *other**REC1126***Primary Cause Text:****Secondary Cause:****Secondary Cause Text:****Health Status:** Guarded**Suspected Pregnant:** Animal sex is male or unknown

## -- Rescue Location Information -----

**State:** FL **County:** Brevard **City:** Cape Canaveral**Waterway:** Banana River**Latitude:** 28.521664 **Longitude:** -80.608821**Relocated, where?:****Did animal die during rescue or transport?:** No

## -- Measurement -----

**Weight (kg):** 386 **Estimated Weight?:** No **Date Weighed:** 08/06/2011**Length (cm):** 283 **Estimated Length?:** No **Date Measured:** 08/06/2011

## -- Other Rescue Information -----

**Tracker:** **Transporter:** SeaWorld Florida**Facility transported to:** SeaWorld Florida**Veterinarian:** Laura Croft **Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF Rescue crew**Flood Gate:** **Pot Status:****Additional Narrative:** Animal had a plastic hoop wrapped around his body, this hoop had been on for about 2 years since the animal was first spotted. FWC was finally able to attach a tag onto the animal on Friday 8/5/2011, sent a crew out the next day and rescued the animal.

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 08/14/2011**Updated By:** D **Updated Date:** 08/14/2011

## -- Entanglement Information -----

**Gear Type:** Other**Gear Description:** Plastic L-shaped hoop**Entanglement Location:** Around the girth of the animal

## -- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 08/14/2011**Updated By:** D **Updated Date:** 08/14/2011



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Sunday, August 07, 2011 11:52 AM  
**To:** FWRI-Mammals  
**Cc:** Segelson, Carli; Hill, Joy  
**Subject:** Manatee w/ hoop on it rescued at last!  
**Attachments:** FWC025\_2011-08-06\_0198.jpg; FWC025\_2011-08-06\_0201.jpg

REC1126

Stay tuned for the exciting details to follow. In a nutshell for those of you who cannot wait- Megan tagged it Fri. at Kars Park- Yay Megan! Megan and Christie tracked it on Sat. with the help of two of our volunteers and Christie did an excellent job tracking. I joined the SWF crew to meet them up in the NASA restricted area to catch the little bugger- after two years of trying to get it tagged, we caught it on the first set. It is now at SWF where they will evaluate the constriction and proceed from there. We have asked that SWF x-ray it if possible before removing the strap. There was as silver lining to the past two cold winters- the manatee lost weight allowing Megan to clip under the band- a purple machine belt- something we could not do when we first saw it two years ago when the belt was extremely tight. Photos attached. All in all a most excellent weekend!

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

**Szemer, Donna**

---

**From:** Spellman, Ann  
**Sent:** Thursday, August 11, 2011 2:46 PM  
**To:** FWRI-Mammals  
**Cc:** Quigley, Wendy; Hill, Joy  
**Subject:** Hoop removed from manatee today  
**Attachments:** FWC025\_2011-08-11\_0271.jpg

REC1126(-?)

Thought you might all enjoy this picture. SWF removed his container strap this morning and he was ever so frisky afterwards. Dr. Davis said the x-rays look as though the strap did not perforate the chest or body wall. He is eating well and very active.

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

**Manatee Information (MLog:1319 )**Animal ID:**SWFTm1117B** Sex:**M** Name:**Kahula** Rearing:**Wild reared****-- Release Information -----****Release Date:** 05/03/2012**-- Release Location Information -----****Release Site:** KARS Park**State:** FL **County:** Brevard **City:** Merritt Island**Waterway:** Banana River**-- Measurement -----****Weight (kg):** 400 **Estimated Weight?:** No **Date Weighed:** 01/05/2012**Length (cm):** 281 **Estimated Length?:** No **Date Measured:** 01/05/2012**-- Other Release Information -----****Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:** No tracker**Veterinarian:** Scott Gearhart**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SWF Rescue crew**Additional Narrative:** Measurements were taken at site by FWC also photos were taken at site for USGS**-- Report Information -----****Created By:** Bob Wagoner **Created Date:** 05/03/2012**Updated By:** D **Updated Date:** 05/03/2012

**Manatee Information (MLog:1319 )**Animal ID:**SWFTm1117B** Sex:**M** Name:**Kahula** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 01/05/2012    **Tag ID** 0006EE3EC7**Tag ID** 0006EE3EC7**Information:** Pit tag placed into the left shoulder area with number 0006EE3EC7**Event:** Rescue    **Event Date** 08/06/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 01/12/2012**Updated By:** D    **Updated Date:** 01/12/2012

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 01/05/2012    **Tag ID** 0006EE4A12**Tag ID** 0006EE4A12**Information:** Pit tag placed into right shoulder area with number 0006EE4A12**Event:** Rescue    **Event Date** 08/06/2011

## -- Report Information -----

**Created By:** Bob Wagoner    **Created Date:** 01/12/2012**Updated By:** D    **Updated Date:** 01/12/2012

Entered  
5/3/12  
DVS  
PIT +  
Capture.



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Thursday, May 03, 2012 2:16 PM  
**To:** Szemer, Donna  
**Cc:** Cathy A Beck  
**Subject:** RE: Kahula release  
**Attachments:** image001.png

I was just getting to that. Cathy- I have photos for you from today despite Kahula being very fractious upon arrival. Unfortunately my computer has virus that affects my ability to download the memory cards at this time. As soon as the IT guys fix it I'll forward the photos- should be next week at the latest I hope.

In the meantime here are his measurements and tag numbers:

REC1126/ SWFTm11117b

Male

278cm

865#

R: 00-06EE-4A12 L: 00-06EE-3EC7

Released today at Kars Park, Merritt Island, Brevard County

Cheers-  
Ann

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission  
Indian River Field Lab  
1220 Prospect Ave., Ste 285  
Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)



---

**From:** Szemer, Donna  
**Sent:** Thursday, May 03, 2012 1:56 PM  
**To:** Spellman, Ann; Rush, Christine  
**Subject:** Kahula release

Hi,

Can someone please send me the updated release measurements (and weight if you have it) for Kahula? I have PIT tag numbers and the release location.

Thanks,  
Donna



## Rescue Report

Gear Retained? ☒ Y ☐ N

### Entrapment-Human Related

Describe:

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
16 August 2011, at 0856 hrs	FWC-biologist Christine N. Rush (CNR) responded to a text from FWC-dispatch Orlando regarding an entangled manatee in Merritt Island. FWC-case number 8706 was assigned. The complainant, Sarah Schroder (321-987-5935), was in her backyard when she noticed a mating herd by her neighbor's boat. There appeared to have been monofilament connected to the stern of the boat and every time the manatee herd moved away from the stern, the line was taught. She walked over to the boat and noticed that the line was wrapped around the head of what appeared to have been the focal female. The complainant was able to grab all of the line once the manatee had gone back towards the stern of the boat, creating slack in the line. After disentangling the manatee, she removed the line from the boat. CNR later collected the fishing line, which also had a baited hook and bobber on it, for documentation.

### Participants:

Citizen rescue

REC1127

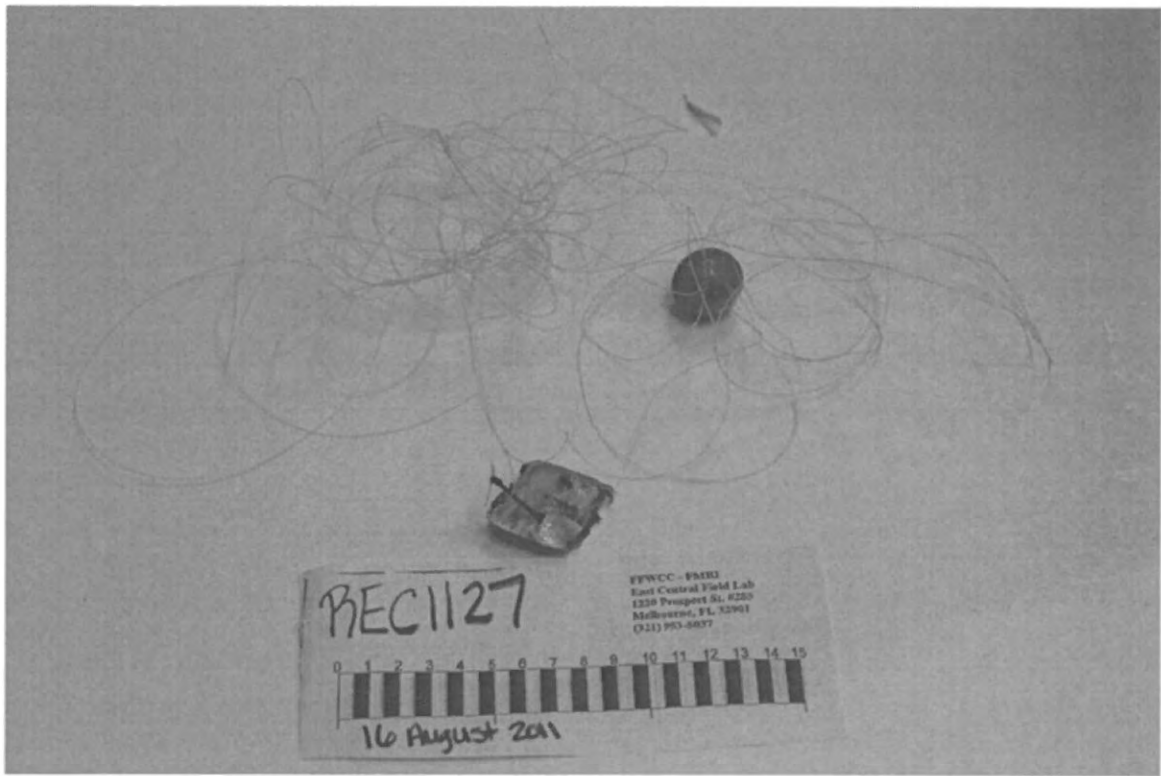


## Rescue Report

Attachments: map, Photos

cc: FWRI, Field Labs, ISM, FWS





REC1127

FWCC - FWSR  
East Central Field Lab  
1230 Prospect St. 6250  
Melbourne, FL 32901  
(321) 953-6677



16 August 2011

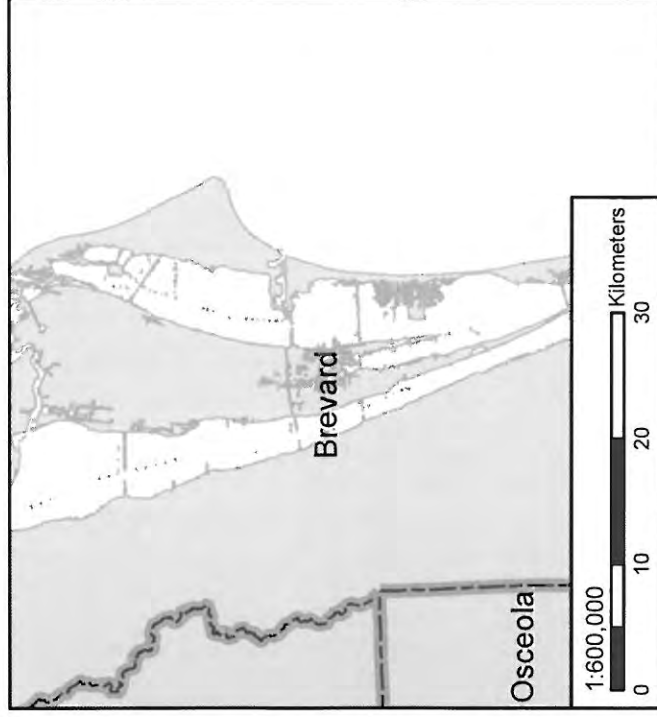
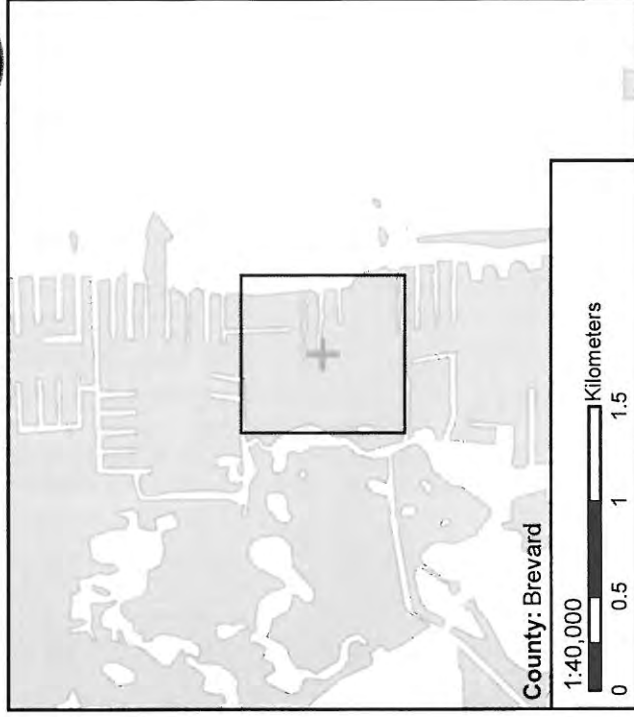


# Verified Response Location of Manatee Rescue REC1127

Rescue Date: 8/16/2011

Facility ID: N/A

Map Created 9/17/2013



## Locality Description:

behind 1040 N. Banana River Drive, behind neighbor's boat

Latitude: 28.3748°N

Longitude: -80.66889°W

## Rescue Report



### FLORIDA FISH AND WILDLIFE COMMISSION

### MEMORANDUM

**TO:** Tom Reinert, Administrator I  
Fish and Wildlife Research Institute

**THROUGH:** Ann Spellman

**FROM:** Christine Rush  
Fish and Wildlife Research Institute  
Indian River Field Lab

**DATE:** 19 August 2011

**SUBJECT:** The citizen rescue of a manatee with a monofilament entanglement around its head on 16 August 2011.

The attached rescue report for **REC1127** includes:

- ☒ Narrative (MS Word)
- ☐ Digital Pictures (Jpeg)
  - ☐ Setting    ☐ Rescue Effort    ☐ Scar (Dorsal, Fluke)
- ☐ ArcView Map (Jpeg)
- ☒ Entanglement Data



Ass. & Rel.

*Entered  
10/21/11  
JSS*

*Entanglement  
Crab-trap*

## GENERAL:

Date of Rescue: 02 October 2011      Date of Initial Call: 02 October 2011      Filed by: A. Spellman  
Rescue ID#: REC1128      Facility ID: N/A      FWC Case: 10511      Officer Name: NA  
Sex: Unk.      Length: 275cm      Estimated: Yes  
PIT Tag Applied: No      PIT Tag Present: Unk.      #R      L  
LOCATION:  
State: FL      City: Cocoa Beach      County: Brevard      Waterway: Banana River  
Latitude (Decimal Degrees): : 28.342316°N      Longitude (Decimal Degrees): -80.614148°W  
Locality Description: Behind apartments at 325 S. Banana River Dr.  
Method of Capture: Line cut with wire cutters by citizen from dock

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft    ☒ Entanglement    ☐ Entrapment    ☐ Orphan    ☐ Cold Stress  
☐ Red Tide    ☐ Other: (Specify):

### Watercraft

Check one of the following:

- ☐ Propeller      ☐ Skeg      ☐ Suspected Impact  
Describe:

### Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line      ☐ Hook  
☐ Net      ☒ Buoy  
☒ Polyprop/Nylon Line      ☒ Trap  
☐ Sinker      ☐ Other (Specify)

**Location of Entanglement:** right flipper

#### If Crab Pot:

Float#: DOUG (non-commercial)      Color: White      Line Type: Black polyprop

#### Damage from Gear:

- ☐ No Damage      ☒ Abrasions  
☐ Breaking Skin Surface      Depth of Entanglement Penetration: \_\_cm  
Comments: Line was tight and squeezing flipper

Gear Retained? ☒ Y ☐ N Neighbor has gear to return to "Doug"

### Entrapment-Human Related

Describe: \_\_\_\_\_

### Other

Describe: \_\_\_\_\_

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
	<p>FWC-biologist A. Spellman (ACS) received a text alert from FWC NE Dispatch-Orlando regarding a report of an entangled manatee in Cocoa Beach. FWC case number 10511 was assigned. According to the complainant, Barbara Grale (321-783-1483), the manatee was entangled in a crab trap line and it appeared to be anchored to a piling at or near the dock. ACS advised Mrs. Grale that a biologist or trained volunteer would respond to assess the manatee. ACS contacted FWC volunteer-A. Preston (ARP) to request verification. ARP advised that she would respond immediately. ACS called B. Grale and was advised that she and a neighbor had used wire cutters to cut the line and free the manatee from the entanglement and trap. Mrs. Grale reported that the flipper was tightly wrapped in the line and that it had caused abrasions but no further damage. Photos sent by Mrs. Grale confirmed it was a right flipper entanglement. The gear was all accounted for and documented then returned to the owner who lived nearby.</p>

#### Participants:

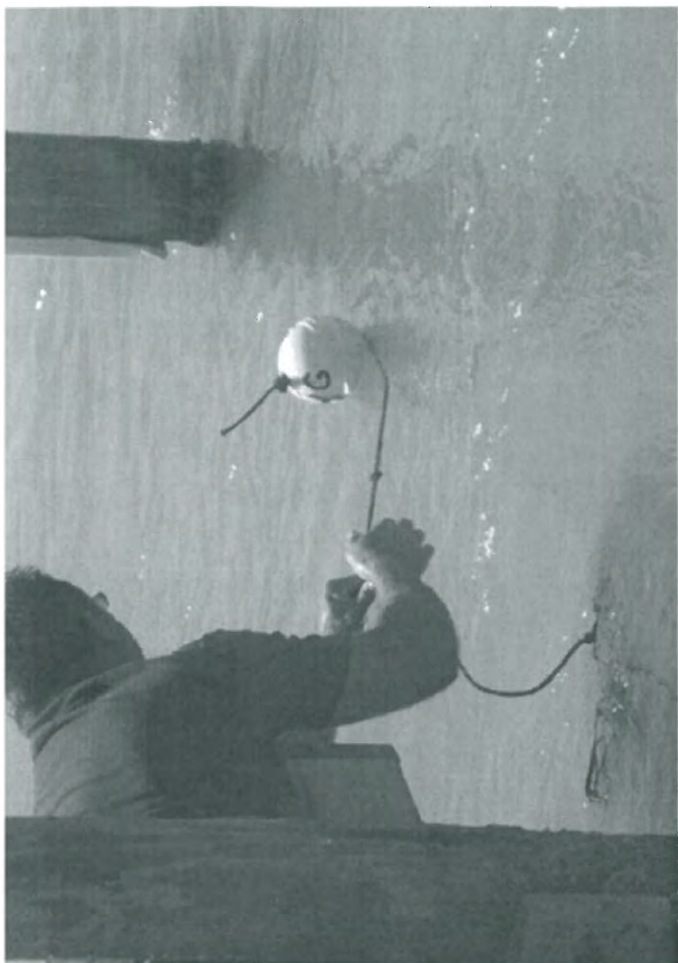
Citizens including Barbara Grale and her neighbor Steve.

REC1128

Photographs: courtesy of Barbara Grale

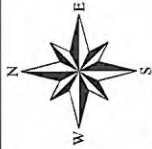






REC1128



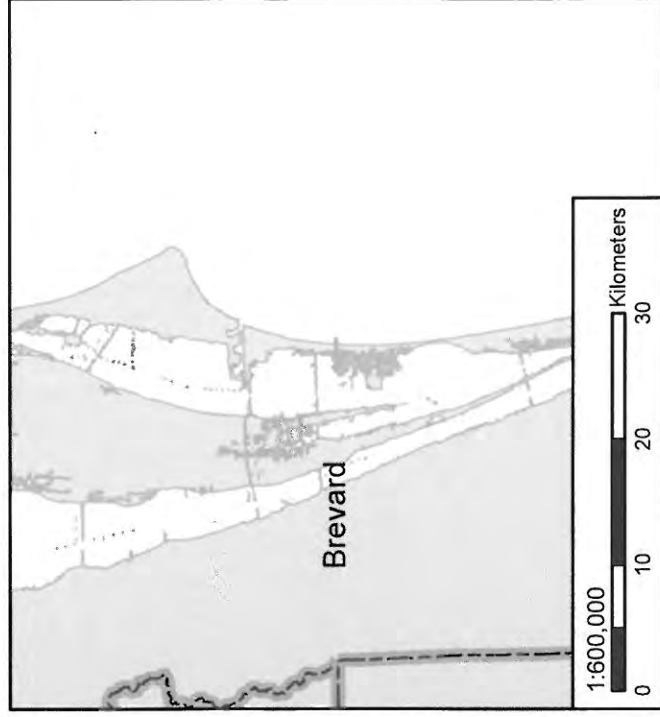
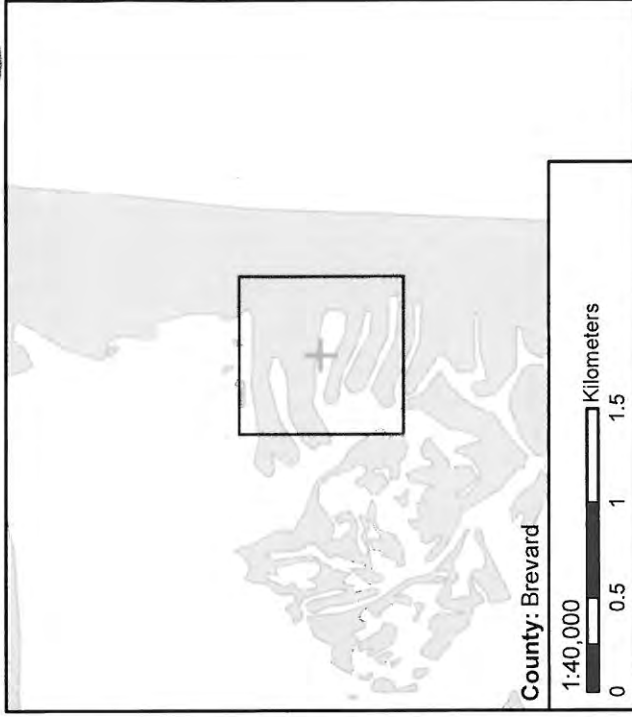


# Verified Response Location of Manatee Rescue REC1128

Rescue Date: 10/2/2011

Facility ID: N/A

Map Created 7/16/2013



## Locality Description:

behind apartments at 325 S Banana River Drive

Latitude: 28.34232°N

Longitude: -80.61415°W

Resc / D4W  
Calf by itself

## Rescue Report

rolled towel behind the flippers creating a sling to support the manatee. CNR requested that park staff should contact FWC before any action is taken in the future. The towel was removed and CNR assessed the manatee's condition. In addition to swimming in circles, the calf was under weight and exhibited signs of cold stress on the flippers and nares. The calf was also more buoyant at the caudal end and was floating higher on the left. No other manatees were observed in the area, and other fishermen had seen the calf there since 0500 hrs. CNR contacted ACS to inform her that it was an orphaned calf. CNR then contacted SeaWorld-Bob Wagoner (BW) to see if they could accept the calf, which they were able to. CNR, ESH, and park staff placed the calf into a stretcher and loaded it into the back of the Suburban. En route to SeaWorld, CNR contacted FWC-Tom Reinert to inform him of the situation (as the acting state rescue coordinator). After approximately 20 minutes of traveling, ESH informed CNR that the calf was breathing irregularly. At first, the calf was taking consistent, deep breathes about every minute, but then started to take shallow breathes every 10 seconds. After a minute or two of this behavior, it would calm down again. CNR contacted ACS and requested that the large carcass cooler be filled with water for the rest of the transport to SeaWorld. CNR and ESH met ACS at the ECFL field lab and transferred the manatee into the cooler. Once the manatee was placed into the cooler, it began to take consistent, deep breaths again. CNR, ESH and ACS arrived at SeaWorld at approximately 1355 hrs.

At 1845 hrs, SeaWorld-Bob Wagoner contacted CNR to inform her that REC1129 had died (SWFTm1119B).

### Participants:

FWC EC: C. Rush, A. Spellman, E. Herdter (Intern)

DEP Sebastian Inlet State Park- Terese Harber, Lt. Chris Urban, Boyd Williams

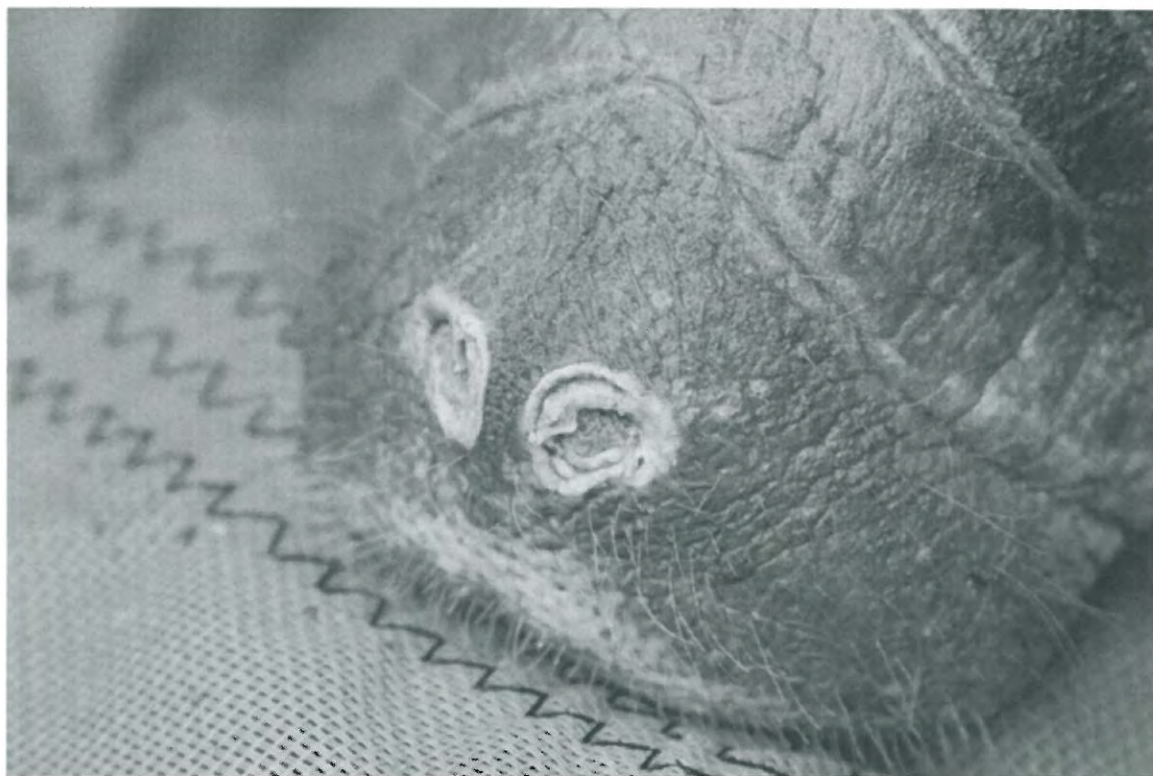
**Total time: 5 hrs**

**REC1129**

Attachments: map, Photos







REC1129  
SWFTM1198



SWFTM1119B  
REC1129



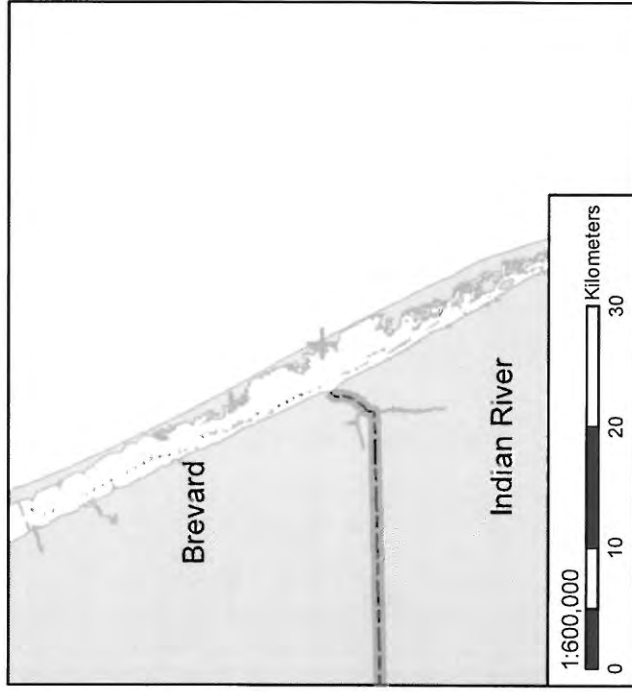
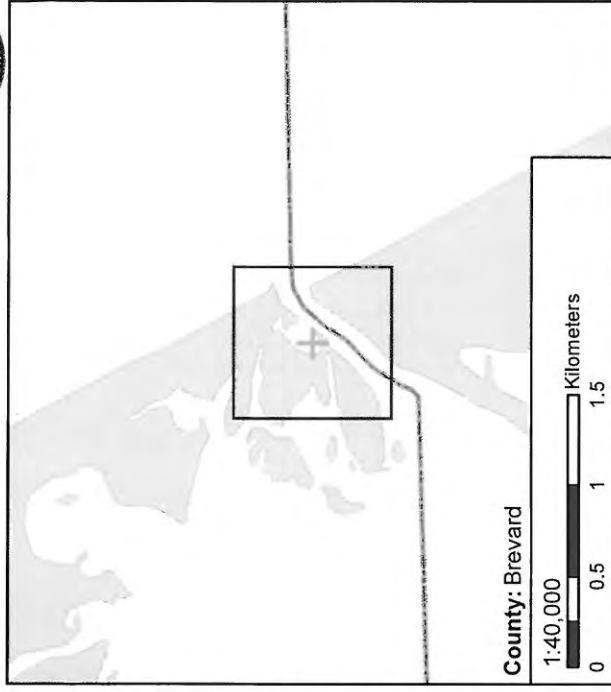


# Verified Response Location of Manatee Rescue REC1129

Rescue Date: 11/16/2011

Facility ID: SWFTm1119b

Map Created 7/28/2013



## Locality Description:

Sebastian Inlet State Park, approximately 210 m SW of the north end of A1A bridge in swim basin

Latitude: 27.8598°N

Longitude: -80.45051°W



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61° F Friday, Nov. 18, 2011 8:37 AM EST

SWF 11/19/11  
REC 1129

HOME LOCAL WEATHER SPORTS BUSINESS ENTERTAINMENT LIFE/FAMILY HEALTH TRAVEL OPINION VIDEOS  
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## Baby manatee dies after rescue from Sebastian Inlet

'Underlying factors' may be to blame

Comments 2

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Animal photos



By Jeff Weiner, Orlando Sentinel  
1:15 p.m. EST, November 17, 2011

An orphaned baby manatee rescued from the Sebastian Inlet on Wednesday has died, **SeaWorld Orlando** said today.

"Unfortunately, despite round-the-clock care by SeaWorld's animal rescue team, the orphaned manatee calf rescued from Sebastian Inlet yesterday has died. Although she appeared to be stable upon arrival, often times there are underlying factors masking the real problem affecting the animal. A necropsy will be performed soon to determine exact cause of death," SeaWorld Orlando said in a statement.

Animal experts from the water-themed park and the Florida Fish and Wildlife Conservation Commission say it's not clear why the baby was orphaned.

The female calf, which was between three and six months old, weighed about 109 pounds and was 4 feet, 3 inches long, SeaWorld Parks & Entertainment said.

SeaWorld's animal rescue team, which is on call 24 hours a day, 7 days a week, worked with the FWC to respond to the orphaned calf, officials said.

**Video: Steven Louis faces murder charge in Nicole Fields' death**



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\$25 for \$50 of Sushi & Hibachi at Wazzabi Japanese Steakhouse & Sushi Bar



\$20 for \$40 of an Authentic

## Szemer, Donna

---

**From:** Rush, Christine  
**Sent:** Tuesday, January 24, 2012 8:39 AM  
**To:** Szemer, Donna  
**Cc:** Spellman, Ann; Reinert, Tom; Bassett, Brandon  
**Subject:** RE: REC1129 clarification

Hey Donna! The park staff was not directly requested to put a towel under the manatee's flippers and did so about 5 minutes before we arrived. The towel was rolled and placed under the manatee like a sling, to help support it in the shallows. I requested that they make contact with Ann or me before taking any action in the future. We had them remove the towel to see how the manatee was swimming, or struggling, so I could make an assessment. We then guided the manatee onto the stretcher. This was not difficult, as it could not use its tail and was swimming in slow tight circles. The manatee did not beach itself, but it was in about a foot of water. That is also where it was first seen as of 0500 hrs that morning by the complainant. As for the death, I spoke with Bob Wagoner that evening regarding the death of the calf. He had already left the park for the day and was contacted by other park staff. Not sure of the exact time of death, but close to 1900 hrs. would be my best guess. Let me know if you have any other questions.

Thanks,  
Christie

---

**From:** Szemer, Donna  
**Sent:** Monday, January 23, 2012 1:13 PM  
**To:** Rush, Christine  
**Cc:** Spellman, Ann; Reinert, Tom; Bassett, Brandon  
**Subject:** REC1129 clarification

Hi, Christie-

Can you please clarify the following?

-Under "Method of Capture: Hand", can you explain a little more.

- How did it come to be detained? What was meant by the following: "Upon arrival, park staff had a towel placed behind the flippers to keep the manatee in place."

Did you request this, was the calf caught by Park staff, did it beach itself, etc.

-Do you know the time of death? Did Sea World notify you that afternoon about the death? (We would like to add this to the history.)

Thanks!  
Donna



# 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 # SWFTm1119b

Date of Report: 2011-Nov-16

Filed By: FWC MMPL

FWC Case # 12316

FWC Region: NE

Sex: Female

Length: 139.0 cm

Weight: 49.5 kg

DATE REPORTED: 2011-Nov-16

By: SeaWorld to FWC-CNR

DATE COLLECTED: 2011-Nov-17

By: FWC-ESH

DATE NECROPSIED: 2011-Nov-18

By: MMPL-MdW,KJR,BLB,ARH,TJG

LOCATION: State: FL

Latitude: 27.8598 N

County: Brevard

Longitude: -80.45051 W

Waterway: Sebastian Inlet

Locality description: South Melbourne Beach, Sebastian Inlet State Park, approximately 210 m SW of the north end of A1A bridge in swim basin.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Perinatal

Explain:

Skin lesions; bleached, thickened, spongy epidermis; flat ventrum; brown plaques epidermis; depleted fats; discospondylitis; Kyphosis; pus spinal canal; enlarged liver lobe; adhered lungs; froth, mucus airways; lymph nodules, reddened colon sub-mucosa; congestion.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Internal, Other

MATERIALS COLLECTED:

genetics, ELISA toxicology samples, archive toxicology samples, histology, bacterial swab spinal canal, impression smears (cytology).

DISPOSITION OF MATERIAL: FWC MMPL

ADDITIONAL DATA:

Histology Report, Rescue Report, Organ Weights Report, rescue report, cytology report, microbiology report.

REMARKS:

PIT tag scan negative. Monofilament in stomach, colon. See rescue report REC1129. Rescued on 16 Nov 2011 and died at 1845 hrs.

Page 1&2	03 June 2013
Necropsy Report	03 June 2013
Lat/Long	03 June 2013

Entered / updated  
3/26/12  
DJS

Resc / Dn  
Natural (w/no  
Cold Stress

### GENERAL:

Date of Rescue: 15 December 2011	Date of Initial Call: 06 December 2011	Filed by: A. Spellman
Rescue ID#: REC1130	Facility ID: N/A	FWC Case: 13090
Officer Name: N/A		
Sex: Female	Length: 139 cm	Estimated: No
PIT Tag Present: No	PIT Tag Applied: No	#R L
LOCATION:		
State: FL	City: Port St. John	County: Brevard
		Waterway: Indian River
Latitude (Decimal Degrees): 28.49265 °N		Longitude (Decimal Degrees): -080.77563 °W
Locality Description: West end of the intake canal at Gen On (Reliant) Power Plant		
Method of Capture: Net set from land		

### REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

### Other

Describe:

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
06 December 2011	At 1920 hrs, on-call FWC biologist-Denise Boyd (DMB) received a text alert from FWC NE Dispatch-Orlando regarding a distressed manatee calf in Titusville. The complainant, Gary (407-388-8238), had found a small manatee by itself in the Kennedy Point Marina basin. DMB made several attempts to contact the complainant, but was unsuccessful.
07 December 2011	At 0805 hrs, FWC biologist-Ann Spellman (ACS) received a text alert from Dispatch regarding the same calf which was still in the same location as the previous evening. ACS contacted FWC biologist-Christine Rush (CNR) to

## Rescue Report

request assistance. Upon arrival on scene, ACS located the calf which was severely cold stressed, but the mother arrived in the basin and the mom and calf pair immediately left the basin.

14 December 2011

At 1530 hrs, during manatee research captures in the Titusville area, Brevard County, USGS-Bob Bonde observed a calf at the Gen On discharge that had severe cold stress all over its body. ACS, CNR, FWC biologist-John Cassady (JDC), FWC biologist-Amber Howell (ARH), and FWC biologist-Rachael Cimino (RLC) travelled to the Gen On plant to rescue the calf. ACS identified the mother and calf pair as being the same ones that were reported a week earlier. The calf was located at the west end of the discharge and was surfacing approximately every minute. The mother of the calf was present, but due to the condition of the calf, it was agreed to separate the mom and calf pair. Hoop net and hand-capture attempts were unsuccessful and daylight faded. The mom and calf eventually swam out into the river.

15 December 2011

At 0700 hrs, CNR, ACS, and FWC Volunteer-Diane Schwartz (DSS) searched various locations for the calf. Eventually, USGS staff sighted the calf at the west end of the intake canal. The calf was struggling at the surface, had small bubbles coming from its nares, and was extremely lethargic. CNR, DSS, FWC biologist-Kelly Garvy, and FWC Intern-Jenna Golden swam a small net out to encircle the manatee. Shortly after, the calf hit the net and CNR quickly pinched the floats and leads together, cradling the calf at the surface. The rescue crew worked together to swim the calf and the net to shore where Dr. Mike Walsh was waiting. Medical treatment was administered before loading the calf into the transport truck. Once inside the transport truck, additional medical treatment was administered, but the calf expired at approximately 1315 hrs.

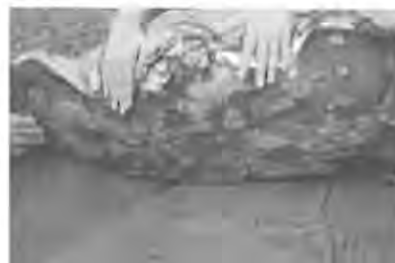
### Participants

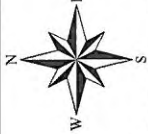
FWC: C. Rush, A. Spellman, K. Garvy, J. Golden-Intern, D. Schwartz-Volunteer

UF: Veterinarian Dr. Mike Walsh and staff

REC1130

Photographs: attached





# Verified Response Location of Manatee Rescue REC1130

Rescue Date: 12/15/2011

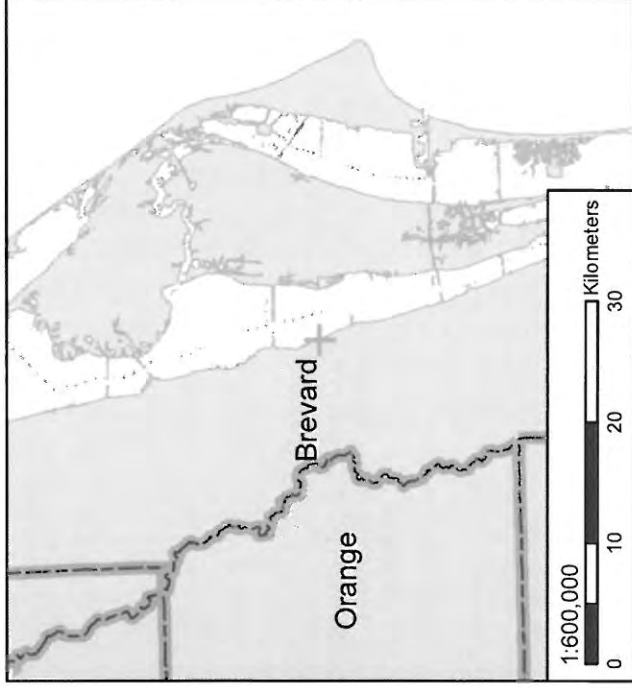
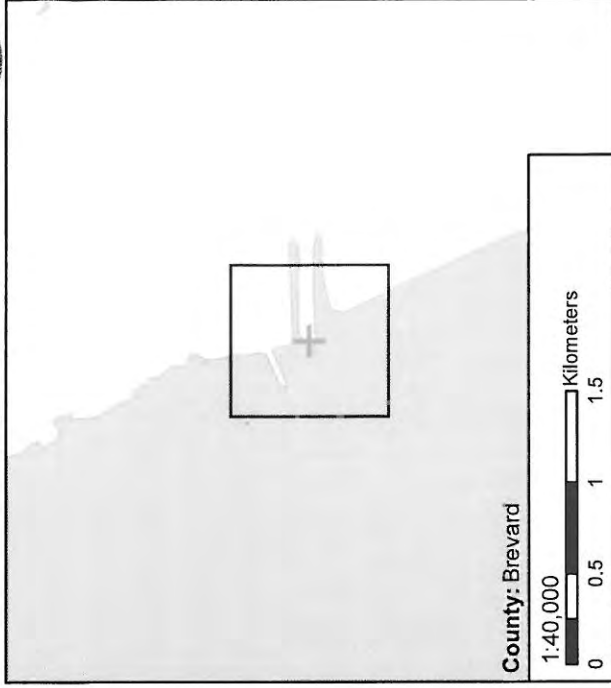
Facility ID: N/A

Map Created 8/29/2013



## Locality Description:

floating at the SW corner of the Reliant (Genon) Power Plant intake canal



Latitude: 28.49265°N

Longitude: -80.77563°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 # MEC11137  
Date of Report: 2011-Dec-15  
Filed By: FWC MMPL

FWC Case # 13090

FWC Region: NE

Sex: Female

Length: 139.0 cm

Weight: 67.5 kg

DATE REPORTED: 2011-Dec-15

By: USGS to FWC-ACS

DATE COLLECTED: 2011-Dec-15

By: FWC-ACS,CNR,KAG MMPL-MdW,ALP

DATE NECROPSIED: 2011-Dec-17

By: MMPL-MdW,ALP

LOCATION: State: FL

Latitude: 28.49239 N

County: Brevard

Longitude: -80.77575 W

Waterway: Indian River

Locality description: Port St. John, floating at the SW corner of the Reliant (Genon) Power Plant intake canal.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Perinatal

## Explain:

Natural, cold stress. Cold stress lesions; thickened, cobblestone epidermis; abscesses; bloody lungs; bloody fluid airways; rel. empty GI; sand duodenum, colon; discolored stomach-, cecum mucosa; dry, hard feces; congestion; enlarged liver lobe.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Internal, Other

## MATERIALS COLLECTED:

genetics, ELISA toxicology samples, archive toxicology samples, histology, cytology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

## ADDITIONAL DATA:

rescue report, hematology report, cytology report, perinatal evaluation.

## REMARKS:

PIT tag scan negative. Rib count-17 both sides. See rescue report REC1130. The manatee died shortly after capture at approximately 1315 hrs.

Page 1&2	06 June 2013
Necropsy Report	06 June 2013
Lat/Long	19 June 2013

**GENERAL:**

*Entered/updated 3/26/12 DSS* *Rescued by Keith Cold Stress* **MEC11140**

Date of Rescue: 26 December 2011 Date of Initial Call : 26 December 2011 Filed by: A. Spellman  
Rescue ID#: REC1131 Facility ID: N/A FWC Case: 13732 Officer Name: N/A  
Sex: Female Length: 142 cm Estimated: No  
PIT Tag Present: No PIT Tag Applied: No #R L  
LOCATION:  
State: FL City: Merritt Island County: Brevard Waterway: Indian River  
Latitude (Decimal Degrees): 28.52638°N Longitude (Decimal Degrees): -080.73874°W  
Locality Description: Southeast side of the relief area of the SR405 Causeway  
Method of Capture: By hand

**REASON FOR RESCUE**

Check one of the following:

☐ Watercraft ☐ Entanglement ☐ Entrapment ☒ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

**Other**

Describe:

**VISUAL RECORD**

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**HISTORY**

Date	Narrative
26 December 2011	At 1455 hrs, FWC on-call biologist-Nadia Gordon (NJG) received a text alert from FWC NE Dispatch-Orlando regarding a manatee calf stranded in shallow water off the NASA Causeway (SR405) in Brevard County. FWC case number 13732 was assigned. The complainant, Keith Hurlburt (321-292-2552), had seen the small manatee rocking itself in shallow water on the southeast side of the relief area off the Causeway at approximately 0900 hrs that morning and reported it to the FWC wildlife alert number when he returned home at 1430 hrs. Mr. Hurlburt stated that he had also observed a larger animal offshore pacing back and forth at that time. He stated that when he had checked on the calf by rolling it onto its side, it had taken a breath but appeared to be lethargic.

NJG contacted FWC biologist-Ann Spellman (ACS) who responded to the scene immediately. ACS located the manatee and found that it was still alive but lethargic and underweight. There were no other manatees in the area at that time and the calf was in critical condition. ACS contacted NASA-Kennedy Space Center security to ask for assistance in loading the calf into a truck for transport to Sea World. While waiting for assistance, ACS continued to search for other manatees in the area. There were none. ACS used a tarp to carry the calf to the truck. The calf expired five minutes after being placed in the truck (MEC11140). The calf was transported to the Indian River Field Lab and placed on ice for transport to the MMPL the following morning.

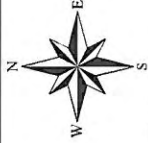
Participants:

FWC-A. Spellman

NASA-KSC Security guards

REC1131



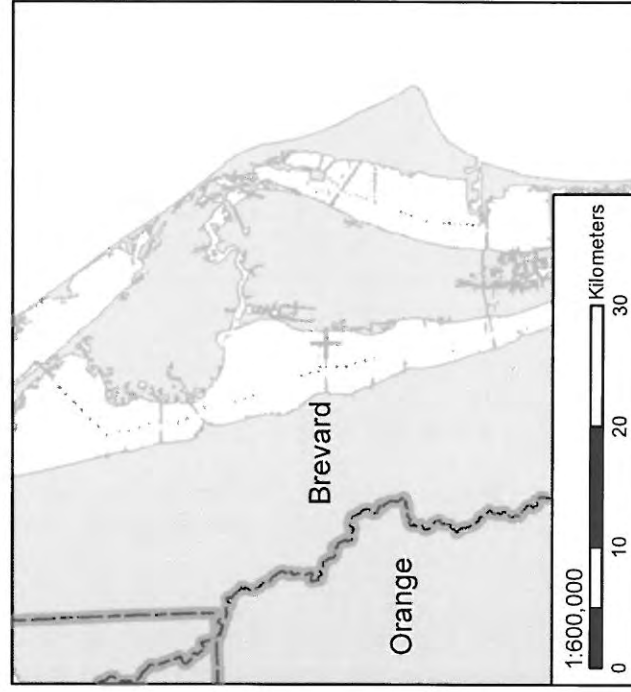
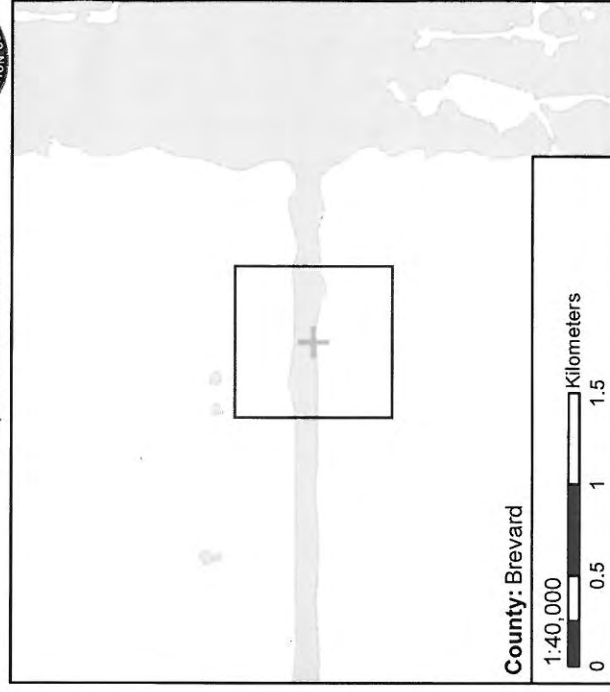
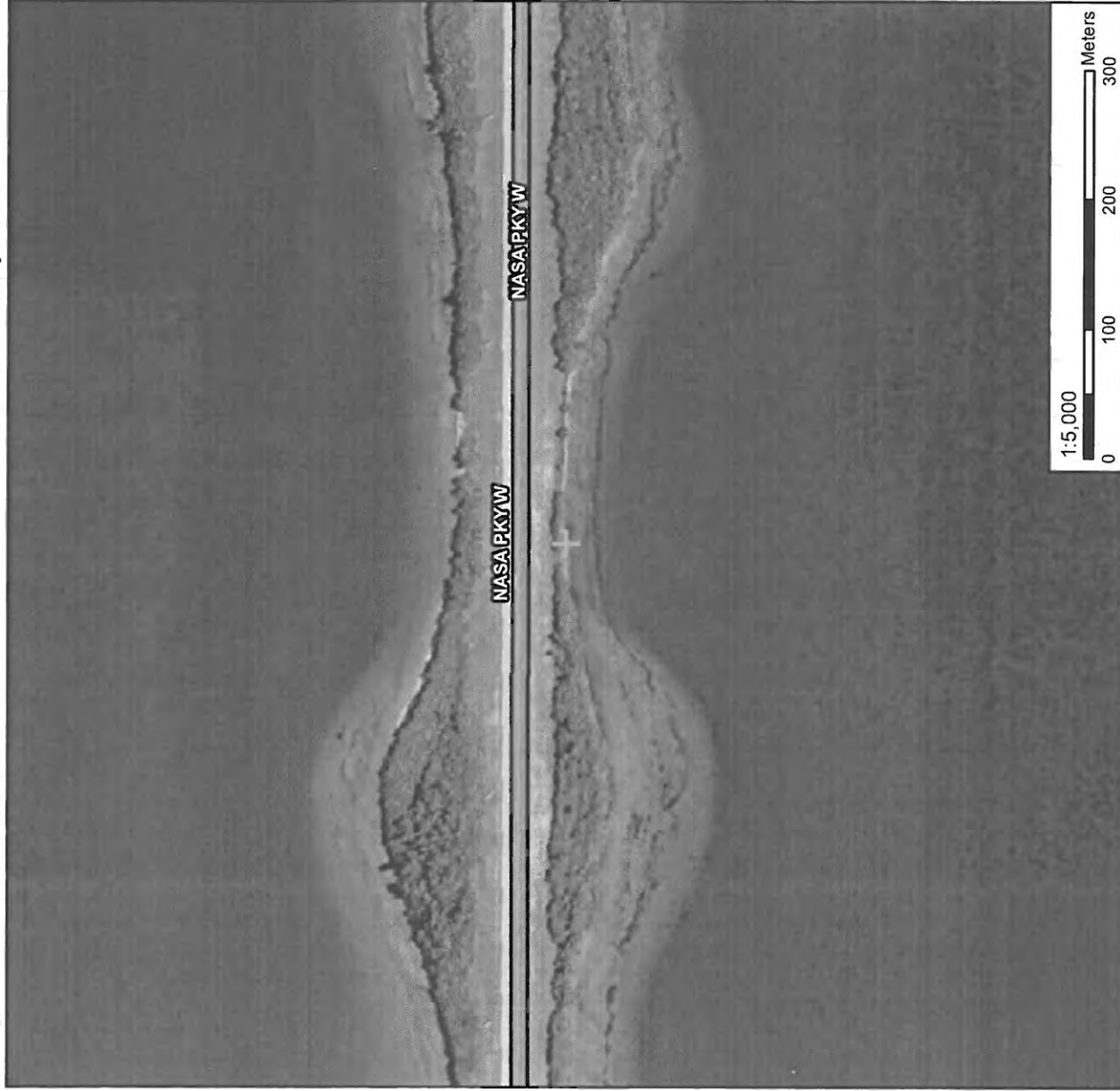


# Verified Response Location of Manatee Rescue REC1131

Rescue Date: 12/26/2011

Facility ID: N/A

Map Created 8/29/2013



## Locality Description:

Approximately 4.48 km W of NASA Pky W (SR 405) and Space Commerce Way close to causeway

Latitude: 28.52639°N

Longitude: -80.73874°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 # MEC11140  
Date of Report: 2011-Dec-26  
Filed By: FWC MMPL

FWC Case # 13732

FWC Region: NE

Sex: Female

Length: 142.0 cm

Weight: 57.0 kg

DATE REPORTED: 2011-Dec-26

By: Citizen to FWC NE Dispatch

DATE COLLECTED: 2011-Dec-26

By: FWC-ACS

DATE NECROPSIED: 2011-Dec-29

By: MMPL-MdW,AJG,BLB,KJR,ARH,ALP

LOCATION: State: FL

Latitude: 28.52638 N

County: Brevard

Longitude: -80.73874 W

Waterway: Indian River

Locality description: Merritt Island, grounded on the S shoreline of the SR405 (NASA) Causeway, approximately 1 km from the E bank of the river.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Perinatal

Explain:

Natural, orphaned calf/cold stress. Cold stress lesions; cobblestone epidermis; depleted fats; dry, hard feces; relatively empty upper GI; bloody liver; congested urinary bladder-, stomach mucosa, thymus, lungs.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Other

MATERIALS COLLECTED:

genetics, ELISA toxicology samples, archive toxicology samples, frozen feces for C. Ellis, histology.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

perinatal evaluation.

REMARKS:

PIT tag scan negative. See rescue report REC1131. Died at 1705 hrs shortly after rescue. Rib count-17 plus one riblet both sides.

Page 1&2	06 June 2013
Necropsy Report	06 June 2013
Lat/Long	19 June 2013

# Rescue Report

REC1201

## GENERAL:

Date of Rescue: 14 February 2012 Date of Initial : 14 February 2012 Filed by: A. Spellman  
Rescue ID#: REC1201 Facility ID: SWFTm1203B FWC Case: 1382 Officer Name: N/A  
Sex: Male Length: 263 cm Estimated: N  
PIT Tag Present: No PIT Tag Applied: No #R L  
LOCATION:  
State: FL City: Merritt Island County: Brevard Waterway: Banana River  
Latitude (Decimal Degrees): 28.4034° N Longitude (Decimal Degrees): -80.66163° W  
Locality Description: along the shore approximately 220 m ESE of the intersection of N Banana River Dr and N Furman Rd, next to the Kelly Park windsurfing business  
Method of Capture: Stranded-loaded into stretcher by hand

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Seizures

## Other

Describe: Manatee was seizing and unable to stay upright.

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## HISTORY

Date	Narrative
14 February 2012	At 1516 hrs, FWC biologist-Ann. C. Spellman (ACS) received a text alert from FWC NE Dispatch-Orlando regarding a manatee in distress in the Banana River off Kelly Park, Merritt Island. FWC case number 1382 was assigned. The complainant, Tinho (321-960- 6940), said there was a small, live manatee being tossed in the surf close to shore in front of the windsurf business. ACS contacted FWC volunteer-Leo J. Cross (LJC) and asked him to verify the call. Upon arrival to the site, LJC located the manatee in question. He reported to ACS that the manatee was having trouble keeping its head up to breathe and that it was getting tossed by the waves in the shallow water. ACS instructed

## Rescue Report

REC1201

Christine N. Rush (CNR) were on their way to Kelly Park. While in route to the manatee, FWC Rescue Coordinator-Andy Garrett was notified of the situation.

ACS and CNR arrived at Kelly Park where they met LJC. The manatee appeared to be having seizures. Its eyes were rhythmically rotating upward in the skull, while the manatee's muzzle was retracting and relaxing. Moderate full-body convulsions were occurring at the same time. In between seizing bouts, the manatee would appear relaxed and dazed with dilated pupils and wide eyes while gurgling through the mouth. Using sheets, the manatee was supported in an upright position and pulled into shallow water. After contacting SeaWorld (SWF) to determine if they could take the manatee, staff loaded the manatee into the truck with the help of a few volunteers. The manatee was surrounded and cradled by thick foam padding to prevent it from moving and injuring itself. During initial workup at Sea World, the manatee was given a sedative. The manatee responded quickly and there was a marked decrease in seizures. The manatee was placed in the B.A.R.P. pool but it showed no inclination to surface to breathe on its own. It was then placed on thick foam to support its body and head and an animal care staff member was left to monitor it through the night.

**23 February 2012**      The manatee was euthanized due to nonresponsiveness (SWFTM1203B).

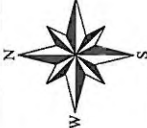
Participants:

FWC: A. Spellman, C. Rush, (volunteer) Leo Cross  
Citizen volunteers

REC1201

Photographs: Video (ACS)



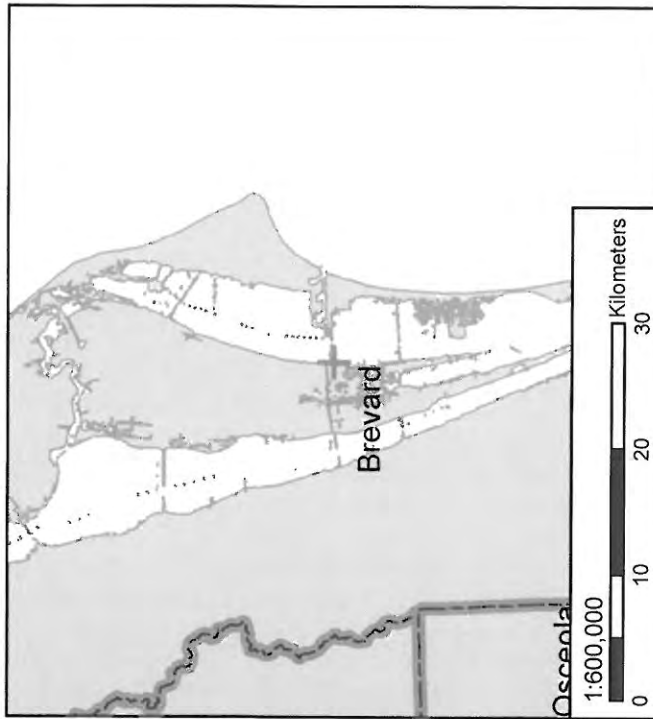


# Verified Response Location of Manatee Rescue REC1201

Rescue Date: 2/14/2012

Facility ID: SWFTm1203b

Map Created 5/29/2014



## Locality Description:

along the shore approximately 220 m ESE of the intersection of N Banana River Dr and N Furman Rd, next to the Kelly Park windsurfing business

Latitude: 28.4034°N

Longitude: -80.66163°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 #: **SWFTm1203b**

Date of Report: 2012-Feb-23

Filed By: FWC MMPL

FWC Case # 1382

FWC Region: NE

Sex: Male

Length: 275 cm

Weight: 339.0 kg

DATE REPORTED: 2012-Feb-23

By: SeaWorld to MMPL-MdW

DATE COLLECTED: 2012-Feb-23

By: MMPL-BLB

DATE NECROPSIED: 2012-Feb-24

By: MMPL-AJG,MdW,KJR,ARH,ALP,TJG

LOCATION: State: FL

Latitude: 28.4034 N

County: Brevard

Longitude: -80.66163 W

Waterway: Banana River

Locality description: Merritt Island, along the shore approximately 220 m ESE of the intersection of N Banana River Dr and N Furman Rd, next to the Kelly Park windsurfing business.

CONDITION: Fresh

PROBABLE CAUSE OF DEATH: Undetermined; Other

EXPLAIN: Monofilament in colon. Fishing sinker and wire lead in colon. Dry, hard feces; Relatively empty GI tract; Flat ventrum; Serous fats; Serous muscle; Enlarged, serous lymph nodes; Lesions in duodenum mucosa; Congested thymus, urinary bladder-, tracheal mucosa; Bloody kidneys; Foam in airways.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Internal, Other (white patch).

## MATERIALS COLLECTED:

Genetics, Earbone, ELISA toxicology samples, Archive toxicology samples, Histology. -80 samples for PCR, cytology. Impression slides.

DISPOSITION OF MATERIAL: FWC MMPL.

## ADDITIONAL DATA:

Histology report. Rescue report. Cytology report, PCR results.

## REMARKS:

PIT tag scan negative. Died on 23 Feb 2012. Died at 15:15:00 hrs. Euthanized at facility. White blaze on ventrum. See rescue report REC1201. Rescued on 14 Feb 2012. Rib count-17 both sides.

Page 1&2	
Necropsy Report	
Lat/Long	

## Rescue Report

updated  
5/30/12  
DJS

Resc / DTH  
4/8/12

REC1202

Natural cold stress

### GENERAL:

Date of Rescue: 15 February 2012	Date of Initial Call: 05 February 2012	Filed by: C. Rush
Rescue ID#: REC1202	Facility ID: LPZ102974	FWC Case: 1109/1412
Officer Name: N/A		
Sex: Male	Length: 203 cm	Estimated: No
PIT Tag Present: No	PIT Tag Applied: No	#R "Ian" L
LOCATION:		
State: FL	City: Cocoa	County: Brevard
Waterway: Indian River		
Latitude (Decimal Degrees): 28.41727° N		Longitude (Decimal Degrees): -80.75038° W
Locality Description: across from the residence at 3715 N. Indian River Dr.		
Method of Capture: Floated manatee in using sheets as a stretcher.		

### REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☒ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
05 February 2012	At 1745 hrs, FWC biologist-Ann C. Spellman (ACS) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Merritt Island, Brevard County. FWC case number 1109 was assigned. The complainant, Mrs. Osbourne (321-452-3277), had reported seeing a small manatee with fresh propeller cuts on its back. She stated that it was acting strange, rolling at the surface and, although there were other manatees in the canal, appeared to be alone and in distress. ACS contacted FWC volunteer-Leo J. Cross (LJC) who lived close to the reported location. LJC responded within five minutes and verified that there was a manatee in distress but the marks were cold stress-related, not watercraft inflicted. Due to the lack of daylight, ACS explained to the complainant that a rescue would be attempted the following day.
06 February 2012	At 0730 hrs, ACS, LJC and FWC biologist-Jaclyn E. Ludema (JEL) searched the canal systems by kayak and boat but were unable to locate the manatee.

## Rescue Report

LJC searched the same area several times over the following week with no success.

15 February 2012

At 1507 hrs, FWC biologist-Christine N. Rush (CNR) received a text alert from FWC NE Dispatch-Orlando regarding a manatee in shallow water struggling to breathe. FWC case number 1412 was assigned. The complainants, Karen and Tom Rounsavall (321-537-6007), had reported a manatee in approximately one foot of water that was breathing irregularly and not moving. CNR and LJC were nearby in Port Canaveral searching for an orphan calf and arrived on scene within a half hour. LJC informed CNR that it was the same manatee reported on February 5, but it was now in worse condition. CNR contacted SeaWorld-Bob Wagoner to see if they could accept the manatee, but they could not. CNR contacted FWC-Andy Garrett regarding the situation and it was arranged to take the manatee to Lowry Park Zoo. CNR and LJC waded out to the manatee and placed towels under the axilla and peduncle. The manatee was slowly walked to shore to a canoe launch. CNR drove back to Melbourne to get the transport vehicle while LJC monitored the manatee. CNR contacted ACS to advise her of the rescue and to see if she could meet at the rescue location to assist in loading the manatee. ACS met CNR and LJC at the scene and helped load the manatee into the transport truck along with the help of some locals. CNR and LJC transported the manatee to Lowry Park Zoo, arriving at 2000 hrs.

### Participants

FWC EC: C. Rush, A. Spellman, Volunteer L. Cross

Residents

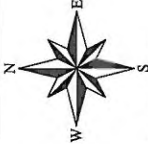
REC1202

Attachments: map

Photographs: attached

Cc: FWRI- Mammals



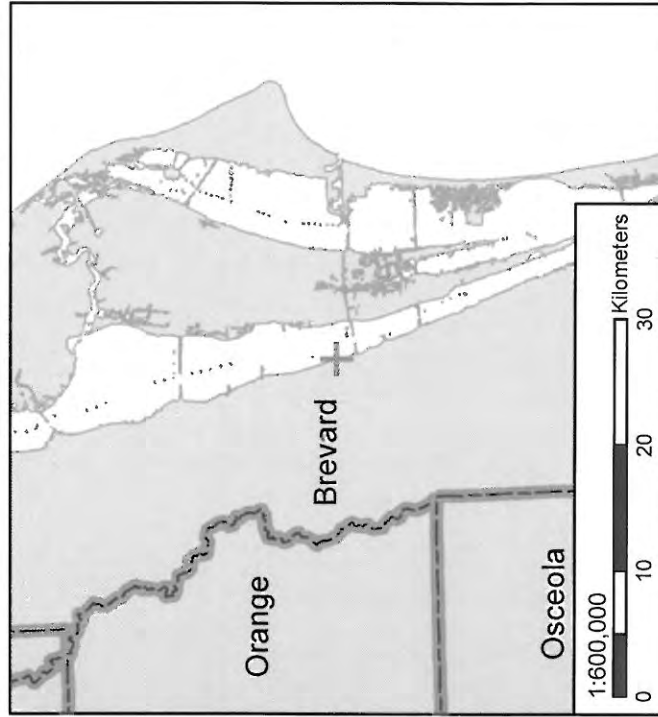
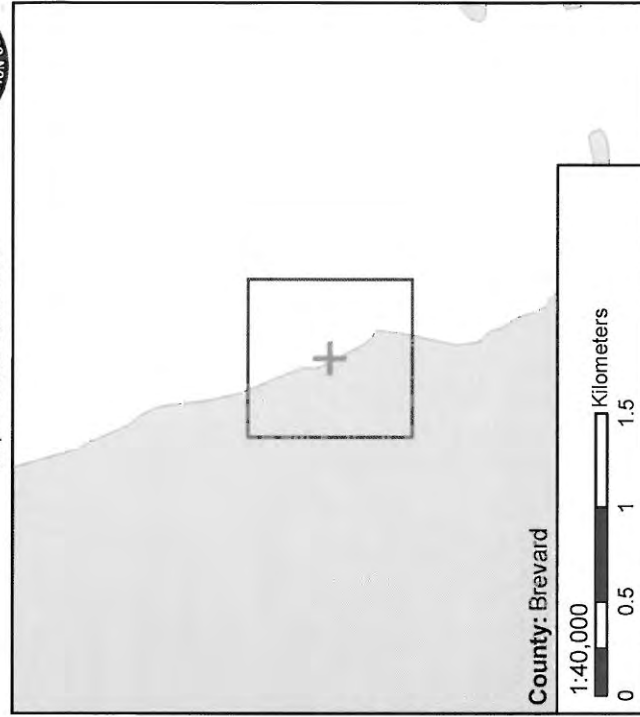


# Verified Response Location of Manatee Rescue REC1202

Rescue Date: 2/15/2012

Facility ID: LPZ102974

Map Created 5/29/2014



## Locality Description:

across from the residence at 3715 N. Indian River Dr.

Latitude: 28.41727°N

Longitude: -80.75038°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 #: **LPZ102974**

Date of Report: 2012-Apr-08

Filed By: FWC MMPL

FWC Case # 1412

FWC Region: NE

Sex: Male

Length: 211 cm

Weight: 139.5 kg

DATE REPORTED: 2012-Apr-08

By: LPZ-Ray Ball to FWC-TJG

DATE COLLECTED: 2012-Apr-08

By: MMPL-ARH

DATE NECROPSIED: 2012-Apr-09

By: MMPL-KJR,BLB,ARH,ALP,TJG

LOCATION: State: FL

Latitude: 28.41727 N

County: Brevard

Longitude: -80.75038 W

Waterway: Indian River

Locality description: Cocoa, across from the residence at 3715 N. Indian River Dr.

CONDITION: Moderately Decomposed

PROBABLE CAUSE OF DEATH: Natural: Cold Stress

EXPLAIN: Emaciated; Depleted fats; Serous fats; Organ pallor; Chronic, eroding cold stress lesions; Enlarged liver; Abscesses liver, lung; Adhered lungs; Torn hemidiaphragms, duodenum; Congested stomach-, duodenal mucosa, mesenteries; Relatively empty small intestine, lower GI tract; Blood clot in left lung; Black specks parietal pleura.

PHOTOGRAPHS TAKEN: Dorsal, Ventral, Lateral, Fluke, Internal, Recovery Site, Other (healing wounds, CS lesions).

MATERIALS COLLECTED:

Genetics, Earbone, ELISA toxicology samples, Histology.

DISPOSITION OF MATERIAL: FWC MMPL.

ADDITIONAL DATA:

Rescue report.

REMARKS:

PIT tag scan negative. Died on 07 Apr 2012. Died at 2000 hrs. Died in facility. Rib count-18 both sides. See rescue report REC1202. First seen alive on 05 Feb 2012, rescued on 15 Feb. Known as "Ian". Also FWC case number 1109. Healing watercraft wounds.

Page 1&2	
Necropsy Report	
Lat/Long	

# Rescue Report

REC1203

## GENERAL:

Date of Rescue: 06 March 2012 Date of Initial : 06 March 2012 Filed by: C. Rush  
Rescue ID#: REC1203 Facility ID: N/A FWC Case: 2071 Officer Name: N/A  
Sex: Unknown Length: 180 cm Estimated: Yes  
PIT Tag Present: Unk PIT Tag Applied: N #R L  
LOCATION:  
State: FL City: Merritt Island County: Brevard Waterway: Sykes Creek  
Latitude (Decimal Degrees): 28.38115° N Longitude (Decimal Degrees): -80.69711° W  
Locality Description: Approximately 37 m SE of 1390 Mercury Street  
Method of Capture: In-water Disentanglement

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Entanglement

**Gear Type:** (Check all that apply)

☐ Monofilament Line ☐ Hook  
☐ Net ☒ Buoy  
☐ Polyprop/Nylon Line ☒ Trap  
☐ Sinker ☒ Other (Specify) Braided cotton rope

**Location of Entanglement:** Right flipper

**If Crab Pot:**

Float#: N/A Color: White Line Type:

**Damage from Gear:**

☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_ cm

Comments:

Gear Retained? ☒ Y ☐ N

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Rescue Report

REC1203

Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
06 March 2012	<p>At 1026 hrs, FWC-biologist-Ann Spellman (ACS) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee in Merritt Island. The complainant, Sea to Shore biologist-Brenden Beard (BB) had found a small manatee entangled in a crab pot buoy while out tracking "Bernice." ACS informed Brenden that FWC biologist-Christine Rush (CNR) would be there shortly to assess the situation and requested that he stay with the manatee until she arrived.</p> <p>Upon arrival, BB took CNR to the manatee. After photographing the manatee, CNR entered the water and clipped a VHF tag to the rope just below the crab pot buoy. The water was very turbid and CNR could only determine that the rope was taught around the manatee's right flipper and that the manatee was highly mobile. The manatee swam out of the canal and out of sight. CNR contacted FWC-Andy Garrett to update him and request assistance, but no FWC rescue boats were available at that time. CNR also contacted SeaWorld-Bob Wagoner, but they were unable to assist as well. During this time, the manatee swam back to the same location where CNR had attached the tag, but it now appeared to be struggling and frequently diving to the bottom. CNR and BB entered the water to determine if the manatee was trailing a crab trap. As BB approached the manatee, it swam away again. CNR and BB followed the manatee through the canal system and realized that the water clarity had improved. After swimming for a while, the manatee rested and CNR slowly approached it again. CNR could clearly see the entanglement around the flipper and cut the line, freeing the manatee of the line, buoy and crab trap at approximately 1400 hrs. The flipper did not have any damage or abrasions, only minor swelling and an indentation where the line had been.</p>

#### Participants:

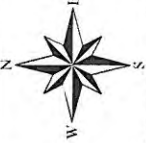
FWC: Christine Rush

Sea to Shore: Brenden Beard

REC1203

Photographs: FWC025\_2012-03-06\_2596-2625



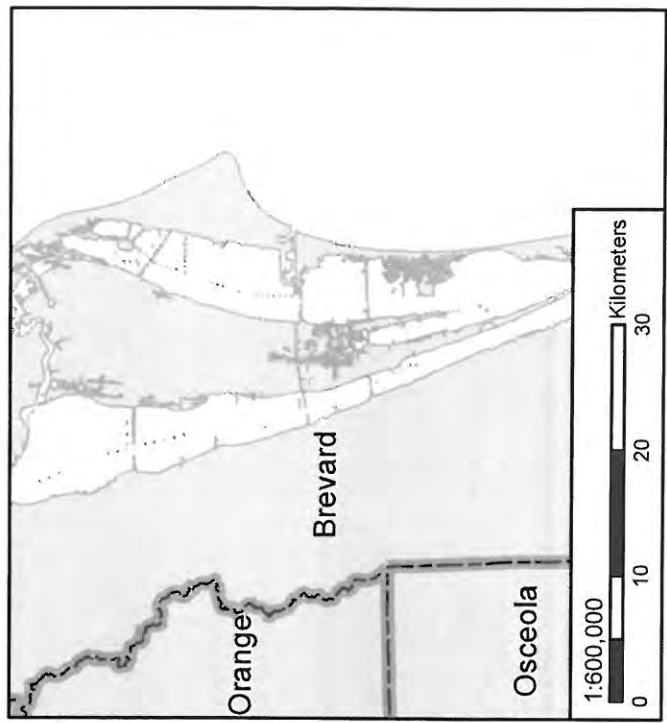
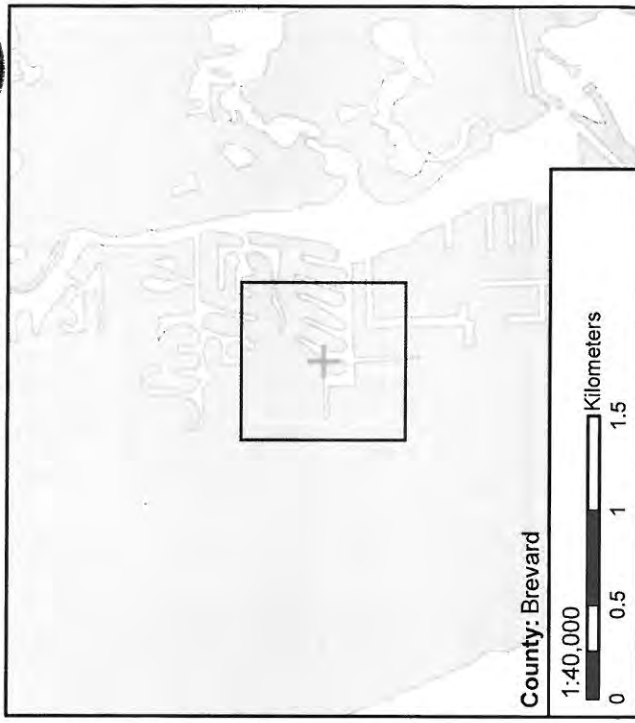


# Verified Response Location of Manatee Rescue REC1203

Rescue Date: 3/6/2012

Facility ID: N/A

Map Created 11/21/2013



## Locality Description:

Approximately 37m SE of 1390 Mercury Street

Latitude: 28.38115°N

Longitude: -80.69711°W





Entered

**Manatee Information (MLog:1380 )**

Animal ID: **REC1203** Sex: **U** Name: Rearing: **Wild reared**
**-- Rescue Information**
**Rescue Date:** 03/06/2012 **Rescue Per Day:** 1

**Rescue Type:** Assist and release

**Primary Cause:** Entanglement

**Primary Cause Text:**
**Secondary Cause:**
**Secondary Cause Text:**
**Health Status:** Stable

**Suspected Pregnant:** Animal sex is male or unknown

**-- Rescue Location Information**
**State:** FL **County:** Brevard **City:** Merritt Island

**Waterway:** Sykes Creek

**Latitude:** 28.381154 **Longitude:** -80.697112

**Relocated, where?:**
**Did animal die during rescue or transport?:** No

**-- Measurement**
**Weight (kg):** **Estimated Weight?:** **Date Weighed:**
**Length (cm):** 180 **Estimated Length?:** Yes **Date Measured:** 03/06/2012

**-- Other Rescue Information**
**Tracker:** **Transporter:**
**Facility transported to:**
**Veterinarian:** **Organization:** FWC Indian River Field Station

**Participating Org:** FWC-Christine N. Rush S2S- Brenden Beard While out tracking a manatee, Brenden came across an entangled manatee with a white crab pot buoy. It was undetermined if it still had a crab trap as well since there was zero visibility in the water. CNR tagged the manatee with a VHF transmitter and attempted to set up a rescue, but no one was available to assist.

**Flood Gate:** **Pot Status:** Unknown

**Additional Narrative:** CNR and BB entered the water to assess the situation further. After a long swim, CNR and BB caught up with the manatee and now had some water clarity. CNR dove down and was able to cut the rope off of the manatee's flipper, containing both the crab pot and buoy. The mom and calf swam off.

**-- Report Information**
**Created By:** Christine Rush **Created Date:** 03/12/2012

**Updated By:** D **Updated Date:** 03/12/2012

**-- Entanglement Information**
**Gear Type:** Crab Trap + Float Line

**Gear Description:** It was a green crab trap and a white float ball, with no markings on it.

**Entanglement Location:** Right flipper

**-- Report Information**
**Created By:** Christine Rush **Created Date:** 03/12/2012

**Updated By:** D **Updated Date:** 03/12/2012

## Szemer, Donna

---

**From:** Garrett, Andy  
**Sent:** Wednesday, March 07, 2012 4:15 PM  
**To:** Amy Teague ; Art Yerian; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy Beck; cbeck@usgs.gov; Craig Miller; Craig Pelton; curator@lowryparkzoo.com; deWit, Martine; Emma Jugovich; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Tuzinski; jpowell@sea2shore.org; Knox, Carol; Laura Eldredge; Maya; Michael\_Lusk@fws.gov; Mick Kapustin; Mike Walsh; Mosier, Andrea; mrossbt@aol.com; Nicole\_Adimey@fws.gov; Pamela Sweeney; Quigley, Wendy; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
**Subject:** Rescue updates

### Merritt Island:

REC1203 3/6/12 Brevard Co., Merritt Island, Sykes Creek

Christy Rush of the FWC-ECFL responded to a crab trap entangled manatee call yesterday afternoon in Merritt Island. She was able to attach a vhf tag to the entanglement but was unable to see the severity of the entanglement due to turbid water. About an hour later, the manatee moved out of the basin and she was able to get a better look at the entangled flipper and saw that the line was not imbedded. She was able to make a quick cut which freed the manatee of all the gear.

### Tampa Bay (Teco Power Plant):

I responded to a call from the Teco Manatee Viewing Center today about a crab trap entangled manatee in the discharge canal. I was able to confirm that there was an entangled manatee (appeared to be a flipper entanglement based on the position of the float during surfacings), but not much else. I attempted to clip on a vhf tag but never got a good opportunity. The FWC-MMPL will continue to monitor this animal and attempt a capture when there is an opportunity. If this is the manatee that was tagged in Terra Ceia back in early February then my guess is the line is most likely embedded.

### St. Johns River:

No news on Jessica. FWC-ECFL is still trying to plan the next rescue attempt.

Resc/Dth 4/18/12

Entered  
9/4/12  
DSS

Watercraft

## GENERAL:

Date of Rescue: 10 April 2012	Date of Initial : 03 April 2012	Filed by: Christie Rush
Rescue ID#: REC1206	Facility ID: SWFTm1207b	FWC Case: 3184, 3347, 3415
Sex: Female	Length: 319 cm	Estimated: No
PIT Tag Present: No	PIT Tag Applied: No	#R L
LOCATION:		
State: FL	City: Indian River Shores	County: Indian River
Latitude (Decimal Degrees): 27.70142 °N		Longitude (Decimal Degrees): -080.382689 °W
Locality Description: along the seawall behind 307 Island Creek Drive		
Method of Capture: Net set from boat, using sea wall		

Delivered  
stillborn calf  
4/16/12

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft
 ☐ Entanglement
 ☐ Entrapment
 ☐ Orphan
 ☐ Cold Stress
 ☐ Red Tide
 ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☒ Propeller
 ☐ Skeg
 ☐ Suspected Impact

Describe:

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
03 April 2012	At 1305 hrs, FWC-biologist Christine N. Rush (CNR) responded to a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Indian River Shores. FWC case number 3184 was assigned. The manatee was reported by Indian River Shores Public Safety personnel and was located behind 220 Sandpiper Point. CNR arrived on scene by 1400 hrs. The large manatee had a



gaping wound in the middle of its back. CNR contacted FWC-Andy J. Garrett (AJG) to inform him of the manatee in need of rescue. CNR also contacted SeaWorld-Bob Wagoner (BW) to request assistance, but they were not available due to the hour of the day. CNR photographed and documented the manatee's behavior and set up a rescue for the following day.

04 April 2012

At 0730 hrs, CNR was contacted by Indian River Shores Public Safety. They had searched the area and had not located the manatee. CNR arrived at 0800 hrs and searched the area by land and kayak. CNR also contacted Indian River Mosquito Control-Rodney Robison (RR) to assist in searching the surrounding areas. Additionally, FWC-Ofc. Bernie Bresie came on duty later that morning and searched across the river in other known manatee locations with CNR. At 1530 hrs, all search efforts were unsuccessful and the stand-by rescue crew was called off.

05 April 2012

At 0930 hrs, CNR met Ofc. Bresie at the Vero Beach Yacht Club boat dock to search for the injured manatee. Search efforts from the water were unsuccessful, so CNR searched a few places by land as well. Again, the manatee was not found and the stand-by rescue crew was called off.

06 April 2012

At 0900 hrs, CNR and FWC-Volunteer Daniel J. Rush (DJR) met Ofc. Bresie at the Riverside Boat Ramp in Vero Beach to briefly search for the injured manatee on the way to secure a carcass.

07 April 2012

At 1140 hrs, FWC-biologist Jaclyn E. Ludema (JEL) responded to a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Vero Beach. FWC case number 3347 was assigned. The complainant, John McKee (772-562-0563), was paddle boarding when he noticed a large manatee that appeared to be carrying a plastic bag on its back. When he got closer, he realized that it was a large wound with necrotic tissue trailing the wound. CNR immediately contacted SeaWorld-Steve Lehr and requested assistance with the rescue. SeaWorld was unable to assist unless CNR had a visual on the manatee within 40 minutes, which was not possible due to the distance. At 1300 hrs, CNR contacted AJG to inform him that it was the manatee they had been searching for and SeaWorld would not be able to assist. Since no rescue boats were available, CNR planned to tag the manatee if possible. AJG informed CNR that she did not have permission to tag the manatee, per FWC-manatee program leader Leslie Ward. CNR informed AJG that the manatee had a huge wound and its respirations were rapid. CNR then contacted FWC-biologist Ann C. Spellman (ACS) to update her that the manatee had been found, no rescue crews were available, and tagging was prohibited. ACS requested that CNR and JEL remain with the manatee until she talked to AJG. After some discussion, permission was granted to tag the manatee. CNR and JEL attempted to tag the manatee, but were unsuccessful. CNR let the manatee swim off since it appeared stressed from the tagging attempts.

09 April 2012

At 0915 hrs, JEL searched the same area from the previous day via land and kayak. The manatee was not located and additional areas were searched. At 1449 hrs, JEL responded to a text alert from FWC NE Dispatch-Orlando regarding an injured manatee. FWC case number 3415 was assigned. The complainant, Mr. Neil (772-584-5270), spotted the manatee while cleaning the pool behind 231 Sandpiper Point. JEL verified that it was the injured manatee and contacted CNR. CNR contacted BW to see if SeaWorld could assist with a possible rescue the following day and accept the manatee. CNR contacted AJG to inform him that the manatee had been located again and would call with an update the following day.

10 April 2012

At 0900 hrs, JEL and FWC-Volunteer Daniel H. Neis (DHN) located the manatee in the same location as the previous afternoon. CNR requested that JEL and DHN launch their kayaks to stay with the manatee since it was beginning to move. CNR contacted BW to inform him that the manatee had been located and requested assistance. BW informed CNR that a crew would be sent shortly and they would also be able to accept the manatee. CNR informed AJG that a rescue was planned later in the day and she would update him later. At 1430 hrs, CNR met the SeaWorld rescue crew at the Wabasso Boat Ramp while JEL and DHN continued to monitor the manatee. RR also arrived in his skiff as a safety boat. Upon arrival at the manatee's location, RR's boat was used to coax the manatee out of a small cove. The rescue boat did a half moon net set from the sea wall. Once the manatee swam into position, the net was brought around to the sea wall to close the circle. Due to the size and lethargic nature of the manatee, it was placed in a large stretcher and gently lifted onto the boat. The manatee was taken to the Wabasso Boat Ramp and transported to SeaWorld for treatment.

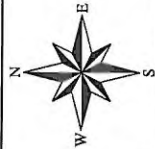
Participants:

FWC EC: C. Rush, J. Ludema, D. Neis (Volunteer)  
SeaWorld Animal Care Staff

REC1206/ SWFTm1207b

Photographs: FWC025\_2012-04-03\_2696-2740, FWC025\_2012-04-10\_2760-2784



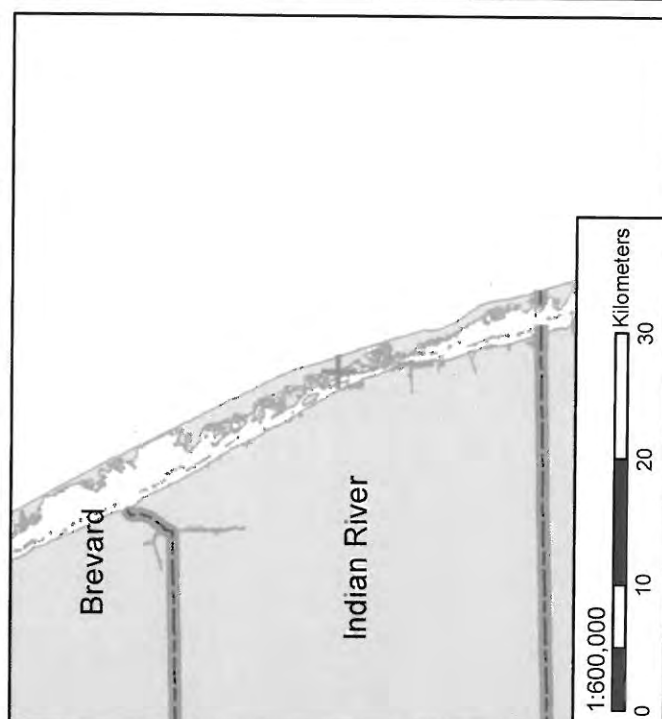
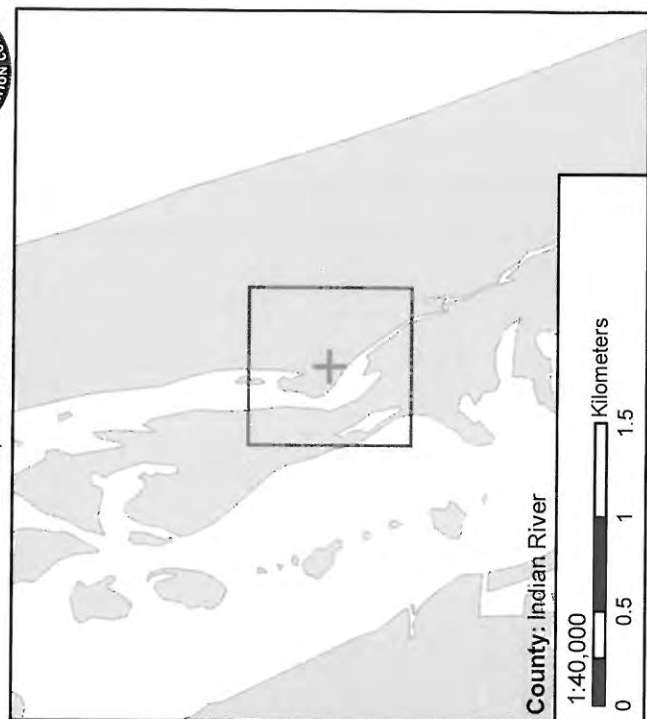


# Verified Response Location of Manatee Rescue REC1206

Rescue Date: 4/10/2012

Facility ID: SWFTm1207b

Map Created 5/29/2014



**Locality Description:**

along the seawall behind 307 Island Creek Drive

Latitude: 27.70142°N

Longitude: -80.38269°W



Entered

**Manatee Information (MLog:1391 )**

Animal ID: **SWFTm1207B** Sex: **F** Name: Rearing: **Wild reared**

-- Rescue Information --

**Rescue Date:** 04/10/2012 **Rescue Per Day:** 1

**Rescue Type:** Brought into captivity

**Primary Cause:** Watercraft Both

**Primary Cause Text:**

**Secondary Cause:**

**Secondary Cause Text:**

**Health Status:** Critical

**Suspected Pregnant:** No information on potential pregnancy is known

-- Rescue Location Information --

**State:** FL **County:** Indian River **City:** Indian River Shores

**Waterway:** Indian River

**Latitude:** 27.701420 **Longitude:** -80.382689

**Relocated, where?:**

**Did animal die during rescue or transport?:** No

-- Measurement --

**Weight (kg):** 759 **Estimated Weight?:** No **Date Weighed:** 04/10/2012

**Length (cm):** 319 **Estimated Length?:** No **Date Measured:** 04/10/2012

-- Other Rescue Information --

**Tracker:** **Transporter:** SeaWorld Florida

**Facility transported to:** SeaWorld Florida

**Veterinarian:** Scott Gearhart **Organization:** SeaWorld Florida

**Participating Org:** FWC-Indian River Field Lab Indian River County Mosquito Control, provided boat for assistance. SWF Rescue crew

**Flood Gate:** **Pot Status:**

**Additional Narrative:**

-- Report Information --

**Created By:** Bob Wagoner **Created Date:** 04/19/2012

**Updated By:** D **Updated Date:** 04/19/2012

Delivered  
Stillborn  
4/16/12

REC1206



**Manatee Information (MLog:1391 )**Animal ID:**SWFTm1207B** Sex:**F** Name: Rearing:**Wild reared****--- Death Information ---****Death Date:** 04/18/2012**Death Occurred?:** During Rehabilitation**Was animal euthanized?****Death Cause:** Watercraft Undetermined**Other Human-Related:** chronic**Death Location:** During Rehabilitation**--- Other Death Information ---****Facility:** SeaWorld Florida**Veterinarian:** Scott Gearhart**Additional Narrative:** Animal originally rescued (4/10/2012) due to watercraft injury, went into labor on 4/16/2012 had stillborn calf, had to pull calf, then animal found dead Wednesday morning 4/18/2012. Animal was picked up by FWC and transported to MMPL.**--- Report Information ---****Created By:** Bob Wagoner **Created Date:** 04/19/2012**Updated By:** Donna Szemer **Updated Date:** 04/20/2012

Szemer, Donna

Entered 4/18/12 JSS

Resc / 1246  
Watercraft 7/17/12

**From:** Garrett, Andy  
**Sent:** Tuesday, April 10, 2012 4:42 PM  
**To:** Amy Teague ; Art Yerian; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy Beck; cbeck@usgs.gov; Craig Miller; Craig Pelton; curator@lowryparkzoo.com; deWit, Martine; Emma Jugovich; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Tuzinski; jpowell@sea2shore.org; Knox, Carol; Laura Eldredge; Maya; Michael\_Lusk@fws.gov; Mick Kapustin; Mike Walsh; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Pamela Sweeney; Quigley, Wendy; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
**Cc:** Deutsch, Chip; Barlas, Margie  
**Subject:** RE: Manatee Rescue Alert

SWFTM12076  
REC1206

"Christie"

The Vero Beach manatee has been captured and will be going to Sea World. Thanks to all who were involved.

-Andy

**From:** Garrett, Andy  
**Sent:** Tuesday, April 10, 2012 11:40 AM  
**To:** 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; 'Boyd\_Blihovde@fws.gov'; 'Cathy Beck'; 'cbeck@usgs.gov'; 'Craig Miller'; 'Craig Pelton'; 'curator@lowryparkzoo.com'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Jacob, Katalin; 'jim\_reid@usgs.gov'; 'Jodi Tuzinski'; 'jpowell@sea2shore.org'; Knox, Carol; 'Laura Eldredge'; 'Maya'; 'Michael\_Lusk@fws.gov'; 'Mick Kapustin'; 'Mike Walsh'; Mosier, Andrea; 'mrossbtl@aol.com'; 'Nicole\_Adimey@fws.gov'; 'Pamela Sweeney'; Quigley, Wendy; 'Ray.Ball@LowryParkZoo.com'; 'rbonde@usgs.gov'; Reinert, Tom; 'Robert Rose'; 'Robert.Wagoner@seaworld.com'; 'sbutler@usgs.gov'; Segelson, Carli; 'Steven.Lehr@seaworld.com'; 'Susan.Lowe@dep.state.fl.us'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie  
**Cc:** Deutsch, Chip; Barlas, Margie  
**Subject:** RE: Manatee Rescue Alert

The ECFL is on scene with the Vero Beach manatee. Sea World will be sending a rescue crew and will be taking the manatee if captured.

-Andy

**From:** Garrett, Andy  
**Sent:** Tuesday, April 10, 2012 9:05 AM  
**To:** 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; 'Boyd\_Blihovde@fws.gov'; 'Cathy Beck'; 'cbeck@usgs.gov'; 'Craig Miller'; 'Craig Pelton'; 'curator@lowryparkzoo.com'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Jacob, Katalin; 'jim\_reid@usgs.gov'; 'Jodi Tuzinski'; 'jpowell@sea2shore.org'; Knox, Carol; 'Laura Eldredge'; 'Maya'; 'Michael\_Lusk@fws.gov'; 'Mick Kapustin'; 'Mike Walsh'; Mosier, Andrea; 'mrossbtl@aol.com'; 'Nicole\_Adimey@fws.gov'; 'Pamela Sweeney'; Quigley, Wendy; 'Ray.Ball@LowryParkZoo.com'; 'rbonde@usgs.gov'; Reinert, Tom; 'Robert Rose'; 'Robert.Wagoner@seaworld.com'; 'sbutler@usgs.gov'; Segelson, Carli; 'Steven.Lehr@seaworld.com'; 'Susan.Lowe@dep.state.fl.us'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie  
**Subject:** Manatee Rescue Alert

#### Vero Beach:

Last Thursday, an adult manatee with a large deep chronic wound (see photo) was reported to the ECFL. Due to the time of day, a rescue was postponed to the following day. The manatee was not relocated on Friday. On Saturday

afternoon, the manatee was again reported in a canal system not far from the original reported location. ECFL kayaked around the manatee and reported that the manatee was lethargic and had little use of its tail. The manatee was not seen on Monday, but was reported again on Tuesday afternoon in the original reported location. The ECFL will attempt to relocate the manatee this morning and a Sea World rescue team is on stand-by. The ECFL reported that SWF might be able to take the manatee if it is captured.

-Andy

## Szemer, Donna

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**From:** Garrett, Andy  
**Sent:** Friday, April 13, 2012 8:48 AM  
**To:** Baxter, Kevin; Szemer, Donna  
**Subject:** FW: Tm1207B

Sounds like an upcoming release from Sea World, see below.

---

**From:** Rush, Christine  
**Sent:** Thursday, April 12, 2012 12:05 PM  
**To:** Ludema, Jaclyn; Spellman, Ann; Garrett, Andy  
**Subject:** FW: Tm1207B

---

**From:** Wagoner, Robert C. [<mailto:Robert.Wagoner@SeaWorld.com>]  
**Sent:** Thursday, April 12, 2012 12:02 PM  
**To:** Rush, Christine  
**Subject:** RE: Tm1207B

Thanks for the info Christie. She is doing ok, she did start eating on her own, Dr Gearhart looked at her yesterday, cleaned out the wound, still don't think it goes into the body cavity which is a good thing. She does has 3 ribs that are exposed but look clean, the only concern is there was some tissue that Scott not completely sure what it is, possibly lung took a small sample to send off to the pathologist at BGT to ID. But it may have just gone shallow enough that it didn't open into the body cavity, we will see. Will let you know.

Put in for Kahula's release for May 3rd it's a Thursday at least that's the day we are planning, I just to confirm with our PR department.

Thanks,  
Bob

---

**From:** Rush, Christine [<mailto:Christine.Rush@MyFWC.com>]  
**Sent:** Thursday, April 12, 2012 11:44 AM  
**To:** Wagoner, Robert C.  
**Subject:** RE: Tm1207B

Hey Bob! Our rescue number is REC1206. Here's the information for her capture location...

County: Indian River  
Waterway: Indian River  
City: Indian River Shores  
Captured behind 307 Island Creek Drive  
Coordinates: 27.70142 N, -080.382689 W

What do the vets think of her? Do you have any dates in mind for releasing Kahula? Let me know how she's doing when you get a chance.

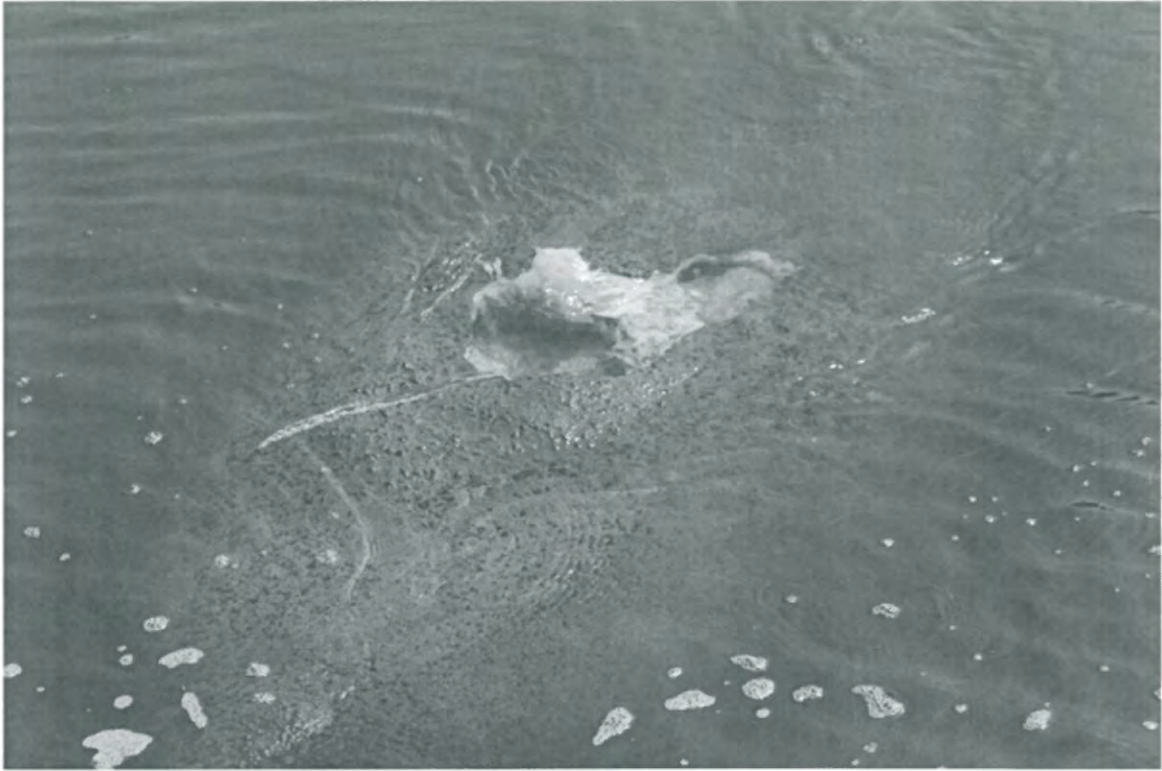
Thanks,  
Christie



---

**From:** Wagoner, Robert C. [<mailto:Robert.Wagoner@SeaWorld.com>]  
**Sent:** Tuesday, April 10, 2012 8:20 PM  
**To:** Rush, Christine  
**Subject:** Tm1207B

Christie Tm1207B weighed 1670 lbs and TL was 319 cm, she already started eating, we will check her in the morning to see if she has pit tags. Thanks again for all your help.



SWFTM1207B

REC1206

"~~Christie~~"

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Deal Of The Day: April 16, 2012

News: SeaWorld Orlando April 16, 2012

Chimpanzee premiere brings out the stars

SeaWorld rescues injured manatee

SeaWorld's animal rescue team traveled to Indian River Shores, Fla., just north ...

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SeaWorld's animal rescue team traveled to Indian River Shores, Fla., just north ...

## SeaWorld Orlando Rescues injured manatee in Vero Beach

Updated: Wednesday, 11 Apr 2012 8:36 AM EDT  
 Published: Wednesday, 11 Apr 2012, 7:25 AM EDT

VERO BEACH, Fla. (WOFL FOX 35) - SeaWorld's animal rescue team traveled to Indian River Shores, Fla., just north of Vero Beach, Tuesday afternoon to rescue a 10-foot manatee who was severely injured from a boat strike.

A concerned citizen called Florida Fish and Wildlife Conservation Commission (FWC) to report the manatee's injury. FWC then alerted SeaWorld Orlando of the animal's need to be rescued.

SeaWorld officials say the injury is severe, and estimated to be a few weeks old. After an initial examination by SeaWorld's animal care experts it was determined this manatee had several scars from previous boat strikes as well.

The adult female, weighing nearly 1,700 pounds, was transported to SeaWorld Orlando for further evaluation and care. At the time of her rescue she was in stable condition.

SWFTH1207B  
 REC1206



Rescued turtle released in Cocoa Beach

A sea turtle rescued after being found with a fish hook in its throat was

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FROM AROUND THE WEB



# Badly injured manatee rescued by SeaWorld Orlando remains in guarded condition

11 April 2012

SWFTM1207B  
REC1206

**Barbara Nefer**

Orlando Theme Parks Examiner

Yesterday SeaWorld Orlando's rescue team headed out to Vero Beach to save a badly injured female manatee. Her wounds were inflicted by a boat strike, and she also had scars from a previous run-in with boaters. You can see the injuries by clicking the video at left.

The 10-foot long, 1,700 pound manatee was rescued just north of Vero Beach after a private citizen alerted the Florida Fish and Wildlife Conservation Commission of her plight.

Today SeaWorld announced that the manatee made it through the night and is in guarded condition. She received antibiotics, and the animal care team is monitoring her in a backstage medical pool to make sure she eats and is comfortable while they wait for blood work results.

The manatee is one of many rescued by SeaWorld Orlando. You can see the facilities where rescued creatures are cared for if you take the Marine Mammal Keeper tour. The animals are eventually released back into the wild once they recover. If their injuries are too severe, they remain in SeaWorld's care.

The manatees have a habitat in the new Turtle Trek exhibit, which also houses rescued sea turtles. It opens on April 27, when guests will be able to watch a 3-D movie depicting the life of a sea turtle from the animal's point of view. The giant dome in which it is projected makes the audience feel as though they're below the ocean's waters.

Although manatees still face challenges, their outlook is much more optimistic because of human education. SeaWorld Orlando hopes to do the same for sea turtles by teaching people how to help them survive through simple acts like using circular fishing hooks so they don't end up like the turtle recently saved by SeaWorld after a four-inch hook got caught in his throat.



# 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 #: SWFTm1207b

Date of Report: 2012-Apr-18

Filed By: FWC MMPL

FWC Case # 3415

FWC Region: NE

Sex: Female

Length: 329 cm

Weight: 668.0 kg

DATE REPORTED: 2012-Apr-18

By: SeaWorld to MMPL-AJG

DATE COLLECTED: 2012-Apr-18

By: FWC-CNR

DATE NECROPSIED: 2012-Apr-18

By: MMPL-MdW,ALP,DJS

LOCATION: State: FL

Latitude: 27.70142 N

County: Indian River

Longitude: -80.38269 W

Waterway: Indian River

Locality description: Vero Beach, along the seawall behind 307 Island Creek Drive.

CONDITION: Badly Decomposed

PROBABLE CAUSE OF DEATH: Human Related: Watercraft Collision

EXPLAIN: Chronic; Abscesses; Watercraft wounds; Fractured vertebra(e); Sub-luxated rib(s); Blood clots; Exposed ribs, vertebrae in gaping wound; Shaved ribs; Necrotic tissue; Enlarged liver, kidneys; fluid, fibrin, resolving blood clots in abdominal cavity; Loosely adhered lungs; Mucus in airways; Wet kidneys; Poorly chewed, poorly digested GI contents.

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

## MATERIALS COLLECTED:

Genetics, Earbone, ELISA toxicology samples.

DISPOSITION OF MATERIAL: FWC MMPL.

## ADDITIONAL DATA:

Wound measurements. Rescue report.

## REMARKS:

PIT tag scan negative. Died in facility. Rib count-17 both sides. Abscess, cyst in ovary. Remodeled ribs, vertebra. Fetus sternum in reproductive tract. Also FWC case numbers 3184 and 3347. See rescue report REC1206. Rescued on 10 April 2012, discovered dead the morning of 18 April 2012. Known animal, RB635, first sighted 17 Jan 1991.

Page 1&2	08 NOV 2013
Necropsy Report	08 NOV 2013
Lat/Long	08 NOV 2013

## GENERAL:

Date of Rescue: 01 May 2012 Date of Initial Report: 27 April 2012 Filed by: Christine Rush  
Rescue ID#: REC1207 Facility ID: MSTm1204 FWC Case: 4203, 4375 Officer Name: N/A  
Sex: Female Length: 320 cm Estimated: No  
PIT Tag Present: No PIT Tag Applied: No #R L  
LOCATION:  
State: FL City: Palm Bay County: Brevard Waterway: Turkey Creek  
Latitude (Decimal Degrees): 28.01741° N Longitude (Decimal Degrees): -80.59533° W  
Locality Description: Behind 813 Sadnet Circle N.E.  
Method of Capture: Net set from boat and beach.

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☒ Other: (Specify): Mom of boat-struck calf (REC1208).

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
27 April 2012	At 1213 hrs, FWC-biologist Christine N. Rush (CNR) received a text alert from FWC NE Dispatch-Orlando regarding a possible injured, orphan calf in Palm Bay. FWC case number 4203 was assigned. The complainant, John Prentince (321-693-0155), was in Turkey Creek when he noticed a small distressed manatee. According to the complainant, the manatee was by itself, did not have use of its right flipper and was positively buoyant. The complainant agreed to stay with the manatee until help arrived. CNR, FWC-biologist Jaclyn E. Ludema (JEL), and FWC-Volunteer Daniel H. Neis (DHN) launched their boat and met the complainant at the entrance to a dead-end canal. The manatee was not using its right flipper and it was unknown if it was missing or just tucked. There did not appear to be any other manatees in the area until approximately a half hour later when a large manatee inspected the calf, but then moved on.

CNR contacted FWC-Andy J. Garrett (AJG) to inform him of a possible orphan. CNR then contacted SeaWorld to see if they could accept the calf. SeaWorld informed CNR that they had space for a calf, but not a mom-calf pair, if a mother did show up. A few minutes later, another large manatee joined the calf, but then seemed to move on. The calf seemed wary of the boat engine noise, so JEL and DHN followed the calf using kayaks. After approximately another hour of following the calf, it became apparent that the second large manatee was staying with the calf. CNR informed AJG that it appeared that the calf did have a mother and would require more monitoring.

01 May 2012

At 1044 hrs, JEL received a text alert from FWC NE Dispatch-Orlando regarding the same manatee. FWC case number 4375 was assigned. The complainant, Andrew Files (321-684-9487), was at the Pollak Park Boat Ramp when he noticed a small manatee all alone swimming in circles and popping up like a cork. CNR contacted AJG and Sea World-Bob Wagoner to inform them that the manatee had been spotted again. CNR, JEL, and DHN launched the boat from the Pollak Park Boat Ramp and found the manatee in Turkey Creek. The manatee appeared to be alone again and was more buoyant than when last observed a few days prior. After watching the manatee for approximately 10 minutes, a larger manatee surfaced next to it to breathe. JEL verified that it was the same large manatee observed with the calf on 27 April. CNR contacted AJG to inform him that the calf was getting worse and needed to be rescued along with a mom that was staying with it. CNR contacted Miami Seaquarium-Dr. Maya to make sure they could accept the manatees. SeaWorld agreed to bring a rescue boat and crew, and the SEFL staff brought a transport truck. CNR, JEL, and DHN followed the manatee in their Key West until the rest of the rescue team was close to the boat ramp. JEL and DHN then followed the manatees using kayaks while CNR picked up additional staff and gear at the Pollak Park Boat Ramp. CNR then led the rescue boat to the location of the mom-calf pair. A single net set was made around both the mom and calf using a small beach as the start and end point. The calf was brought on board the rescue boat, but the mom got out of the net. The calf was placed in a stretcher and brought back to the water's edge to entice the mom to return. The mom showed up behind rescuers in the shallows and was captured after three attempts. The calf was transported to the boat ramp on the Key West and the mom was transported on the rescue boat. The manatees were loaded into the SE transport truck and taken to Miami Seaquarium, arriving at 2200 hrs.

Participants:

FWC EC: C. Rush, J. Ludema, D. Neis (volunteer)

FWC SE: J. Cassady, K. Bullard, L. Connor

SeaWorld Animal Care Staff

REC1207

Photographs: FWC020\_2012-04-27\_5082-5094, FWC025\_2012-05-01\_2785-2808

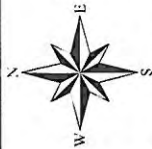






MSTM1204  
REC1207  
"DOR"



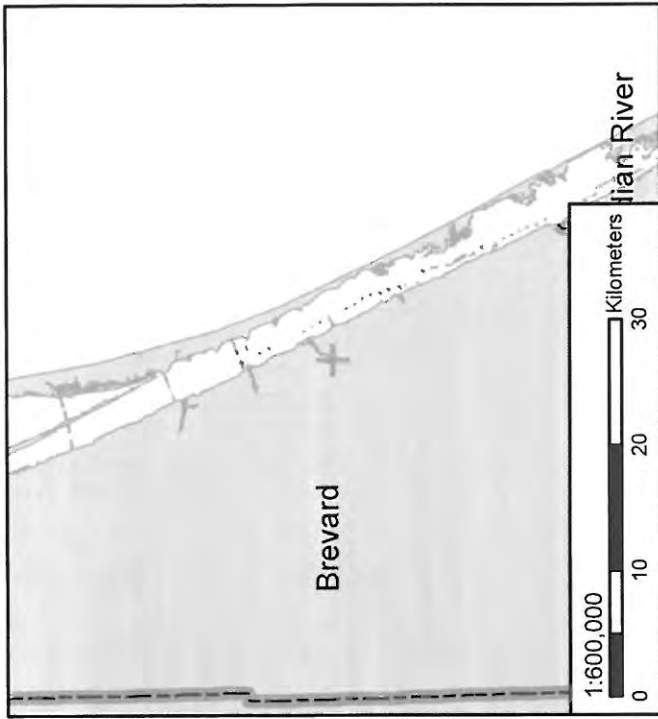
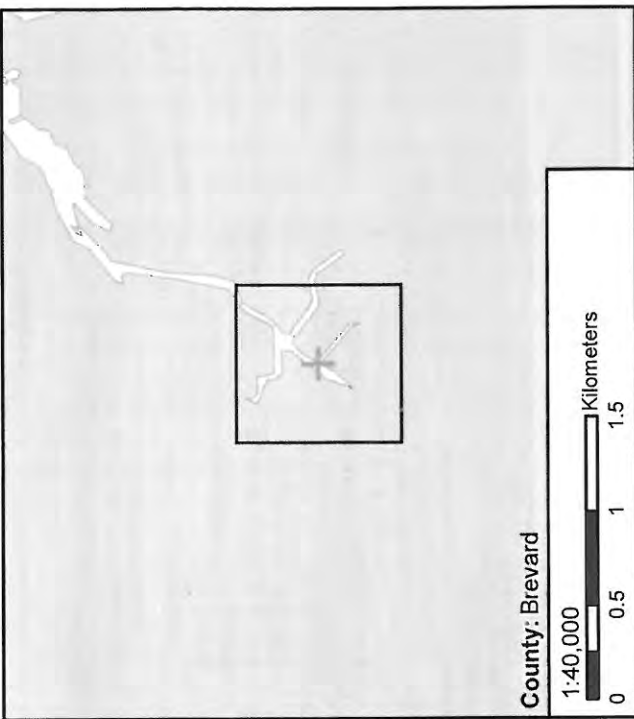
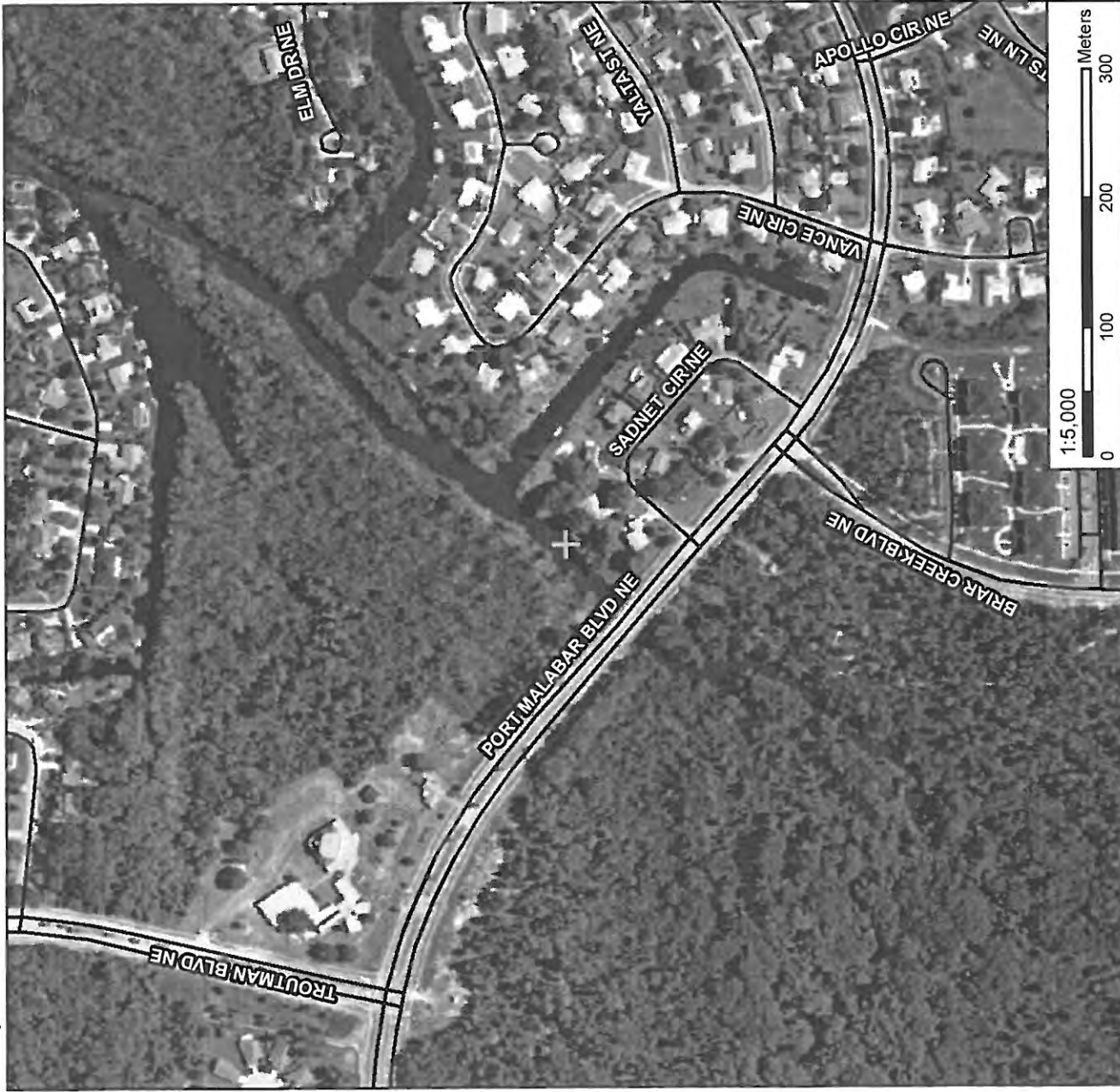


# Verified Response Location of Manatee Rescue REC1207

Rescue Date: 5/1/2012

Facility ID: MSTm1204

Map Created 1/7/2014



**Locality Description:**  
behind 813 Sadnet Circle N.E.

Latitude: 28.01741°N

Longitude: -80.59533°W

Szemer, Donna

From: Garrett, Andy  
Sent: Wednesday, May 02, 2012 10:16 AM  
To: Amy Teague ; Art Yerian; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy Beck; cbeck@usgs.gov; Craig Miller; Craig Pelton; curator@lowryparkzoo.com; deWit, Martine; Emma Jugovich; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Tuzinski; jpowell@sea2shore.org; Knox, Carol; Laura Eldredge; Maya; Michael Boos; Michael\_Lusk@fws.gov; Mick Kapustin; Mike Walsh; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Pamela Sweeney; Quigley, Wendy; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
Subject: Rescue Update

**Englewood:**

After the rescue team arrived on scene yesterday, the calf was observed nursing from the mom, something that had not been seen in prior observations. Due to this new information, the concern for the stress of capture on such a young manatee (estimated to be days old), and the uncertainty of what was causing the excessive buoyancy, the rescue team decided not to capture and return to monitoring.

Note: This pair was first observed on Sunday morning, not at the end of last week as previously reported.

**Turkey Creek:**

After arriving on scene, the FWC-ECFL observed the buoyant calf with an adult that was seen in the area the last time they observed the calf. After evaluating the calf's condition, the ECFL staff decided a rescue was necessary. Sea World was able to provide a capture boat and the FWC-SEFL was able to provide a transport vehicle. The mom-calf pair were encouraged to a shallow water area and a land set was made using the capture boat. On the initial set, the adult was able to get out of the net, but the calf was captured. The calf was left in shallow water to entice the mom to shore so another set could be made. Eventually, the mom was captured and both were taken to MSQ.

Thanks to SWF for providing the rescue assistance and thanks to MSQ for receiving the manatees late last night.

-Andy

From: Garrett, Andy  
Sent: Tuesday, May 01, 2012 11:22 AM  
To: 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; 'Boyd\_Blihovde@fws.gov'; 'Cathy Beck'; 'cbeck@usgs.gov'; 'Craig Miller'; 'Craig Pelton'; 'curator@lowryparkzoo.com'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Jacob, Katalin; 'jim\_reid@usgs.gov'; 'Jodi Tuzinski'; 'jpowell@sea2shore.org'; Knox, Carol; 'Laura Eldredge'; 'Maya'; 'Michael Boos'; 'Michael\_Lusk@fws.gov'; 'Mick Kapustin'; 'Mike Walsh'; Mosier, Andrea; 'mrossbtl@aol.com'; 'Nicole\_Adimey@fws.gov'; 'Pamela Sweeney'; Quigley, Wendy; 'Ray.Ball@LowryParkZoo.com'; 'rbonde@usgs.gov'; Reinert, Tom; 'Robert Rose'; 'Robert.Wagoner@seaworld.com'; 'sbutler@usgs.gov'; Segelson, Carli; 'Steven.Lehr@seaworld.com'; 'Susan.Lowe@dep.state.fl.us'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie  
Subject: Rescue Alert

**Englewood:**

An excessively buoyant new born calf with no obvious watercraft wounds was reported at the end of last week in Englewood. The calf was closely associated with a large adult animal. The FWC-SWFL decided at the time to monitor



## Szemer, Donna

---

**From:** mayadvn@msn.com  
**Sent:** Wednesday, May 02, 2012 10:14 AM  
**To:** Garrett, Andy; ateague@usgs.gov; art.yerian@dep.state.fl.us; Baxter, Kevin; bill.hughes@seaworld.com; boyd\_blihovde@fws.gov; cathy\_beck@usgs.gov; cbeck@usgs.gov; millerc@jacksonvillezoo.org; kogiavet@hotmail.com; curator@lowryparkzoo.com; deWit, Martine; ejugovich@mote.org; Frisch, Katherine; gzern@co.volusia.fl.us; glovewell@mote.org; Jacob, Katalin; jim\_reid@usgs.gov; jtuzinski@msq.cc; jpowell@sea2shore.org; Knox, Carol; laura.eldredge@gmail.com; michael.boos@seaworld.com; michael\_lusk@fws.gov; kapustinn@jacksonvillezoo.org; walshm@vetmed.ufl.edu; Mosier, Andrea; mrossbtl@aol.com; Nicole Adimey; pamel.sweeney@dep.state.fl.us; Quigley, Wendy; ray.ball@lowryparkzoo.com; rbonde@usgs.gov; Reinert, Tom; rrose@msq.cc; robert.wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; steven.lehr@seaworld.com; susan.lowe@dep.state.fl.us; Szemer, Donna; virginia.edmonds@lowryparkzoo.com; Ward, Leslie  
**Subject:** RE: Rescue Alert

### Turkey Creek:

This calf-mom pair (mom was under calf most of the time hard to see) were rescued by SeaWorld and FWC and brought to us last night. The calf is a little bit older, a few months, and does have a warm skeg mark on its left side. We were able to tap and aspirate quite a bit of air but could not get complete negative pressure. We will tap again when we take xrays tomorrow. Cute story: Mom and calf began nibbling on lettuce, but calf could not nurse all night. This morning New mom was nose to nose with 2 other females (Breva and Jasmine), Breva went next to new mom, side to side, new Mom put her flipper on Breva, calf was able to fit in between them and latch on. So calf is nursing with manatee team work. His blood is encouraging so far.

Maya

---

**From:** [Andy.Garrett@MyFWC.com](mailto:Andy.Garrett@MyFWC.com)  
**To:** [ateague@usgs.gov](mailto:ateague@usgs.gov); [Art.Yerian@dep.state.fl.us](mailto:Art.Yerian@dep.state.fl.us); [Kevin.Baxter@MyFWC.com](mailto:Kevin.Baxter@MyFWC.com); [Bill.Hughes@SeaWorld.com](mailto:Bill.Hughes@SeaWorld.com); [Boyd.Blihovde@fws.gov](mailto:Boyd.Blihovde@fws.gov); [Cathy.Beck@usgs.gov](mailto:Cathy.Beck@usgs.gov); [cbeck@usgs.gov](mailto:cbeck@usgs.gov); [millerc@jacksonvillezoo.org](mailto:millerc@jacksonvillezoo.org); [kogiavet@hotmail.com](mailto:kogiavet@hotmail.com); [curator@lowryparkzoo.com](mailto:curator@lowryparkzoo.com); [Martine.deWit@MyFWC.com](mailto:Martine.deWit@MyFWC.com); [ejugovich@mote.org](mailto:ejugovich@mote.org); [Katherine.Frisch@MyFWC.com](mailto:Katherine.Frisch@MyFWC.com); [gzern@co.volusia.fl.us](mailto:gzern@co.volusia.fl.us); [glovewell@mote.org](mailto:glovewell@mote.org); [Katalin.Jacob@MyFWC.com](mailto:Katalin.Jacob@MyFWC.com); [jim\\_reid@usgs.gov](mailto:jim_reid@usgs.gov); [jtuzinski@msq.cc](mailto:jtuzinski@msq.cc); [jpowell@sea2shore.org](mailto:jpowell@sea2shore.org); [carol.knox@MyFWC.com](mailto:carol.knox@MyFWC.com); [laura.eldredge@gmail.com](mailto:laura.eldredge@gmail.com); [MayaDVM@msn.com](mailto:MayaDVM@msn.com); [michael.boos@seaworld.com](mailto:michael.boos@seaworld.com); [Michael.Lusk@fws.gov](mailto:Michael.Lusk@fws.gov); [kapustinn@jacksonvillezoo.org](mailto:kapustinn@jacksonvillezoo.org); [WalshM@vetmed.ufl.edu](mailto:WalshM@vetmed.ufl.edu); [Andrea.Mosier@MyFWC.com](mailto:Andrea.Mosier@MyFWC.com); [mrossbtl@aol.com](mailto:mrossbtl@aol.com); [Nicole.Adimey@fws.gov](mailto:Nicole.Adimey@fws.gov); [Pamela.Sweeney@dep.state.fl.us](mailto:Pamela.Sweeney@dep.state.fl.us); [Wendy.Quigley@MyFWC.com](mailto:Wendy.Quigley@MyFWC.com); [Ray.Ball@LowryParkZoo.com](mailto:Ray.Ball@LowryParkZoo.com); [rbonde@usgs.gov](mailto:rbonde@usgs.gov); [Tom.Reinert@MyFWC.com](mailto:Tom.Reinert@MyFWC.com); [rrose@msq.cc](mailto:rrose@msq.cc); [Robert.Wagoner@seaworld.com](mailto:Robert.Wagoner@seaworld.com); [sbutler@usgs.gov](mailto:sbutler@usgs.gov); [Carli.Segelson@MyFWC.com](mailto:Carli.Segelson@MyFWC.com); [Steven.Lehr@seaworld.com](mailto:Steven.Lehr@seaworld.com); [Susan.Lowe@dep.state.fl.us](mailto:Susan.Lowe@dep.state.fl.us); [Donna.Szemer@MyFWC.com](mailto:Donna.Szemer@MyFWC.com); [Virginia.Edmonds@LowryParkZoo.com](mailto:Virginia.Edmonds@LowryParkZoo.com); [Leslie.Ward@MyFWC.com](mailto:Leslie.Ward@MyFWC.com)  
**Date:** Tue, 1 May 2012 11:21:59 -0400  
**Subject:** Rescue Alert

### Englewood:

An excessively buoyant new born calf with no obvious watercraft wounds was reported at the end of last week in Englewood. The calf was closely associated with a large adult animal. The FWC-SWFL decided at the time to monitor the calf and not to intervene to allow for the buoyancy issue to resolve naturally. The calf was reported again this morning and is fairly unresponsive and still with the adult. The FWC-SWFL has decided to capture the mom-calf pair. A rescue team is responding. If captured, the pair will go to Lowry Park.

### Turkey Creek:

An excessively buoyant new born calf with no obvious watercraft wounds was reported at the end of last week in Turkey Creek. There were several adult animals observed in close proximity to the calf. The ECFL decided to monitor this calf. This morning, the calf was reported again and this time it is being reported alone. The ECFL is responding.



Entered  
8/3/12  
DJS

**Manatee Information (MLog:1399 )**

Animal ID: **MSTm1204** Sex: **F** Name: **Dori** Rearing: **Wild reared**

-- Release Information -----

**Release Date:** 07/17/2012

-- Release Location Information -----

**Release Site:** Turkey Creek

**State:** FL **County:** Brevard **City:** Palm Bay

**Waterway:** Turkey Creek

-- Measurement -----

**Weight (kg):** 521 **Estimated Weight?:** No **Date Weighed:** 07/13/2012

**Length (cm):** 301 **Estimated Length?:** No **Date Measured:** 07/13/2012

-- Other Release Information -----

**Display Water Type:**

**Release Water Type:**

**How many months has animal been exposed to release water type?**

**Is animal bottom feeding?**

**Has animal been exposed to natural vegetation?**

**Vegetation Type:**

**How many months has animal been exposed to vegetation?**

**Tracker:**

**Veterinarian:** Maya Rodriguez

**Organization:** Miami Seaquarium

**Participating Org:**

**Additional Narrative:**

-- Report Information -----

**Created By:** Jodi Tuzinski **Created Date:** 08/02/2012

**Updated By:** D **Updated Date:** 08/02/2012

**Manatee Information (MLog:1399 )**Animal ID:**MSTm1204** Sex:**F** Name:**Dori** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 05/22/2012    **Tag ID** 0006F28460**Tag ID** 0006F28460**Information:****Event:** Release    **Event Date** 07/17/2012

## -- Report Information -----

**Created By:** Jodi Tuzinski    **Created Date:** 08/02/2012**Updated By:** D    **Updated Date:** 08/02/2012*Entered  
8/3/12  
DSS  
PIT &  
Captive*

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 05/22/2012    **Tag ID** 0006F28494**Tag ID** 0006F28494**Information:****Event:** Release    **Event Date** 07/17/2012

## -- Report Information -----

**Created By:** Jodi Tuzinski    **Created Date:** 08/02/2012**Updated By:** D    **Updated Date:** 08/02/2012

July 16, 2012

MSTM1204  
MSTM1205

**FWC Media Event  
FWC to release mother-calf pair of manatees**

**What:** The Florida Fish and Wildlife Conservation Commission (FWC) will release a female manatee and her calf Tuesday, July 17, at Pollak Park in Palm Bay.

The FWC rescued the manatee calf in Turkey Creek in Palm Bay on May 1, 2012, because of watercraft injuries and captured its mother to keep them together. FWC staff transported the manatees to the Miami Seaquarium for rehabilitation. The calf is now healthy and both are ready to be returned to the wild.

**Where:** Boat ramp at Pollak Park, 1455 Main St NE, Palm Bay, FL.

**When:** Tuesday, July 17, from approximately 2:00-2:30 p.m. EST.

**Who:** The FWC's Fish and Wildlife Research Institute staff.

**Media note:** The time is subject to change.

Contact: Kevin Baxter, 727-896-8626



MSTM1204 - Doc.  
MSTM1205 - Nemo

## Home at last: Manatee mom, baby returned to Turkey Creek

**PALM BAY** — Baby and mama manatee wasted no time, vanishing under the creek's coffee-brown surface. Home at last.

The female manatee and her calf returned to Turkey Creek Tuesday, the latter having survived a broken rib and punctured lung from a run-in with a boat.

The Florida Fish and Wildlife Conservation Commission released the two manatees at Pollak Park.

FWC staff had rescued the manatee calf May 1 in Turkey Creek after the animal suffered injuries from a collision with a watercraft.

Residents had noticed the emaciated calf in the area.

Biologists found the young manatee had a punctured lung, which can prevent the animal from submerging to feed on its staple diet of seagrass.

Such an injury can cause manatees to have difficulty exhaling. Their body cavity fills with air, making the manatee pop to the surface like a cork.

Biologists captured the manatee's mother, too, because keeping the two together would up the odds of the calf surviving in captivity, FWC biologists said.

"It makes a huge difference," said Christie Rush, a marine mammal biologist with FWC.

Staff transported the manatees to Turkey Creek by truck from the Miami Seaquarium, where the animals had been taken for the calf's rehabilitation.

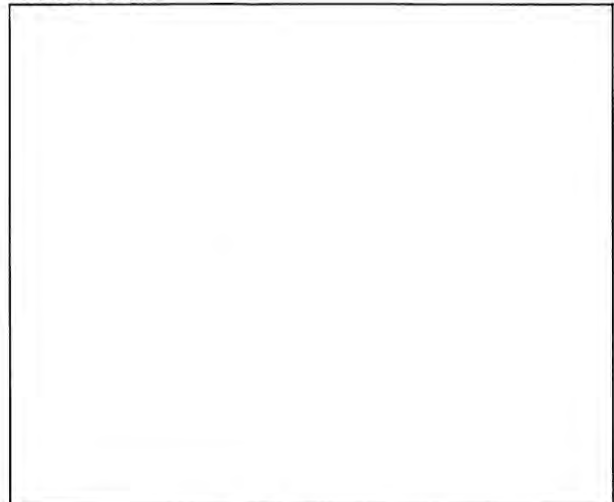
The two grew a bit antsy during the 3-plus-hour drive.

"They were a little rambunctious," Rush said. "They were happy to be home, back in the wild."

It took several FWC staff to lift the mother manatee inside a blue tarp.

Rosita Cotton, who lives along Turkey Creek, witnessed the May rescue and turned up at Pollak Park Tuesday to see the animals released back into the wild.

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# FLORIDATODAY.com

"I thought it was exciting," Cotton said of the rescue that she first noticed going on right outside her back window.

She's sure the sea cows' snouts will pop the surface near her home again sometime soon.

"I expect in the next couple of days I'll see them," Cotton said.



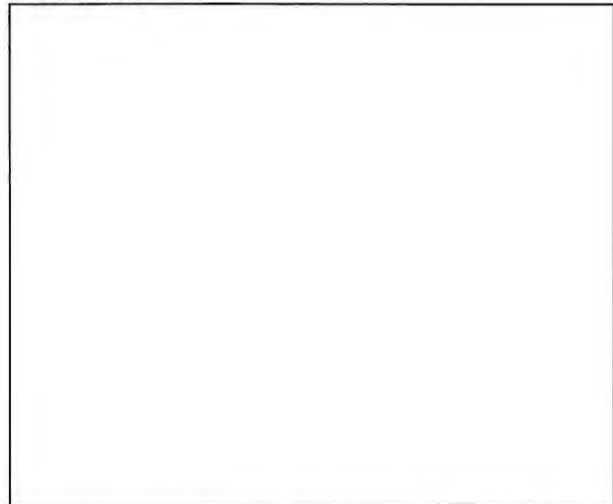
Purchase Image Zoom

Florida Fish and Wildlife Conservation Commission prepare a mother manatee and her calf to be released into Turkey Creek Tuesday. FWC released the two manatees at Pollak Park after having driven them by truck from Miami Seaquarium. FWC staff had rescued the manatee calf May 1 in Turkey Creek after the animal suffered injuries from a collision with a watercraft. / Jim Waymer, FLORIDA TODAY

**What to do if you see  
a sick, injured, dead, or tagged  
manatee**

- **Call FWC's Wildlife Alert Number:** 1-888-404-3922, Cellular phone customers: \*FWC or #FWC
- **Be prepared to answer the following questions:** Location? Alive or dead? Approximate size of the manatee? Location of the closest public boat ramp? Can you provide a contact number?

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## Manatee mortality

- 207 manatees died in Florida last year, including 48 deaths involving collisions with watercraft, the single largest cause of manatee deaths in 2011. Three of those watercraft-related deaths were in Brevard County.
- Preliminary FWC statistics from 2012 show that 30 manatees have died in Brevard so far this year: 12 from complications of birth; eight undetermined; four from the stress of cold weather; three from watercraft collisions; and one from another human-related cause; and one from natural causes. One death was verified but the manatee was not recovered.

## more info

<http://myfwc.com/wildlifehabitats/managed/manatee/>

More

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SeaWorld Orlando returns sea turtles at Canaveral National Seashore

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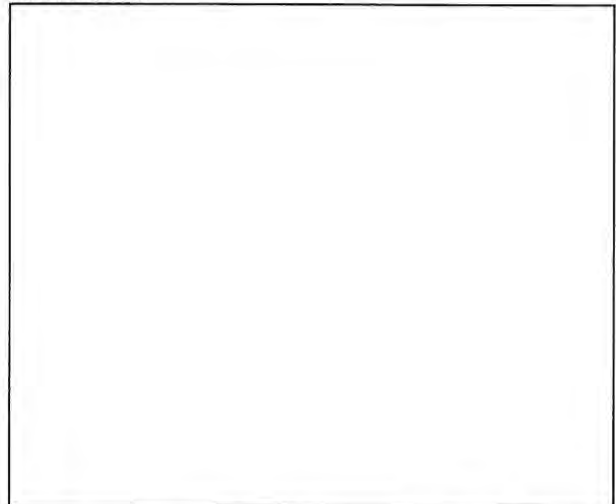
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Resc / Rel  
7/17/12

Updated  
9/4/12  
JSS

Watercraft

## GENERAL:

Date of Rescue: 01 May 2012 Date of Initial Report: 27 April 2012 Filed by: Christine Rush  
Rescue ID#: REC1208 Facility ID: MSTm1205 FWC Case: 4203, 4375 Officer Name: N/A  
Sex: Male Length: 170 cm Estimated: No  
PIT Tag Present: No PIT Tag Applied: No #R  
LOCATION:  
State: FL City: Palm Bay County: Brevard Waterway: Turkey Creek  
Latitude (Decimal Degrees): 28.01751° N Longitude (Decimal Degrees): -80.59528° W  
Locality Description: Behind 813 Sadnet Circle N.E.  
Method of Capture: Net set from boat and beach.

"Nemo"

(Mom - MSTm1204  
REC1207  
"Dor")

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft ☐ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☐ Propeller ☒ Skeg ☒ Suspected Impact

Describe:

## Other

Describe: Dependent calf, mother also captured (REC1207)

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
27 April 2012	At 1213 hrs, FWC-biologist Christine N. Rush (CNR) received a text alert from FWC NE Dispatch-Orlando regarding a possible injured, orphan calf in Palm Bay. FWC case number 4203 was assigned. The complainant, John Prentince

(321-693-0155), was in Turkey Creek when he noticed a small distressed manatee. According to the complainant, the manatee was by itself, did not have use of its right flipper and was positively buoyant. The complainant agreed to stay with the manatee until help arrived. CNR, FWC-biologist Jaclyn E. Ludema (JEL), and FWC-Volunteer Daniel H. Neis (DHN) launched their boat and met the complainant at the entrance to a dead-end canal. The manatee was not using its right flipper and it was unknown if it was missing or just tucked. There did not appear to be any other manatees in the area until approximately a half hour later when a large manatee inspected the calf, but then moved on. CNR contacted FWC-Andy J. Garrett (AJG) to inform him of a possible orphan. CNR then contacted SeaWorld to see if they could accept the calf. SeaWorld informed CNR that they had space for a calf, but not a mom-calf pair, if a mother did show up. A few minutes later, another large manatee joined the calf, but then seemed to move on. The calf seemed wary of the boat engine noise, so JEL and DHN followed the calf using kayaks. After approximately another hour of following the calf, it became apparent that the second large manatee was staying with the calf. CNR informed AJG that it appeared that the calf did have a mother and would require more monitoring.

01 May 2012

At 1044 hrs, JEL received a text alert from FWC NE Dispatch-Orlando regarding the same manatee. FWC case number 4375 was assigned. The complainant, Andrew Files (321-684-9487), was at the Pollak Park Boat Ramp when he noticed a small manatee all alone swimming in circles and popping up like a cork. CNR contacted AJG and Sea World-Bob Wagoner to inform them that the manatee had been spotted again. CNR, JEL, and DHN launched the boat from the Pollak Park Boat Ramp and found the manatee in Turkey Creek. The manatee appeared to be alone again and was more buoyant than when last observed a few days prior. After watching the manatee for approximately 10 minutes, a larger manatee surfaced next to it to breathe. JEL verified that it was the same large manatee observed with the calf on 27 April. CNR contacted AJG to inform him that the calf was getting worse and needed to be rescued along with a mom that was staying with it. CNR contacted Miami Seaquarium-Dr. Maya to make sure they could accept the manatees. SeaWorld agreed to bring a rescue boat and crew, and the SEFL staff brought a transport truck. CNR, JEL, and DHN followed the manatee in their Key West until the rest of the rescue team was close to the boat ramp. JEL and DHN then followed the manatees using kayaks while CNR picked up additional staff and gear at the Pollak Park Boat Ramp. CNR then led the rescue boat to the location of the mom-calf pair. A single net set was made around both the mom and calf using a small beach as the start and end point. The calf was brought on board the rescue boat, but the mom got out of the net. The calf was placed in a stretcher and brought back to the water's edge to entice the mom to return. The mom showed up behind rescuers in the shallows and was captured after three attempts. The calf was transported to the boat ramp on the Key West and the mom was transported on the rescue boat. The manatees were loaded into the SE transport truck and taken to Miami Seaquarium, arriving at 2200 hrs.



Participants:

FWC EC: C. Rush, J. Ludema, D. Neis (volunteer)

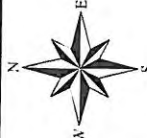
FWC SE: J. Cassady, K. Bullard, L. Connor

SeaWorld Animal Care Staff

REC1208

Photographs: FWC020\_2012-04-27\_5082-5094, FWC025\_2012-05-01\_2785-2808





# Verified Response Location of Manatee Rescue REC1208

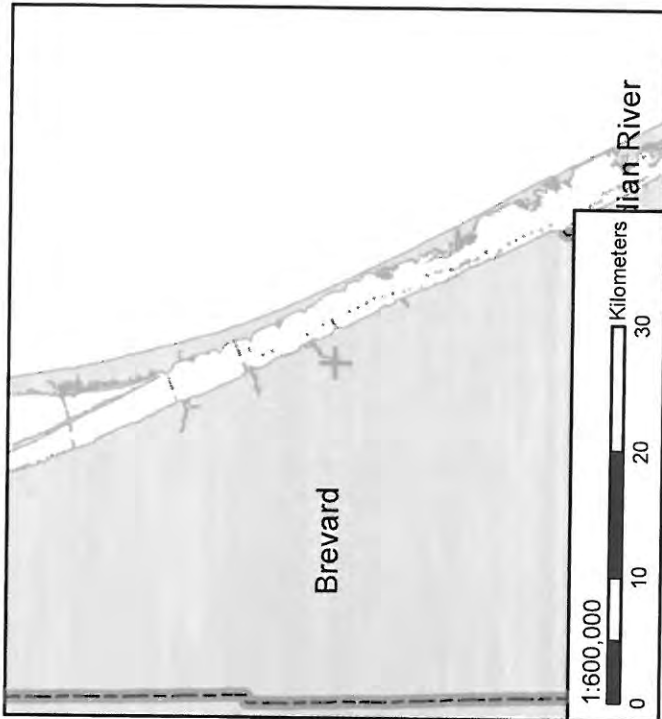
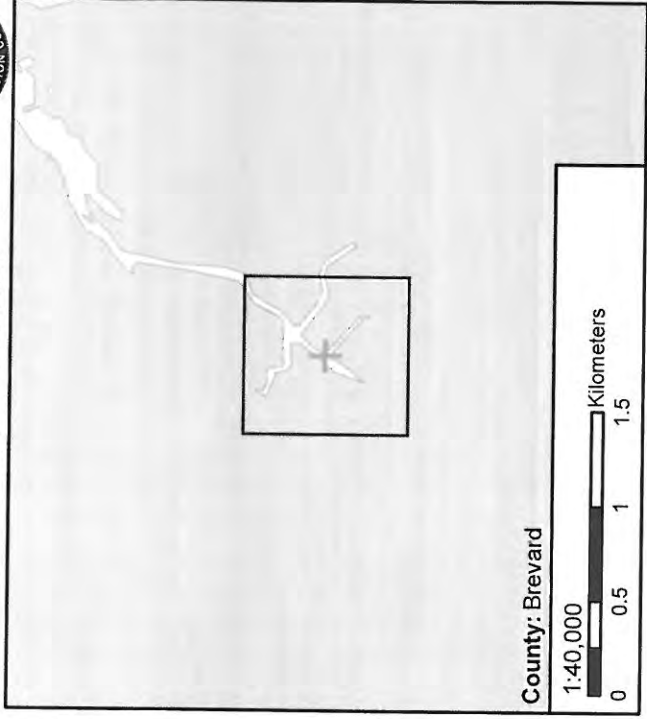
Rescue Date: 5/1/2012

Facility ID: MSTm1205

Map Created 1/7/2014



**Locality Description:**  
behind 813 Sadnet Circle N.E.



Latitude: 28.01751°N  
Longitude: -80.59528°W





MSTM1205  
REC1208  
Nemo





Szemer, Donna

"Demo"

Kess / Rel  
7/17/11

**From:** Garrett, Andy  
**Sent:** Wednesday, May 02, 2012 10:16 AM  
**To:** Amy Teague ; Art Yerian; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy Beck; cbeck@usgs.gov; Craig Miller; Craig Pelton; curator@lowryparkzoo.com; deWit, Martine; Emma Jugovich; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Jacob, Katalin; jim\_reid@usgs.gov; Jodi Tuzinski; jpowell@sea2shore.org; Knox, Carol; Laura Eldredge; Maya; Michael Boos; Michael\_Lusk@fws.gov; Mick Kapustin; Mike Walsh; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Pamela Sweeney; Quigley, Wendy; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
**Subject:** Rescue Update

"Ser." "Demo"  
MSTM1204 MSTM1205  
REC1207 REC1208  
mom/calf

**Englewood:**

After the rescue team arrived on scene yesterday, the calf was observed nursing from the mom, something that had not been seen in prior observations. Due to this new information, the concern for the stress of capture on such a young manatee (estimated to be days old), and the uncertainty of what was causing the excessive buoyancy, the rescue team decided not to capture and return to monitoring.

Note: This pair was first observed on Sunday morning, not at the end of last week as previously reported.

**Turkey Creek:**

After arriving on scene, the FWC-ECFL observed the buoyant calf with an adult that was seen in the area the last time they observed the calf. After evaluating the calf's condition, the ECFL staff decided a rescue was necessary. Sea World was able to provide a capture boat and the FWC-SEFL was able to provide a transport vehicle. The mom-calf pair were encouraged to a shallow water area and a land set was made using the capture boat. On the initial set, the adult was able to get out of the net, but the calf was captured. The calf was left in shallow water to entice the mom to shore so another set could be made. Eventually, the mom was captured and both were taken to MSQ.

Thanks to SWF for providing the rescue assistance and thanks to MSQ for receiving the manatees late last night.

-Andy

**From:** Garrett, Andy  
**Sent:** Tuesday, May 01, 2012 11:22 AM  
**To:** 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; 'Boyd\_Blihovde@fws.gov'; 'Cathy Beck'; 'cbeck@usgs.gov'; 'Craig Miller'; 'Craig Pelton'; 'curator@lowryparkzoo.com'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Jacob, Katalin; 'jim\_reid@usgs.gov'; 'Jodi Tuzinski'; 'jpowell@sea2shore.org'; Knox, Carol; 'Laura Eldredge'; 'Maya'; 'Michael Boos'; 'Michael\_Lusk@fws.gov'; 'Mick Kapustin'; 'Mike Walsh'; Mosier, Andrea; 'mrossbtl@aol.com'; 'Nicole\_Adimey@fws.gov'; 'Pamela Sweeney'; Quigley, Wendy; 'Ray.Ball@LowryParkZoo.com'; 'rbonde@usgs.gov'; Reinert, Tom; 'Robert Rose'; 'Robert.Wagoner@seaworld.com'; 'sbutler@usgs.gov'; Segelson, Carli; 'Steven.Lehr@seaworld.com'; 'Susan.Lowe@dep.state.fl.us'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie  
**Subject:** Rescue Alert

**Englewood:**

An excessively buoyant new born calf with no obvious watercraft wounds was reported at the end of last week in Englewood. The calf was closely associated with a large adult animal. The FWC-SWFL decided at the time to monitor



## Szemer, Donna

**From:** mayadvn@msn.com  
**Sent:** Wednesday, May 02, 2012 10:14 AM  
**To:** Garrett, Andy; ateague@usgs.gov; art.yerian@dep.state.fl.us; Baxter, Kevin; bill.hughes@seaworld.com; boyd\_blihovde@fws.gov; cathy\_beck@usgs.gov; cbeck@usgs.gov; millerc@jacksonvillezoo.org; kogiavet@hotmail.com; curator@lowryparkzoo.com; deWit, Martine; ejugovich@mote.org; Frisch, Katherine; gzern@co.volusia.fl.us; glovewell@mote.org; Jacob, Katalin; jim\_reid@usgs.gov; jtuzinski@msq.cc; jpowell@sea2shore.org; Knox, Carol; laura.eldredge@gmail.com; michael.boos@seaworld.com; michael\_lusk@fws.gov; kapustinn@jacksonvillezoo.org; walshm@vetmed.ufl.edu; Mosier, Andrea; mrossbtl@aol.com; Nicole Adimey; pamela.sweeney@dep.state.fl.us; Quigley, Wendy; ray.ball@lowryparkzoo.com; rbonde@usgs.gov; Reinert, Tom; rose@msq.cc; robert.wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; steven.lehr@seaworld.com; susan.lowe@dep.state.fl.us; Szemer, Donna; virginia.edmonds@lowryparkzoo.com; Ward, Leslie  
**Subject:** RE: Rescue Alert

### Turkey Creek:

This calf-mom pair (mom was under calf most of the time hard to see) were rescued by SeaWorld and FWC and brought to us last night. The calf is a little bit older, a few months, and does have a warm skeg mark on its left side. We were able to tap and aspirate quite a bit of air but could not get complete negative pressure. We will tap again when we take xrays tomorrow. Cute story: Mom and calf began nibbling on lettuce, but calf could not nurse all night. This morning New mom was nose to nose with 2 other females (Breva and Jasmine), Breva went next to new mom, side to side, new Mom put her flipper on Breva, calf was able to fit in between them and latch on. So calf is nursing with manatee team work. His blood is encouraging so far.  
Maya

---

From: [Andy.Garrett@MyFWC.com](mailto:Andy.Garrett@MyFWC.com)

To: [ateague@usgs.gov](mailto:ateague@usgs.gov); [Art.Yerian@dep.state.fl.us](mailto:Art.Yerian@dep.state.fl.us); [Kevin.Baxter@MyFWC.com](mailto:Kevin.Baxter@MyFWC.com); 'Bill.Hughes@SeaWorld.com'; [Boyd.Blihovde@fws.gov](mailto:Boyd.Blihovde@fws.gov); [Cathy.Beck@usgs.gov](mailto:Cathy.Beck@usgs.gov); [cbeck@usgs.gov](mailto:cbeck@usgs.gov); [millerc@jacksonvillezoo.org](mailto:millerc@jacksonvillezoo.org); [kogiavet@hotmail.com](mailto:kogiavet@hotmail.com); [curator@lowryparkzoo.com](mailto:curator@lowryparkzoo.com); [Martine.deWit@MyFWC.com](mailto:Martine.deWit@MyFWC.com); [ejugovich@mote.org](mailto:ejugovich@mote.org); [Katherine.Frisch@MyFWC.com](mailto:Katherine.Frisch@MyFWC.com); [gzern@co.volusia.fl.us](mailto:gzern@co.volusia.fl.us); [glovewell@mote.org](mailto:glovewell@mote.org); [Katalin.Jacob@MyFWC.com](mailto:Katalin.Jacob@MyFWC.com); [jim\\_reid@usgs.gov](mailto:jim_reid@usgs.gov); [jtuzinski@msq.cc](mailto:jtuzinski@msq.cc); [jpowell@sea2shore.org](mailto:jpowell@sea2shore.org); [carol.knox@MyFWC.com](mailto:carol.knox@MyFWC.com); [laura.eldredge@gmail.com](mailto:laura.eldredge@gmail.com); [MayaDVM@msn.com](mailto:MayaDVM@msn.com); [michael.boos@seaworld.com](mailto:michael.boos@seaworld.com); [Michael.Lusk@fws.gov](mailto:Michael.Lusk@fws.gov); [kapustinn@jacksonvillezoo.org](mailto:kapustinn@jacksonvillezoo.org); [WalshM@vetmed.ufl.edu](mailto:WalshM@vetmed.ufl.edu); [Andrea.Mosier@MyFWC.com](mailto:Andrea.Mosier@MyFWC.com); [mrossbtl@aol.com](mailto:mrossbtl@aol.com); [Nicole.Adimey@fws.gov](mailto:Nicole.Adimey@fws.gov); [Pamela.Sweeney@dep.state.fl.us](mailto:Pamela.Sweeney@dep.state.fl.us); [Wendy.Quigley@MyFWC.com](mailto:Wendy.Quigley@MyFWC.com); [Ray.Ball@LowryParkZoo.com](mailto:Ray.Ball@LowryParkZoo.com); [rbonde@usgs.gov](mailto:rbonde@usgs.gov); [Tom.Reinert@MyFWC.com](mailto:Tom.Reinert@MyFWC.com); [rose@msq.cc](mailto:rose@msq.cc); [Robert.Wagoner@seaworld.com](mailto:Robert.Wagoner@seaworld.com); [sbutler@usgs.gov](mailto:sbutler@usgs.gov); [Carli.Segelson@MyFWC.com](mailto:Carli.Segelson@MyFWC.com); 'Steven.Lehr@seaworld.com'; [Susan.Lowe@dep.state.fl.us](mailto:Susan.Lowe@dep.state.fl.us); [Donna.Szemer@MyFWC.com](mailto:Donna.Szemer@MyFWC.com); [Virginia.Edmonds@LowryParkZoo.com](mailto:Virginia.Edmonds@LowryParkZoo.com); [Leslie.Ward@MyFWC.com](mailto:Leslie.Ward@MyFWC.com)

Date: Tue, 1 May 2012 11:21:59 -0400

Subject: Rescue Alert

### Englewood:

An excessively buoyant new born calf with no obvious watercraft wounds was reported at the end of last week in Englewood. The calf was closely associated with a large adult animal. The FWC-SWFL decided at the time to monitor the calf and not to intervene to allow for the buoyancy issue to resolve naturally. The calf was reported again this morning and is fairly unresponsive and still with the adult. The FWC-SWFL has decided to capture the mom-calf pair. A rescue team is responding. If captured, the pair will go to Lowry Park.

### Turkey Creek:

An excessively buoyant new born calf with no obvious watercraft wounds was reported at the end of last week in Turkey Creek. There were several adult animals observed in close proximity to the calf. The ECFL decided to monitor this calf. This morning, the calf was reported again and this time it is being reported alone. The ECFL is responding.

- Andy

Entered  
 8/3/12  
 JTS

**Manatee Information** (MLog:1400 , Dam:1399 )

Animal ID: **MSTm1205** Sex: **M** Name: **Nemo** Rearing: **Wild reared**

-- Release Information -----

**Release Date:** 07/17/2012

-- Release Location Information -----

**Release Site:** Turkey Creek

**State:** FL **County:** Brevard **City:** Palm Bay

**Waterway:** Turkey Creek

-- Measurement -----

**Weight (kg):** 124 **Estimated Weight?:** No **Date Weighed:** 07/13/2012

**Length (cm):** 167 **Estimated Length?:** No **Date Measured:** 07/13/2012

-- Other Release Information -----

**Display Water Type:**

**Release Water Type:**

**How many months has animal been exposed to release water type?**

**Is animal bottom feeding?**

**Has animal been exposed to natural vegetation?**

**Vegetation Type:**

**How many months has animal been exposed to vegetation?**

**Tracker:**

**Veterinarian:** Maya Rodriguez

**Organization:** Miami Seaquarium

**Participating Org:**

**Additional Narrative:**

-- Report Information -----

**Created By:** Jodi Tuzinski **Created Date:** 08/02/2012

**Updated By:** D **Updated Date:** 08/02/2012

**Manatee Information (MLog:1400 , Dam:1399 )**Animal ID:**MSTm1205** Sex:**M** Name:**Nemo** Rearing:**Wild reared**

## -- Tag Information -----

**Tag Type:** Pit Tag Left    **Date Applied:** 05/22/2012    **Tag ID** 0006F11876**Tag ID** 0006F11876**Information:****Event:** Release    **Event Date** 07/17/2012

## -- Report Information -----

**Created By:** Jodi Tuzinski    **Created Date:** 08/02/2012**Updated By:** D    **Updated Date:** 08/02/2012*Entered  
Capture  
+  
PIT  
8/3/12  
DJS*

## -- Tag Information -----

**Tag Type:** Pit Tag Right    **Date Applied:** 05/22/2012    **Tag ID** 0006F2712E**Tag ID** 0006F2712E**Information:****Event:** Release    **Event Date** 07/17/2012

## -- Report Information -----

**Created By:** Jodi Tuzinski    **Created Date:** 08/02/2012**Updated By:** D    **Updated Date:** 08/02/2012

July 16, 2012

MSTM1204  
MSTM1205

**FWC Media Event**  
**FWC to release mother-calf pair of manatees**

**What:** The Florida Fish and Wildlife Conservation Commission (FWC) will release a female manatee and her calf Tuesday, July 17, at Pollak Park in Palm Bay.

The FWC rescued the manatee calf in Turkey Creek in Palm Bay on May 1, 2012, because of watercraft injuries and captured its mother to keep them together. FWC staff transported the manatees to the Miami Seaquarium for rehabilitation. The calf is now healthy and both are ready to be returned to the wild.

**Where:** Boat ramp at Pollak Park, 1455 Main St NE, Palm Bay, FL.

**When:** Tuesday, July 17, from approximately 2:00-2:30 p.m. EST.

**Who:** The FWC's Fish and Wildlife Research Institute staff.

**Media note:** The time is subject to change.

Contact: Kevin Baxter, 727-896-8626



## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Friday, August 03, 2012 1:19 PM  
**To:** Szemer, Donna; Cathy A Beck  
**Subject:** RE: Releases of Nemo and Dori today at Pollack Park, Turkey Creek

Yes, we measured both mom and calf on site the day of the release.  
And my data sheet has her down 192cm on 17 July 2012.

"Nemo"

Entered

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

-----Original Message-----

**From:** Szemer, Donna  
**Sent:** Friday, August 03, 2012 1:11 PM  
**To:** Spellman, Ann; Cathy A Beck  
**Subject:** RE: Releases of Nemo and Dori today at Pollack Park, Turkey Creek

Thanks for the info!

Were these animals measured at the release site?

You have Nemo as being 192 cm, but it is listed as 167 cm in the web database.

Let me know which it should be.

Thanks!  
Donna

-----Original Message-----

**From:** Spellman, Ann  
**Sent:** Tuesday, July 17, 2012 3:55 PM  
**To:** Cathy A Beck; Szemer, Donna  
**Subject:** Releases of Nemo and Dori today at Pollack Park, Turkey Creek

These are of Nemo- the calf, Male, TL: 192 WT: (13 July 2012) 275lbs  
REC1208/MSTm1205  
PIT L: 00-06F1-1876 R: 00-06F2-712E

Mom- Dori in next email

Ann C. Spellman  
Marine Mammal Biologist

Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

## Home at last: Manatee mom, baby returned to Turkey Creek

**PALM BAY** — Baby and mama manatee wasted no time, vanishing under the creek's coffee-brown surface. Home at last.

The female manatee and her calf returned to Turkey Creek Tuesday, the latter having survived a broken rib and punctured lung from a run-in with a boat.

The Florida Fish and Wildlife Conservation Commission released the two manatees at Pollak Park.

FWC staff had rescued the manatee calf May 1 in Turkey Creek after the animal suffered injuries from a collision with a watercraft.

Residents had noticed the emaciated calf in the area.

Biologists found the young manatee had a punctured lung, which can prevent the animal from submerging to feed on its staple diet of seagrass.

Such an injury can cause manatees to have difficulty exhaling. Their body cavity fills with air, making the manatee pop to the surface like a cork.

Biologists captured the manatee's mother, too, because keeping the two together would up the odds of the calf surviving in captivity, FWC biologists said.

"It makes a huge difference," said Christie Rush, a marine mammal biologist with FWC.

Staff transported the manatees to Turkey Creek by truck from the Miami Seaquarium, where the animals had been taken for the calf's rehabilitation.

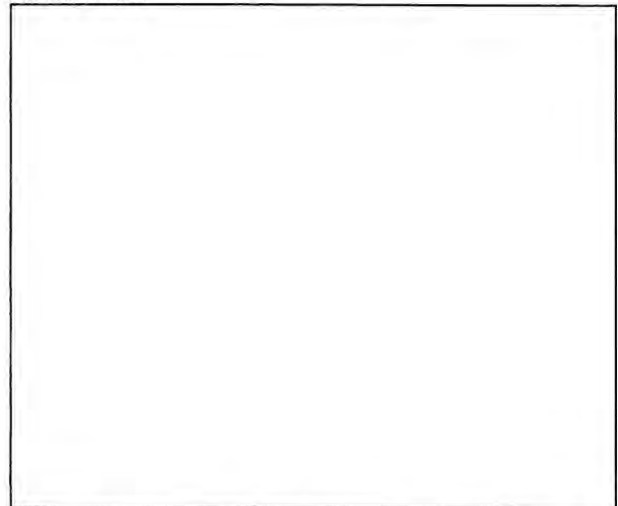
The two grew a bit antsy during the 3-plus-hour drive.

"They were a little rambunctious," Rush said. "They were happy to be home, back in the wild."

It took several FWC staff to lift the mother manatee inside a blue tarp.

Rosita Cotton, who lives along Turkey Creek, witnessed the May rescue and turned up at Pollak Park Tuesday to see the animals released back into the wild.

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"I thought it was exciting," Cotton said of the rescue that she first noticed going on right outside her back window.

She's sure the sea cows' snouts will pop the surface near her home again sometime soon.

"I expect in the next couple of days I'll see them," Cotton said.



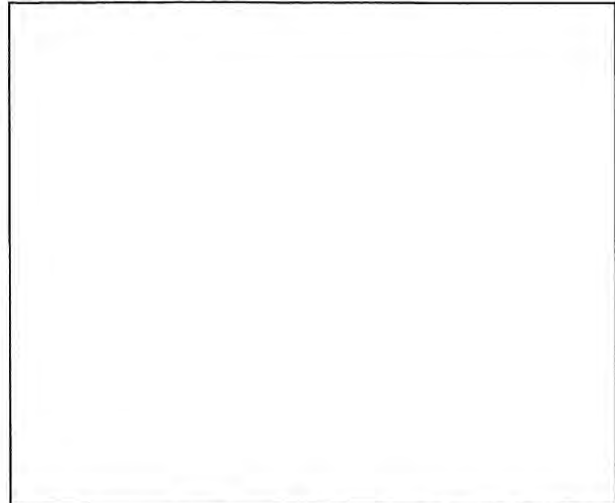
**Purchase Image Zoom**

Florida Fish and Wildlife Conservation Commission prepare a mother manatee and her calf to be released into Turkey Creek Tuesday. FWC released the two manatees at Pollak Park after having driven them by truck from Miami Seaquarium. FWC staff had rescued the manatee calf May 1 in Turkey Creek after the animal suffered injuries from a collision with a watercraft. / Jim Waymer, FLORIDA TODAY

**What to do if you see  
a sick, injured, dead, or tagged  
manatee**

- **Call FWC's Wildlife Alert Number:** 1-888-404-3922, Cellular phone customers: \*FWC or #FWC
- **Be prepared to answer the following questions:** Location? Alive or dead? Approximate size of the manatee? Location of the closest public boat ramp? Can you provide a contact number?

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## Manatee mortality

- 207 manatees died in Florida last year, including 48 deaths involving collisions with watercraft, the single largest cause of manatee deaths in 2011. Three of those watercraft-related deaths were in Brevard County.
- Preliminary FWC statistics from 2012 show that 30 manatees have died in Brevard so far this year: 12 from complications of birth; eight undetermined; four from the stress of cold weather; three from watercraft collisions; and one from another human-related cause; and one from natural causes. One death was verified but the manatee was not recovered.

## more info

<http://myfwc.com/wildlifehabitats/managed/manatee/>

More

## Related Links

SeaWorld Orlando returns sea turtles at Canaveral National Seashore

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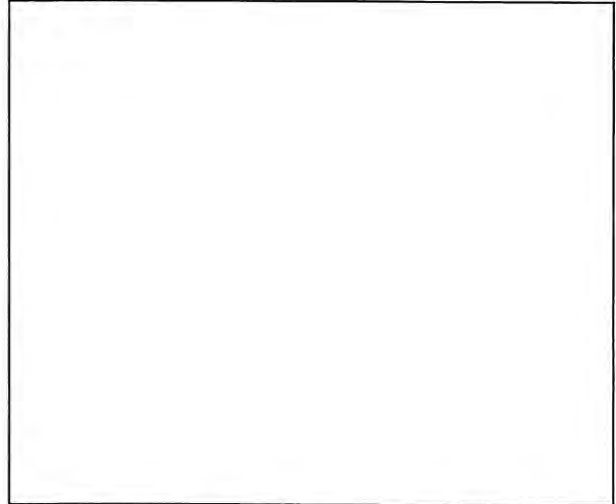
Who do you know in Melbourne that's been arrested? You? Your friends?

[InstantCheckmate.com](http://InstantCheckmate.com)

## Melbourne: Mom Makes Botox Doctors Angry

Florida: Mom Reveals Clever \$5 Wrinkle Therapy That Makes Botox Doctors Furious  
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## GENERAL:

Date of Rescue: 08 June 2012	Date of Initial Call: 17 May 2012	Filed by: Christine Rush
Rescue ID#: REC1210	Facility ID: SWFTm1212b	FWC Case: 5071, 5154, 5487, 5543, 5898, 5928
Sex: Female	Length: 302 cm	Estimated: No
PIT Tag Present: No	PIT Tag Applied: No	#R L
LOCATION:		
State: FL	City: Merritt Island	County: Brevard
Latitude (Decimal Degrees): 28.38004° N		Waterway: Sykes Creek
Longitude (Decimal Degrees): -080.698073° W		
Locality Description: Behind 1345 Mercury St.		
Method of Capture: Net set from capture boat.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Entanglement

**Gear Type:** (Check all that apply)

- ☒ Monofilament Line ☐ Hook  
☐ Net ☒ Buoy  
☒ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:** Left flipper appears to have embedded monofilament line. The right flipper had embedded monofilament line, along with braided nylon and polypropylene line penetrating to the bone.

### If Crab Pot:

Float#: V4154      Color: Red and white      Line Type: Braided nylon and Polypropylene

### Damage from Gear:

- ☐ No Damage ☒ Abrasions  
☒ Breaking Skin Surface      Depth of Entanglement Penetration: To the bone  
Comments: There was a nest of monofilament surrounding the bone, which was exposed underneath the rope. The right flipper was amputated upon arrival to SeaWorld.  
Gear Retained? ☒ Y ☐ N

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
--	----------------	-----------------	-------

## Rescue Report

Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
17 May 2012	At 1834 hrs, on-call FWC-biologist Nadia J. Gordon (NJG) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee in Merritt Island. FWC case number 5071 was assigned. The complainant, Ron (732-996-4125), observed the manatee behind his residence at 1345 Mercury St. The manatee was carrying a red float with a flat top and was milling with a few other manatees in the canal. NJG sent an email to EC Field Lab staff with the incident form.
18 May 2012	At 0830 hrs, FWC-biologist Christine N. Rush (CNR) contacted the complainant to see if the manatee was still there. The manatee had left the area and there were no photographs from the previous evening.
19 May 2012	At 1618 hrs, CNR received a text alert from FWC NE Dispatch- Orlando regarding an entangled manatee in Merritt Island. FWC case number 5154 was assigned. The complainant, Don Quinn (321-446-8977), found the manatee behind his residence at 1380 Hannah Dr. The manatee was dragging a red buoy, but it was unclear where it was attached. CNR requested officer assistance. FWC-Ofc. B. Bresie responded by land, but the manatee had left the area. Another individual at the residence, Jewly Antosz, was able to take photographs and sent them to CNR later that evening. CNR confirmed the entanglement and informed other field staff and FWC-Andy J. Garrett (AJG).
25 May 2012	At 1542 hrs, CNR received a direct call to the office from a citizen regarding an entangled manatee in Merritt Island. The complainant, John Weatherington (321-452-5157), spotted the entangled manatee behind his residence at 270 Alabama Ave. CNR informed the complainant that she would be on scene within the hour. En route to the complainant's residence, CNR left a message for FWC-Tom R. Reinert (TRR) to inform him of the possible entanglement. When CNR and FWC-biologist Jaclyn E. Ludema (JEL) arrived, the manatee was still behind the residence. The floats were relatively close to the manatee's body, so when it submerged, the floats would go under as well. Water clarity was very poor, so CNR requested that the complainant turn on the hose to keep the manatee close to the dock so she could get a better look. JEL reached down to the manatee's flipper and could only determine that the line was embedded

## Rescue Report

and the flipper was swollen. CNR contacted TRR to request permission to tag the manatee, but there was no response. After attempting to reach TRR multiple times, CNR contacted FWC-biologist Ann C. Spellman (ACS) to see if she was able to give permission to tag the manatee. ACS informed CNR that TRR or AJG must give permission to tag the manatee, but she would attempt to contact TRR as well. ACS could not reach TRR either, so she advised CNR to contact AJG. CNR attempted to contact AJG and left a message. CNR also contacted SeaWorld-Randy Runnells (RR) to ask if they were available to assist with a rescue within the next few days. RR informed CNR that SeaWorld staff was not available for at least a week due to a new baby dolphin that had been rescued a few days before, leaving them short-staffed. At 1720 hrs, TRR contacted CNR and gave permission to tag the manatee. CNR informed TRR that SeaWorld was not available for at least a week and she would make plans with SEFL or the MMPL if needed. JEL entered the water with the tag and cutting device in case a crab pot was still attached to the manatee. The manatee was not approachable, so CNR launched the kayak in an attempt to head off the manatee and encourage it back towards the dead end of the canal where JEL was in the water. That attempt also did not work. CNR and JEL swam and kayaked the canal for approximately two hours, but were unable to tag the elusive manatee. CNR contacted TRR to inform him of the situation and was given approval to put a tag on the manatee should it be seen again.

- 26 May 2012 At 1159 hrs, CNR received a text alert from FWC NE Dispatch-Orlando. FWC case number 5487 was assigned. The complainant, Debbie Revels (321-459-0246), saw the manatee in the canal behind 345 Jacala Dr. CNR and FWC volunteer Daniel J. Rush (DJR) searched the area, but were unable to locate the manatee.
- 27 May 2012 At 1219 hrs, JEL received a text alert from FWC NE Dispatch-Orlando. FWC case number 5543 was assigned. The complainant, Mark (321-543-4696), saw the manatee swim by Sundoro Ct., headed towards the Kiwanis Basin channel. JEL was informed that the manatee had already swum off, but requested pictures if the manatee was seen again.
- 30 May 2012 At 1000 hrs, FWC-Lt. G. Waldeck flew all of Sykes Creek and other manatee "hot spots" in an attempt to locate the entangled manatee. The entangled manatee was not located.
- 03 June 2012 At 1649 hrs, JEL received a text alert from FWC NE Dispatch-Orlando. FWC case number 5898 was assigned. The complainant, Robin Kaye (321-704-9125), found the entangled manatee behind her residence at 109 Via Havarri. The complainant reported a wooden float with yellow nylon line trailing. This was the first time a yellow nylon line was reported, and yellow line had not been seen in the past. By the time JEL contacted the complainant, the manatee had already swum off.



## Rescue Report

04 June 2012	<p>At 1152 hrs, JEL received a text alert from FWC NE Dispatch-Orlando. FWC case number 5928 was assigned. The complainant, Gary (610-724-7316), found the manatee behind his residence at 202 Mariah Ct. En route to the complainant's residence, JEL attempted to contact the complainant, but was unable to reach him. JEL contacted the complainant from the previous day to see if she was able to locate the manatee behind her residence again. She informed JEL that the manatee was there. JEL then contacted FWC volunteer Daniel H. Neis (DHN) to see if he was available to assist. At 1645 hrs, JEL and ACS met DHN at the complainant's residence. JEL and DHN entered the water in an attempt to tag the manatee, but were unsuccessful. Tagging attempts ceased at 1945 hrs. JEL got permission from the complainant to use her property the following morning to search for the manatee.</p>
05 June 2012	<p>At 0800 hrs, CNR and JEL arrived at 202 Mariah Ct. to search for the entangled manatee. CNR put a hose out in an attempt to attract the manatee, but no manatees showed up after 15 minutes of running the water. CNR and JEL moved their search up the canal where manatees were seen on a regular basis. CNR got permission from a previous complainant to search their back yard, and the entangled manatee was located. The manatee swam over to a neighbor's sea wall. After getting permission to use their yard as well, JEL was able to attach the tag just below the buoy from the seawall. CNR contacted SeaWorld-Bob Wagoner (BW) to inform him that the manatee was tagged. BW informed CNR that they were unable to assist with a rescue that day but should be available the following day. Due to approaching storms, it was too late to call in any other rescue crew from around the state. CNR informed AJG of the situation and that a rescue was planned for the following day.</p>
06 June 2012	<p>At 0745 hrs, CNR tracked the VHF tag via truck and found the manatee by 0830 hrs. CNR contacted BW to inform him that the manatee had been found and requested a rescue crew. BW informed CNR that a crew would not be able to assist until the afternoon. CNR informed BW that storms were expected in the early afternoon. Storms were forecast for the following day as well, so BW and CNR decided to attempt a rescue on 08 June.</p>
07 June 2012	<p>At 0730 hrs, CNR truck-tracked the manatee. CNR contacted AJG and the working group to update them on the manatee's whereabouts for the past few days. CNR also contacted BW to inform him she had found the manatee again and to finalize the rescue plan for the next day. There were severe thunderstorms all day long.</p>
08 June 2012	<p>At 0700 hrs, JEL and CNR began truck-tracking the manatee. At 0815 hrs, they found the manatee at the Town and Country Mobile Home Park in Merritt Island. CNR contacted SeaWorld-Steve Lehr (SL) to request assistance. SL informed CNR that they were able to assist, but would not be able to leave for a few hours. CNR received permission from the park manager to use their ramp</p>

## Rescue Report

and stage for an in-field surgery if needed. Meanwhile, FWC volunteers Leo J. Cross (LJC) and Angela R. Preston (ARP) joined JEL and CNR and watched the manatee pace back and forth in the canal until SeaWorld arrived at 1130 hrs. JEL used the kayak to maintain visual contact with the manatee while the rescue crew assembled. The manatee was captured on the first net set from the boat and brought back to the boat ramp. It was evident that the manatee had to be taken into captivity as the entanglement was deeply embedded around the right flipper nearly severing it. The manatee was loaded into the transport truck and taken to SeaWorld. CNR and JEL followed the truck to Sea World to document the injuries and the surgery to remove the flipper. The right flipper had a large nest of monofilament that was embedded underneath the line from the crab pot causing the need for amputation. The amputated right flipper was retained and taken back to the EC Field Lab. The left flipper had scar tissue around the entire circumference and most likely had embedded monofilament.

### Participants

FWC EC: C. Rush, J. Ludema, A. Spellman, FWC EC Volunteers: A. Preston, L. Cross

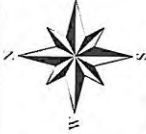
FWC LE: Lt. George Waldeck, Ofc. Bernie Bresie

SeaWorld Animal Care Staff

REC1210

Photographs: attached





# Verified Response Location of Manatee Rescue REC1210

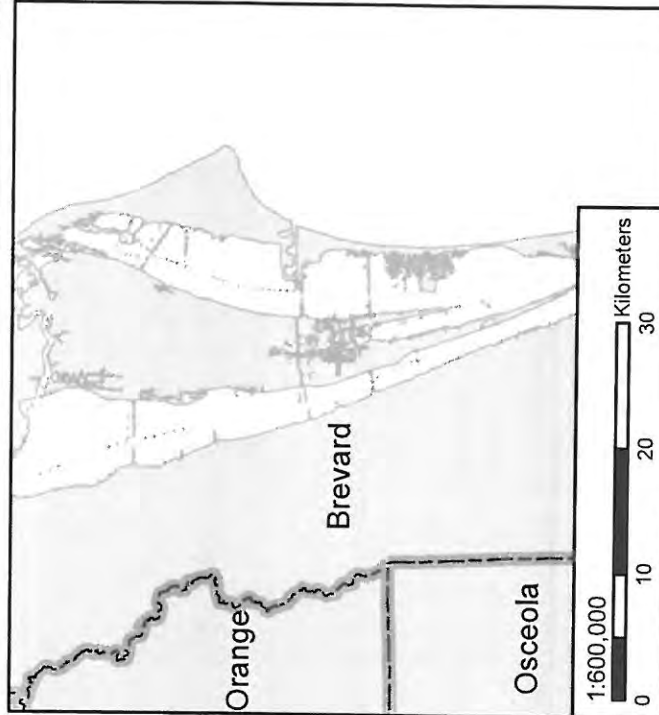
Rescue Date: 6/8/2012

Facility ID: SWFTm1212b

Map Created 1/21/2014



**Locality Description:**  
behind 1345 Mercury St



Latitude: 28.38004°N

Longitude: -80.69807°W



**Szemer, Donna**

**From:** Garrett, Andy  
**Sent:** Friday, June 08, 2012 12:45 PM  
**To:** Amy Teague ; Art Yerian; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; Boyd\_Blihovde@fws.gov; Cathy Beck; cbeck@usgs.gov; Craig Miller; Craig Pelton; curator@lowryparkzoo.com; deWit, Martine; Emma Jugovich; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Jacob, Katalin; Jim Valade; jim\_reid@usgs.gov; Jodi Tuzinski; jpowell@sea2shore.org; Knox, Carol; Laura Eldredge; Maya; Michael Boos; Michael\_Lusk@fws.gov; Mick Kapustin; Mike Walsh; Mosier, Andrea; mrossbtl@aol.com; Nicole\_Adimey@fws.gov; Pamela Sweeney; Quigley, Wendy; Ray.Ball@LowryParkZoo.com; rbonde@usgs.gov; Reinert, Tom; Robert Rose; Robert.Wagoner@seaworld.com; sbutler@usgs.gov; Segelson, Carli; 'Steven.Lehr@seaworld.com'; Susan.Lowe@dep.state.fl.us; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
**Subject:** Rescue Update

*Rescue/Rel  
5/2/12  
Entanglement  
Crab trap*

*(Birth on  
7/19/12  
SWFTM1212B  
REC1210)*

*SWFTM1212B  
REC1210*

The entangle manatee observed on Tuesday in Sykes Creek was just captured a little while ago. This rescue was delayed due to poor weather conditions over the past few days. The entanglement was severe and it sounded like the flipper was not attached to the body by much tissue so the manatee is being taken to Sea World for treatment. Thank you to all who were involved.

-Andy

**From:** Garrett, Andy  
**Sent:** Tuesday, June 05, 2012 12:07 PM  
**To:** 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill.Hughes@SeaWorld.com'; 'Boyd\_Blihovde@fws.gov'; 'Cathy Beck'; 'cbeck@usgs.gov'; 'Craig Miller'; 'Craig Pelton'; 'curator@lowryparkzoo.com'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Jacob, Katalin; 'Jim Valade'; 'jim\_reid@usgs.gov'; 'Jodi Tuzinski'; 'jpowell@sea2shore.org'; Knox, Carol; 'Laura Eldredge'; 'Maya'; 'Michael Boos'; 'Michael\_Lusk@fws.gov'; 'Mick Kapustin'; 'Mike Walsh'; Mosier, Andrea; 'mrossbtl@aol.com'; 'Nicole\_Adimey@fws.gov'; 'Pamela Sweeney'; Quigley, Wendy; 'Ray.Ball@LowryParkZoo.com'; 'rbonde@usgs.gov'; Reinert, Tom; 'Robert Rose'; 'Robert.Wagoner@seaworld.com'; 'sbutler@usgs.gov'; Segelson, Carli; 'Steven.Lehr@seaworld.com'; 'Susan.Lowe@dep.state.fl.us'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie  
**Subject:** Rescue Alert

**Sykes Creek:**

This morning, a VHF tag was attached to a crab trap entangled adult manatee in Sykes Creek. A rescue has been planned for tomorrow using a FWC and Sea World rescue crew. After an initial inspection of the flipper, it appears that the rope is not imbedding, but the water was turbid so Sea World is on stand-by to accept the manatee into captivity if entangled flipper requires treatment.

-Andy



**Manatee Information (MLog:1404 )**Animal ID:**SWFTm1212B** Sex:**F** Name:**Tm1212B** Rearing:**Wild reared**

-- Release Information -----

**Release Date:** 08/02/2012

-- Release Location Information -----

**Release Site:** Town and Country Home Park**State:** FL **County:** Brevard **City:** Merritt Island**Waterway:** Sykes Creek

-- Measurement -----

**Weight (kg):** 620 **Estimated Weight?:** No **Date Weighed:** 06/08/2012**Length (cm):** 302 **Estimated Length?:** No **Date Measured:** 06/08/2012

-- Other Release Information -----

**Display Water Type:****Release Water Type:****How many months has animal been exposed to release water type?****Is animal bottom feeding?****Has animal been exposed to natural vegetation?****Vegetation Type:****How many months has animal been exposed to vegetation?****Tracker:** Sea2Shore**Veterinarian:** Scott Gearhart**Organization:** SeaWorld Florida**Participating Org:** FWC-Indian River Field Lab SEA2Shore (Zack Johnson) SeaWorld Florida

**Additional Narrative:** Originally rescued 6/8/12 for entanglement, crab trap rope/monofilament on right pect (amputated) & monofilament on left pect. While in rehab she gave birth to live calf on 7/19/12. Both mom & calf doing well, both were released together. Mother is known through photo ID, was pit tagged the day of release and was belted & tagged by Sea2Shore in order to track her & calf for one (1) month.

-- Report Information -----

**Created By:** Bob Wagoner **Created Date:** 08/05/2012**Updated By:** D **Updated Date:** 08/05/2012*Entered*

## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Monday, August 06, 2012 9:39 AM  
**To:** Szemer, Donna  
**Subject:** RE: Releases of REC1210 and new calf (SWFTm1212 and SWFTm1213CB)

Yes, sorry- they were released off of Winar Dr., Merritt Island, Sykes Creek.

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

-----Original Message-----

**From:** Szemer, Donna  
**Sent:** Friday, August 03, 2012 4:58 PM  
**To:** Spellman, Ann  
**Subject:** RE: Releases of REC1210 and new calf (SWFTm1212 and SWFTm1213CB)

Were these animals released yesterday?

If so, can you send the release location info?

Thanks!

D.

*Entered*

-----Original Message-----

**From:** Spellman, Ann  
**Sent:** Thursday, August 02, 2012 12:47 PM  
**To:** Cathy A Beck; Szemer, Donna  
**Subject:** Releases of REC1210 and new calf (SWFTm1212 and SWFTm1213CB)

The CB is for Captive Born (calf)

REC1210/SWFTm1212 Female lost right flipper to mono and crab trap and yellow polypro.  
line entanglements, left flipper is scarred (likely still has mono in and around it)  
TL = 290cm Weight 1130lbs  
PIT Tags: L: 00-06F3-C947 R:00-06DF-26D1  
S2S tagged: Tag # 9102, yellow and blue w/ black antenna; yellow belt - VHF Freq: 866,  
Sonic:77

Calf/ SWFTm1213CB Male, TL = 128 cm Weight 125lbs  
NO PIT TAGS

Cathy- The photos are very large for some reason- do you want me to resize them before  
sending? Calf has no scars - do you still want photos?

*- Ann Spellman*

## Szemer, Donna

---

**From:** Nicole Adimey [nicole\_adimey@fws.gov]  
**Sent:** Tuesday, February 19, 2013 12:16 PM  
**To:** Wagoner, Robert C.  
**Subject:** RE: questions

Yes, that should have said SWF...there were several mistakes with the entire entry including the weight & length. I fixed them.

On another note....the migration of this DB has also come with some errors that I have found. If you find other one's (like the lil joe thing) pls let me know! I am working with the programmers to try and fix a few issues.

Thnx!

---

Nicole Adimey  
U.S. Fish and Wildlife Service-Coastal Program  
U.S. Fish and Wildlife Biologist  
7915 Baymeadows Way, Suite #200  
Jacksonville, Florida 32256  
Phone (Direct) 904.731.3079  
Phone (Main) 904.731.3336  
Fax 904.731.3045  
<http://www.fws.gov/northflorida>

---

**From:** Wagoner, Robert C. [mailto:Robert.Wagoner@SeaWorld.com]  
**Sent:** Tuesday, February 19, 2013 11:55 AM  
**To:** Nicole Adimey  
**Subject:** RE: questions

The mom's ( SWFTm1212B) release wt was 1,140 lbs (518 kg) and her TL was 302 cm. Question for you, in the DB it shows SWFTm1212B under release history details being released from MMPL, shouldn't that be SWF?

Thanks.

---

**From:** Nicole Adimey [mailto:nicole\_adimey@fws.gov]  
**Sent:** Tuesday, February 19, 2013 11:33 AM  
**To:** Wagoner, Robert C.  
**Subject:** RE: questions

Duh! I know this! The 1404..is the mlog for SWFTm1212...the mom & calf...sorry for the brain fart! So, can you give me her release weight & length, the state had different number.

---

Nicole Adimey  
U.S. Fish and Wildlife Service-Coastal Program  
U.S. Fish and Wildlife Biologist  
7915 Baymeadows Way, Suite #200  
Jacksonville, Florida 32256  
Phone (Direct) 904.731.3079  
Phone (Main) 904.731.3336  
Fax 904.731.3045



FRIDAY, JUNE 15, 2012

## Rescued Merritt Island Manatee Is Pregnant



ORLANDO, Florida — An injured manatee that was rescued by SeaWorld Orlando on June 8 was determined to be pregnant during a recent ultrasound procedure by the park's animal care team.

The manatee has been receiving extensive care at SeaWorld Orlando for injuries sustained from entanglement. Due to her large size, the veterinary team performed an ultrasound and discovered that she is pregnant. It is unknown exactly how far along in her pregnancy she is. The gestation period for a manatee is approximately 12 months.



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On June 8, SeaWorld's animal rescue team rescued the 10-foot manatee from Sykes Creek in Merritt Island, Fla. The manatee had severe injuries to its right flipper caused by a tightly wrapped crab trap line. Fishing line was also wrapped around both of its flippers. Weighing nearly 1,400 pounds, the adult female was transported by the animal rescue team to SeaWorld Orlando for further evaluation and care. After assessment, its right flipper was amputated and bandaged. She is in overall good condition and her health continues to improve.

*SeaWorld's animal rescue team is on call 24/7 to save and care for injured, orphaned or ill animals. So far in 2012, SeaWorld Orlando has rescued 13 manatees.*

All manatee rescue footage produced by SeaWorld under FWS Permit Number MA7701911.

IMAGE AND VIDEO CREDIT: SeaWorld

RELATED STORY: [SeaWorld Rescues Injured Manatee In Merritt Island](#)



Posted by Brevard Times at 3:06 PM

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## Rescued manatee gives birth to calf at SeaWorld Orlando

The manatee looked a tad plump, so SeaWorld veterinarians gave her a sonogram, confirming what they'd suspected. Six weeks later, this past Wednesday, the pregnant manatee rescued last month from Sykes Creek gave birth to a calf. Veterinarians aren't sure yet of its gender.

Now, the newborn's nursing and bonding with mama manatee in a SeaWorld pool.

SeaWorld's Animal Care team captured the 10-foot-long mother manatee June 8 in Sykes Creek in Merritt Island, after the sea cow had suffered severe injuries to her front right flipper. The flipper injuries were caused by a crab pot line, SeaWorld officials said. Fishing line also was wrapped around both of the animal's front flippers.

The adult, weighing nearly 1,380 pounds, was transported to SeaWorld Orlando for care. Her front right flipper was amputated and bandaged and the manatee received antibiotics.

Based on her size, SeaWorld's veterinary team had suspected the manatee could be pregnant. A sonogram later confirmed the pregnancy, and six weeks later the calf was born.

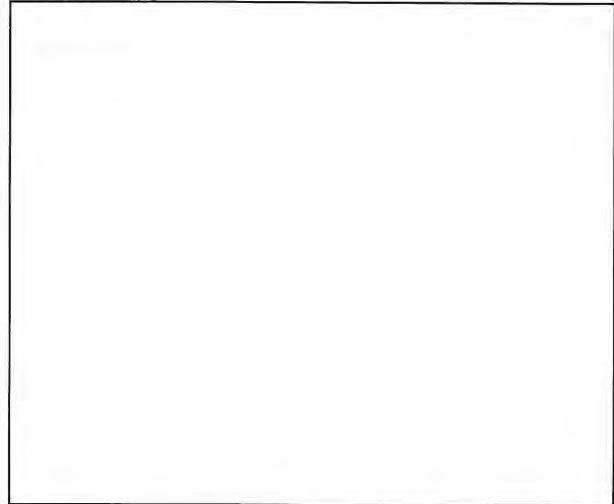
Mother and calf will be released back to Brevard County waters as soon as the pair have sufficiently bonded, SeaWorld officials said.



SeaWorld's Animal Rescue team traveled to Sykes Creek in Merritt Island, Fla., on June 8 to rescue the 10-foot manatee that had severe injuries to the front right flipper caused by a crab pot line.

Approximately six weeks after her rescue, rescued manatee gives birth to a calf at SeaWorld Orlando on the morning of July 18, 2012.

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SeaWorld's Animal Rescue team traveled to Merritt Island on June 8 to rescue a 10-foot manatee that had severe injuries caused by a crab pot line. About 6 weeks later, the manatee gave birth to a calf at SeaWorld on July 18. / SeaWorld Orlando

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Rescued manatee gives birth

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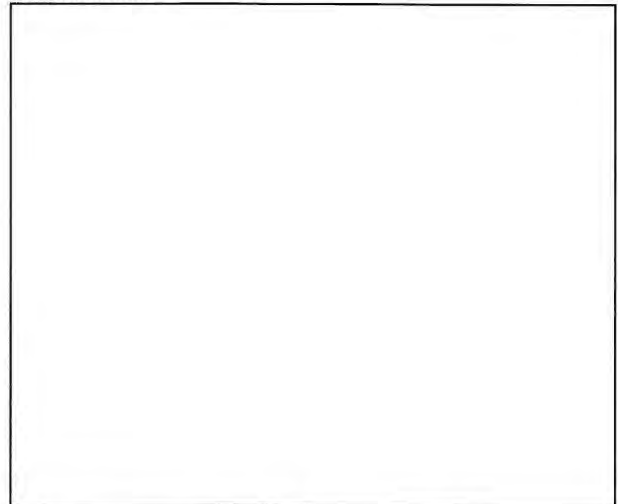
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July 23, 2012

## Rescued manatee gives birth to calf at SeaWorld Orlando

Manatee originally rescued from Merritt Island after crab pot line injury

*Jim Waymer*  
**FLORIDA TODAY**

The manatee looked a tad plump, so SeaWorld veterinarians gave her a sonogram, confirming what they'd suspected. Six weeks later, this past Wednesday, the pregnant manatee rescued last month from Sykes Creek gave birth to a calf. Veterinarians aren't sure yet of its gender.

Now, the newborn's nursing and bonding with mama manatee in a SeaWorld pool.

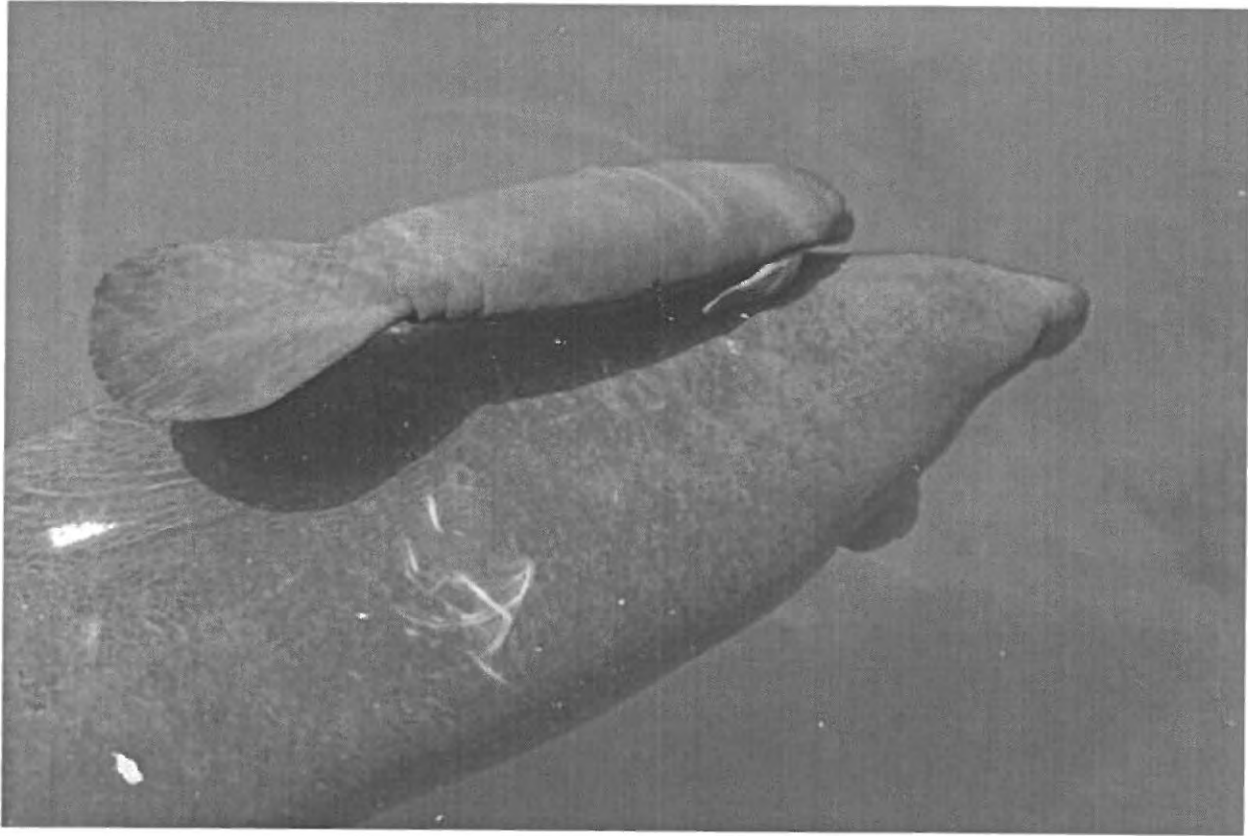
SeaWorld's Animal Care team captured the 10-foot-long mother manatee June 8 in Sykes Creek in Merritt Island, after the sea cow had suffered severe injuries to her front right flipper. The flipper injuries were caused by a crab pot line, SeaWorld officials said. Fishing line also was wrapped around both of the animal's front flippers.

The adult, weighing nearly 1,380 pounds, was transported to SeaWorld Orlando for care. Her front right flipper was amputated and bandaged and the manatee received antibiotics.

Based on her size, SeaWorld's veterinary team had suspected the manatee could be pregnant. A sonogram later confirmed the pregnancy, and six weeks later the calf was born.

Mother and calf will be released back to Brevard County waters as soon as the pair have sufficiently bonded, SeaWorld officials said.





Mom: SWFTM1212B  
Calf: SWFTM1213CB

## SeaWorld releases rescued manatee and her newborn calf

SeaWorld Orlando's Animal Rescue team traveled to Merritt Island to return a rescued manatee and her two-week-old calf to their natural environment. The pair was successfully returned to the waters of Sykes Creek, where mom was originally rescued.

The female manatee was pregnant when she was rescued about two months ago, and during her rehabilitation at SeaWorld Orlando gave birth to a healthy male calf.

Once the pair had bonded and the veterinary team confirmed that the calf was nursing, the park's animal experts felt the manatees had an excellent chance to survive on their own.

SeaWorld's ultimate goal is to return rescued animals to the wild once they are in good health.

### BACKGROUND

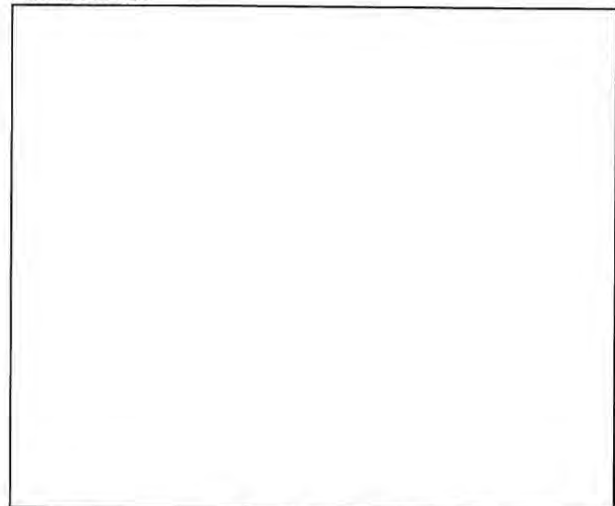
On June 8, 2012, SeaWorld's animal rescue team rescued the 10-foot manatee from Sykes Creek. She had severe injuries to her front right flipper caused by a crab pot line, and fishing line was also tightly wrapped around both of her front flippers.

Weighing nearly 1,380 pounds, the manatee was transported by the rescue team to SeaWorld Orlando for further evaluation and care. After assessment, her front right flipper was amputated and bandaged. She received antibiotics and was treated for her injuries, and her health continued to improve.

Based on her size, SeaWorld's veterinary team suspected the manatee could be pregnant. After performing a sonogram procedure on the gentle giant, it was confirmed that she was pregnant and about six weeks later, the calf was born. SeaWorld Orlando's Animal Care team kept a close eye on the pair, to ensure they were both healthy enough for yesterday's return.

SeaWorld's animal rescue team is on call 24/7 to save and care for injured, orphaned or ill animals. So far in 2012, SeaWorld Orlando has rescued 12 manatees.

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Members of the SeaWorld Orlando Animal Rescue team work to release a manatee and her 2-week-old calf, see above, back into the wild on Thursday.



Zoom

Members of the SeaWorld Orlando Animal Rescue team release a 2-week-old manatee calf and its mother back into the wild on Thursday. / SEAWORLD

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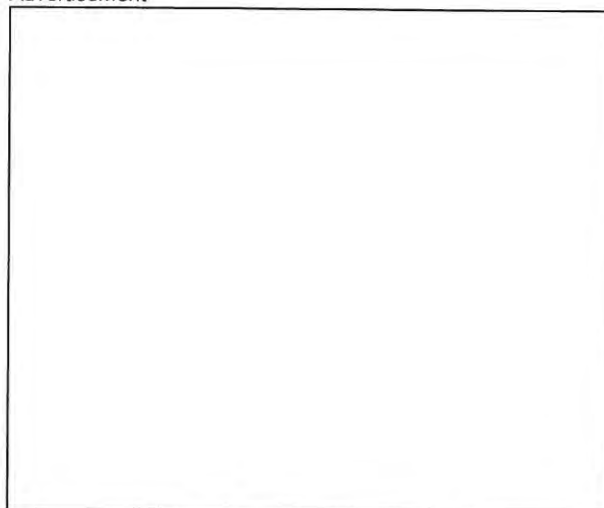
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SeaWorld Orlando: Rescued manatee, now with newborn, returns home

SeaWorld Orlando — posted by dewayne bevil on August, 14 2012 10:27 AM

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I'm still catching up after a few days off, but I wanted to share these pictures from SeaWorld Orlando and give an update on the manatee that was rescued — then gave birth at SeaWorld.

Both mother and her male calf have been returned to Brevard County's Sykes Creek, where the adult manatee was found with flipper injuries in June. SeaWorld officials suspected she was pregnant because of her size — more than 1,300 pounds — and that was confirmed via sonogram.

Six weeks later, her calf was born, and the duo remained under observation of SeaWorld's animal-rescue team until Aug. 2, when they were transported back to Sykes Creek.



After a mother-offspring bonding period, veterinaries determined that the calf was nursing, and it was decided the manatees could likely survive on their own.

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Dewayne Bevil  
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Before releasing the mom, a microchip with an ID number is put under her skin. Non-toxic paint marks the animals so that can be spotted while swimming, and a harness put around the adult's paddle is tracked by a satellite.

#### Add a comment

File under: manatees, SeaWorld Orlando

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Field ID TBC077 SWATH1212B Location Meritt Island # capture attempts 1  
 Name Sally Sex F Lat/Long 28° 22' 46.26" 80° 41' 49.60" 1st set time 10:30 AM  
 Freeze brand None Water Temperature 34°C On boat time 10:30 AM  
 Date 8/2/2012 Air Temperature 93°F Release time 10:30 AM  
 Rescue History: Rescue entanglement deced; calf in captivity Recorder Zack Johnson

Morphometrics Rescue Sykes Creek 6/8/12 NW stand/calf born 7/19/12 SWATH1213

Weight (lbs)		Last Capture Weight		Release Weight	<u>1140</u>
Stretcher weight		Last Weight Loss %		Last Weight loss %	
Weight w/stretcher		Last Capture Date		Release Date	<u>8/2/12</u>

Total straight length (cm)	<u>290 cm</u>	Total curvilinear length (cm)	<u>320 cm</u>
Length snout to Axilla	<u>—</u>	Girth at Axilla (actual or 1/2)	<u>—</u>
Length snout to Umbilicus	<u>150 cm</u>	Girth at Umbilicus (actual or 1/2)	<u>224 cm</u>
Length snout to Anus	<u>180 cm</u>	Girth at Anus (actual or 1/2)	<u>176 cm</u>
Length snout to Peduncle	<u>215 cm</u>	Girth at Peduncle (actual or 1/2)	<u>115 cm</u>

Calf length  
120cm  
95 lbs  
Male

### Ultrasound

Reader:		Scano	Reader:	
w / standoff		Center	10 cm off (R or L)	
/	1 Umbilicus	/	/	
/	2	/	/	
/	3	/	/	
/	1 Anus	/	/	
/	2	/	/	
/	3	/	/	
/	1 Peduncle	/	/	
/	2	/	/	
/	3	/	/	

### Telemetry

Tag Number	<u>9102</u>
Tag Color(s)	<u>Yellow-Blue</u>
Tag Antenna Color(s)	<u>Black Antenna</u>
Tag VHF Frequency	<u>866</u>
Tag Sonic	<u>77</u>
Tether Strength	<u>53</u>

Belt Color	<u>Yellow 44</u>
Webbing exposed	<u>2.5"</u>
Knot on which side:	<u>Left</u> Right
Belt Number	<u>149</u>
Belt Sonic	<u>177 S-S-8-7 @ 72</u>
Tagged by / Verified by:	<u>Zack Johnson</u>

### PIT Tag

Scanned for PIT Tags	<u>yes</u> no
PIT Tagged at Capture	<u>yes</u> no
PIT Tagged by:	<u>JP</u>

Left #	<u>00-06F3</u> <u>C947</u>
Right #	<u>00-06DF</u> <u>26D1</u>

### Diagnostic Samples

Milk	yes <u>no</u>
Urine	yes <u>no</u>
Fecal	yes <u>no</u>
Skin	yes <u>no</u>
Blood	yes <u>no</u>

Sample(s) sent to:	<u>—</u>
Sample(s) sent to:	<u>—</u>
Sample(s) sent to:	<u>—</u>
Sample(s) sent to:	<u>—</u>
Sample(s) sent to:	<u>—</u>



Field ID: TBC077

Name: Sally (Mustang)

Date: 8-2-12

**Blood**

Time drawn	—	Drawn by:	—	Total cc drawn	—
------------	---	-----------	---	----------------	---

Tubes Collected (# vials):

No additive (red)	—
EDTA (purple)	—
Citrate (blue)	—

Heparin (green)	—
No additive (yellow)	—
Other	—

Capture Site - Blood Parameters:

Creatinine	—
Lactic Acid	—
Glucose	—

pH	—
HCO3	—
PCO2	—

O2 saturation	—
PO2	—
Other	—

Lab Analysis:

CBC	—
Chemistry	—

Bank Sample (serum, plasma)	yes	no
Bank Sample Volume (cc)	—	—

Diagnostic Laboratory:

Heart Rate	—
Temp	—

Other Diagnostic Tests Submitted:

**Condition Assessment**

Pregnant	yes	no
Lactating	yes	no

Describe Observation:	release w/ 2 wlc old calf
Assessed by:	JP

Body Score	1	2	3+	4	5
Assessed by:	Z Johnson				

Overall Condition	Poor	Fair	Good	Excellent
Assessed by:	JP			

**Veterinary Assessment**

Veterinarian:

Physical Exam:

~~Missing right pec~~ Missing right pec / bone showing  
left pec also had been entangled.

Diagnostic Testing Interpretation:

Overall Assessment:

# Rescue Report

Updated  
9/4/12  
BJS

1/31/12  
Entanglement  
other  
(Rope)

## GENERAL:

Date of Rescue: 10 June 2012	Date of Initial Call: 10 June 2012	Filed by: A. Spellman
Rescue ID#: REC1211	Facility ID: N/A	FWC Case: N/A
Officer Name: N/A		
Sex: Unknown	Length: 215	Estimated: Yes
PIT Tag Present: Unk.	PIT Tag Applied: No	#R L
LOCATION:		
State: FL	City: Vero Beach	County: Indian River
Waterway: Indian River		
Latitude (Decimal Degrees): 27.56134° N	Longitude (Decimal Degrees): -80.32848° W	
Locality Description: Approximately 30m N of Round Island Park (2200 S. Highway A1A) at the southern dock		
Method of Capture: Assisted release		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line ☐ Hook  
☐ Net ☐ Buoy  
☒ Polyprop/Nylon Line ☐ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:** Wrapped around body just behind flippers

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☒ Y ☐ N

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Rescue Report

Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

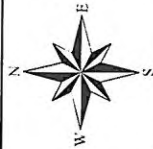
Date	Narrative
10 June 2012	<p>The following narrative was provided by kayak guide Wayne Dodge who conducted a successful citizen rescue of an entangled sub-adult manatee:</p> <p>“I was helping [FWC volunteer] Steve Cox with a kayak tour at Round Island Park on June 10th when a man came over to us and said there was a manatee over by the boardwalk that had a rope wrapped around it. My kayak was still in the water so I paddled over to that area. Just as I got there two manatees came up about 5 feet away. I could see the rope on one of them. As they rolled over they moved towards me and the loose end of the rope was right next to my kayak. I took the rope and gently pulled as the manatee rolled over again and the rope just came off as it rolled. The rope was about 20 feet long and only about 1/4 inch thick.”</p>

#### Participants

Citizen: Wayne Dodge

REC1211





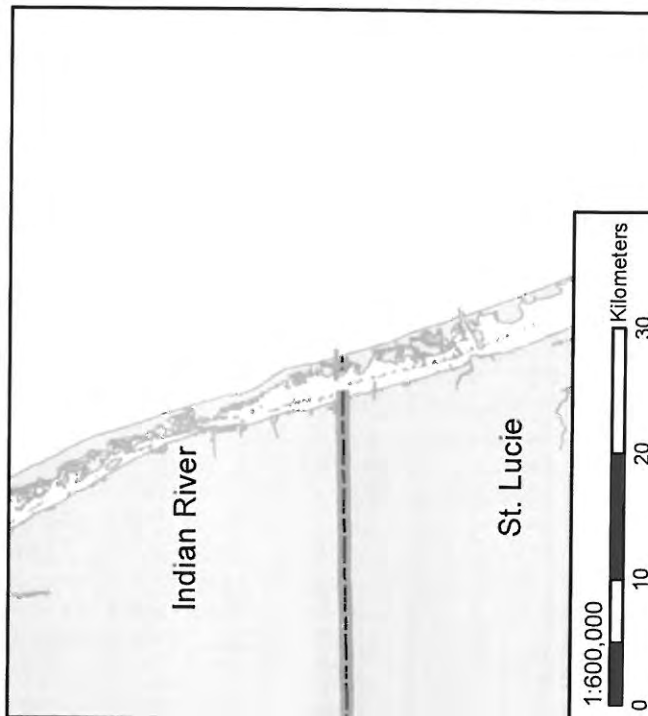
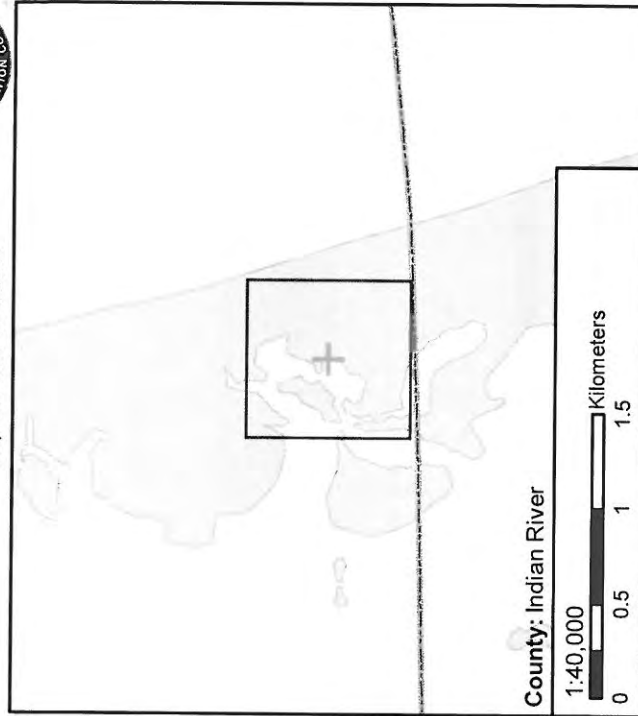
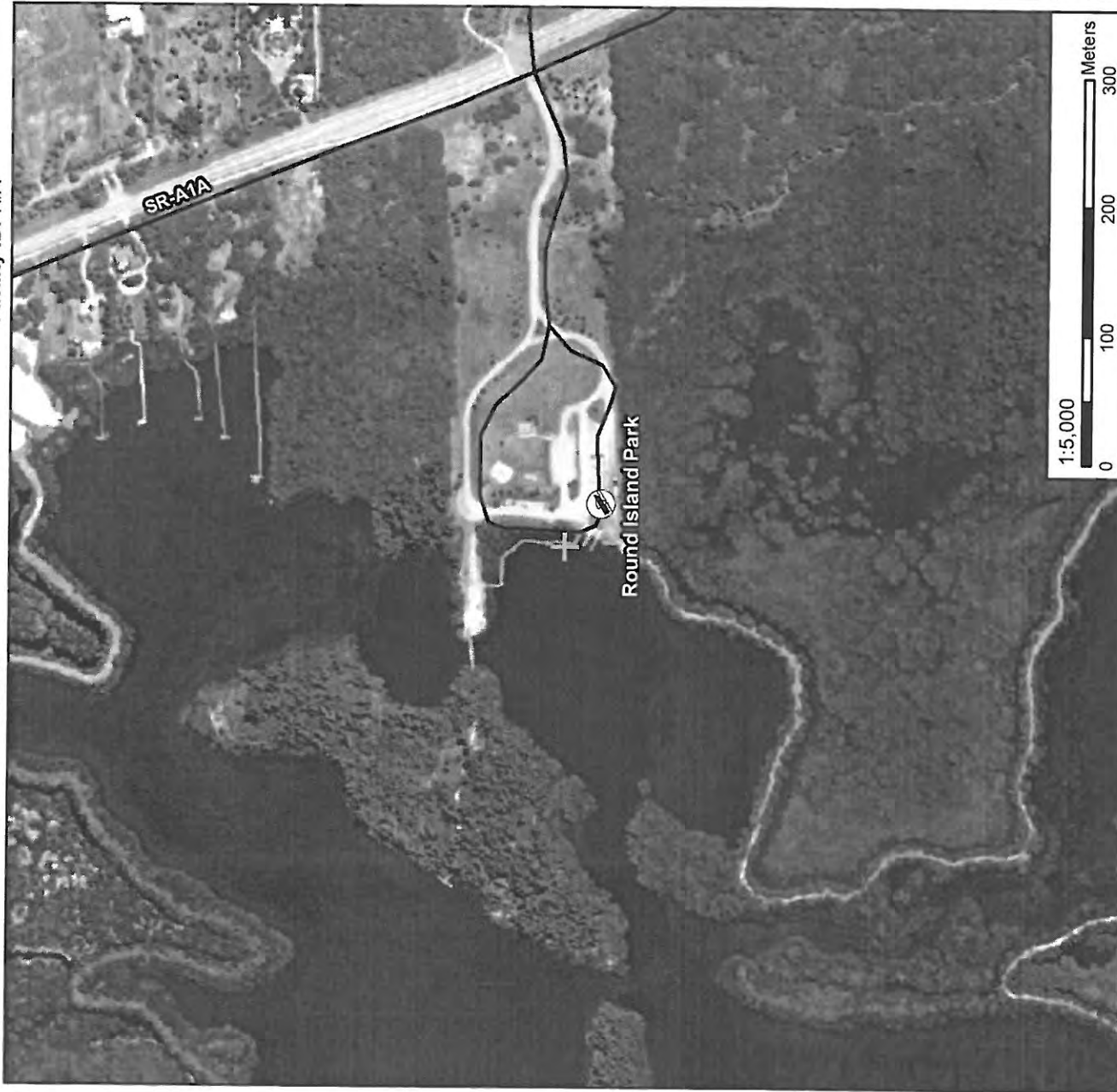
# Verified Response Location of Manatee Rescue REC1211



Rescue Date: 6/10/2012

Facility ID: N/A

Map Created 1/21/2014



## Locality Description:

Approximately 30m N of Round Island Park (2200 S. Highway A1A) at the southern dock

Latitude: 27.56134°N

Longitude: -80.32848°W

Updated  
9/5/12  
SS

"Holly"  
Entanglement  
(Pet)

## GENERAL:

Date of Rescue: 04 July 2012	Date of Initial Call: 04 July 2012	Filed by: C. Rush
Rescue ID#: REC1213	Facility ID: N/A	FWC Case: 7254
Officer Name: N/A		
Sex: Female	Length: 330 cm (taken on 12 Aug 2011)	Estimated: Y
PIT Tag Present: N/A	PIT Tag Applied: No	#R 00-01D1-FA55
		L 00-06DE-A501 (2011)
LOCATION:		*L 00-01D3-6653 (1996)
State: FL	City: Grant	County: Brevard
		Waterway: Indian River
Latitude (Decimal Degrees): 27.958562° N		Longitude (Decimal Degrees): -080.538896° W
Locality Description: Across from 3800 US Highway 1, approximately 30 meters south of the dock, near shore.		
Method of Capture: Citizen used a knife to disentangle "Holly" from a cast net.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft
 ☒ Entanglement
 ☐ Entrapment
 ☐ Orphan
 ☐ Cold Stress  
☐ Red Tide
 ☐ Other: (Specify):

## Entanglement

**Gear Type:** (Check all that apply)

- ☐ Monofilament Line
 ☐ Hook  
☒ Net
 ☐ Buoy  
☐ Polyprop/Nylon Line
 ☐ Trap  
☐ Sinkers
 ☐ Other (Specify)

**Location of Entanglement:** tracking device

**If Crab Pot:**

Float#: Color: Line Type:

**Damage from Gear:**

- ☒ No Damage
 ☐ Abrasions  
☐ Breaking Skin Surface
 Depth of Entanglement Penetration: \_\_\_ cm

Comments:

Gear Retained? ☒ Y ☐ N

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Rescue Report

Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
04 July 2012	At 1733 hrs, on-call FWC-biologist Denise M. Boyd (DMB) received a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee in Grant. FWC case number 7254 was assigned. The complainant originally informed DMB that a beached manatee was in distress and caught in a net with a buoy. DMB determined that it was a telemetry tag on the manatee known as "Holly." According to the complainant, there were several other manatees in the area and the tag and net had been removed from the manatee. DMB contacted FWC-biologist Christine N. Rush (CNR) to inform her of the situation. CNR contacted the complainant to set up a time to meet the following day to recover the tag for Sea To Shore Alliance (S2S). CNR asked the complainant if the net was retained, but she said it was on the bottom of the river, but close to shore in the shallows.
05 July 2012	<p>At 0800 hrs, CNR met the complainant at the Honda Dealership where the complainant works to recover the tag. Afterwards, CNR, FWC-biologist Jaclyn E. Ludema (JEL), and S2S-Brenden Beard (BB) searched the disentanglement area for the cast net. The net was found and photographed. No manatees were in the area. BB searched for the manatee using the sonic frequency on the belt, but was unable to locate her.</p> <p>*It is unclear if the net was wrapped around the tracking device or wrapped around the manatee's body as details of the complainant's story were not consistent from Dispatch to DMB, or to CNR. CNR was unable to obtain the person's information that actually cut the net and tag off. The tag and tether were recovered, but not the belt.</p>

#### Participants

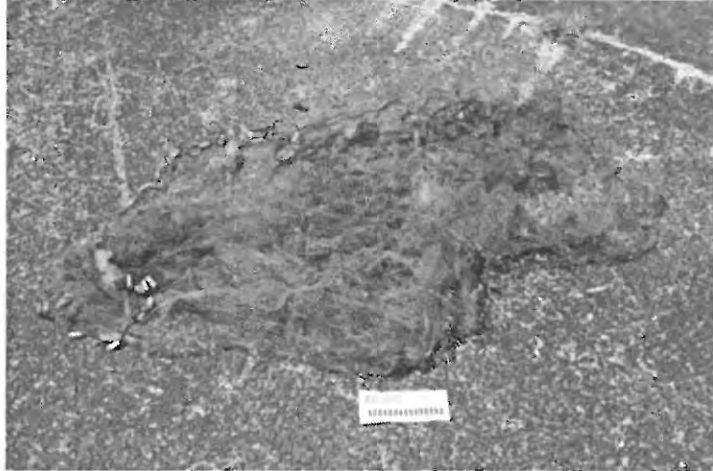
Citizen rescue

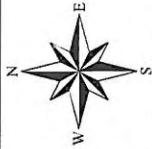
REC1213

Photographs: attached



## Rescue Report



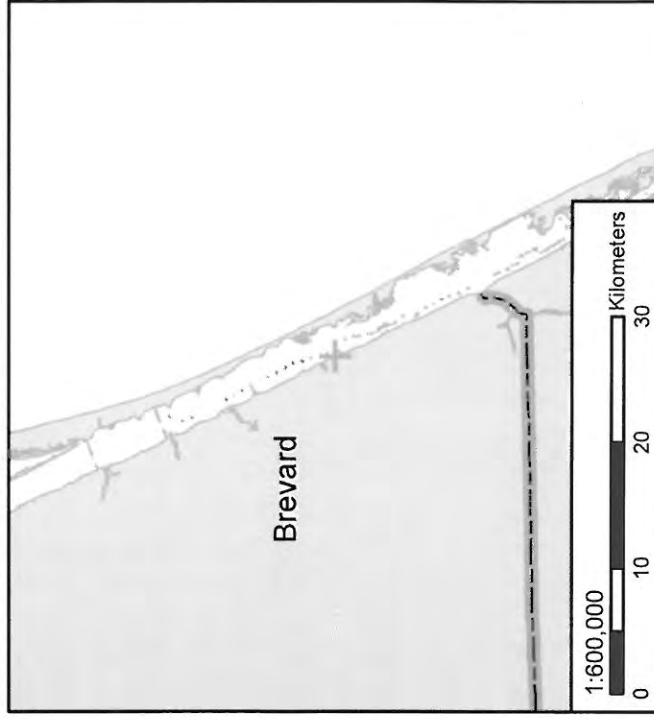
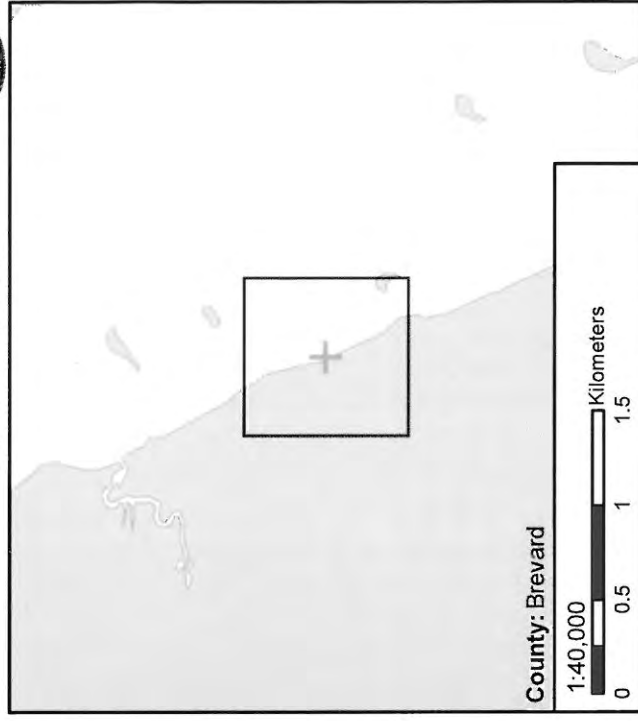


# Verified Response Location of Manatee Rescue REC1213

Rescue Date: 7/4/2012

Facility ID: N/A

Map Created 4/22/2014



## Locality Description:

across from 3800 US Hwy 1, approximately 30 m S of dock, near shore

Latitude: 27.95856°N

Longitude: -80.53889°W

Host + Kel

Entered/Updated  
12/31/12  
JSS

Entrapment  
Human  
Structure

## GENERAL:

Date of Rescue: 20 July 2012 Date of Initial : 20 July 2012 Filed by: J. Ludema  
Rescue ID#: REC1214 Facility ID: FWC Case: 8024 Officer Name: N/A  
Sex: Unknown Length: 335 cm Estimated: Yes  
PIT Tag Present: Unk. PIT Tag Applied: No #R L  
LOCATION:  
State: FL City: Oak Hill County: Volusia Waterway: Mosquito Lagoon  
Latitude (Decimal Degrees): 28.825167°N Longitude (Decimal Degrees): -80.857132°W  
Locality Description: Inside culvert in front of 960 Watson Stanley Road  
Method of Capture: Citizen rescue

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft ☐ Entanglement ☒ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Entrapment-Human Related

Describe: According to the complainant, the manatee was trapped inside the culvert in 15 cm of water, unable to move back or forward. The culvert was approximately five meters long, and the manatee was trapped in the middle.

## Other

Describe:

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
20 July 2012	<p>At 1438 hrs, FWC-biologist Jaclyn E. Ludema (JEL) received a Nextel alert from FWC NE Dispatch-Orlando regarding a trapped manatee in Oak Hill. FWC case number 8024 was assigned. The complainant, Tim Watson (386-345-0741), found the manatee inside the culvert under his driveway at 960 Watson Stanley Road. According to the complainant, the manatee was stuck in the middle of the five meter long culvert, in 15 cm of water and was unable to move backwards or forwards. The complainant advised JEL that the manatee had been stuck in the culvert for hours, and the complainant had not known who to call in this situation. JEL informed the complainant that she would be there within the next half hour, as she was in route to another call in the area. 1545 hrs, JEL received a second text alert from Dispatch who informed JEL that the complainant had moved the manatee out of the culvert. 1555 hrs, JEL arrived on site and met the complainant. The manatee was no longer in the area. JEL took photographs of the rescue site and requested the following statement from the complainant describing the citizen rescue.</p> <p>Tim Watson-</p> <p>"My brothers and I were out in the yards and we heard a lot of splashing out in the river. We went to the river and saw about 10 manatees swimming close to the culvert pipe under our driveway. I looked down into the pipe and I saw a huge manatee, half way up the pipe. She was sitting in shallow water and couldn't move forward or backwards. We called FWC and got in contact with the biologist. We were concerned that she would not get up here fast enough, and decided to try to help the manatee ourselves. My brothers David Kevin Watson and Kenneth Watson and I went behind the manatee and grabbed its tail. The manatee helped us move her by pushing back on her front flippers. We dragged her out and she splashed back into the water. She was able to swim off. The biologist arrived ten minutes after the rescue, and we told her our story."</p>

### Participants:

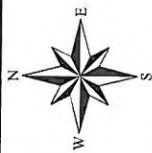
Citizens: Tim Watson, David Kevin Watson, Kenneth Watson

REC1214

Photographs: attached







# Verified Response Location of Manatee Rescue REC1214



Rescue Date: 7/20/2012

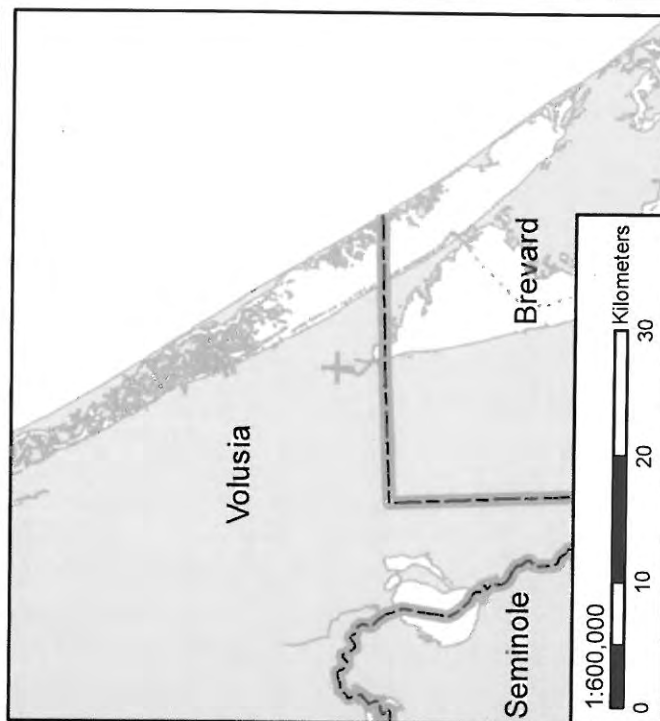
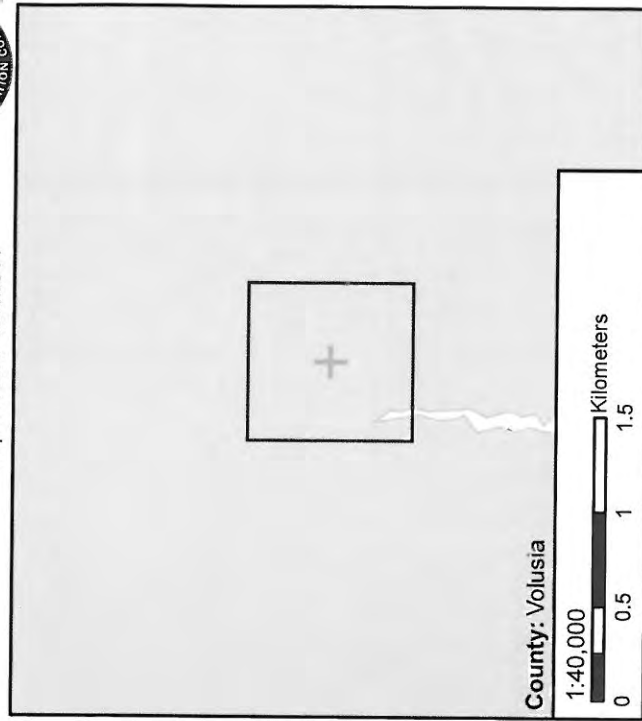
Facility ID: N/A

Map Created 4/22/2014



**Locality Description:**

inside culvert in front of 960 Watson Stanley Road



Latitude: 28.82515°N

Longitude: -80.85712°W

Asst. & Rel

Updated  
1/2/13  
JJS

Entanglement  
rep

## GENERAL:

Date of Rescue: 12 August 2012	Date of Initial : 12 August 2012	Filed by: J. Ludema
Rescue ID#: REC1215	Facility ID: N/A	FWC Case: 9142
Officer Name: N/A		
Sex: Unknown	Length: ~ 245 cm	Estimated: Yes
PIT Tag Present: Unk	PIT Tag Applied: No	#R L
LOCATION:		
State: FL	City: Merritt Island	County: Brevard
Waterway: Banana River		
Latitude (Decimal Degrees): 28.435346° N	Longitude (Decimal Degrees): -80.659611° W	
Locality Description: KARS Park boat dock		
Method of Capture: Line cut by hand.		

## REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Entanglement

**Gear Type:** (Check all that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> Monofilament Line              | <input type="checkbox"/> Hook           |
| <input type="checkbox"/> Net                            | <input type="checkbox"/> Buoy           |
| <input checked="" type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap           |
| <input type="checkbox"/> Sinker                         | <input type="checkbox"/> Other (Specify |

### Location of Entanglement:

A polypropylene rope was tightly tied midway up the right flipper. A knotted loop kept the line tight around the flipper.

### If Crab Pot:

Float#: Color: Line Type:

### Damage from Gear:

- ☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm  
Comments:

Gear Retained? ☒ Y ☐ N

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
12 August 2012	At 1538 hrs, FWC-biologist Jaclyn E. Ludema (JEL) responded to a text alert from FWC NE Dispatch-Orlando regarding an entangled manatee in KARS Park. FWC case number 9142 was assigned. Dispatch informed JEL that a manatee was sighted swimming near the KARS Park boat ramp with fresh propeller wounds and a black rope wrapped around its flipper. The complainant, Mr. Wallace (757-894-5183) observed the manatee while launching his boat from the boat ramp. JEL attempted to speak to the complainant directly, but was unable to contact him with the given phone number. JEL and FWC-volunteer Daniel H. Neis (DHN) were responding to another call in Merritt Island, and decided to search the KARS Park area in hopes that the entangled manatee was still there. At 1605 hrs, DHN launched the kayak and searched the area. Due to pending foul weather, there was increased boat traffic at the boat ramp, stirring up the water and spooking the manatees, making it difficult to see any animals. JEL and DHN then placed a hose in the water to attract manatees to the dock. At 1635 hrs, the manatee with the entanglement and two others approached the dock. DHN used the hose to coax the entangled manatee closer, giving JEL a clear look at the entanglement and the wounds. The polypropylene rope was tight against the flipper but not restrictive. The propeller wounds appeared superficial and JEL concluded they posed no major threat to the overall health of the manatee. DHN and JEL quickly slipped into the water and waded towards the manatee. At 1645 hrs, DHN used the bear claw cutter to cut the line free from the flipper. No gear was left on the manatee.

### Participants:

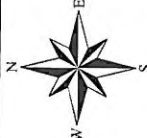
FWC EC: J. Ludema, D. Neis (volunteer)

REC1215

Photographs: Attached





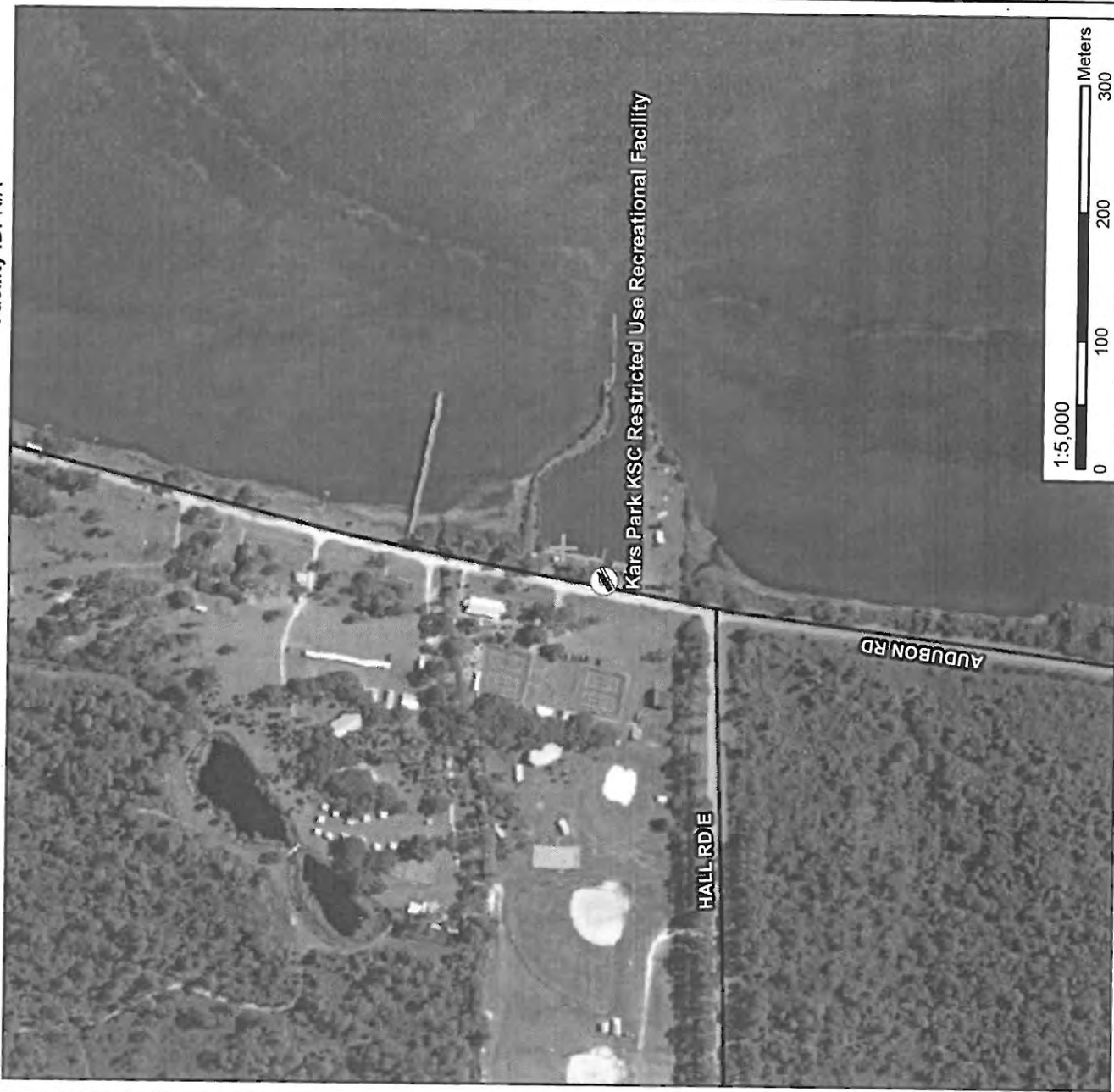


# Verified Response Location of Manatee Rescue REC1215

Rescue Date: 8/12/2012

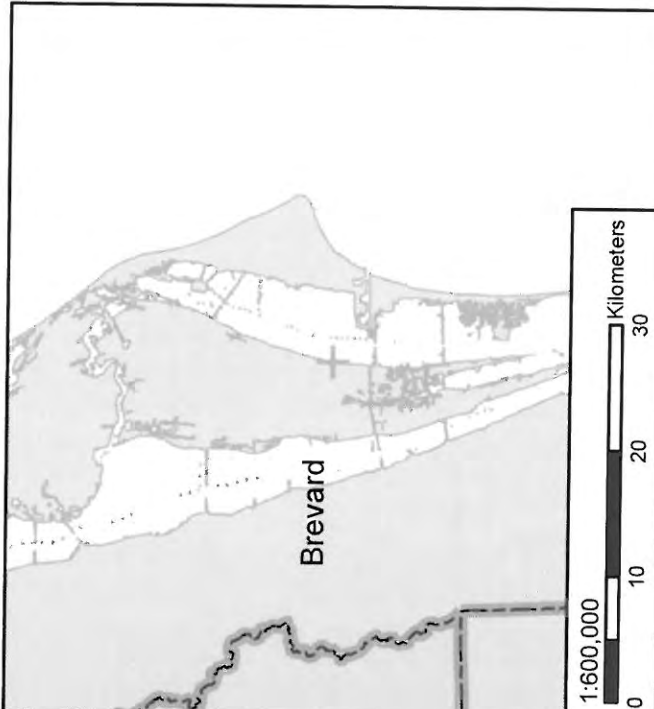
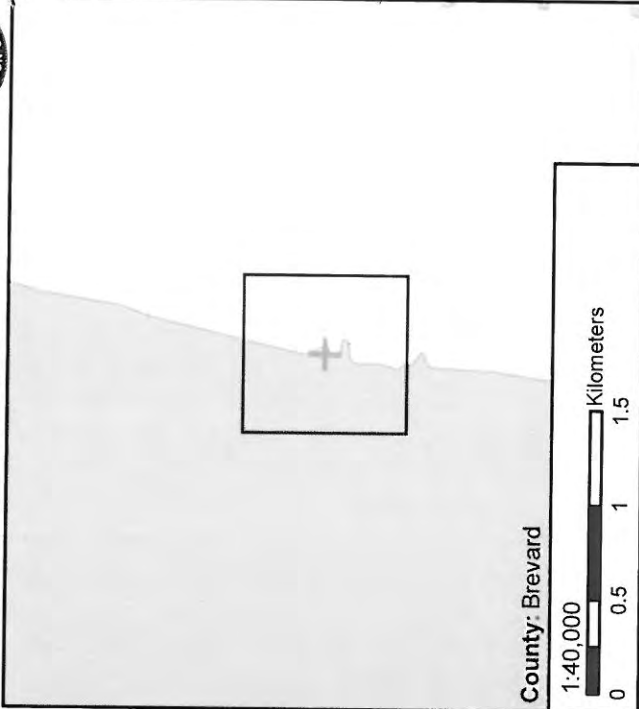
Facility ID: N/A

Map Created 4/24/2014



**Locality Description:**

KARS Park, 123 m NNE of the intersection of Hall Rd and Audubon Rd, in the middle of the 4th boat slip N of the ramp



Latitude: 28.43534°N

Longitude: -80.6596°W



Recs / Review  
8/28/12 / 8/13/13  
Watercraft

Updated 7/11/13  
DSS "Laces"

## GENERAL

Date of Rescue: 28 August 2012      Date of Initial : 24 August 2012      Filed by: C. Rush/ J. Ludema  
Rescue ID#: REC1216      Facility ID: SWFTm1214b      FWC Case: 9603      Officer Name: N/A  
Sex: Female      Length: 256 cm      Estimated: No  
PIT Tag Present:      PIT Tag Applied:      #R      L  
LOCATION:  
State: FL      City: Cocoa Beach      County: Brevard      Waterway: Banana River  
Latitude (Decimal Degrees): 28.31779° N      Longitude (Decimal Degrees): -80.61139° W  
Locality Description: behind 102 Sunset Dr  
Method of Capture: Net set off of land using boat.

## REASON FOR RESCUE

Check one of the following:

- ☒ Watercraft    ☐ Entanglement    ☐ Entrapment    ☐ Orphan    ☐ Cold Stress  
☐ Red Tide    ☐ Other: (Specify):

## Watercraft

Check one of the following:

- ☒ Propeller      ☒ Skeg      ☒ Suspected Impact

Describe: Multiple propeller wounds running down the longitudinal axis of the dorsum. Linear wound through last four prop marks. The manatee was listing 90°, left side high.

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
24 August 2012	At 1246 hrs, FWC-biologist Jaclyn E. Ludema (JEL) received a text alert from FWC NE Dispatch-Orlando regarding an injured manatee in Cocoa Beach. FWC case number 9603 was assigned. The complainant, Erin (321-783-1427), described a manatee that was floating 90 degrees, with the left side exposed. The complainant informed JEL that the manatee had been in the same area for a few days in a row and she was concerned. JEL and FWC-biologist Christine N.

25 August 2012	<p>Rush (CNR) responded to the scene by 1415 hrs. CNR contacted FWC-Andy J. Garrett (AJG) to inform him of the injured manatee and the need for a rescue. CNR then contacted SeaWorld-Steve Lehr (SL) to request assistance with the rescue. SL informed CNR that they were unable to assist since it was too late in the day. CNR inquired about the following day. SL requested that CNR contact SeaWorld-Randy Runnells (RR) the following day once the manatee was located.</p>
26 August 2012	<p>At 0900 hrs, JEL and FWC- volunteer Daniel H. Neis (DHN) launched kayaks from the complainant's property and began searching the area for the injured manatee. At 1115 hrs, JEL found the manatee in a nearby canal. JEL contacted CNR and asked her to contact the Sea World rescue crew and ECFL volunteers. At 1120 hrs, CNR contacted RR to inform him that the manatee had been located. After reviewing the weather report, the rescue was postponed. CNR informed AJG of the events that transpired and that the next rescue would be attempted on Tuesday due to severe weather expected on Sunday and Monday.</p>
27 August 2012	<p>Tropical Storm Isaac prevented any search or rescue efforts.</p>
28 August 2012	<p>At 0830 hrs, CNR and JEL launched the ECFL's Key West at Ramp Road, where they met ACS, FWC-volunteer Leo J. Cross (LJC), and FWC-volunteer Angela R. Preston (ARP). After searching the canals, the manatee was located at 1050 hrs. CNR contacted SL to inform him that the manatee was located. SL informed CNR that they were able to assist and that Animal Care Staff would be leaving shortly. ACS informed AJG that a rescue would be attempted with SeaWorld's assistance. CNR dropped off JEL and LJC at the boat ramp so they could assist the SeaWorld Crew with navigation to the canal where ACS and ARP were watching the manatee via land and kayak. At 1320 hrs, SeaWorld arrived at the Ramp Road Boat Ramp and JEL and LJC guided SeaWorld to the manatee. LJC was dropped off at the Key West with CNR and ARP. CNR, ARP, and LJC were sent back to the boat ramp since SeaWorld-JP insisted that they could not carry out the rescue without a stretcher. Once the Key West left, JP instructed JEL to launch the kayak and begin coaxing the manatee towards the rescue boat. The Sea World rescue crew then set the net against the canal wall and out into the middle of the canal. ACS and JEL used their kayaks to herd the manatee towards the net. The rescue boat then drove the remainder of the net around the manatee. At 1425 hrs, JEL and the Sea World crew pulled the manatee towards the canal wall, and then onto the rescue boat. The rescue boat then transported the manatee back to the Ramp Road boat ramp, arriving at 1445 hrs. CNR, ARP and LJC returned to the rescue site and</p>

picked up JEL and ACS and then returned to the Ramp Road boat ramp. At 1520 hrs, the Sea World crew loaded the manatee into the transport truck and transported it to Sea World.

Participants:

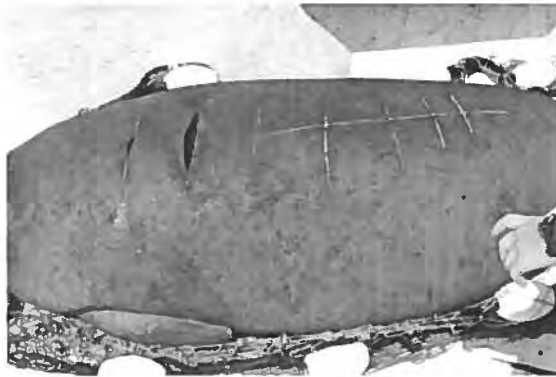
FWC EC: J. Ludema, C. Rush, A. Spellman

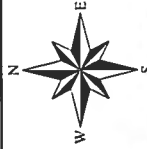
FWC Volunteers: L. Cross (Volunteer), A. Preston

SeaWorld Animal Care Staff

REC1216

Photographs: FWC025:2012-08-28\_4085 through 4099



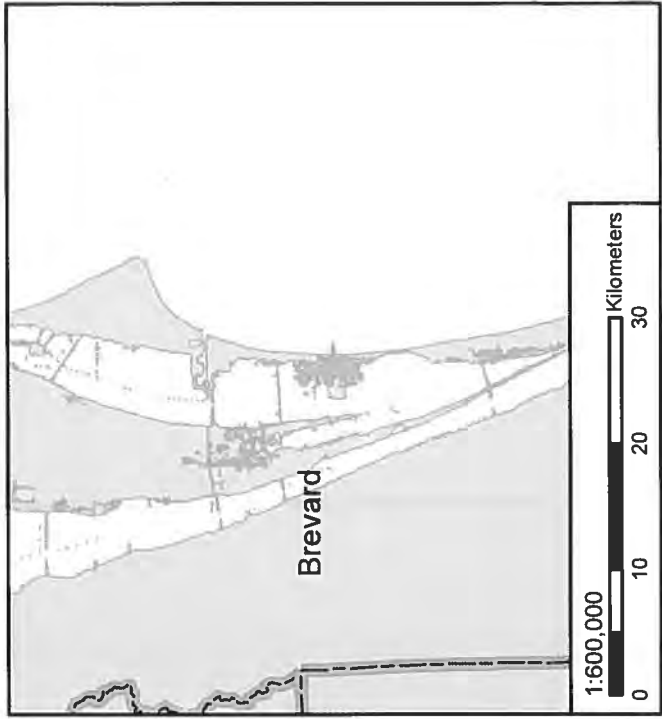
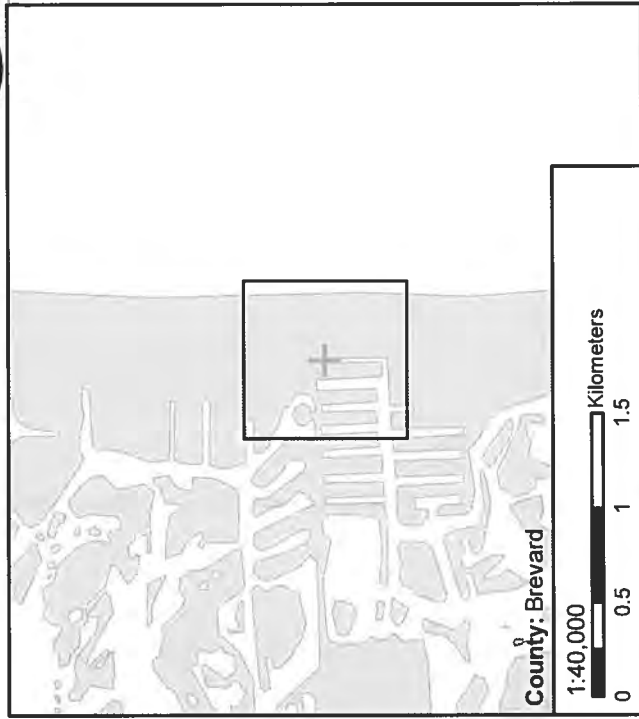
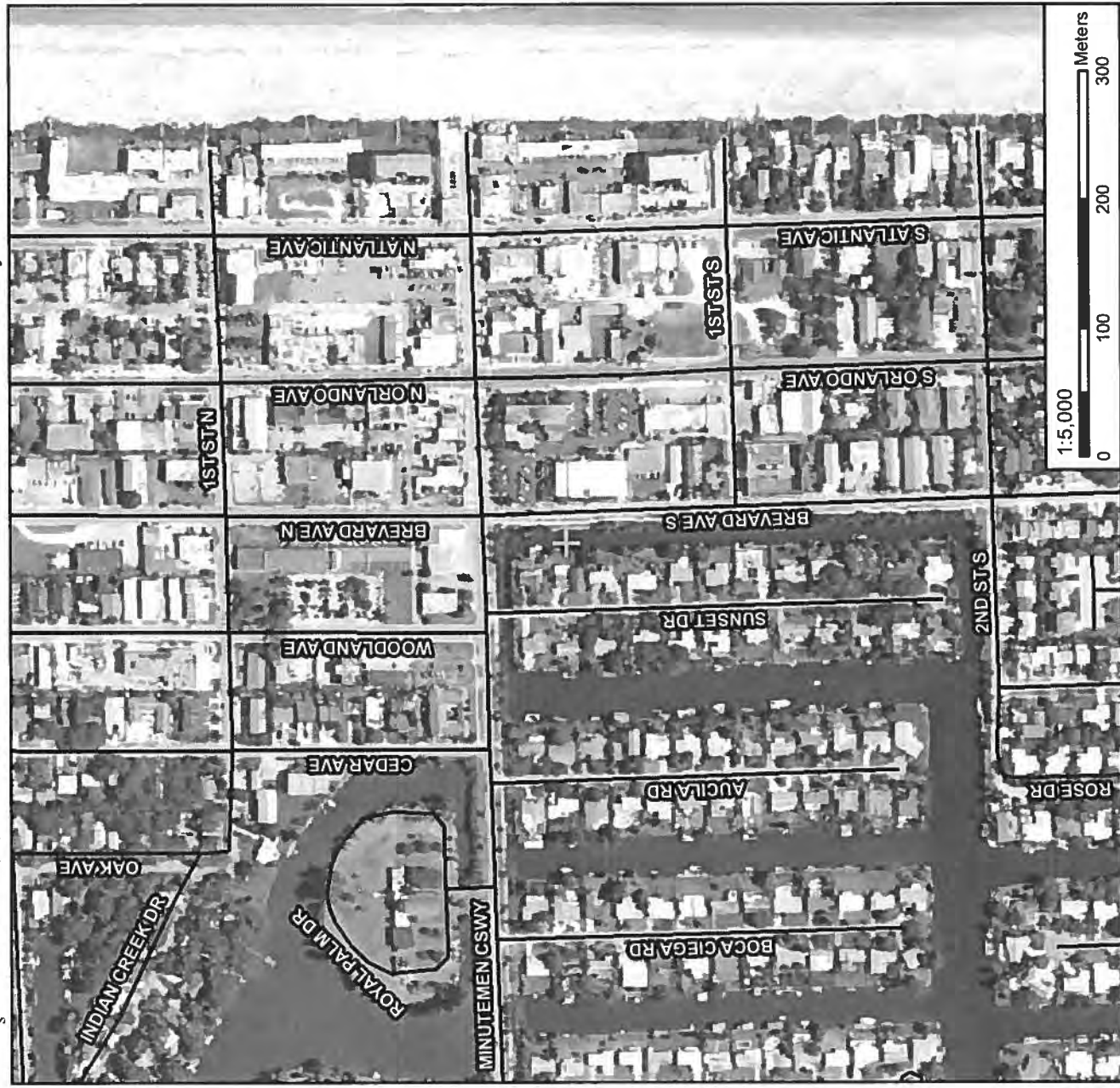


# Verified Response Location of Manatee Rescue REC1216

Rescue Date: 8/28/2012

Facility ID: SWFTm1214b

Map Created 4/24/2014



Locality Description:  
behind 102 Sunset Dr

Latitude: 28.31779°N

Longitude: -80.61139°W



**Florida Fish and Wildlife Conservation Commission**

**West Indian Manatee (*Trichechus manatus*)**

**(727) 896-8626**

Manatee ID: SWFTM1214B Temporary ID: REC1216 Time Net Set: \_\_\_\_\_  
 Name: Laces Date: 26 JUNE 2013 Time Captured(Onboard): NA  
 ID of its Calf / Mom: \_\_\_\_\_ Sex: M / (F) Time On Beach: \_\_\_\_\_  
 Location: Seaworld Latitude: NA N Longitude: NA W Time Released: \_\_\_\_\_  
 Event: Capture Rescue ☒ Pre-release Assess. Release Post-release Assess.  
 Air Temp = \_\_\_\_\_ C F Water Temp = \_\_\_\_\_ C F Wind: 0 mph Cloud Cover: S PC MC O R

<b>MORPHOMETRICS</b>	Weight: (lb or kg) <u>800* lbs</u>	Manatee + stretcher	Stretcher weight
<b>Lengths</b>	Total Length (curvilinear) (cm)	<u>289</u>	
	Total Length (straight)	<u>268</u>	<u>* zero'd out</u>
<u>Snout to axilla</u>	Snout to Peduncle	<u>198</u>	
<u>45cm</u>	Snout to Anus	<u>179</u>	
	Snout to Umbilicus	<u>91 cm</u>	
<b>Girths</b>	Girth at Peduncle: <u>actual</u> or 1/2	Ultrasound Loc:	cm Belt Loc: in
<u>measurements by J. Lidenz</u>	Girth at Anus: <u>actual</u> or 1/2	<u>146</u>	
	Girth at Umbilicus: <u>actual</u> or 1/2	<u>193</u>	
	Girth at Axilla: <u>actual</u> or 1/2	<u>140</u>	

<b>ULTRASOUND</b> <u>N/A</u>	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>

<b>CONDITION</b>	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>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> (describe in comments)
	Person(s) assessing condition: <u>A. SPILLMAN</u>

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

<b>SAMPLES</b> <u>N/A</u>	Milk sample collected? stored? <u>Y / N</u> Refrig / Freeze
	Volume of milk collected? / Teat? <u>ml / right left both</u>
	Person collecting milk?
	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:

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

Manatee ID SWFm1246 Manatee Name: LOCE8 Date: 26 JUNE 2013

<b>FREEZE BRAND</b>	Letters/Numbers applied:	Applied by:		
<u>NA</u>	Location:			
<b>BLOOD</b>	Stick #	Start Time	End Time	Flipper
<u>yes</u>	<u>see SWF records</u>	1		L / R
		2		L / R
		3		L / R
	Drawn by: <u>S. Gearhart DVM</u>			
	# Tubes of Blood Collected	Blue:	Red:	Purple:
		Green:	Yellow:	Other:
<b>PIT TAG</b>	Scanned for previous PIT tag?	PIT tagged at this capture? Y / (N)		
	PIT tagged by: <u>SWF</u>			
	Right #	<u>00 - 07 4 D - A 0 4 D</u> ✓		
	Left #	<u>00 - 07 4 E - C 6 3 4</u>		
<b>FLAG</b>	<u>NA</u>	Color and Symbol		
<b>TELEMETRY</b>	<b>TAG Type</b>	Argos-GPS / Lotek-GPS / PTT / VHF		
<u>N/A</u>	Tag ID#			
	Tag / Antenna Color(s)	Tag:	Antenna:	
	VHF Frequency	164. _____ MHz		
	Tag Sonic ID: FWC _____	Freq: _____ kHz	Code: _____	PI: _____ msec
	<b>BELT</b> 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: _____		
	<b>DATA LOGGERS</b>	Tidbit (Temp.)	TDR (Depth)	Salinity
	Manufacturer	Onset		Star-Oddi
	Logger ID Number			
	Logger Location			
	<b>TETHER</b> Strength / Length	Strength:	Length: ft.	
	Tagged by:			
<b>PHOTOGRAPHS</b>	Taken by:	<u>RUSH</u>		
	Exposures:	<u>FWC025 - 2013-06-26: 7264-7279</u>		
<b>SKETCHES</b>	Sketched by:			
<b>Comments</b>				

# FIELD SKETCH SHEET

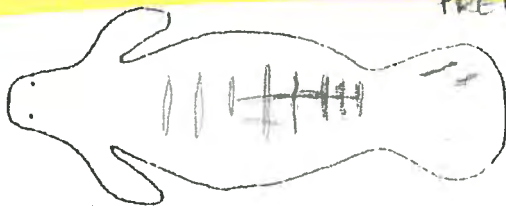
Date: 26 JUNE 2013

Location: SWF

Observer Code(s): SPELLMAN, CNR, JBL

Sighting Times: \_\_\_\_\_

PRE RELEASE HEALTH ASSESSMENTS



Field ID: 1 Size: CC - (SU) AA

Calf: WC WC? Why: \_\_\_\_\_

Sex: M F How determined: V NC

Exposures: FWC025-2013-06-26: 7261-7279

TL = 210.3 cm WT = 880# REC 1216

Cold exposure: Head: \_\_\_\_\_ Trunk: \_\_\_\_\_ Tail: \_\_\_\_\_

Comments: "LACES" SWFTM 1214b

PIT (1) 00-074E-0634 (2) 00-074D-A040

SCHEDULED FOR RELEASE



white patch on chest (ventrum)

Field ID: 4 Size: CC - (SU) AA

Calf: WC WC? Why: \_\_\_\_\_

Sex: M (F) How determined: V NC

Exposures: FWC025-2013-06-26: 7299-7318

TL = 254 WT = 775#

Cold exposure: Head: \_\_\_\_\_ Trunk: \_\_\_\_\_ Tail: \_\_\_\_\_

Comments: "KITTY" SWFTM 1219/REC 1222

PIT (1) 00-074F-PE72 (2) 00-0729-1516

SCHEDULED FOR RELEASE



Field ID: 2 Size: (CC) SU AA

Calf: WC WC? Why: \_\_\_\_\_

Sex: M (F) How determined: V NC

Exposures: FWC025-2013-06-26: 7290-7291

TL = NT WT = 585#

Cold exposure: Head: \_\_\_\_\_ Trunk: \_\_\_\_\_ Tail: \_\_\_\_\_

Comments: REC 1309 / SWFTM 1313

NOT PIT TAGGED YET

NOT SCHEDULED FOR RELEASE



→ Rel. 7/18/13

Field ID: 5 Size: (CC) 216 SU AA

Calf: WC WC? Why: \_\_\_\_\_

Sex: M F How determined: V NC

Exposures: FWC025-2013-06-26: 7314-7322

TL = 216 WT = 400#

Cold exposure: Head: \_\_\_\_\_ Trunk: \_\_\_\_\_ Tail: \_\_\_\_\_

Comments: "ASAHA" SWFTM 13078/REC 1303

PIT (1) 00-06E36 D23 (2) 00-074F-BB 1A

SCHEDULED FOR RELEASE → Rel 7/18



Field ID: 3 Size: (CC) 169cm SU AA

Calf: WC WC? Why: \_\_\_\_\_

Sex: M (F) How determined: V NC

Exposures: FWC025-2013-06-26: 7292-7298

TL = 169cm WT = 240#

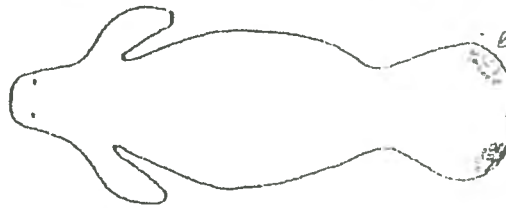
Cold exposure: Head: \_\_\_\_\_ Trunk: \_\_\_\_\_ Tail: \_\_\_\_\_

Comments: "ABIGAIL" SWFTM 1308/REC 1304

NO PIT TAGS YET HEALING CS lesions

NO SCHEDULED FOR RELEASE

Other Comments: PHOTOGRAPHER: CNR



headed small circular white spots

Field ID: 6 Size: (CC) 232cm SU AA

Calf: WC WC? Why: \_\_\_\_\_

Sex: M F How determined: V NC

Exposures: FWC025-2013-06-26: 7323-7328

TL = 232 WT = 640#

Cold exposure: Head: \_\_\_\_\_ Trunk: \_\_\_\_\_ Tail: \_\_\_\_\_

Comments: "BRAILLE" SWFTM 1218/REC 1221

PIT (1) 00-074F-0685 (2) 00-074F-DFE0

SCHEDULED FOR RELEASE

Sketches: SPELLMAN

→ Rel. 7/18/13

## Szemer, Donna

---

**From:** Spellman, Ann  
**Sent:** Tuesday, August 13, 2013 2:39 PM  
**To:** cathy\_beck@usgs.gov; MROSSBTL@aol.com  
**Cc:** Szemer, Donna  
**Subject:** Laces released today  
**Attachments:** FWC025\_2013-08-13\_7599.jpg; FWC025\_2013-08-13\_7600.jpg

Cathy- These are better scar photos for Laces than last month's (2 emails).

Laces weighed in at 955lbs today. She was released at Canaveral AF Station in the Banana River, Brevard at the AF Hanger by SWF. She was satellite tagged by Sea2Shore- Monica has all that info. and I sent out all the other info after the last HA. Monica- let me know if you need a copy of that report.

Ann C. Spellman  
Marine Mammal Biologist  
Florida Fish and Wildlife Conservation Commission Indian River Field Lab 1220 Prospect Ave.,  
Ste 285 Melbourne, FL 32901  
Phone: 321-953-5037  
Fax: 321-984-4824

[Ann.Spellman@MyFWC.com](mailto:Ann.Spellman@MyFWC.com)

[www.MyFWC.com](http://www.MyFWC.com)

"Speak the truth, even if your voice shakes." --Maggie Kuehn, Gray Panthers

Character is who you are when you think no one is looking.





"Laces"

Resc

## Szemer, Donna

**From:** Garrett, Andy  
**Sent:** Tuesday, August 28, 2012 3:03 PM  
**To:** Amy Teague; Art Yerian; Baxter, Kevin; Bill Hughes; Boyd Blihovde; Buddy Powell; Knox, Carol; Cathy Beck; Courtney Edwards; Craig Miller; Craig Pelton; deWit, Martine; Emma Jugovich; Frisch, Katherine; Georgia Zern; Gretchen Lovewell; Grunwald, Robin; Jim Reid; Jim Valade; Jodi Tuziniski; Katie Tripp; Laura Eldridge; Leeann Rottman; Lowry Park Zoo Florida Mammals; Maya; Mezich, Ron; Michael Boos; Michael Lusk; Mike Walsh; Monica Ross; Mosier, Andrea; Nick Kapustin; Nicole Adimey; pamela Sweeney; Pat Rose; Quigley, Wendy; Ray Ball; Reinert, Tom; Robert Bonde; Robert Rose; Robert Wagoner; Ruth Francis-Floyd; Segelson, Carli; Stefanie Barrett; Steve Lehr; Susan Butler; Susan Lowe; Szemer, Donna; Virginia Edmonds; Ward, Leslie  
**Subject:** RE: updates

SWFTM1214B  
REC1216

"Laces"

The manatee in Coco Beach has been captured and is on its way to Sea World.

---

**From:** Garrett, Andy  
**Sent:** Tuesday, August 28, 2012 11:17 AM  
**To:** 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill Hughes'; 'Boyd Blihovde'; 'Buddy Powell'; 'Carol Knox'; 'Cathy Beck'; 'Courtney Edwards'; 'Craig Miller'; 'Craig Pelton'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Grunwald, Robin; 'Jim Reid'; 'Jim Valade'; 'Jodi Tuziniski'; 'Katie Tripp'; 'Laura Eldridge'; 'Leeann Rottman'; 'Lowry Park Zoo Florida Mammals'; 'Maya'; Mezich, Ron; 'Michael Boos'; 'Michael Lusk'; 'Mike Walsh'; 'Monica Ross'; Mosier, Andrea; 'Nick Kapustin'; 'Nicole Adimey'; 'pamela Sweeney'; 'Pat Rose'; Quigley, Wendy; 'Ray Ball'; Reinert, Tom; 'Robert Bonde'; 'Robert Rose'; 'Robert Wagoner'; 'Ruth Francis-Floyd'; Segelson, Carli; 'Stefanie Barrett'; 'Steve Lehr'; 'Susan Butler'; 'Susan Lowe'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie  
**Subject:** RE: updates

### Coco Beach:

The FWC-ECFL is on scene with the injured manatee reported last Friday. Sea World has been contacted and a rescue is being planned for today.

Initial reports from the scene are indicating that the manatee's buoyancy has become more of an issue and that it is now swimming on its side.

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

### Orlando:

The FWC-ECFL has secured the use of a small johnboat for tomorrow. The current plan is to use the johnboat to survey the Little Econ River starting from Puzzle Lake. ECFL staff will evaluate whether they think water levels are adequate for the manatee or manatees to travel from Blanchard Park to Puzzle Lake.

-Andy

---

**From:** Garrett, Andy  
**Sent:** Monday, August 27, 2012 9:52 AM  
**To:** 'Amy Teague'; 'Art Yerian'; Baxter, Kevin; 'Bill Hughes'; 'Boyd Blihovde'; 'Buddy Powell'; 'Carol Knox'; 'Cathy Beck'; 'Courtney Edwards'; 'Craig Miller'; 'Craig Pelton'; deWit, Martine; 'Emma Jugovich'; Frisch, Katherine; 'Georgia Zern'; 'Gretchen Lovewell'; Grunwald, Robin; 'Jim Reid'; 'Jim Valade'; 'Jodi Tuziniski'; 'Katie Tripp'; 'Laura Eldridge'; 'Leeann Rottman'; 'Lowry Park Zoo Florida Mammals'; 'Maya'; Mezich, Ron; 'Michael Boos'; 'Michael Lusk'; 'Mike Walsh'; 'Monica Ross'; Mosier, Andrea; 'Nick Kapustin'; 'Nicole Adimey'; 'pamela Sweeney'; 'Pat Rose'; Quigley, Wendy; 'Ray Ball'; Reinert, Tom; 'Robert Bonde'; 'Robert Rose'; 'Robert Wagoner'; 'Ruth Francis-Floyd'; Segelson, Carli; 'Stefanie Barrett'; 'Steve

Lehr'; 'Susan Butler'; 'Susan Lowe'; Szemer, Donna; 'Virginia Edmonds'; Ward, Leslie

**Subject:** updates

**Orlando:**

The FWC received a report from a kayaker that she saw two manatees in the Blanchard Park area over the weekend. This report has not yet been verified.

**Coco Beach:**

The FWC-ECFL responded to a call on Friday of a 7-8 ft manatee that had a fresh watercraft series on its back and was listing to one side and buoyant when resting. The report was confirmed and a rescue was set up with Sea World for Saturday. The rescue was then postponed on Saturday due to inclement weather. The FWC plans on organizing another rescue attempt once the inclement weather has passed.

-Andy

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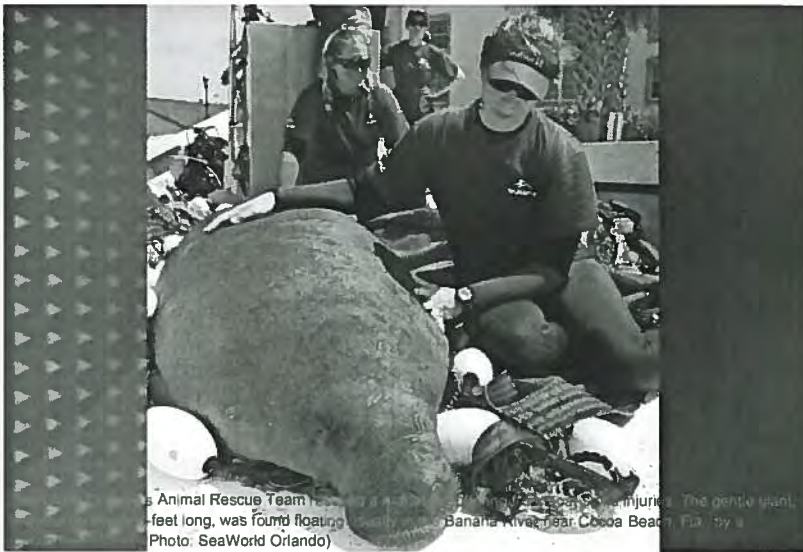
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SWFTM1214B  
REC1216

## SeaWorld Orlando rescues injured manatee



SeaWorld Orlando's Animal Rescue Team rescued a manatee injured from a boat strike to its upper back Monday afternoon near Cocoa Beach. The gentle giant, 8 feet long, was found floating unusually on its right side in Brevard County's Banana River. The resident notified Florida Fish and Wildlife Conservation Commission about the animal and it contacted SeaWorld to conduct the rescue. Photo: SeaWorld Orlando

Last Updated Wednesday, August 29, 2012 @ 04:26PM

10

**COCOA BEACH** -- SeaWorld Orlando's Animal Rescue Team rescued a manatee injured from a boat strike to its upper back Monday afternoon near Cocoa Beach.

The manatee was found by a concerned resident floating unusually on its right side in Brevard County's Banana River. The resident notified Florida Fish and Wildlife Conservation Commission about the animal and it contacted SeaWorld to conduct the rescue.

SeaWorld rescued the nearly eight-foot-long female sub-adult, and she was transported to SeaWorld Orlando for further evaluation and care.

After suffering boat strike wounds, manatees sometimes float unusually due to a number of reasons. SeaWorld's Animal Rescue Team will conduct tests on the manatee to determine the nature of her injuries.

If you see an injured or orphaned marine animal, call the FWC hotline at 1-888-404-3922 or dial \*FWC on a mobile device.

SeaWorld's animal rescue team is on call 24/7 to save and care for injured, orphaned, or ill animals. So far in 2012

### VIDEO STORIES

- SeaWorld Orlando team rescues injured manatee

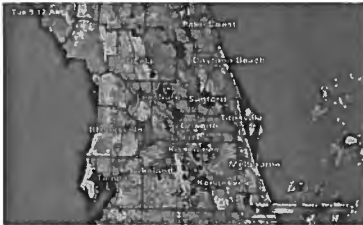


SeaWorld Orlando has rescued 13 manatees.



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## SeaWorld team returns four manatees to lagoon

Rehabilitated mammals each weighed 400-plus lbs.

Jul. 19, 2013 | 0  
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Manatee release easier than rescue: John Stiner of the National Park Service describes the effort to rescue two manatees in December. By Scott Gunnerson. Secondary footage by Tim Shortt. Posted July 18, 2013.

Written by  
Scott Gunnerson  
FLORIDA TODAY

FILED UNDER

News  
Local News  
Indian River Lagoon  
Kennedy Space Center

Pipsqueak the manatee had plenty of company when she returned Thursday to the Indian River Lagoon after months of rehabilitation in Orlando.

SeaWorld Orlando's animal rescue team successfully released four female manatees, each weighing more than 400 pounds, at the south end of Mosquito Lagoon near Kennedy Space Center.

"I think four is kind of like the most we've done at one time," said Pedro Ramos-Navarrete, supervisor of animal care at SeaWorld Orlando. "Doing this release has actually been really exciting, it is a really good feeling."



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More than 40 people were needed to lift the four manatees on stretchers and carry them into the water as nearly 100 people watched and cheered when the animals slipped into the water.

Ramos-Navarrete, a 23-year veteran of animal care at SeaWorld, said that previously the most manatees they had released at once was three, but the logistics for four were not that difficult.

"It requires a lot more people and it requires more vehicles," Ramos-Navarrete said. "It's not that bad as requiring more logistics, but it does require a little bit more."

Two trucks carried two manatees each as well as SeaWorld personnel from Orlando to Canaveral National Seashore. It took eight people to lift each manatee on a stretcher from the truck to the shoreline.

Pipsqueak was the first one out of a truck and was measured on shore one last time before being released. Chips were already implanted into each manatee for identification if they end up in trouble again.

Three of the manatees were rescued in December after becoming trapped in water-filled impoundments meant to control mosquitoes.

Pipsqueak and Nitty were rescued by the Florida Fish and Wildlife and Braille by SeaWorld Orlando. They were treated for mild cold stress.

The fourth manatee, Asaka, was rescued by Florida Fish and Wildlife in March when she was displaying problems with buoyancy. The manatee also was treated for propeller wounds.

John Stiner, a resource management specialist for Canaveral National Seashore, helped rescue Pipsqueak and Nitty after days of trying to locate the duo.

"It took a couple of days to pinpoint them because they kept moving," Stiner said. "When we were able to get the nets in the water to trap them, we had to wade in water that was chest deep and we had mud up to our knees."

Stiner was glad to see the manatees return to the national park.

"This is very gratifying that they are healthy now and we are able to let them go, especially with the difficulty in capturing them," Stiner said.

Ramos-Navarrete, who led the rehab effort at SeaWorld, had mixed emotions as the four now-healthy manatees frolicked about 30 yards offshore.

"It's kind of a bittersweet thing," Ramos-Navarrete said. "You've

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by Taboola

gotten this animal at death's doorstep and you actually got them healthy again."

But he hoped the farewell was forever.

"If we see them again, it means they are in trouble again. So we really don't want to see them again."

Contact Gunnerson at [twitter.com/scottgunnerson](https://twitter.com/scottgunnerson), [sgunnerson@floridatoday.com](mailto:sgunnerson@floridatoday.com), 321-360-1016.



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## SeaWorld Orlando returns 4 manatees to wild



Last Updated: Friday, July 19, 2013, 7:26 AM

**BREVARD COUNTY** – SeaWorld Orlando returned four manatees to their natural environment Thursday morning.

The manatees have been rehabilitating at SeaWorld Orlando for several months.

SeaWorld's Animal Rescue Team released them at Eddy Creek in [Brevard County](#).

The female manatees who made their way back to their natural environment are:

### Braille

Braille, who weighs 640 pounds, was rescued by SeaWorld Orlando in December after getting caught in the the mosquito impoundment in the Merritt Island National Wildlife Refuge.

### VIDEO STORIES

- [SeaWorld Orlando returns 4 manatees to wild](#)

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SeaWorld Orlando's Animal Rescue Team has been rehabilitating her as she surereo from mild cold stress.

#### Pipsqueak

Don't let her name fool you! This sub-adult female weighs 575 pounds. After becoming entrapped in a mosquito impoundment in the Merritt Island National Wildlife Refuge last December, the Florida Fish and Wildlife Conservation Commission (FWC) rescued and transported her to SeaWorld Orlando. She has been receiving care at our park for mild cold stress since her rescue.

#### Nitty

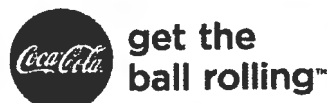
Nitty, who was also rescued by the FWC in December after becoming entrapped in a mosquito impoundment in the Merritt Island National Wildlife Refuge, has been receiving care for mild cold stress during her time at SeaWorld Orlando. Nitty is the largest of the four animals and weighs 775 pounds.

#### Asaka

Asaka was brought to SeaWorld Orlando in March after being rescued by the FWC from the Indian River in Merritt Island, Fla. Asaka was suffering from natural buoyancy issues and had been floating very high in the water. Her health was evaluated by SeaWorld's animal experts upon arrival at the park, who found no visual signs of propeller or skeg marks. Asaka worked out her buoyancy issues during her time at SeaWorld.

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## SeaWorld Releases Manatee Near Cape Canaveral (VIDEO)



CAPE CANAVERAL, Florida -- Yesterday, the SeaWorld Orlando Animal Rescue Team returned *Laces*, a nearly 900-pound female manatee, to waters near Cape Canaveral, Florida.

*Laces* was brought to SeaWorld Orlando in August of 2012 after being rescued from the Banana River near Cocoa Beach due to boat strike injuries on her upper back.

SeaWorld animal experts have helped more than 22,000 animals in need - ill, injured, orphaned *and* abandoned - for more than four decades. So far this year, SeaWorld Orlando has rescued 13 manatees *and* returned eight after yesterday's return.

To learn about all of SeaWorld's conservation efforts visit [seaworldcares.com](http://seaworldcares.com) or on Facebook, Twitter *and* Instagram.

Video and Photo Credit: SeaWorld Orlando

## Air Force Print News Today

Air Force news from around the world

### Injured manatee is saved by joint effort

SWF 12/46  
"Laces"

by 2nd Lt. Alicia Wallace  
45th Space Wing Public Affairs

**8/19/2013 - CAPE CANAVERAL AIR FORCE STATION, Fla.** -- The 45th Space Wing, Florida Fish and Wildlife Conservation Commission, SeaWorld and Sea-to-Shore Alliance worked in a combined effort to release a rehabilitated manatee back into its natural habitat Aug. 13 at Cape Canaveral Air Force Station.

The female manatee was discovered in August 2012 on the Banana River near Cocoa Beach with deep propeller wounds on her back from being struck by a boat, according to Zach Johnson, research assistant for Sea-to-Shore Alliance.

Four different organizations played a part in the manatee's healing process and release.

Cape Canaveral Air Force Station provided an ideal location to release the manatee, according to Johnson. There is plenty of grass and foliage for her to feed on, and the habitat can be protected because of boating restrictions. Many manatees already inhabit the waters there as well.

Fondly named "Laces," the nearly 10-foot-long, 955-pound mammal was transported to SeaWorld and has undergone over a year of recovery.

SeaWorld kept Laces at their facilities until she was cleared by a veterinarian to be returned back into her natural environment. The SeaWorld Orlando Animal Rescue Team also helped with carrying the nearly one ton animal into the waters at CCAFS.

The Florida Fish and Wildlife Conservation Commission were the ones who initially received the call about the injured manatee.

"We receive all calls about manatees that are found - dead or alive," said Christie Rush, FWC marine mammal biologist. "Our job is to check them out and then determine a response. We set-up everything from where to get them to a release spot."

The Sea-to-Shore Alliance has the responsibility of ensuring Laces is adapting to her new environment and staying in good health. In order to accomplish this, Sea-to-Shore Alliance attaches a tracking device to the manatee.

"The telemetry device we attached to her is a satellite tag that has GPS [Global Positioning System] and VHF [Very High Frequency] capabilities," said Ann Spellman, lead FWC marine biologist. "This means they can track by radio frequency. They can also track them on the computer through the ARGOS [Advanced Research and Global Observation] satellite system."

The tracking device that is placed on the manatee has several fail safes so that if the device gets caught, the manatee will be able to go free without being harmed. The device will be used to monitor the manatee's progress in its new environment and will be removed once Laces has adjusted, said Johnson.

There were other members of the wing that contributed to Laces' successful return to the Banana River.

Members from the 45th Security Forces Squadron provided a smooth coordination for access onto the restricted installation, and additional support was provided by the Environmental Support Contractor VZ Technologies to help carry the manatee into the Banana River near CCAFS.

"We got all these agencies together to make a wonderful thing happen. Having the similar jobs of protecting our



Members of the Florida Fish and Wildlife Conservation Commission, SeaWorld, the Sea-to-Shore Alliance and the 45th Space Wing work together to release the female manatee "Laces" into the Banana River near Cape Canaveral Air Force Station, Fla., Aug. 13. (U.S. Air Force Photo/Matthew Jurgens)



natural resources is important to more than just us, and it's amazing to see Federal, state and local agencies come together like this," said Mabel O'Quinn, biologist, 45th Civil Engineer Squadron.

Although this joint effort showed our country's capacity to come together and save Laces' life, Spellman wanted to remind Florida residents of doing their part to preserve Florida's manatee population.

"The number one cause of death to manatees is boating incidents. Please be mindful and watch out for manatees in the river," said Spellman. "If you do see an incident or find an injured manatee, please contact the FWC."

The West Indian Manatee is an endangered species that is protected under the Marine Mammal Protection Act of 1972, the Endangered Species Act of 1973 and the Florida Manatee Sanctuary Act of 1978, which make it illegal to harass, hunt, capture, or kill manatees, according to [savethemanatee.org](http://savethemanatee.org).

See Laces' activity at the following link (please note her activity is updated every 3 days) : [www.wildtracks.org](http://www.wildtracks.org)

You can contact the FWC at 888-404-3922 or visit their website at <http://myfwc.com/>.

Asst. & Rel.

## Rescue Report

*Updated  
1/2/13  
DJS*

**REC1217**

*Entangled  
Tomato planter*

### GENERAL:

Date of Rescue: 09 September 2012	Date of Initial Call: 09 September 2012	Filed by: J. Ludema
Rescue ID#: REC1217	Facility ID: N/A	FWC Case: 10353
Officer Name: N/A		
Sex: Unknown	Length: 105 cm	Estimated: Yes
PIT Tag Present: Unk.	PIT Tag Applied: #R	L
LOCATION:		
State: FL	City: Melbourne Beach	County: Brevard
		Waterway: Indian River
Latitude (Decimal Degrees): 27.93038 N		Longitude (Decimal Degrees): -80.49022 W
Locality Description: behind 265 Arrowhead Ln		
Method of Capture: Disentanglement did not require capture		

### REASON FOR RESCUE

Check one of the following:

- ☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

### Entanglement

**Gear Type:** (Check all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Monofilament Line   | <input type="checkbox"/> Hook                                    |
| <input type="checkbox"/> Net                 | <input type="checkbox"/> Buoy                                    |
| <input type="checkbox"/> Polyprop/Nylon Line | <input type="checkbox"/> Trap                                    |
| <input type="checkbox"/> Sinker              | <input checked="" type="checkbox"/> Other (Metal Tomato Planter) |

**Location of Entanglement:** The tomato planter was tightly wedged around the middle of the body.

**If Crab Pot:**

Float#:                      Color:                      Line Type:

**Damage from Gear:**

- ☒ No Damage ☐ Abrasions  
☐ Breaking Skin Surface      Depth of Entanglement Penetration: \_\_\_ cm  
Comments:

Gear Retained? ☐ Y ☒ N

## Rescue Report

REC1217

### VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### HISTORY

Date	Narrative
09 September 2012	<p>At 1412 hrs, FWC- biologist Jaclyn E. Ludema (JEL) received a Netel alert from FWC NE Dispatch-Orlando regarding a small manatee entangled in a wire cage. FWC case number 10353 was assigned. The complainant, Robert (772-643-4772) informed JEL that the manatee was swimming around in the canal at 321 Nikomas Drive in Melbourne Beach. He informed JEL that the cage around the manatee looked like a wire tomato planter and the manatee was unable to swim out of it. JEL advised the complainant to take photographs of the entanglement and to watch the manatee until she arrived. At 1510 hrs, JEL and FWC-volunteer Daniel H. Neis (DHN) arrived on-scene and located the manatee. Resident Brooke Arutt (BA) informed JEL that the small entangled manatee was closely associated with a large well-marked manatee and the two were swimming very close together. BA had seen the pair of manatees earlier that week without the entanglement. BA tracked the manatee by land while JEL and DHN launched a tandem kayak and slowly approached the manatees. JEL held onto the tomato planter and assessed the entanglement. The tomato planter was tightly wedged around the middle of the small manatee but had not caused any damage. The small manatee began thrashing and JEL let go. Residents assisted in relocating the manatees and JEL and DHN slowly approached them again. This time, DHN was swimming behind the kayak and JEL went to the bow of the kayak. At 1615 hrs, JEL grabbed the tomato planter and handed the manatee to DHN in the water. DHN held the small manatee next to the kayak while JEL used the wire clippers to snip the tomato planter. The small manatee was then able to swim free of the tomato planter.</p>

#### Participants:

FWC EC: J.Ludema, D. Neis (volunteer)

REC1217

Photographs: Citizen photos







# Verified Response Location of Manatee Rescue REC1217

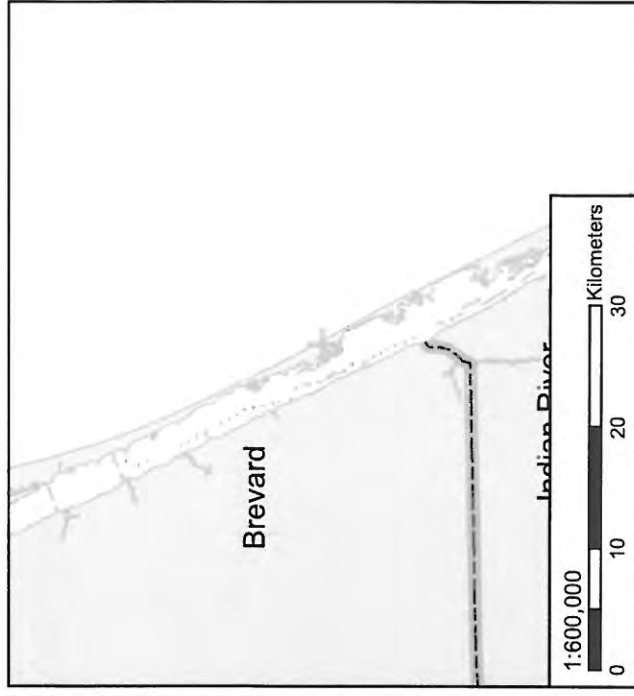
Rescue Date: 9/9/2012

Facility ID: N/A

Map Created 6/25/2014



**Locality Description:**  
behind 265 Arrowhead Ln



**Latitude:** 27.93038°N **Longitude:** -80.49022°W

## GENERAL:

*Updated 1/14/13 JES* *Asst. & Rel* *Entanglement Crab-pot*

Date of Rescue: 07 November 2012 Date of Initial : 05 November 2012 Filed by: J. Ludema  
Rescue ID#: REC1219 Facility ID: N/A FWC Case: N/A Officer Name: N/A  
Sex: Unk Length: 240 cm Estimated: Yes  
PIT Tag Present: Unk PIT Tag Applied: No #R L  
LOCATION:  
State: FL City: Port St John County: Brevard Waterway: Indian River  
Latitude (Decimal Degrees): 28.46817° N Longitude (Decimal Degrees): -80.76355 ° W  
Locality Description: FPL Power plant intake canal, 3 m S of the northern seawall, approximately 100 m W of easternmost catwalk.  
Method of Capture: Swim up and cut off gear.

## REASON FOR RESCUE

Check one of the following:

☐ Watercraft ☒ Entanglement ☐ Entrapment ☐ Orphan ☐ Cold Stress  
☐ Red Tide ☐ Other: (Specify):

## Entanglement

**Gear Type:** (Check all that apply)

☐ Monofilament Line ☐ Hook  
☐ Net ☒ Buoy  
☒ Polyprop/Nylon Line ☒ Trap  
☐ Sinker ☐ Other (Specify)

**Location of Entanglement:** The crab pot line was wrapped around the left flipper.

**If Crab Pot:**

Float#: VH-7473 Color: White and Blue Line Type: Nylon

**Damage from Gear:**

☐ No Damage ☒ Abrasions  
☒ Breaking Skin Surface Depth of Entanglement Penetration: \_\_\_cm

Comments:

Gear Retained? ☒ Y ☐ N

## VISUAL RECORD

	Photo - Slides	Photo - Digital	Video
Animal Entangled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Gear Removal Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gear Alone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rescue Situation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## HISTORY

Date	Narrative
<b>05 November 2012</b>	At 1300 hrs, FWC-biologist Ann C. Spellman (ACS) received an email from Florida Power and Light (FPL)-Jodie Gless (JG) regarding a possible entangled manatee. The email contained a photo taken by construction foreman, Doug Foust, which showed what appeared to be a light blue float, tightly wrapped around the manatee's left flipper. ACS contacted JG and asked that plant observers call her if the manatee was spotted again.
<b>07 November 2012</b>	ACS received a report saying that the manatee was spotted back in the intake canal. ACS and FWC- biologist Jaclyn E. Ludema (JEL) met Doug Foust at the FPL catwalk. Staff directed ACS and JEL to the manatee in the north intake canal. At 1300 hrs, JEL activated the VHF tag 627 and entered the water at the south end of the catwalk. JEL then slowly approached the manatee in the north intake canal. From land, ACS directed JEL to the location of the entangled manatee. At 1347 hrs, JEL clipped the VHF to the buoy. JEL then swam down to the left flipper of the manatee and inspected the entanglement. The entanglement had broken the skin surface and caused some abrasion to the surrounding area. JEL confirmed that the entanglement could be safely removed on site. JEL determined that the manatee was carrying a crab pot, which she cut free using a dive knife. The crab pot was brought over to the sea wall and collected by ACS for documentation. At 1400 hrs, JEL swam back to the manatee and, using the tag tether, held onto the manatee. Once the manatee calmed down, JEL was able to cut the remainder of the rope and the buoy away from the flipper. The manatee swam back into the canal, free of all gear. The remainder of the gear was retained for documentation.

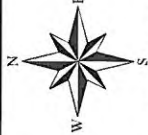
Participants: J. Ludema, A. Spellman

REC1219

Photographs: FWC025:2012-11-07\_4626 through 4702





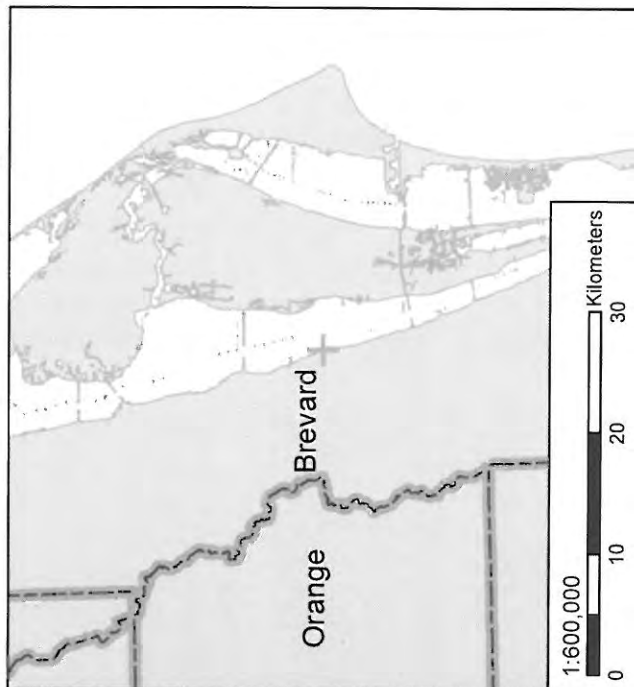
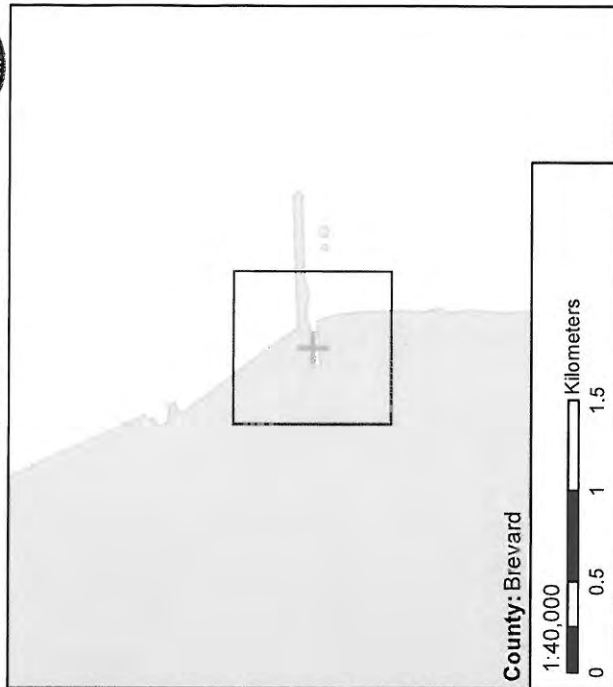
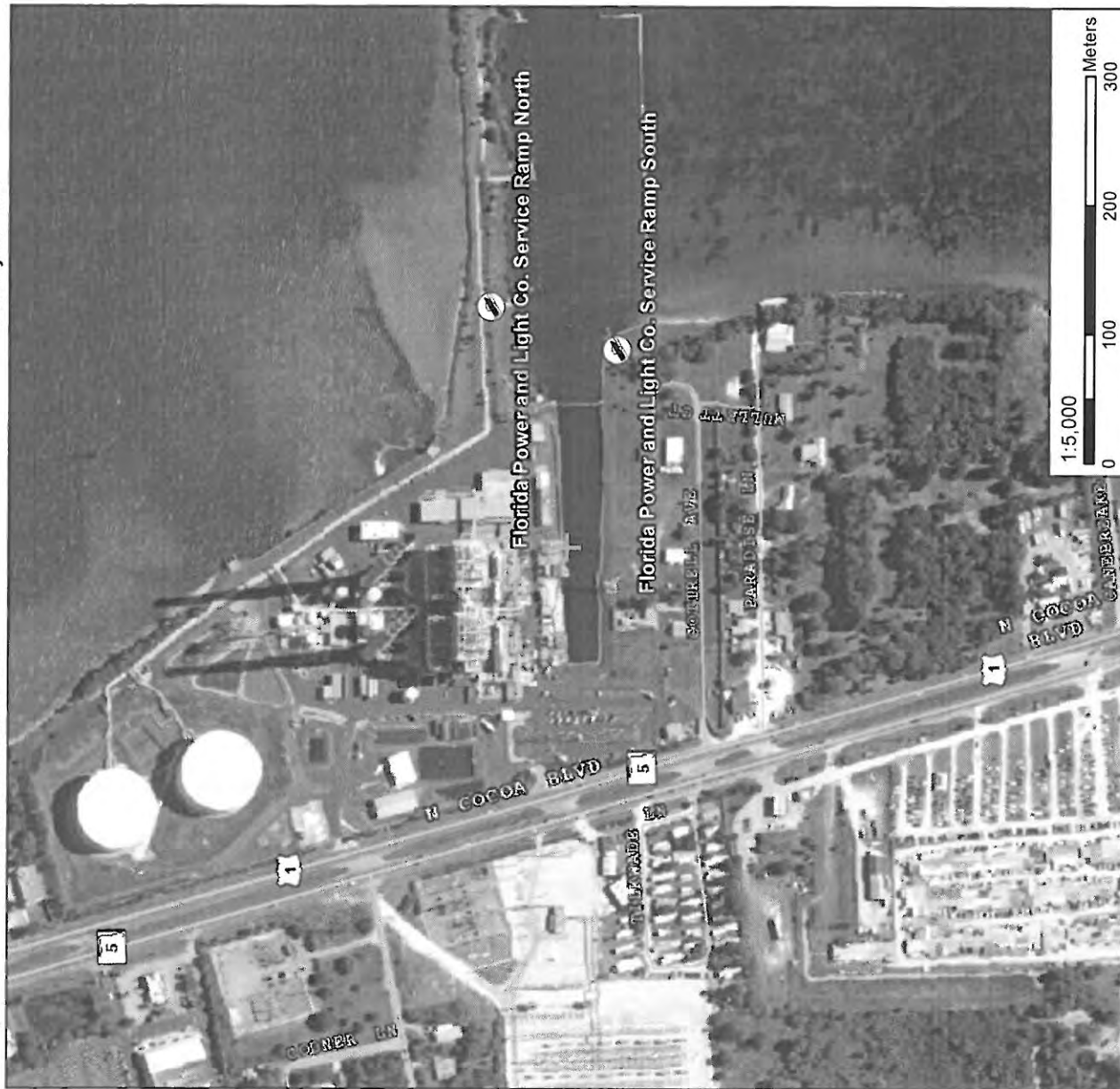


# Verified Response Location of Manatee Rescue REC1219

Rescue Date: 11/7/2012

Facility ID: N/A

Map Created 9/5/2014



## Locality Description:

FPL Power plant intake canal, 3 m S of the northern seawall, approximately 100 m W of easternmost catwalk

Latitude: 28.46817°N

Longitude: -80.76355°W