

NRR-PMDAPem Resource

From: Steve Weege <steveweege@gmail.com>
Sent: Tuesday, March 08, 2016 9:24 AM
To: Meghan Koperski
Cc: Ed Hollowell; Jodie Gless; John Jones; Ken Frehafer; Marine Turtle Permit; Michael Bresette; EndangeredSpecies Resource; SCO@dep.state.fl.us; Vince Munne; Cody Mott; Jeff Guertin; Ryan Welsh; debbie.spring@noaa.gov; Kristin.Eaton@fpl.com; Jonathan Gorham
Subject: [External_Sender] February 2016 FPL Marine Turtle Removal Monthly Report
Attachments: February 2016 Marine Turtle Captures.pdf; Monthly Report Notes 2016.pdf; FPL St Lucie Capture Summary 2016.pdf; Power Plant Causal Turtles.pdf

Mrs. Meghan Koperski

Tequesta Field Laboratory

19100 SE Federal Highway

Tequesta, FL 33469

Subject: Marine Turtle Removal Monthly Summary

February 2016

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for February 2016. This month, we captured forty-two (42) *Caretta caretta*, thirty-six (36) *Chelonia mydas*, four (4) *Lepidochelys kempii*, one (1) *Eretmochelys imbricata*, and one (1) *Dermochelys coriacea* in the intake canal of the St. Lucie power plant on Hutchinson Island. Three sea turtles were sent for rehabilitation and there were three mortalities recorded during the month of February. All of the strandings this month were non-causal. The Florida Fish and Wildlife Conservation Commission (FWC) was consulted for each stranding and the appropriate form was filed with the state through the Sea Turtle Stranding and Salvage Network.

One loggerhead and two green turtles were sent to rehabilitation facilities for non-causal injuries this month. On February 8th, a large subadult loggerhead with recent shark attack injuries was captured in the tangle nets. She had extensive flipper damage, including exposed broken bone in the right front flipper. Inwater Research Group biologists (IRG) transported the turtle partway to SeaWorld Orlando for rehab. On February 6th, a juvenile green turtle was recovered from the permanent 5-inch barrier net in poor condition. The turtle had numerous papilloma tumors and was underweight and lethargic. After consultation with FWC, Inwater Research Group biologists transported the turtle partway to the Mote Marine Laboratory in Sarasota, FL for rehabilitation. Lastly, On February 15th, a juvenile green turtle was recovered from the primary barrier net that was underweight and lethargic. The turtle had a moderate scrape above the right eye as well as the upper left rhamphotheca. FWC arranged for transport to the Loggerhead Marinelifelife Center in Juno Beach for rehab. All of the aforementioned live strandings were considered non-causal.

There were three non-causal green mortalities recorded during the month of February. On February 6th, a moderately decomposed juvenile green turtle was recovered from the permanent 5-inch barrier net. There was

no obvious cause of death but the animal was too decomposed to necropsy. A second juvenile green turtle was recovered from the primary barrier net on this date; this turtle was severely decomposed. No measurements were taken because the turtle was no longer intact (skeleton, skin and some partial organs were all that remained). Finally, on February 7th, another moderately decomposed juvenile green turtle was removed from the primary barrier net. This was identified as a possible shark attack victim since there were a series of puncture wounds in both the carapace and plastron. It was believed to have been entrained postmortem because there was no fluid or foam in the oral cavity to indicate that it had possibly drowned. Nevertheless, the state of decomposition, as evidenced by skin slippage, precluded necropsy. FWC was consulted each time; none of the green turtle mortalities this month were considered causal.

Throughout the month, the permanent 5-inch barrier net experienced light loads of algae and jellyfish that entered into the intake canal system. Inwater Research Group biologists also performed around-the-clock monitoring of the intake canal and barrier net system while the power plant conducted minor equipment repairs and maintenance. Overall, the barrier net has performed as designed and no turtles have been observed beyond the 5-inch net.

The tag numbers and morphometric data for all turtles captured during the month have been included with this report (see attachments/addendums). Also included is a spreadsheet for all captures, mortalities, injuries, and causal events delineated by species and by month for 2016. In addition, this spreadsheet also tracks fresh scrapes incurred on captured turtles for the current month, as well as the entire year. An additional Excel spreadsheet tracks all causal injuries and mortalities incurred by sea turtles at the St. Lucie Plant since 2003.

Please feel free to contact me with any questions.

Sincerely,

Steve

Steve Weege

Sr. Environmental Specialist

Inwater Research Group, Inc.

4160 NE Hyline Dr.

Jensen Beach, FL 34957

sweege@inwater.org

(772) 349-7252

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From: Steve Weege

Created By: steveweege@gmail.com

Recipients:

"Ed Hollowell" <Ed.Hollowell@fpl.com>
Tracking Status: None
"Jodie Gless" <Jodie_Gless@fpl.com>
Tracking Status: None
"John Jones" <John.Jones@fpl.com>
Tracking Status: None
"Ken Frehafer" <Ken_Frehafer@fpl.com>
Tracking Status: None
"Marine Turtle Permit" <MTP@myfwc.com>
Tracking Status: None
"Michael Bresette" <mbresette@inwater.org>
Tracking Status: None
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None
"SCO@dep.state.fl.us" <SCO@dep.state.fl.us>
Tracking Status: None
"Vince Munne" <Vince.Munne@fpl.com>
Tracking Status: None
"Cody Mott" <cmott@inwater.org>
Tracking Status: None
"Jeff Guertin" <jguertin@gmail.com>
Tracking Status: None
"Ryan Welsh" <rwelsh@inwater.org>
Tracking Status: None
"debbie.spring@noaa.gov" <debbie.spring@noaa.gov>
Tracking Status: None
"Kristin.Eaton@fpl.com" <Kristin.Eaton@fpl.com>
Tracking Status: None
"Jonathan Gorham" <jgorham@inwater.org>
Tracking Status: None
"Meghan Koperski" <Meghan.Koperski@MyFWC.com>
Tracking Status: None

Post Office: mail.gmail.com

Files	Size	Date & Time
MESSAGE	4459	3/8/2016 9:24:20 AM
February 2016 Marine Turtle Captures.pdf		117993
Monthly Report Notes 2016.pdf	102294	
FPL St Lucie Capture Summary 2016.pdf		128474
Power Plant Causal Turtles.pdf	127140	

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**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
FEBRUARY 2016**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
2/1/2016	<i>Chelonia mydas</i>		982000364835570	26.2	26.5	27.8	24.0	21.3	21.7	2.3	Dip net
2/1/2016	<i>Caretta caretta</i>		LLP462/LLP463	70.4	71.9	76.4	75.3	60.9	57.1	58.8	South net
2/1/2016	<i>Caretta caretta</i>		LLP464/LLP465	67.1	68.8	73.2	71.3	59.9	51.8	47.6	North net
2/1/2016	<i>Chelonia mydas</i>		LLP467	32.5	32.7	34.2	28.7	24.3	25.5	4.2	South net
2/1/2016	<i>Lepidochelys kempii</i>	1	RCW160201-01	52.3	53.1	56.0	57.2	50.5	48.0	18.2	North net
2/2/2016	<i>Caretta caretta</i>		LLP468/LLP469	67.6	68.7	75.3	71.8	58.2	53.6	43.7	North net
2/2/2016	<i>Chelonia mydas</i>		LLP471	36.4	36.9	40.5	35.2	31.8	30.3	6.7	South net
2/2/2016	<i>Chelonia mydas</i>		LLP472/LLP473	30.3	30.8	31.9	26.5	23.7	23.7	3.5	North net
2/2/2016	<i>Caretta caretta</i>		LLP474/LLP475	61.3	63.1	67.0	64.3	53.3	49.7	35.4	South net
2/3/2016	<i>Chelonia mydas</i>	2	LLS201/LLS202	57.9	58.5	68.5	62.3	47.2	47.0	34.8	South net
2/4/2016	<i>Caretta caretta</i>		LLS203/LLS204	63.8	65.3	70.4	69.1	55.9	50.1	41.1	South net
2/4/2016	<i>Caretta caretta</i>		LLS205/LLS206	55.6	56.9	60.9	57.8	49.0	45.1	27.5	South net
2/5/2016	<i>Chelonia mydas</i>	3	LLH931	51.3	51.4	54.9	48.2	39.6	41.7	16.8	North net
2/5/2016	<i>Caretta caretta</i>		LLS207/LLS208	74.2	75.1	78.7	78.9	65.1	60.4	68.0	North net
2/6/2016	<i>Chelonia mydas</i>	4	JRG160206-01	34.8	34.9	36.9	31.6	27.4	28.0	4.3	Barrier net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
2/6/2016	<i>Chelonia mydas</i>	5	LLP438	28.8	29.0	31.3	26.5	23.5	23.4	3.2	Barrier net
2/6/2016	<i>Chelonia mydas</i>	6	RCW160206-02								Barrier net
2/7/2016	<i>Caretta caretta</i>		LLS209/LLS210	67.7	69.1	75.6	67.6	56.8	53.9	49.7	North net
2/7/2016	<i>Caretta caretta</i>		LLS211/LLS212	59.6	61.3	67.1	63.2	49.7	48.0	35.2	South net
2/7/2016	<i>Caretta caretta</i>		LLS213/LLS215	70.3	72.1	77.6	74.0	62.3	56.0	55.9	South net
2/7/2016	<i>Caretta caretta</i>		LLS216/LLS217	66.6	68.0	73.4	73.9	58.3	50.5	41.6	North net
2/7/2016	<i>Chelonia mydas</i>	7	STW160207-01	29.3	29.7	31.4	27.1	23.7	24.8	3.2	Barrier net
2/8/2016	<i>Caretta caretta</i>		LLS218/LLS219	55.7	56.7	61.5	58.3	48.4	44.2	27.8	North net
2/8/2016	<i>Caretta caretta</i>	8	STW160208-01	76.0	77.3	83.4	78.5	60.2	60.1	68.8	North net
2/10/2016	<i>Eretmochelys imbricata</i>	9	JRG160210-01	50.5	52.3	56.0	46.5	45.2	38.8	14.0	Barrier net
2/10/2016	<i>Caretta caretta</i>		LLS220/LLS221	56.7	57.5	61.6	56.5	47.3	43.8	24.0	North net
2/11/2016	<i>Chelonia mydas</i>	10	LLH505/LLS226	49.4	49.7	53.0	46.3	37.7	39.1	14.3	North net
2/11/2016	<i>Caretta caretta</i>		LLS222/LLS223	66.2	67.0	71.3	67.5	56.5	52.4	43.2	South net
2/11/2016	<i>Lepidochelys kempii</i>		LLS224/LLS225	47.5	48.1	50.0	55.0	48.8	36.7	14.1	South net
2/12/2016	<i>Chelonia mydas</i>	11	EEF563	44.7	44.9	49.5	42.0	34.4	36.7	11.9	North net
2/12/2016	<i>Chelonia mydas</i>		LLS227/LLS228	51.3	51.8	55.3	50.2	42.7	42.5	18.2	North net
2/12/2016	<i>Caretta caretta</i>		LLS229/LLS230	62.7	64.2	69.0	65.1	53.9		38.3	South net
2/12/2016	<i>Chelonia mydas</i>	12	LLS231/LLS232	47.1	47.4	50.2	45.2	37.7	39.3	12.6	North net
2/12/2016	<i>Chelonia mydas</i>		LLS233	27.7	28.4	30.0	25.8	22.8	22.3	2.5	Dip net
2/12/2016	<i>Caretta caretta</i>		LLS234/LLS235	62.5	64.0	68.7	65.9	51.4	48.8	33.6	South net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
2/14/2016	<i>Caretta caretta</i>		LLS236/LLS238	64.6	67.5	74.1	71.8	58.7	54.6	47.8	North net
2/14/2016	<i>Chelonia mydas</i>		LLS239/LLS240	34.0	34.1	36.0	30.5	26.9	28.1	4.9	North net
2/14/2016	<i>Chelonia mydas</i>	13	LLS242/LLS243	42.8	43.5	45.9	41.0	34.5		10.0	North net
2/14/2016	<i>Caretta caretta</i>	14	LLS244/LLS245	77.7	79.0	83.5	77.0	60.4	60.3	67.5	South net
2/15/2016	<i>Caretta caretta</i>	15	LLS246/LLS247	76.4	78.3	84.0	80.0	62.9	55.5	62.7	North net
2/15/2016	<i>Chelonia mydas</i>	16	STW160215-01	20.5	20.7	21.5	18.8	16.7	17.8	1.0	Barrier net
2/17/2016	<i>Caretta caretta</i>		LLS248/LLS249	68.3	69.4	72.9	72.2	59.5	54.5	57.8	North net
2/17/2016	<i>Caretta caretta</i>		LLS250/LLS251	75.6	76.9	65.5	82.9	81.3	59.9	77.3	North net
2/17/2016	<i>Chelonia mydas</i>		LLS252	25.9	28.8	30.5	26.2	23.4	24.4	3.0	South net
2/17/2016	<i>Caretta caretta</i>	17	LLS253/LLS254	72.4	73.8	77.9	74.0	58.7	53.8	52.7	North net
2/17/2016	<i>Caretta caretta</i>		LLS255/LLS256	73.7	76.4	80.2	77.1	58.4	58.0	58.5	North net
2/17/2016	<i>Chelonia mydas</i>		LLS257/LLS258	62.3	62.9	66.6	53.8	46.5	52.8	32.0	North net
2/17/2016	<i>Chelonia mydas</i>		LLS259/LLS260	44.1	44.3	47.5	41.8	36.4	36.8	12.4	South net
2/18/2016	<i>Caretta caretta</i>		LLS261/LLS262	59.1	60.0	64.8	63.3	53.0	48.7	36.4	South net
2/18/2016	<i>Lepidochelys kempii</i>		LLS263/LLS264	51.1	51.6	54.1	61.3	53.7	39.9	192.0	North net
2/19/2016	<i>Dermochelys coriacea</i>	18	LLS265/LLS266	150.0	150.0	159.0	115.5	80.4		385.0	Hand capture
2/19/2016	<i>Chelonia mydas</i>		LLS267/LLS268	32.0	32.7	35.1	31.7	27.9	26.8	4.3	Barrier net
2/20/2016	<i>Chelonia mydas</i>		LLS269/LLS270	73.5	74.8	79.3	73.2	58.3	61.3	56.0	South net
2/20/2016	<i>Caretta caretta</i>		LLS271/LLS272	74.9	77.5	86.5	77.0	60.4	58.5	69.8	South net
2/20/2016	<i>Caretta caretta</i>		LLS273/LLS274	65.4	66.7	71.4	62.5	56.1	51.5	41.0	South net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
2/20/2016	<i>Caretta caretta</i>		LLS275/LLS276	63.7	64.5	7.7	67.1	53.9	49.5	37.3	North net
2/21/2016	<i>Chelonia mydas</i>	19	LLP337/LLP338	54.9	55.1	58.2	50.7	42.7	47.7	22.1	South net
2/21/2016	<i>Chelonia mydas</i>		LLS277	27.7	28.3	29.2	24.1	21.8	23.4	2.3	North net
2/22/2016	<i>Chelonia mydas</i>		LLS278/LLS279	42.7	42.9	45.6	39.5	34.7	35.7	10.3	North net
2/22/2016	<i>Chelonia mydas</i>		LLS280/LLS281	65.5	66.0	71.2	64.0	54.4	54.8	38.4	North net
2/22/2016	<i>Chelonia mydas</i>	20	LLS282/LLS283	40.2	41.0	43.3	37.4	32.2	33.0	7.8	North net
2/22/2016	<i>Caretta caretta</i>		LLS284/LLS285	53.9	55.1	59.3	58.0	48.2	43.4	23.7	North net
2/22/2016	<i>Caretta caretta</i>		LLS286/LLS287	56.3	57.7	63.4	59.5	51.5	45.6	29.0	North net
2/22/2016	<i>Caretta caretta</i>		LLS288/LLS289	69.4	70.5	76.3	71.5	57.9	55.8	51.8	North net
2/22/2016	<i>Caretta caretta</i>		LLS290/LLS291	57.8	58.9	64.0	64.0	53.0	47.8	36.3	North net
2/22/2016	<i>Caretta caretta</i>		LLS292/LLS293	64.9	66.4	72.0	68.5	57.5	51.3	40.8	North net
2/23/2016	<i>Chelonia mydas</i>	21	LLS237	52.2	52.4	55.6	49.2	41.6	43.9	16.5	South net
2/23/2016	<i>Caretta caretta</i>		LLS294/LLS295	63.1	64.5	68.1	71.1	58.9	50.9	39.4	North net
2/24/2016	<i>Caretta caretta</i>		LLS296/LLS297	64.7	66.9	73.0	67.8	53.1	50.3	37.7	North net
2/24/2016	<i>Chelonia mydas</i>		LLS298	27.5	27.8	29.3	26.0	23.9	22.4	2.7	North net
2/24/2016	<i>Caretta caretta</i>		LLS299/LLS300	48.8	49.4	53.2	53.5	43.2	39.1	19.5	North net
2/25/2016	<i>Chelonia mydas</i>	22	LLA141/LLS303	49.4	50.0	53.2	46.8	38.9	41.7	15.3	North net
2/25/2016	<i>Caretta caretta</i>		LLS301/LLS302	60.9	61.4	66.2	63.4	53.5	48.7	35.5	North net
2/25/2016	<i>Chelonia mydas</i>		LLS304/LLS305	34.1	34.8	36.6	29.5	25.2	28.5	4.5	South net
2/26/2016	<i>Chelonia mydas</i>		982000364835506	26.5	26.8	28.3	25.3	22.4	22.4	4.7	North net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
2/26/2016	<i>Chelonia mydas</i>	23	LLH622	54.2	54.5	58.1	52.3	42.2	44.1	18.9	South net
2/26/2016	<i>Caretta caretta</i>		LLS306/LLS307	66.2	67.4	72.0	69.4	59.2	53.5	44.0	North net
2/26/2016	<i>Lepidochelys kempii</i>	24	STW160226-01	56.6	57.5	60.5	60.5	53.5	44.6	23.4	South net
2/27/2016	<i>Caretta caretta</i>	25	LLP277/LLP278	70.9	73.5	76.5	73.2	59.3	54.9	47.7	South net
2/27/2016	<i>Caretta caretta</i>		LLS308/LLS309	69.9	71.7	75.6	72.5	60.3	56.8	53.3	North net
2/27/2016	<i>Caretta caretta</i>		LLS310/LLS311	56.1	57.3	61.1	57.5	48.0	45.4	25.8	North net
2/28/2016	<i>Chelonia mydas</i>	26	LLP303/LLP304	39.8	39.9	42.2	37.7	32.0	37.6	7.8	South net
2/28/2016	<i>Chelonia mydas</i>	27	LLS313/LLS314	38.9	39.4	42.3	36.5	30.0	32.1	8.0	North net
2/29/2016	<i>Caretta caretta</i>		LLS312/LLS315	58.3	59.8	63.4	61.3	49.7	45.5	31.4	North net

NOTES

1. REHAB (NON-CAUSAL). Stranding# RCW160201-01. Subadult Kemp's ridley in poor condition recovered from the intake canal (captured in the tangle nets). Shark attack victim. Inwater Research Group biologists (IRG) transported the turtle partway to the Gumbo Limbo Nature Center in Boca Raton for rehabilitation.
2. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 6/13/02, 9/23/04, 11/2/04, 4/18/05, 7/2/05, 8/16/05, 9/25/05, 1/18/06, 3/13/06, 7/23/06, 8/14/06, 9/10/06, 10/22/06, 11/6/07, 2/12/08, 12/5/08, 10/27/09, 2/21/10, 9/30/10, 12/23/11, 1/20/13, 5/17/13, 10/3/13, 1/28/14 and 2/3/16. Kyphotic & fat.
3. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 10/30/08, 11/7/11, 5/20/12, 8/9/12, 12/2/13, 1/31/14, 10/24/14, 3/11/15, 7/11/15 and 2/5/16.
4. REHAB (NON-CAUSAL). Stranding# JRG160206-01. PAPILOMAS (Balazs Tumor Score = 2 {moderate}, Total Tumor Score = 64). Underweight & lethargic juvenile green recovered from the permanent 5-inch barrier net. In poor condition with numerous papilloma tumors. Deep moderate fresh scrape in 1st vertebral scute. After consultation with the Florida Fish and Wildlife Conservation Commission (FWC), IRG transported the turtle partway to the Mote Marine Laboratory in Sarasota, FL for rehabilitation.
5. DEAD (NON-CAUSAL MORTALITY). Stranding# JRG160206-02. RECAPTURE, from 1/24/16. Moderately decomposed juvenile green turtle recovered from the permanent 5-inch barrier net. No obvious cause of death. Too decomposed to necropsy.
6. DEAD (NON-CAUSAL MORTALITY). Stranding# RCW160206-02. Severely decomposed juvenile green turtle recovered from the permanent 5-inch barrier net. No measurements were taken because the turtle was no longer intact (skeleton, skin and some partial organs were all that remained). Weight was estimated at 1.0 kg.
7. DEAD (NON-CAUSAL MORTALITY). Stranding# STW160207-01. Moderately decomposed juvenile green turtle recovered from the permanent 5-inch barrier net. Possible shark attack victim (series of puncture wounds in carapace and plastron). Believed to have been entrained postmortem. No fluid or foam in oral cavity. State of decomposition, as evidenced by skin slippage and foul odor, precluded necropsy.
8. REHAB (NON-CAUSAL). Stranding# STW160208-01. A large subadult loggerhead with recent shark attack injuries was captured in the tangle nets. It had extensive flipper damage and exposed broken bone. IRG transported the turtle partway to SeaWorld Orlando for rehab.
9. REHAB (NON-CAUSAL). Stranding# JRG160210-01. Subadult hawksbill recovered from the primary 5-inch barrier net in the morning. Lethargic and underweight, the turtle was behaving as if cold-stunned. IRG transported the turtle to the Loggerhead Marinelife Center in Juno Beach for rehab.
10. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/19/09, 3/8/10, 5/30/12, 3/31/13, 1/29/14, 9/5/14, 2/25/15, 7/9/15 and 2/11/16.
11. STRANGE TAG (Inconel Tag in LRF), cold stun turtle from Cape Cod, released at Little Talbot Island on 4/16/14. PAPILOMAS (Balazs Tumor Score = 2 {moderate}, Total Tumor Score = 78). FWC was consulted about possible rehabilitation due to the turtle's heavy papilloma load. However, all rehab facilities were full and we were instructed to release the turtle.
12. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 3/19/08, 6/28/13, 5/24/14 and 2/12/16. New Inconel tags inserted on this capture event.
13. PAPILOMAS (Balazs Tumor Score = 1 {light}, Total Tumor Score = 1). Plastron measurement not taken.
14. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 5/7/11 and 2/14/16.
15. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 1/8/07, 8/23/07 and 2/15/16. Adult male. Tail length = 270 mm. Sex determined based on tail length (even though SCL is not greater than 85cm). Deep moderate fresh scrape above right eye.
16. REHAB (NON-CAUSAL). Stranding# STW160215-01. Underweight and lethargic juvenile green turtle recovered from the primary 5-inch barrier net in the morning. Moderate scrape above right eye and upper left jaw/tomium. FWC arranged for transport to the Loggerhead Marinelife Center in Juno Beach (rehab).
17. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 1/12/07, 2/28/07, 7/12/07, 8/5/07, 9/8/07, 3/31/09, 12/2/09, 3/22/10, 10/12/10, 6/23/11, 10/20/11, 4/27/12, 5/20/12, 7/1/12, 11/16/14 and 2/17/16.

18. Adult female leatherback. Turtle had possible old entanglement injuries. There was necrotic tissue along the keel and leading edge of the left front flipper. Also, there were old scrapes on the head, but not from entrapment. However, there was a deep moderate fresh scrape above the left eye. Blood taken by Charles Manire, DVM from Loggerhead Marinelife Center to get basic blood parameters. Biopsies taken for genetic analyses. The weight was taken with the crane scale (+/- 50 pounds accuracy).
19. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/18/11, 4/26/12, 7/7/12, 1/30/13, 5/13/13, 11/14/13, 12/16/13, 7/15/14, 9/12/14, 1/23/15, 3/12/15, 4/14/15, 7/16/15, 12/15/15 and 2/21/16.
20. PAPILOMAS (Balazs Tumor Score = 1 {light}, Total Tumor Score = 1). Old wound to left posterior carapace and 3 small breaks from old impact wound to posterior plastron.
21. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/10/12, 12/18/12, 3/29/13, 12/13/13, 9/7/14, 7/25/15 and 2/23/16. Right posterior carapace slightly caved in from an old healed injury.
22. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 2/9/10, 4/3/13, 6/5/13, 12/2/13, 9/28/14, 11/4/15 and 2/25/16. New Inconel tag inserted (#LLS303).
23. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/23/09, 3/23/10, 9/22/10, 1/31/11, 10/13/11, 11/17/11, 12/20/12, 3/27/15, 8/3/15, 1/9/16 and 2/26/16.
24. REHAB (NON-CAUSAL). Stranding# STW160226-01. A subadult Kemp's ridley w/ extensive shark attack wounds caught in the tangle nets. Some soft tissue wounds were partially healed but deep gashes down to the bone remained in the flippers. After consultation with FWC, IRG transported the turtle to the Marinelife Center in Juno Beach for rehab.
25. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/18/07, 8/21/07, 8/24/07, 9/2/07, 9/10/07, 10/25/07, 12/17/07, 1/25/08, 4/6/08, 4/30/08, 7/13/08, 8/24/08, 9/13/08, 10/6/08, 10/18/08, 4/17/09, 6/17/09, 8/13/09, 10/27/09, 6/11/10, 9/15/10, 9/15/11, 10/21/11, 11/30/11, 7/7/12, 3/20/13, 11/4/15 and 2/27/16. Inconel tags both falling out (removed). No new tags applied due to multiple tag scars in each front flipper.
26. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/22/13, 1/25/14, 12/3/15 and 2/28/16.
27. PAPILOMAS (Balazs Tumor Score = 1 {light}, Total Tumor Score = 3). Small 2 cm hole in right posterior carapace (through to the bone, healing).

SMCL = Straight Minimum Carapace Length

SMCL = Straight Standard Carapace Length

CSCL = Curved Standard Carapace Length

CMCW = Curved Maximum Carapace Width

SMCW = Straight Maximum Carapace Width

SMPL = Straight Midline Plastron Length

	Loggerheads <i>(Caretta caretta)</i>		Green turtles <i>(Chelonia mydas)</i>		Hawksbills <i>(Eretmochelys imbricata)</i>		Leatherbacks <i>(Dermochelys coriacea)</i>		Kemp's ridley <i>(Lepidochelys kempii)</i>		Overall Totals	
	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date
Captures	42	71	36	72	1	1	1	1	4	4	84	149
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-Causal Mortalities	0	0	3	6	0	0	0	0	0	0	3	6
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to Rehab	1	5	2	4	1	1	0	0	2	2	6	12
Fresh Scrapes	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date	Feb-16	Year to Date
None	3	8	5	13	0	0	0	0	0	0	8	21
Minor	35	56	29	49	1	1	0	0	4	4	69	110
Moderate	4	7	2	10	0	0	1	1	0	0	7	18
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with Mod/Sev Scrapes	9.5%	9.9%	5.6%	13.9%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	8.3%	12.1%

St Lucie Power Plant Causal Turtles		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	**2016	Injury / Mortality Totals by Species
Loggerhead	Total Captures	538	623	484	419	227	420	260	295	302	232	303	275	275	71	4,724
	Injuries	0	0	1	*3	0	1	1	0	0	1	1	0	0	0	5
	Mortalities	0	1	0	*21	0	0	0	1	0	0	0	0	0	0	2
Green	Total Captures	394	286	428	267	101	299	161	444	217	127	196	134	180	72	3,306
	Injuries	1	0	3	7	0	2	2	1	0	0	0	0	0	0	16
	Mortalities	1	1	1	1	1	2	0	3	1	2	2	0	4	0	19
Leatherback	Total Captures	4	2	0	1	1	0	1	2	0	2	2	0	2	1	18
	Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mortalities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kemp's Ridley	Total Captures	2	1	3	3	0	2	0	7	0	0	0	2	7	4	31
	Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mortalities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawksbill	Total Captures	6	2	2	2	1	4	2	3	2	1	2	3	1	1	32
	Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mortalities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Injury & Mortality Yearly Totals		2	2	5	32	1	5	3	5	1	3	3	0	4	0	66
Total Captures per Year		944	914	917	692	330	725	424	751	521	362	503	414	465	149	8,111

* The loggerhead causal injuries and mortalities in 2006 were all hatchlings.

** 2016 is a partial year.

