

NRR-DMPSPEm Resource

From: Steve Weege <sweege@inwater.org>
Sent: Friday, January 18, 2019 2:28 PM
To: Koperski, Meghan
Cc: Ed Hollowell; Jodie_Gless@fpl.com; Ken_Frehafer@fpl.com; MTP@myfwc.com; Michael Bresette; EndangeredSpecies Resource; SCO@dep.state.fl.us; Vince Munne; Cody Mott; Jeff Guertin; Ryan Welsh; debbie.spring@noaa.gov; Eaton, Kristin; Jonathon Gorham; William.Nurnberger@fpl.com; audra.livergood@noaa.gov; Ryan Chabot
Subject: [External_Sender] December 2018 FPL Marine Turtle Removal Monthly Report
Attachments: December 2018 Marine Turtle Captures.pdf; Monthly Report Notes 2018.pdf; FPL St. Lucie Capture Summary 2018.pdf

Mrs. Meghan Koperski
Tequesta Field Laboratory
19100 SE Federal Highway
Tequesta, FL 33469

Subject: Marine Turtle Removal Monthly Summary December 2018

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for December 2018. This month we captured 12 *Caretta caretta* and five *Chelonia mydas* in the intake canal of the St. Lucie power plant on Hutchinson Island. There were no mortalities or sea turtles sent for rehabilitation in December.

The primary 5-inch barrier net encountered negligible loads of algae during the month. Moreover, the primary 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 2018. In addition, this spreadsheet tracks fresh scrapes incurred on captured turtles for the current month, as well as the entire year.

Please feel free to contact me with any questions.

Sincerely,

Steve

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From: Steve Weege

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Files	Size	Date & Time
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December 2018 Marine Turtle Captures.pdf		72608
Monthly Report Notes 2018.pdf	52591	
FPL St. Lucie Capture Summary 2018.pdf		75563

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MARINE TURTLE REMOVALS ST. LUCIE PLANT INTAKE CANAL DECEMBER 2018

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
12/3/2018	<i>Caretta caretta</i>		KKG068/KKG069	64.9	66.2	71.6	67.6	54.1	50.1	39.6	North net
12/6/2018	<i>Chelonia mydas</i>		KKG070/KKG071	49.5	50.1	53.0	45.6	39.0	39.2	15.0	South net
12/7/2018	<i>Caretta caretta</i>		KKG072/KKG073	59.2	61.1	64.4	61.5	54.3	49.2	35.9	North net
12/8/2018	<i>Caretta caretta</i>		KKG074/KKG075	66.0	67.0	72.8	69.9	56.6	51.0	46.0	South net
12/10/2018	<i>Caretta caretta</i>		KKG102/KKG103	68.0	69.4	74.4	72.5	57.6	55.3	50.1	North net
12/10/2018	<i>Chelonia mydas</i>	1	MMY347/KKG101	47.0	47.5	51.1	46.1	37.4	38.9	14.3	South net
12/14/2018	<i>Caretta caretta</i>		KKG104/KKG105	82.1	83.9	90.4	83.5	65.1	62.3	82.0	North net
12/17/2018	<i>Caretta caretta</i>		KKG106/KKG107	65.5	66.4	71.5	73.2	56.7	50.6	43.1	North net
12/17/2018	<i>Chelonia mydas</i>	2	MMY144	47.6	47.8	51.6	43.7	36.5	38.5	14.1	North net
12/17/2018	<i>Chelonia mydas</i>	3	MMY374/MMY375	45.4	45.7	48.4	43.7	37.3	37.8	12.9	North net
12/19/2018	<i>Caretta caretta</i>		KKG108/KKG109	62.7	63.5	68.7	67.1	52.6	58.0	37.8	North net
12/19/2018	<i>Caretta caretta</i>		KKG110/KKG111	66.8	68.0	73.7	69.6	54.7	52.5	38.8	North net
12/19/2018	<i>Caretta caretta</i>		KKG112/KKG113	66.6	67.6	72.0	70.7	55.6	52.6	45.4	North net
12/20/2018	<i>Caretta caretta</i>		KKG114/KKG115	68.7	70.0	75.6	71.0	56.4	52.0	46.3	North net
12/27/2018	<i>Caretta caretta</i>		KKG116/KKG117	61.5	62.6	67.5	66.0	54.1	50.6	38.9	North net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
12/28/2018	<i>Chelonia mydas</i>	4	KKG050/KKG051	58.8	59.8	63.5	57.9	48.7	48.7	25.1	North net
12/31/2018	<i>Caretta caretta</i>		KKG118/KKG119	67.5	68.8	75.5	74.0	59.5	53.1	48.5	North net

NOTES

1. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 7/19/18 and 12/10/18.
2. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/21/18 and 12/17/18. Turtle missing 25% from terminal end of left rear flipper (healed).
3. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/12/18, 10/5/18, and 12/17/18.
4. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/19/18 and 12/28/18. Old shark rakings across carapace.

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	
	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date
Captures	12	238	5	246	0	1	0	1	0	11	17	497
Causal Mortalities	0	0	0	6	0	0	0	0	0	0	0	6
Non-causal Mortalities	0	0	0	3	0	0	0	0	0	0	0	3
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	9	0	5	0	0	0	0	0	0	0	14
Fresh Scrapes	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date	Dec-18	Year to Date
None	1	23	1	25	0	0	0	0	0	0	2	48
Minor	11	206	4	215	0	1	0	1	0	11	15	434
Moderate	0	9	0	6	0	0	0	0	0	0	0	15
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	0.0%	3.8%	0.0%	2.4%	#DIV/0!	0.0%	#DIV/0!	0.0%	#DIV/0!	0.0%	0.0%	3.0%