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Sent: Friday, April 10, 2020 9:56 AM
To: Koperski, Meghan
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Subject: [External_Sender] March 2020 FPL Marine Turtle Removal Monthly Report
Attachments: March 2020 Marine Turtle Captures.pdf; Monthly Report Notes 2020.pdf; FPL St. Lucie Capture Summary 2020.pdf

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

Subject: Marine Turtle Removal Monthly Summary March 2020

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for March 2020. This month we captured two *Caretta caretta* and seven *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 this month.

The primary 5-inch barrier net encountered light amounts of algae throughout the month. The short-term refueling outage for Unit 2 that began mid-February has concluded. In addition, Underwater Engineering Services performed the quarterly net inspections on the first two barrier nets (the 5-inch and 8-inch A-1-A) as well as the semiannual inspection of the UIDS net; the barrier nets were found to be in good working condition. Altogether, 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 2020. 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

Steve Weege

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From: Steve Weege

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Files	Size	Date & Time
MESSAGE	1686	4/10/2020 9:55:53 AM
March 2020 Marine Turtle Captures.pdf		245188
Monthly Report Notes 2020.pdf	171042	
FPL St. Lucie Capture Summary 2020.pdf		251093

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**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
MARCH 2020**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
3/1/2020	<i>Chelonia mydas</i>	1	KKT128/KKT129	39.1	39.3	41.8	34.9	30.5	32.3	8.1	North net
3/2/2020	<i>Chelonia mydas</i>		IRG0067/IRG0068	27.9	28.1	29.7	26.6	23.4	23.5	2.9	Dip net
3/4/2020	<i>Chelonia mydas</i>		IRG0069/IRG0070	28.6	29.0	30.6	26.0	23.7	24.2	3.4	Dip net
3/4/2020	<i>Chelonia mydas</i>		IRG0071/IRG0072	28.5	28.8	30.7	25.5	22.3	24.0	3.2	Dip net
3/4/2020	<i>Chelonia mydas</i>		IRG0073/IRG0074	29.6	29.9	31.3	27.6	24.6	24.8	3.2	Dip net
3/4/2020	<i>Chelonia mydas</i>		IRG0075/KKT130	28.7	28.9	30.5	27.0	23.9	23.8	2.9	Dip net
3/10/2020	<i>Chelonia mydas</i>		IRG0076/IRG0077	27.3	27.4	29.1	26.0	22.6	21.9	2.5	Dip net
3/25/2020	<i>Caretta caretta</i>		KKT131/KKT132	63.0	64.4	69.0	66.8	52.6	49.0	37.8	South net
3/29/2020	<i>Caretta caretta</i>		KKT133/KKT134	68.9	70.0	76.1	69.5	58.7	55.3	50.9	North net

NOTES

1. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/19/18, 5/24/18, 11/5/18, and 3/1/20.

SMCL = Straight Minimum Carapace Length

SMCL = Straight Standard Carapace Length

CSCCL = 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	
	Mar-20	Year to Date	Mar-20	Year to Date	Mar-20	Year to Date	Mar-20	Year to Date	Mar-20	Year to Date	Mar-20	Year to Date
Captures	2	24	7	47	0	0	0	0	0	5	9	76
Causal Mortalities	0	0	0	1	0	0	0	0	0	0	0	1
Non-causal Mortalities	0	0	0	2	0	0	0	0	0	0	0	2
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	1	0	1	0	0	0	0	0	2	0	4
Fresh Scrapes	Mar-	Year to Date	Mar-	Year to Date	Mar-	Year to Date	Mar-	Year to Date	Mar-	Year to Date	Mar-	Year to Date
None	0	2	3	10	0	0	0	0	0	2	3	14
Minor	2	22	4	37	0	0	0	0	0	3	6	62
Moderate	0	0	0	0	0	0	0	0	0	0	0	0
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	0.0%	0.0%	0.0%	0.0%	N/A	N/A	N/A	N/A	N/A	0.0%	0.0%	0.0%