

From: Steve Weege <sweege@inwater.org>
Sent: Friday, March 19, 2021 2:31 PM
To: Koperski, Meghan
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Subject: [External_Sender] February 2021 FPL Marine Turtle Removal Monthly Report
Attachments: February 2021 Marine Turtle Captures.pdf; Monthly Report Notes 2021.pdf; FPL St. Lucie Capture Summary 2021.pdf

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

Subject: Marine Turtle Removal Monthly Summary February 2021

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for February 2021. This month we captured seven *Caretta caretta*, seven *Chelonia mydas*, and one *Lepidochelys kempii* in the intake canal of the St. Lucie power plant on Hutchinson Island. Two sea turtles were sent for rehabilitation and there were no mortalities during the month of February. As with all sea turtle strandings at the Saint Lucie Plant, the Florida Fish and Wildlife Conservation Commission (FWC) was consulted and stranding forms were filed with the state through the Sea Turtle Stranding and Salvage Network.

Two sea turtles were sent to rehab for non-causal injuries or illness this month. On February 13th, an emaciated and lethargic subadult loggerhead was found swimming along the primary 5-inch barrier net in the morning. The FWC Stranding Coordinator picked up and transported this turtle for rehab at the Loggerhead Marinelife Center in Juno Beach. On February 25th, a juvenile green turtle was captured in the tangle nets with recent shark attack injuries. It had a deep cut in the posterior plastron that extended into the body cavity and a deep gash in its rear flipper that severed the bone. The turtle also had a light case of papillomatosis and the tumors were regressing. A rehab facility volunteer transported this turtle to the Gumbo Limbo Nature Center in Boca Raton for rehabilitation. Because these turtles were sent for rehabilitation for injuries/illnesses that were unrelated to the power plant, they were classified as non-causal. The primary 5-inch barrier net encountered negligible amounts of algae throughout the month. 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 2021. 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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February 2021 Marine Turtle Captures.pdf		254397
Monthly Report Notes 2021.pdf	183204	
FPL St. Lucie Capture Summary 2021.pdf		251524

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MARINE TURTLE REMOVALS ST. LUCIE PLANT INTAKE CANAL FEBRUARY 2021

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
2/3/2021	<i>Chelonia mydas</i>	1	KKY146/KKY147	61.2	61.5	64.3	53.5	48.2	50.8	30.3	South net
2/4/2021	<i>Chelonia mydas</i>		IRG0402/IRG0403	27.6	27.9	29.4	23.9	21.1	22.5	2.7	Dip net
2/6/2021	<i>Chelonia mydas</i>		IRG0404/IRG0405	27.2	28.0	30.3	26.0	23.0	23.3	2.7	North net
2/7/2021	<i>Chelonia mydas</i>		IRG0406/IRG0407	31.1	31.1	33.4	27.8	24.5	25.7	3.5	Barrier net
2/9/2021	<i>Caretta caretta</i>		KKY148/KKY149	71.5	72.9	76.0	75.7	59.4	57.2	55.2	South net
2/10/2021	<i>Chelonia mydas</i>		KKY150/KKY151	64.9	65.1	67.5	60.3	51.8	53.3	33.2	South net
2/13/2021	<i>Caretta caretta</i>	2	ANS210213-001	67.0	68.8	71.6	68.3	57.7	51.0	31.5	Barrier net
2/15/2021	<i>Chelonia mydas</i>	3	KKT313	49.9	50.0	53.0	45.2	37.4	40.0	14.8	South net
2/15/2021	<i>Lepidochelys kempii</i>		KKY152/KKY153	53.9	54.4	56.3	62.3	56.9	42.4	22.2	South net
2/18/2021	<i>Caretta caretta</i>		KKY154/KKY155	66.8	67.7	71.1	71.4	58.2	52.9	43.9	North net
2/19/2021	<i>Caretta caretta</i>		KKY156/KKY157	70.8	72.0	75.7	70.8	59.3	57.6	52.8	North net
2/22/2021	<i>Caretta caretta</i>		KKY158/KKY159	76.5	77.4	82.4	77.3	61.0	58.1	64.8	North net
2/25/2021	<i>Chelonia mydas</i>	4	EEM210225-001	37.2	37.4	38.9	33.2	29.8	31.6	5.8	South net
2/26/2021	<i>Caretta caretta</i>		KKY160/KKY161	67.5	69.0	75.0	69.0	56.0	53.1	56.3	North net
2/26/2021	<i>Caretta caretta</i>		KKY162/KKY163	54.1	55.5	59.5	57.5	47.0	43.4	27.8	North net

NOTES

1. PAPILLOMAS (Balazs Tumor Score = 1 {light}, Total Tumor Score = 2). Tumors are regressing. Healing constriction wound in left shoulder.
2. REHAB (NON-CAUSAL). Stranding# ANS210213-001. Emaciated and lethargic subadult loggerhead found swimming along the primary 5-inch barrier net in the morning. FWC Stranding Coordinator picked up and transported this turtle for rehab at the Loggerhead Marinelife Center in Juno Beach.
3. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/21/18, 12/17/18, 4/3/19, 9/13/19, 9/26/19, 2/20/20, 8/12/20, 10/6/20, and 2/15/21.
4. REHAB (NON-CAUSAL). Stranding# EEM210225-001. PAPILLOMAS (Balazs Tumor Score = 1 {light}, Total Tumor Score = 3). Tumors are regressing. Juvenile green turtle captured in the tangle nets with recent shark attack injuries. Deep cut in posterior plastron extends into the body cavity. Deep gash in the left rear flipper that severed the bone. Injuries are recent and the turtle still has an overall good body condition. Facility volunteer took to Gumbo Limbo Nature Center in Boca Raton for rehab.

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-21	Year to Date	Feb-21	Year to Date	Feb-21	Year to Date	Feb-21	Year to Date	Feb-21	Year to Date	Feb-21	Year to Date
Captures	7	18	7	20	0	0	0	0	1	3	15	41
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	2	4	0	0	0	0	0	0	0	0	2	4
Fresh Scrapes	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date
None	0	0	1	4	0	0	0	0	0	1	1	5
Minor	7	18	6	16	0	0	0	0	1	2	14	36
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	0.0%	0.0%	0.0%	0.0%