

From: Steve Weege <sweege@inwater.org>
Sent: Friday, February 18, 2022 12:12 PM
To: Koperski, Meghan
Cc: Jodie_Gless@fpl.com; Ken_Frehafer@fpl.com; Marine Turtle Permits; Michael Bresette; EndangeredSpecies Resource; SCO@dep.state.fl.us; Vince Munne; Eaton, Kristin; William Nurnberger; audra.livergood@noaa.gov; Sciscente, Richard; Seth.Duston@fpl.com; Cody Mott; Jguertin
Subject: [External_Sender] January 2022 FPL Marine Turtle Removal Monthly Report
Attachments: January 2022 Marine Turtle Captures.pdf; Monthly Report Notes 2022.pdf; FPL St. Lucie Capture Summary 2022.pdf

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

**Subject: Marine Turtle Removal Monthly Summary
January 2022**

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for January 2022. This month we captured eight *Caretta caretta* and nine *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 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 2022. 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

Created By: sweege@inwater.org

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Files	Size	Date & Time
MESSAGE	1380	2/18/2022 12:12:54 PM
January 2022 Marine Turtle Captures.pdf		83714
Monthly Report Notes 2022.pdf	61867	
FPL St. Lucie Capture Summary 2022.pdf		83875

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**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
JANUARY 2022**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/2/2022	<i>Caretta caretta</i>		FFE513/FFE514	65.5	66.7	70.5	68.5	54.4	50.5	42.0	North net
1/3/2022	<i>Caretta caretta</i>		FFE515/FFE516	68.1	69.8	76.8	72.0	58.5	54.2	52.6	North net
1/4/2022	<i>Caretta caretta</i>		FFE517/FFE518	63.5	64.8	67.4	67.0	54.8	50.1	37.7	South net
1/5/2022	<i>Caretta caretta</i>		FFE519/FFE520	62.7	64.2	67.1	63.3	52.4	51.4	35.7	North net
1/5/2022	<i>Chelonia mydas</i>	1	KKG101	52.8	52.8	54.9	50.0	40.5	43.7	19.6	North net
1/6/2022	<i>Chelonia mydas</i>	2	FFE521	51.1	51.4	53.3	46.1	39.8	40.7	16.3	South net
1/15/2022	<i>Caretta caretta</i>		FFE522/FFE523	61.8	63.0	68.4	64.3	52.6	47.7	33.4	North net
1/21/2022	<i>Chelonia mydas</i>	3	FFE423/FFE424	39.9	40.2	41.3	35.2	31.7	32.2	7.7	Hand capture
1/21/2022	<i>Caretta caretta</i>		FFE524/FFE525	68.9	69.5	73.5	71.9	56.9	54.7	49.0	Hand capture
1/27/2022	<i>Caretta caretta</i>		FFE526/FFE527	61.7	63.4	66.9	64.1	55.1	48.2	37.8	North net
1/28/2022	<i>Caretta caretta</i>		FFE528/FFE529	80.3	81.6	87.8	83.1	67.0	64.6	89.5	North net
1/28/2022	<i>Chelonia mydas</i>	4	FFE530/FFE531	65.3	65.9	69.3	63.1	52.3	52.0	38.0	South net
1/30/2022	<i>Chelonia mydas</i>	5	FFE532/FFE533	90.2	90.6	93.2	83.5	71.2	72.2	93.8	South net
1/31/2022	<i>Chelonia mydas</i>		FFE534/FFE535	29.9	30.6	31.4	27.9	25.6	25.7	3.6	South net
1/31/2022	<i>Chelonia mydas</i>	6	FFE536/FFE537	95.8	96.7	100.9	89.3	74.0	76.8	121.1	North net
1/31/2022	<i>Chelonia mydas</i>		IRG0420/IRG0421	25.6	25.6	26.9	24.8	21.5	22.0	2.6	South net
1/31/2022	<i>Chelonia mydas</i>		IRG0422/IRG0423	26.4	26.7	28.3	24.7	21.2	22.0	2.1	Barrier net

NOTES

1. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 7/19/18, 12/10/18, 3/31/19, 12/9/19, 1/7/20, 2/15/20, 5/5/20, 8/11/20, 10/25/20, 1/13/21, 4/22/21, and 1/5/22. No new Inconel tag inserted due to multiple tag scars.
2. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/27/18, 4/19/19, 6/3/19, 9/14/19, 10/8/19, 12/2/19, 1/3/20, 8/16/20, 1/23/21, and 1/6/22. One new Inconel tag inserted in right front flipper.
3. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/15/21, 10/31/21, 12/10/21, and 1/21/22.
4. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 2/15/15 and 1/28/22.
5. Adult male green turtle Tail length = 414 mm.
6. Adult female green turtle Tail length = 280 mm.

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	
	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date
Captures	8	8	9	9	0	0	0	0	0	0	17	17
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	0	0	0	0	0	0	0	0	0	0	0	0
Fresh Scrapes	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date	Jan-22	Year to Date
None	1	1	0	0	0	0	0	0	0	0	1	1
Minor	7	7	9	9	0	0	0	0	0	0	16	16
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	N/A	0.0%	0.0%