

**From:** Steve Weege <sweege@inwater.org>  
**Sent:** Monday, August 22, 2022 8:37 AM  
**To:** Koperski, Meghan  
**Cc:** Eldridge, Jodie; Marine Turtle Permits; Michael Bresette; EndangeredSpecies Resource; SCO@dep.state.fl.us; Vince Munne; Eaton, Kristin; William Nurnberger; Audra Livergood - NOAA Federal; Seth.Duston@fpl.com; Cody Mott; Jguertin  
**Subject:** [External\_Sender] July 2022 FPL Marine Turtle Removal Monthly Report  
**Attachments:** July 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  
July 2022**

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for July 2022. This month we captured ten *Caretta caretta* 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 moderate-to-severe amounts of algae this past month. IRG performed around-the-clock monitoring of the intake canal and barrier net system either as warranted by sufficiently high debris intrusion levels or whenever directed by FPL oversight personnel.

Furthermore, Underwater Engineering Services (UESI) divers inspected and cleaned the 5-inch barrier net as needed. 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

Steve Weege

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**Sent Date:** 8/22/2022 8:37:08 AM  
**Received Date:** 8/22/2022 8:37:29 AM  
**From:** Steve Weege

**Created By:** sweege@inwater.org

**Recipients:**

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Tracking Status: None  
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**Post Office:** mail.gmail.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1687	8/22/2022 8:37:29 AM
July 2022 Marine Turtle Captures.pdf		244487
Monthly Report Notes 2022.pdf	179611	
FPL St. Lucie Capture Summary 2022.pdf		251207

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**Expiration Date:**



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

<b>Date</b>	<b>Species</b>	<b>Note</b>	<b>Tag #'s</b>	<b>SMCL (cm)</b>	<b>SSCL (cm)</b>	<b>CSCL (cm)</b>	<b>CMCW (cm)</b>	<b>SMCW (cm)</b>	<b>SMPL (cm)</b>	<b>Weight (kg)</b>	<b>Method</b>
7/9/2022	<i>Caretta caretta</i>		FFE724/FFE725	72.3	74.4	79.0	73.4	56.8	58.8	59.9	Hand capture
7/11/2022	<i>Caretta caretta</i>	1	FFE726/FFE727	86.4	87.6	94.8	84.0	66.4	65.9	84.7	South net
7/14/2022	<i>Caretta caretta</i>	2	FFE728/FFE729	89.9	90.7	96.8	93.9	72.8	72.0	116.5	Hand capture
7/21/2022	<i>Caretta caretta</i>	3	FFE730/FFE731	88.9	90.0	96.2	86.5	69.4	65.2	96.4	North net
7/23/2022	<i>Caretta caretta</i>		FFE732/FFE733	54.1	55.1	60.3	55.6	46.7	44.5	24.4	North net
7/23/2022	<i>Caretta caretta</i>	4	FFE734/FFE735	94.4	95.2	102.2	90.6	70.4	73.8	123.0	North net
7/24/2022	<i>Caretta caretta</i>		FFE736/FFE737	67.5	68.3	72.9	70.9	57.6	53.5	48.1	North net
7/25/2022	<i>Caretta caretta</i>		FFE738/FFE739	79.0	80.5	85.6	79.8	63.2	60.2	76.8	North net
7/30/2022	<i>Caretta caretta</i>	5	HA7164/FFE740	88.8	89.4	100.0	84.7	65.6	67.2	93.6	North net
7/31/2022	<i>Caretta caretta</i>	6	FFE741/FFE742	93.5	94.7	102.0	90.0	70.4	71.9	117.4	North net

## NOTES

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1. Adult female loggerhead. Tail length = 189 mm.
2. Adult female loggerhead. Tail length = 287 mm.
3. Adult female loggerhead. Tail length = 202 mm.
4. Adult female loggerhead. Tail length = 250 mm.
5. Adult female loggerhead. Tail length = 179 mm. STRANGE TAG (Inconel tag #HA7164 in left front flipper & PIT tag in right front flipper), whereabouts pending, but likely a nesting turtle tagged by UCF at the Archie Carr National Wildlife Refuge. One new Inconel tag applied to right front flipper (#FFE740).
6. Adult female loggerhead. Tail length = 238 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	
	Jul-22	Year to Date	Jul-22	Year to Date	Jul-22	Year to Date	Jul-22	Year to Date	Jul-22	Year to Date	Jul-22	Year to Date
<b>Captures</b>	<b>10</b>	100	<b>0</b>	40	<b>0</b>	0	<b>0</b>	1	<b>0</b>	1	<b>10</b>	142
<b>Causal Mortalities</b>	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	1	<b>0</b>	1
<b>Non-causal Mortalities</b>	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0
<b>Causal Injuries</b>	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0
<b>Sent to rehab</b>	<b>0</b>	3	<b>0</b>	2	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	5
<b>Fresh Scrapes</b>	<b>Jul-22</b>	<b>Year to Date</b>	<b>Jul-22</b>	<b>Year to Date</b>	<b>Jul-22</b>	<b>Year to Date</b>	<b>Jul-22</b>	<b>Year to Date</b>	<b>Jul-22</b>	<b>Year to Date</b>	<b>Jul-22</b>	<b>Year to Date</b>
<b>None</b>	<b>3</b>	17	<b>0</b>	6	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>3</b>	23
<b>Minor</b>	<b>7</b>	76	<b>0</b>	34	<b>0</b>	0	<b>0</b>	0	<b>0</b>	1	<b>7</b>	111
<b>Moderate</b>	<b>0</b>	7	<b>0</b>	0	<b>0</b>	0	<b>0</b>	1	<b>0</b>	0	<b>0</b>	8
<b>Severe</b>	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0
<b>Percent with mod/sev scrapes</b>	<b>0.0%</b>	7.0%	<b>N/A</b>	0.0%	<b>N/A</b>	N/A	<b>N/A</b>	100.0%	<b>N/A</b>	0.0%	<b>0.0%</b>	5.6%