

From: [Steve Weege](#)
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](#); [Cody Mott](#); [Jguertin](#)
Subject: [External_Sender] August 2022 FPL Marine Turtle Removal Monthly Report
Date: Friday, September 16, 2022 5:32:51 AM
Attachments: [August 2022 Marine Turtle Captures.rtf](#)
[Monthly Report Notes 2022.xls](#)
[FPL St. Lucie Capture Summary 2022.xls](#)

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

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

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for August 2022. This month we captured 14 *Caretta caretta* and two *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 severe amounts of jellyfish and only light-to-moderate 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

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

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
8/1/2022	<i>Caretta caretta</i>	1	FFE743/FFE744	91.7	93.6	99.5	88.4	69.4	72.9	107.3	South net
8/4/2022	<i>Chelonia mydas</i>	2	FFE745/FFE746	38.0	38.2	41.0	34.6	29.3	30.5	7.7	South net
8/7/2022	<i>Caretta caretta</i>		FFE747/FFE748	72.8	74.9	80.5	75.1	60.6	57.6	57.7	North net
8/7/2022	<i>Caretta caretta</i>	3	FFE749/FFE750	93.3	94.7	101.5	91.2	70.8	71.3	108.8	North net
8/8/2022	<i>Caretta caretta</i>		FFE751/FFE752	57.5	58.2	61.7	56.3	47.3	45.1	26.3	North net
8/9/2022	<i>Caretta caretta</i>	4	FFE753/FFE754	77.4	78.6	84.8	79.4	59.5	57.4	63.1	North net
8/10/2022	<i>Caretta caretta</i>	5	FFE755	75.4	77.9	82.7	76.9	61.1	58.5	59.6	North net
8/11/2022	<i>Caretta caretta</i>	6	KKL0681/KKL0680	63.6	65.2	71.0	64.7	54.2	48.0	39.1	North net
8/13/2022	<i>Caretta caretta</i>	7	FFE756/FFE757	90.0	91.0	98.1	86.1	64.1	67.0	102.6	North net
8/14/2022	<i>Caretta caretta</i>	8	FFE758/FFE759	84.5	87.8	93.4	81.1	68.1	68.0	100.5	North net
8/14/2022	<i>Caretta caretta</i>		FFE761/FFE760	74.8	77.0	80.5	74.1	58.5	57.4	57.4	North net
8/15/2022	<i>Caretta caretta</i>	9	FFE762/FFE763	90.5	92.1	98.7	90.6	69.7	70.6	113.7	North net
8/17/2022	<i>Caretta caretta</i>		FFE765/FFE766	64.0	65.4	68.8	64.9	53.9	49.8	36.7	North net
8/20/2022	<i>Chelonia mydas</i>	10	KKL0805/FFE767	60.0	60.5	64.2	57.5	47.1	47.5	28.7	South net
8/26/2022	<i>Caretta caretta</i>		FFE768/FFE769	70.5	72.4	78.6	73.7	62.0	53.7	53.5	North net
8/26/2022	<i>Caretta caretta</i>	11	FFE770/FFE771	99.5	101.6	109.8	96.2	72.2	76.2	137.6	North net

NOTES

1. Adult female loggerhead. Tail length = 253 mm.
2. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 6/16/22 and 8/4/22. New Inconel tags inserted on this capture event.
3. Adult female loggerhead. Tail length = 253 mm.
4. Adult male loggerhead. Tail length = 245 mm. Sex determination based on tail length (extends beyond carapace).
5. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/18/07, 8/21/07, 8/24/07, 9/2/07, 9/10/07, 10/25/07, 12/17/07, 1/25/08, 4/6/08, 4/30/08, 7/13/08, 8/24/08, 9/13/08, 10/6/08, 10/18/08, 4/17/09, 6/17/09, 8/13/09, 10/27/09, 6/11/10, 9/15/10, 9/15/11, 10/21/11, 11/30/11, 7/7/12, 3/20/13, 11/4/15, 2/27/16, 1/6/17, 5/30/17, 9/24/17, 2/9/18, 5/7/18, 4/21/19, 11/14/20, and 8/10/22. Shark rakings on dorsal side of head. One new Inconel tag inserted.
6. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/23/19, 12/15/19, 1/19/20, 7/24/20, 3/3/21, 6/8/21, 8/11/21, 10/19/21, 3/12/22, and 8/11/22.
7. Adult female loggerhead. Tail length = 218 mm. Small patches of necrotic tissue in ventral sides of both front flippers (possibly mating/bite wounds).
8. Adult female loggerhead. Tail length = 193 mm.
9. Adult female loggerhead. Tail length = 215 mm.
10. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/23/19 and 8/20/22. One new Inconel tag inserted on this capture event.
11. Adult female loggerhead. Tail length = 216 mm. Turtle missing 35% of right front flipper (healed).

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	
	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date
Captures	14	114	2	42	0	0	0	1	0	1	16	158
Causal Mortalities	0	0	0	0	0	0	0	0	0	1	0	1
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	3	0	2	0	0	0	0	0	0	0	5
Fresh Scrapes	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date	Aug-22	Year to Date
None	0	17	0	6	0	0	0	0	0	0	0	23
Minor	14	90	2	36	0	0	0	0	0	1	16	127
Moderate	0	7	0	0	0	0	0	1	0	0	0	8
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	0.0%	6.1%	0.0%	0.0%	N/A	N/A	N/A	100.0%	N/A	0.0%	0.0%	5.1%