

**From:** Ryan Welsh <rwelsh@inwater.org>  
**Sent:** Friday, April 7, 2023 11:37 AM  
**To:** sco@dep.state.fl.us; Annessia Michaels; Eaton, Kristin; Jguertin; Koperski, Meghan; andrew.mchenry@fpl.com; William Nurnberger; Cody Mott; Falkiewicz, Timothy; Audra Livergood - NOAA Federal; Damon Hobson; Eldridge, Jodie; EndangeredSpecies Resource; robert.craven@fpl.com; Marine Turtle Permits; Vince Munne; Michael Bresette  
**Subject:** [External\_Sender] March 2023 FPL Marine Turtle Removal Monthly Report  
**Attachments:** monthly report notes 2023.pdf; march 2023 marine turtle captures.pdf; fpl st lucie capture summary 2023.pdf; March '23 Sea Turtle Monthly Report.pdf

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for March 2023. This month we captured three *Caretta caretta*, seven *Chelonia mydas*, and one *Lepidochelys kempii* 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 only negligible amounts of algae in March. Directed by FPL oversight, UESI divers performed quarterly inspections of the 5-inch and 8-inch barrier nets. 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 2023.

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.

Ryan Welsh

**Hearing Identifier:** NRR\_DRMA  
**Email Number:** 2170

**Mail Envelope Properties** (CANcFm8ZX5=p5VEhHVLqq=dBqTKvkkStqkGJF5sQY4Q8z48HoTg)

**Subject:** [External\_Sender] March 2023 FPL Marine Turtle Removal Monthly Report  
**Sent Date:** 4/7/2023 11:37:19 AM  
**Received Date:** 4/7/2023 11:37:58 AM  
**From:** Ryan Welsh

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

**Recipients:**

"sco@dep.state.fl.us" <sco@dep.state.fl.us>  
Tracking Status: None  
"Annessia Michaels" <amichaels@inwater.org>  
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"Eaton, Kristin" <kristin.eaton@fpl.com>  
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"Damon Hobson" <damon.hobson@fpl.com>  
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"Eldridge, Jodie" <jodie.eldridge@nexteraenergy.com>  
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"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>  
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"robert.craven@fpl.com" <robert.craven@fpl.com>  
Tracking Status: None  
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Tracking Status: None

**Post Office:** mail.gmail.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1144	4/7/2023 11:37:58 AM
monthly report notes 2023.pdf	171106	
march 2023 marine turtle captures.pdf	243777	

fpl st lucie capture summary 2023.pdf  
March '23 Sea Turtle Monthly Report.pdf

252124  
183140

**Options**

**Priority:** Normal  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**

## NOTES

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- RECAPTURE, from 10/29/23 and 4/26/16. Only 1 inconel tag due to multiple tag scars. Healed notch on LRF.
1. COLLABORATIONS: Blood taken for Justin Perrault, PhD at Loggerhead Marinelife Center examining fibropapillomatosis in loggerhead sea turtles through antibody analysis.

*SMCL = Straight Minimum Carapace Length*  
*SMCL = Straight Standard Carapace Length*  
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*CMCW = Curved Maximum Carapace Width*  
*SMCW = Straight Maximum Carapace Width*  
*SMPL = Straight Midline Plastron Length*

## MARINE TURTLE REMOVALS ST. LUCIE PLANT INTAKE CANAL

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
3/2/2023	<i>Lepidochelys kempii</i>		FFM412/FFM413	52.4	53.6	56.0	59.6	53.5	40.7	20.0	North net
3/12/2023	<i>Chelonia mydas</i>		FFM414/FFM415	34.0	34.7	37.1	33.1	27.9	28.0	5.1	Dip net
3/17/2023	<i>Chelonia mydas</i>		FFM416/FFM417	30.5	30.7	32.1	28.6	25.2	24.9	3.4	South net
3/21/2023	<i>Chelonia mydas</i>		IRG0626/IRG0627	26.6	26.8	28.1	25.3	21.5	22.6	2.5	Dip net
3/21/2023	<i>Chelonia mydas</i>		IRG0628/IRG0629	22.0	22.2	23.7	20.6	18.3	18.0	1.4	Dip net
3/22/2023	<i>Caretta caretta</i>		FFM418/FFM419	67.1	67.5	68.7	72.5	54.7	51.0	41.2	North net
3/23/2023	<i>Caretta caretta</i>		FFM420/FFM421	67.1	69.0	73.6	71.7	56.8	51.3	46.7	North net
3/23/2023	<i>Chelonia mydas</i>		IRG0630/IRG0631	27.0	27.3	28.9	25.1	22.1	22.4	2.6	South net
3/25/2023	<i>Caretta caretta</i>	1	FFM422/	82.3	83.7	89.1	82.0	64.3	63.2	85.3	North net
3/27/2023	<i>Chelonia mydas</i>		FFM423/FFM424	31.6	32.0	32.4	29.0	26.4	26.6	4.3	South net
3/29/2023	<i>Chelonia mydas</i>		IRG0632/IRG0633	28.5	28.8	29.4	26.0	23.2	23.8	2.9	Dip net

	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>		Olive ridley <i>(Lepidochelys olivacea)</i>		Overall Totals	
	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date
<b>Captures</b>	3	11	7	71	0	0	0	0	1	2	0	1	11	85
<b>Causal Mortalities</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Non-Causal Mortalities</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Causal Injuries</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sent to rehab</b>	0	0	0	1	0	0	0	0	0	0	0	0	0	1
<b>Fresh Scrapes</b>	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date	Mar-23	Year to Date
<b>None</b>	0	3	0	9	0	0	0	0	0	0	0	0	0	12
<b>Minor</b>	3	8	7	61	0	0	0	0	1	2	0	1	11	72
<b>Moderate</b>	0	0	0	1	0	0	0	0	0	0	0	0	0	1
<b>Severe</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Percent with mod/sev scrapes</b>	0.0%	0.0%	0.0%	1.4%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	0.0%	#DIV/0!	0.0%	0.0%	1.2%

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

**Subject: Marine Turtle Removal Monthly Summary  
March 2023**

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Sincerely,  
Annessia



Annessia Michaels  
Environmental Specialist  
Inwater Research Group, Inc.  
4160 NE Hyline Dr.  
Jensen Beach, FL 34957  
[iguertin@inwater.org](mailto:iguertin@inwater.org)  
(772) 349-7252

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