

**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

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

**Hearing Identifier:** NRR\_DRMA  
**Email Number:** 1534

**Mail Envelope Properties** (CAOA4+RLoxXki+JU8b2Jgj9GTyJgaM1qOa-qkSt7r5rC=va\_x0w)

**Subject:** [External\_Sender] January 2022 FPL Marine Turtle Removal Monthly Report  
**Sent Date:** 2/18/2022 12:11:49 PM  
**Received Date:** 2/18/2022 12:12:54 PM  
**From:** Steve Weege

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

**Recipients:**

"Jodie\_Gless@fpl.com" <Jodie\_Gless@fpl.com>  
Tracking Status: None  
"Ken\_Frehafer@fpl.com" <Ken\_Frehafer@fpl.com>  
Tracking Status: None  
"Marine Turtle Permits" <MTP@myfwc.com>  
Tracking Status: None  
"Michael Bresette" <mbresette@inwater.org>  
Tracking Status: None  
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>  
Tracking Status: None  
"SCO@dep.state.fl.us" <SCO@dep.state.fl.us>  
Tracking Status: None  
"Vince Munne" <Vince.Munne@fpl.com>  
Tracking Status: None  
"Eaton, Kristin" <Kristin.Eaton@fpl.com>  
Tracking Status: None  
"William Nurnberger" <William.Nurnberger@fpl.com>  
Tracking Status: None  
"audra.livergood@noaa.gov" <audra.livergood@noaa.gov>  
Tracking Status: None  
"Sciscente, Richard" <Richard.Sciscente@fpl.com>  
Tracking Status: None  
"Seth.Duston@fpl.com" <Seth.Duston@fpl.com>  
Tracking Status: None  
"Cody Mott" <cmott@inwater.org>  
Tracking Status: None  
"Jguertin" <jguertin@inwater.org>  
Tracking Status: None  
"Koperski, Meghan" <Meghan.Koperski@myfwc.com>  
Tracking Status: None

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

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

**Options**

**Priority:** Normal

<b>Return Notification:</b>	No
<b>Reply Requested:</b>	No
<b>Sensitivity:</b>	Normal
<b>Expiration Date:</b>	

# 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
<b>Captures</b>	<b>8</b>	8	<b>9</b>	9	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>17</b>	17
<b>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>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>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0
<b>Fresh Scrapes</b>	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
<b>None</b>	<b>1</b>	1	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>1</b>	1
<b>Minor</b>	<b>7</b>	7	<b>9</b>	9	<b>0</b>	0	<b>0</b>	0	<b>0</b>	0	<b>16</b>	16
<b>Moderate</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>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>	0.0%	<b>0.0%</b>	0.0%	<b>N/A</b>	N/A	<b>N/A</b>	N/A	<b>N/A</b>	N/A	<b>0.0%</b>	0.0%