

**From:** Munne, Vince <Vince.Munne@fpl.com>  
**Sent:** Monday, December 9, 2019 6:29 AM  
**To:** SCO@dep.state.fl.us  
**Cc:** audra.livergood@noaa.gov; Grange, Briana; 'meghan.koperski@myFWC.com'  
**Subject:** [External\_Sender] PSL Monthly Turtle Report for November 2019  
**Attachments:** Monthly Turtle Report for November 2019.pdf

Ann  
Please see attached report.  
Thanks, Vince

**Hearing Identifier:** NRR\_DRMA  
**Email Number:** 365

**Mail Envelope Properties** (54a25e53bb0343aa83a421e451570c7b)

**Subject:** [External\_Sender] PSL Monthly Turtle Report for November 2019  
**Sent Date:** 12/9/2019 6:29:27 AM  
**Received Date:** 12/9/2019 6:29:49 AM  
**From:** Munne, Vince

**Created By:** Vince.Munne@fpl.com

**Recipients:**

"audra.livergood@noaa.gov" <audra.livergood@noaa.gov>

Tracking Status: None

"Grange, Briana" <Briana.Grange@nrc.gov>

Tracking Status: None

"meghan.koperski@myFWC.com" <meghan.koperski@myFWC.com>

Tracking Status: None

"SCO@dep.state.fl.us" <SCO@dep.state.fl.us>

Tracking Status: None

**Post Office:** fpl.com

Files	Size	Date & Time
MESSAGE	53	12/9/2019 6:29:49 AM
Monthly Turtle Report for November 2019.pdf		1137661

**Options**

**Priority:** Normal

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**



December 6, 2019

Ms. Meghan Koperski  
FWC Imperiled Species Mgmt.  
Tequesta Field Office  
19100 SE Federal Highway  
Tequesta, Florida 33469

RE: ST. LUCIE POWER PLANT  
CONDITION IX.C.1, MARINE TURTLE AUTHORIZATION

Dear Ms. Koperski,

Enclosed please find the monthly summary of marine turtle removals for the St. Lucie Power Plant for the month of November 2019. These activities were performed under FWCC Marine Turtle Permit # MTP-125 maintained by Inwater Research Group Inc., as required by Site Certification Condition IX.C.1.

If you should have any questions, please contact Steve Weege at (772) 349-7252.

Sincerely,

A handwritten signature in blue ink, appearing to read 'V. Munné', is written over a horizontal line.

Vince Munné  
Land Utilization Supervisor  
St. Lucie Plant

LIC-PSL-2019-018

Attachments:

- 1) Email to Meghan Koperski Regarding Marine Turtle Removal Monthly Summary
- 2) Capture Summary Table
- 3) Marine Turtle Removals - St. Lucie Plant Intake Canal
- 4) Capture Notes

cc: FDEP Siting Office

E-mail from Steve Weege to Meghan Koperski Regarding  
Marine Turtle Removal Monthly Summary  
(1 Page)

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

**Subject: Marine Turtle Removal Monthly Summary**  
**November 2019**

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for November 2019. This month we captured four *Caretta caretta* and ten *Chelonia mydas* in the intake canal of the St. Lucie power plant on Hutchinson Island. Only one sea turtle was sent for rehabilitation and there were no mortalities. As with all sea turtle strandings at the Saint Lucie Plant, the Florida Fish and Wildlife Conservation Commission (FWC) was consulted and stranding forms were filed with the state through the Sea Turtle Stranding and Salvage Network.

There was one sea turtle sent for rehabilitation for non-causal injuries or illness this month. On November 21<sup>st</sup>, a subadult loggerhead was removed from the tangle nets that was underweight and lethargic. After consultation with FWC, Inwater Research Group biologists transported this turtle to the Loggerhead MarineLife Center in Juno Beach for rehab. The turtle is currently undergoing treatment and showing signs of improvement.

The primary 5-inch barrier net encountered negligible amounts of algae throughout the month. The planned 30-day power plant outage concluded around the middle of November. 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 2019. 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  
(772) 349-7252

Capture Summary Table  
(1 Page)

	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	
	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date
Captures	4	225	10	242	0	0	0	0	0	12	0	1	14	480
Causal Mortalities	0	2	0	2	0	0	0	0	0	0	0	0	0	4
Non-Causal Mortalities	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	1	13	0	4	0	0	0	0	0	1	0	0	1	18
Fresh Scrapes	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date	Nov-19	Year to Date
None	1	27	0	19	0	0	0	0	0	1	0	0	1	47
Minor	3	194	9	210	0	0	0	0	0	11	0	1	12	416
Moderate	0	4	1	13	0	0	0	0	0	0	0	0	1	17
Severe	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	0.0%	1.8%	10.0%	5.4%	N/A	N/A	N/A	N/A	N/A	0.0%	N/A	0.0%	7.1%	3.5%

Marine Turtle Removals – St. Lucie Plant Intake Canal  
(1 Page)



# MARINE TURTLE REMOVALS ST. LUCIE PLANT INTAKE CANAL NOVEMBER 2019

Date	Species	Note	Tag #s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
11/1/2019	<i>Caretta caretta</i>		KKT008/KKT009	58.7	59.5	61.2	59.1	49.2	45.0	33.0	South net
11/7/2019	<i>Chelonia mydas</i>		IRG0009//IRG0010	24.6	24.8	25.4	22.2	20.0	20.9	1.9	Dip net
11/13/2019	<i>Chelonia mydas</i>		IRG0012//IRG0013	26.7	27.2	27.5	23.4	21.5	23.2	2.3	South net
11/15/2019	<i>Chelonia mydas</i>		IRG0014//IRG0016	25.4	25.7	26.0	22.6	21.5	21.4	1.8	Dip net
11/19/2019	<i>Chelonia mydas</i>		IRG0017//IRG0018	28.8	29.4	29.9	25.9	23.4	23.9	2.7	Dip net
11/19/2019	<i>Chelonia mydas</i>		IRG0019//IRG0020	29.3	29.7	30.0	25.1	23.5	24.6	3.3	Dip net
11/19/2019	<i>Chelonia mydas</i>	1	KKT010/KKT011	65.0	65.3	67.2	58.6	51.5	53.6	32.7	North net
11/19/2019	<i>Chelonia mydas</i>		KKT012/KKT013	52.3	52.9	54.8	50.4	42.8	42.5	17.7	North net
11/19/2019	<i>Caretta caretta</i>		KKT014/KKT015	63.4	64.5	66.8	59.7	52.7	49.1	38.7	South net
11/21/2019	<i>Caretta caretta</i>	2	KKT016	73.4	75.6	79.1	75.9	61.7	57.6	56.2	South net
11/22/2019	<i>Chelonia mydas</i>		KKT017/KKT018	41.9	42.1	43.4	35.5	33.1	35.1	9.2	South net
11/23/2019	<i>Chelonia mydas</i>		IRG0021//IRG0022	26.2	27.1	27.7	23.4	21.5	22.7	2.0	Dip net
11/25/2019	<i>Chelonia mydas</i>		IRG0026//IRG0027	27.3	27.8	28.1	24.5	22.7	22.9	2.4	Dip net
11/26/2019	<i>Caretta caretta</i>		KKT019/KKT020	66.1	67.3	71.8	69.0	53.7	51.2	42.2	South net

Capture Notes  
(1 Page)

## NOTES

---

1. PAPILLOMAS (Balazs Tumor Score = 2 (moderate), Total Tumor Score = 7).
2. REHAB (NON-CAUSAL). Stranding# RCW191121-01. Lethargic subadult loggerhead taken to the Loggerhead MarineLife Center in Juno Beach for rehabilitation. The turtle was tagged prior to rehab determination.

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*