

Balsam, Briana

From: Michael_Bresette@fpl.com
Sent: Thursday, February 12, 2009 7:35 AM
To: Meghan.Koperski@MyFWC.com; Logan, Dennis; Ed_Hollowell@fpl.com; Shelley.Norton@noaa.gov; Vince_Munne@fpl.com; Winifred.Perkins@fpl.com; Bob.Hoffman@noaa.gov; Stacy.Foster@fpl.com; David.Niebch@fpl.com; Jodie.Gless@fpl.com
Subject: January Sea Turtle captures
Attachments: January 09.pdf; St. Lucie caps 2009.xls

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

Subject: Marine Turtle Removal Monthly Summary
January 2009

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for January 2009. In January, we captured twelve (12) Caretta caretta and twelve (12) Chelonia mydas at the intake canal of the St. Lucie power plant on South Hutchinson Island. On January 26, a subadult loggerhead was captured and found with a long-line hook embedded in its jaw. This turtle was transported to the Marinelife Center in Juno Beach for rehabilitation after consultation with personnel from FWCC. On January 29 an adult male loggerhead was captured and found to be lethargic and underweight. This turtle was also transported to the Marinelife Center in Juno Beach for rehabilitation after consultation with personnel from FWCC. Both incidents were not considered causal to power plant operation. All other turtles that were captured in January were released on the same day of capture.

Tag numbers and morphometric data for all turtles are attached. Also, attached is a spreadsheet of all captures, mortalities, injuries and causal events delineated by species and month for 2008. This spreadsheet tracks fresh scrapes and will be helpful in determining the success of the intake pipe cleaning project. If you have any questions or comments about the enclosed data please contact me at your convenience.

Sincerely,

Michael J. Bresette
Sr. Environmental Specialist
Quantum Resources, Inc.

(See attached file: January 09.pdf)(See attached file: St. Lucie caps 2009.xls)

**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
JANUARY 2009**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/2/2009	<i>Caretta caretta</i>		YYW052/YYW053	65.2	66.0	71.0	67.8	54.9	51.3	43.3	South net
1/5/2009	<i>Chelonia mydas</i>		YYW054/YYW055	78.6	80.2	86.4	78.9	64.5	66.4	70.0	Hand capture
1/5/2009	<i>Caretta caretta</i>		YYW056/YYW057	55.3	56.6	61.6	60.9	47.4	44.0	27.8	Hand capture
1/6/2009	<i>Chelonia mydas</i>	1		60.9	61.9	66.8	58.6	48.6	50.6	28.0	Hand capture
1/9/2009	<i>Chelonia mydas</i>	2		55.6	55.9	60.1	52.3	45.0	45.6	24.6	Hand capture
1/9/2009	<i>Chelonia mydas</i>			40.6	41.5	43.5	37.0	33.9	33.2	7.5	Hand capture
1/9/2009	<i>Caretta caretta</i>		YYW058/YYW059	59.8	60.9	67.3	63.2	53.6	47.0	32.1	Hand capture
1/10/2009	<i>Caretta caretta</i>	3	YYR246/YYR247	60.6	61.5	66.2	65.2	52.3	46.4	34.0	Hand capture
1/18/2009	<i>Chelonia mydas</i>			28.8	29.0	30.9	25.6	23.3	24.0	2.9	Hand capture
1/18/2009	<i>Chelonia mydas</i>			33.3	33.7	36.5	32.5	27.6	27.6	4.7	Hand capture
1/20/2009	<i>Caretta caretta</i>		YYW060/YYW061	56.9	57.6	63.3	62.2	50.7	43.8	28.5	North net
1/21/2009	<i>Caretta caretta</i>		YYW062/YYW063	61.3	62.4	68.0	65.3	52.6	49.4	36.5	North net
1/23/2009	<i>Chelonia mydas</i>	4	YYW064	37.5	38.3	42.0	37.3	32.6	31.9	7.9	Dip net
1/24/2009	<i>Caretta caretta</i>		YYW065/YYW066	62.3	63.3	67.0	66.3	52.4	49.9	35.1	Hand capture
1/26/2009	<i>Chelonia mydas</i>	5		38.3	38.7	41.9	34.7	30.6	32.7	6.8	Hand capture
1/26/2009	<i>Caretta caretta</i>	6		64.5	66.0	71.0	67.0	52.9	50.3	36.6	Hand capture
1/26/2009	<i>Chelonia mydas</i>	7	YYB110	45.5	45.6	48.4	43.0	35.5	38.2	12.9	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/26/2009	<i>Chelonia mydas</i>	8	YYB479	52.4	52.8	56.4	46.3	38.5	41.9	16.7	Hand capture
1/26/2009	<i>Caretta caretta</i>		YYW067/YYW068	62.2	63.9	68.5	66.7	55.2	48.8	36.5	Hand capture
1/26/2009	<i>Chelonia mydas</i>	9	YYW069	47.8	47.9	50.2	43.7	37.2	39.9	14.7	Hand capture
1/29/2009	<i>Caretta caretta</i>	10		90.1	91.3	96.2	92.8	73.4	62.9	88.7	Hand capture
1/29/2009	<i>Caretta caretta</i>		YYW070/YYW071	58.3	59.1	65.2	64.8	49.8	46.0	31.2	Hand capture
1/29/2009	<i>Caretta caretta</i>		YYW072/YYW073	69.0	70.5	76.1	71.5	58.3	55.2	47.0	Hand capture
1/30/2009	<i>Chelonia mydas</i>	11	YYW074	62.3	62.4	67.1	60.1	47.7	52.2	31.7	Hand capture

NOTES

1. Strange tag, whereabouts pending
2. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/4/01, 10/3/01 3/15/02 4/12/03, 10/2/03, 11/9/04, 2/13/05, 6/6/05, 1/25/06 and 4/24/06
3. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/23/08 and 9/17/08.
4. PAPILLOMAS Tumor score = 62. Turtle was released at Hutchinson Island the same day
5. PAPILLOMAS Tumor score = 39 Turtle was released at Hutchinson Island the same day
6. Turtle found with hook embedded in left lower jaw with monofilament protruding approximately 8" from jaw Transported to Marinelife Center. Not causal to power plant operation
7. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/23/04, 8/11/06, 8/23/06 9/30/06 3/6/07, 8/19/07, 12/3/07, 1/14/08 2/21/08, 3/19/08, 5/5/08, 5/31/08, 7/7/08, 9/17/08 and 11/30/08
8. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/7/05, 8/30/05 8/6/06 9/19/06, 8/29/07 and 4/30/08.
9. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/8/01 5/3/05, 5/9/05, 7/7/05, 5/16/06, 8/23/06, 9/12/06 10/30/06 4/26/07 4/12/08 and 8/5/08.
10. Turtle found lethargic and underweight and the left front flipper appeared broken Adult male Tail length is 510 mm. Transported to Marinelife Center by FWCC personnel. Not causal to power plant operation
11. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 5/23/98, 9/17/98 3/6/99, 8/4/99, 10/28/99 1/5/00, 2/17/00, 4/5/00, 7/7/00, 12/21/00, 4/5/01, 5/14/01, 7/3/01, 7/16/01, 1/29/02 2/19/02, 7/28/02 10/15/02, 11/16/02 1/16/03, 10/6/03, 10/26/03, 3/2/04, 5/17/04 2/4/05 3/25/05, 4/14/05, 5/17/05, 6/7/05, 11/9/05 7/19/06, 9/5/06, 11/8/06, 11/24/07 1/14/08, 4/20/08, 6/28/2008, 9/26/08 and 12/5/08

SMCL = Straight Minimum Carapace Length

SMCL = Straight Standard Carapace Length

CSCCL = Curved Standard Carapace Length

CMCW = Curved Maximum Carapace Width

SMCW = Straight Maximum Carapace Width

SMPL = Straight Midline Plastron Length

