

Balsam, Briana

From: GLESS, JODIE [Jodie.Gless@fpl.com]
Sent: Monday, August 30, 2010 11:46 AM
To: RidsNrrDlr Resource
Subject: FW: May 2010 St. Lucie Plant Canal Captures
Attachments: St. Lucie caps 2010.xls; Notes2010.xls; May 2010 Monthly Report.rtf

-----Original Message-----

From: Dave Singewald [mailto:davesingewald@inwater.org]
Sent: Thursday, June 10, 2010 11:13 AM
To: Meghan Koperski
Cc: Hollowell, Ed; Munne, Vince; Niebch, David; GLESS, JODIE; Frehafer, Ken; Shelley Norton; Bob Hoffman; Michael J Bresette
Subject: May 2010 St. Lucie Plant Canal Captures

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for May 2010. In May, we captured sixteen (16) *Caretta caretta* at the intake canal of the St. Lucie power plant on Hutchinson Island. During the month there were no mortalities and no turtles required rehabilitation.

Throughout the month the temporary barrier net has effectively kept turtles from moving further down the canal. A permanent fix to this net is expected in 2011. Underwater Engineering Services Inc. (UESI) continued cleaning the 16' pipe in conjunction with the St. Lucie Unit 1 refueling outage.

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/year to date for 2010. This spreadsheet also includes and tracks fresh scrapes incurred on captured turtles for the month of May which includes totals and percentage. If you have any questions or comments about the enclosed data please contact me at your convenience.

Sincerely,

David Singewald
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**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
MAY 2010**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
5/2/2010	<i>Caretta caretta</i>		UUH582/UUH583	69.0	70.6	74.2	71.7	59.0	55.7	50.9	Hand capture
5/4/2010	<i>Caretta caretta</i>		UUH584/UUH585	60.3	61.8	66.5	63.1	52.5	49.2	34.0	North net
5/4/2010	<i>Caretta caretta</i>		UUH586/UUH587	57.4	58.4	64.2	60.2	50.0	46.2	31.3	Hand capture
5/4/2010	<i>Caretta caretta</i>		UUH588/UUH589	60.0	61.1	67.5	64.2	52.2	48.3	35.3	Hand capture
5/13/2010	<i>Caretta caretta</i>		UUH590/UUH591	59.1	59.7	64.1	61.3	48.9	44.6	24.7	Dip net
5/15/2010	<i>Caretta caretta</i>		UUH592/UUH593	60.1	61.0	66.6	64.2	53.2	48.0	32.3	Hand capture
5/15/2010	<i>Caretta caretta</i>		UUH594/UUH595	58.4	59.2	63.7	63.0	51.7	46.4	27.3	Hand capture
5/15/2010	<i>Caretta caretta</i>		UUH596/UUH597	61.5	62.4	68.0	65.8	52.5	47.0	29.9	Hand capture
5/15/2010	<i>Caretta caretta</i>	1	YYR383/YYR384	68.9	69.6	74.2	71.0	56.3	52.2	42.2	Hand capture
5/17/2010	<i>Caretta caretta</i>		UUH598/UUH599	55.9	56.1	61.1	58.5	46.8	42.7	21.9	Dip net
5/18/2010	<i>Caretta caretta</i>	2	UUH600/UUH601	86.7	87.2	94.8	83.5	64.9	66.2	94.7	Hand capture
5/18/2010	<i>Caretta caretta</i>		UUH602/UUH603	69.9	71.3	76.4	73.3	59.9	56.7	46.4	Hand capture
5/18/2010	<i>Caretta caretta</i>		UUH604/UUH605	72.2	73.1	78.0	77.1	62.2	57.7	60.5	Hand capture
5/23/2010	<i>Caretta caretta</i>		UUH606/UUH607	57.7	58.9	64.3	59.4	48.1	45.9	27.2	Hand capture
5/25/2010	<i>Caretta caretta</i>	3	UUH608/UUH609	94.7	97.5	104.0	93.5	76.8	66.3	122.4	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSSL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
5/27/2010	<i>Caretta caretta</i>		UUH610/UUH611	58.5	59.7	63.5	63.4	50.8	45.6	33.2	South net

NOTES

1. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 10/4/08, 12/19/08 and 8/18/09.
2. Adult female. Tail length = 195 mm.
3. Adult male. Tail length = 485 mm.

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

	Loggerheads (<i>Caretta caretta</i>)		Green turtles (<i>Chelonia mydas</i>)		Hawksbills (<i>Eretmochelys</i>)		Leatherbacks (<i>Dermochelys</i>)		Kemp's ridley (<i>Lepidochelys</i>)		Overall Totals	
	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date
Captures	16	166	0	350	0	0	0	2	0	7	16	525
Causal Mortalities	0	1	0	3	0	0	0	0	0	0	0	4
Non-causal Mortalities	0	2	0	4	0	0	0	0	0	0	0	6
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	3	0	13	0	0	0	0	0	0	0	16
Fresh Scrapes	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date	May-10	Year to Date
None	3	21	0	23	0	0	0	0	0	0	3	44
Minor	9	113	0	264	0	0	0	1	3	0	9	384
Moderate	4	32	0	62	0	0	1	3	0	0	4	97
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	25.0%	19.3%	#DIV/0!	17.7%	#DIV/0!	#DIV/0!	#DIV/0!	150.0%	#DIV/0!	0.0%	25.0%	18.5%