

Balsam, Briana

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

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

From: Dave Clark [mailto:dclark@inwater.org]
Sent: Thursday, August 05, 2010 12:36 PM
To: Meghan Koperski
Cc: diverdave1107@hotmail.com; Hollowell, Ed; Munne, Vince; Niebch, David; GLESS, JODIE; Frehafer, Ken; Shelley Norton; Bob Hoffman; mbresette@inwater.org
Subject: July 2010 Canal Captures correction

Dear Megan,

Attached is the monthly summary of marine turtle removals for July 2010. In July, Inwater Research Group biologists captured twenty-nine(CORRECTION) (29) *Caretta caretta* and three (3) *Chelonia mydas* at the intake canal of the St. Lucie power plant on Hutchinson Island. During the month there were no mortalities and one turtle was transported to a rehabilitation facility. On July 23rd a sub-adult loggerhead was hand captured floating near the barrier net with three large prop wounds exposing the internal organs. This turtle was transported to the Marinelife Center in Juno Beach after consultation with personnel from FWCC. This incident was determined to be non-causal to power plant operation.

Throughout the month of July the temporary barrier net experienced light loads of algae that entered into the intake canal. This 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 Service Inc. (UESI) had previously been cleaning the temporary net and finished the cleaning in the first week of July.

The tag numbers and morphometric data for all the turtles is attached. Also attached is the 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 July, which includes totals and percentages. If you any questions please feel free to contact me.

Sincerely,


David Clark
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**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
July 2010**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/1/2010	Caretta caretta		UUH696/UUH697	78.00	80.50	84.40	78.60	60.60	59.50	71.00	Hand capture
7/3/2010	Caretta caretta	1	UUH698/UUH699	85.10	85.80	90.10	85.50	65.50	65.70	100.00	South net
7/5/2010	Caretta caretta	2	UUH700/UUH701	83.80	85.00	91.20	82.70	66.80	64.60	84.30	South net
7/6/2010	Caretta caretta	3	UUH702/UUH703	86.90	89.60	95.40		68.90	66.00	100.20	North net
7/6/2010	Caretta caretta	4	UUH704/UUH705	87.90	90.70	95.90		68.40	65.80	94.40	North net
7/7/2010	Caretta caretta	5	UUH706/UUH707	89.60	90.80	98.70	87.50	70.90	68.00	99.40	South net
7/8/2010	Caretta caretta		UUH708/UUH709	46.10	46.90	51.10	49.20	40.20	37.80	14.90	Dip net
7/9/2010	Caretta caretta		UUH710/UUH711	82.30	83.20	87.60	79.00	65.50	65.30	77.30	Hand capture
7/9/2010	Caretta caretta	6	UUH712/UUH713	84.70	88.00	98.00	86.50	67.70	70.70	99.10	Hand capture
7/10/2010	Caretta caretta	7	UUH714/UUH715	86.80	89.50	95.00	84.00	68.00	69.00	117.80	Hand capture
7/10/2010	Caretta caretta		UUH716/UUH717	54.80	56.30	61.50	59.40	48.40	43.90	25.30	Hand capture
7/10/2010	Caretta caretta		UUH718/UUH719	69.10	70.10	76.50	73.00	58.30	55.30	50.90	Hand capture
7/10/2010	Chelonia mydas		UUH720/UUH721	70.00	71.10	75.90	68.80	56.50	56.80	43.60	Hand capture
7/10/2010	Caretta caretta	8	UUH722/UUH723	86.40	87.70	93.00	87.50	68.50	68.50	80.50	Hand capture
7/12/2010	Caretta caretta	9	UUH724/UUH725	88.30	89.50	96.50	85.30	67.20	67.70	91.60	Hand capture
7/12/2010	Chelonia mydas	11	UUH726/UUH727	45.40	46.00	48.00	42.50	35.50	37.90	12.90	Hand capture
7/12/2010	Caretta caretta	10	UUH729/UUH730	90.60	92.30	106.00	92.10	72.40	70.20	108.20	Hand capture
7/13/2010	Chelonia mydas	13	UUB722/UUB723	67.70	68.10	72.50	66.10	52.90	54.80	41.00	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/13/2010	Caretta caretta	12	YYR261/YYR262	67.50	68.50	74.60	69.30	56.90	53.50	50.00	Hand capture
7/15/2010	Caretta caretta	14	UUH731/UUH732	86.00	88.00	92.40	83.90	67.90	64.80	89.50	North net
7/19/2010	Caretta caretta	15	UUH733/UUH734	84.50	85.90	94.40	83.60	64.50	67.00	80.60	North net
7/19/2010	Caretta caretta	16	UUH735/UUH736	83.70	88.20	96.10	83.30	67.20	65.30	93.60	South net
7/20/2010	Caretta caretta		UUH737/UUH738	80.90	82.10	89.60	79.60	61.10	61.60	71.90	South net
7/23/2010	Caretta caretta	17	UUH739/UUH740	90.80	93.00	105.00	84.40	67.00	71.70	99.30	North net
7/23/2010	Caretta caretta	18		58.70	60.30	65.70	64.20	52.90	46.50	28.90	Hand capture
7/23/2010	Caretta caretta		UUH741/UUH742	69.90	70.90	77.50	74.60	57.90	52.20	45.00	Hand capture
7/24/2010	Caretta caretta		UUH743/UUH744	81.30	82.20	88.40	79.20	61.30	61.80	74.30	South net
7/24/2010	Caretta caretta		UUH745/UUH746	79.60	81.30	88.40	80.70	63.30	60.30	68.60	South net
7/27/2010	Caretta caretta	19	TTJ741	69.70	70.40	75.80	71.60	57.30	54.00	48.70	Hand capture
7/27/2010	Caretta caretta		UUH747/UUH748	62.00	63.20	68.30	63.40	52.20	48.00	32.70	Hand capture
7/27/2010	Caretta caretta		UUH749/UUH750	77.60	79.40	86.00	80.00	63.60	59.60	68.60	Hand capture
7/29/2010	Caretta caretta		UUH751/UUH752	82.70	83.40	88.00	77.70	61.40	62.00	73.40	North net

NOTES

1. Adult Female. Tail length=201 mm
2. Adult Female. Tail length=226 mm
3. Adult Female. Tail length=136mm(measured to the vent)
4. Adult Female. Tail length=124mm(measured to the vent)
5. Adult Female. Tail length=205 mm
6. Adult Female. Tail length=200 mm
7. Adult Female. Tail length=258 mm 
8. Adult Female. Tail length=175 mm
9. Adult Female. Tail length=214 mm
10. Adult Female. Tail length=210 mm
11. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/13/04, 4/11/08, 5/5/08, 9/25/08, 10/12/08. Inconel tags (UUH726 & UUH727) inserted 7/12/201
12. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/28/08, 6/17/09, 9/19/09.
13. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/7/03, 9/22/03, 8/20/04, 4/26/06, 8/15/06, 12/10/09.
14. Adult Female. Tail length=224 mm
15. Adult Female. Tail length=214 mm
16. Adult Female. Tail length=240 mm
17. Adult Female. Tail length=217 mm
18. Turtle captured at the surface next to the barrier net with 3 large prop wounds exposing the internal organs. Turtle was transported to Marine Life Center in Juno for rehabilitation.
19. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 6/16/06, 8/16/07, 7/1/08.

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	
	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date
Captures	29	225	3	356	0	0	0	2	0	7	32	590
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	1	0	2	0	0	0	0	0	0	0	3
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	1	4	0	10	0	0	0	0	0	0	1	14
Fresh Scrapes	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date	Jul-10	Year to Date
None	5	29	0	23	0	0	0	0	0	0	5	52
Minor	21	158	1	266	0	0	0	1	0	6	22	431
Moderate	3	38	2	66	0	0	0	1	0	1	5	106
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	10.3%	16.9%	66.7%	18.5%	#DIV/0!	#####	#DIV/0!	50.0%	#DIV/0!	14.3%	15.6%	18.0%