

Balsam, Briana

From: Dave Singewald [davesingewald@inwater.org]
Sent: Friday, February 12, 2010 10:43 AM
To: Meghan Koperski
Cc: Logan, Dennis; Ed Hollowell; Shelley Norton; Vince Munne; Bob Hoffman; David Niebch; Jodie Gless; Michael J Bresette; ken_frehafer@fpl.com
Subject: Marine Turtle Removals-January 2010
Attachments: Jan10rep.rtf; Notes10.xls; St. Lucie caps 2010.xls

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for January 2010. In January, we captured twenty eight (28) *Caretta caretta*, one hundred and twenty three (123) *Chelonia mydas*, one *Dermochelys coriacea*, and one *Lepidochelys kempii* at the intake canal of the St. Lucie power plant on Hutchinson Island. During the month, Florida experienced an unusually long spell of cold weather which had a significant impact on sea turtles. Seventy of our one hundred and fifty three turtles captured were found to be "cold stunned" due to a very rapid drop in the air and water temperature. The majority of these turtles were transported further south and released into warmer waters.

During the month there were a total of nine turtles that were transported to rehabilitation facilities. On January 4, five juvenile green turtles were found "cold stunned" at or near the surface of the temporary 5" diameter mesh barrier net as a result of very cold water temperatures. After consultation with FWCC personnel all of these turtles were transported to Gumbo Limbo Nature Center to be released into warmer waters. This event was considered non-causal to power plant operation. On January 6, a juvenile loggerhead turtle was found in poor condition with carapace damage that had exposed bones along the vertebral ridge. This turtle was transported by FWCC personnel to Gumbo Limbo Nature Center and was non-causal to power plant operation. On the same day, a juvenile green turtle was found "cold stunned" and in poor condition at the surface of the 5" mesh barrier net. A large, healing slice wound was found along the posterior carapace on the right side and papillomas were also present. This turtle was transported by FWCC personnel to the Marathon Turtle Hospital. This event was considered non-causal to power plant operation. On January 10, a juvenile green turtle was removed from the Unit 2 intake well of the power plant in fair condition and possibly "cold stunned". As a precautionary measure due to the cold water temperatures in the area, the turtle was transported to the Marinelife Center by Inwater Research Group (IRG) biologists and was considered non-causal to power plant operation. On January 18, a juvenile green turtle was found "cold stunned" and in poor condition (numerous papillomas) at the surface of the 5" barrier net. After consultation with FWCC, this turtle was transported to the Marinelife Center and was not causal to power plant operation.

During the month there were three mortalities that were reported in the intake canal. On January 5, a severely decomposed sub-adult loggerhead turtle was found below the surface of the 5" mesh barrier net. Only the carapace and a few of the vertebral bones were found. This event was considered non-causal to power plant operation. On January 18, a juvenile green turtle was removed from below the surface of the barrier net. This turtle was found to be underweight with no wounds or abnormalities and had most likely succumbed to cold water temperatures from the recent "cold stunning" event. The turtle was transported to the Marinelife Center by IRG biologists for a necropsy and this event, at this time is considered non-causal to power plant operation. On January 27, a juvenile green turtle was found at the surface of the barrier net. This turtle was found to be underweight and had been entangled with monofilament around both front flippers. Large multi-lobed papillomas were present on the ventral surface of both rear flippers. This turtle was transported by IRG biologists to the Marinelife Center for necropsy and at this time this mortality is considered not causal to power plant operation.

Throughout the month of January the temporary 5" mesh barrier net experienced light loads of algae that entered into the intake canal. This temporary barrier has effectively kept turtles from moving further down the canal. A total of four green turtles had been removed from the power plants intake wells during the month. Inwater Research Group biologists repaired a hole at the surface of the net on January 10 and on January 11;

divers were deployed to inspect the entire net and had repaired one hole that was found near the bottom on the south end. A permanent fix to the primary net continues to remain in the design phase.

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 January which includes totals and percentage.

Sincerely,

David A. Singewald
Sr. Environmental Specialist
Inwater Research Group, Inc.
4160 NE Hyline Dr.
Jensen Beach, FL 34957
772-216-5096
CC: Siting Office
CC: Licensing PSL

--

**MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
JANUARY 2010**

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/2/2010	<i>Caretta caretta</i>		UUB766/UUB767	55.0	55.7	61.0	59.3	47.3	43.7	26.0	Dip net
1/2/2010	<i>Chelonia mydas</i>		UUB768	27.3	28.0	29.7	25.8	23.3	22.8	2.7	Dip net
1/2/2010	<i>Chelonia mydas</i>		UUB769	29.1	29.6	31.4	26.6	23.5	25.9	3.5	Dip net
1/2/2010	<i>Caretta caretta</i>		UUB770/UUB771	66.6	67.3	73.4	69.7	57.7	52.0	43.9	North net
1/3/2010	<i>Chelonia mydas</i>		UUB772	31.9	32.6	34.7	31.5	28.2	27.4	4.3	South net
1/3/2010	<i>Caretta caretta</i>		UUB773/UUB774	58.5	59.6	64.2	61.2	51.4	46.8	31.5	South net
1/4/2010	<i>Chelonia mydas</i>	1		27.7	28.4	30.4	26.6	23.8	23.8	3.1	Barrier net
1/4/2010	<i>Chelonia mydas</i>	2		59.4	59.9	63.2	56.5	49.0	50.6	35.0	North net
1/4/2010	<i>Chelonia mydas</i>	3		24.7	25.2	26.8	22.2	20.4	20.4	1.8	Barrier net
1/4/2010	<i>Chelonia mydas</i>	4		28.7	29.2	30.5	25.5	23.0	24.2	2.8	Dip net
1/4/2010	<i>Chelonia mydas</i>	5		28.9	29.4	31.4	27.9	24.9	24.7	3.3	Dip net
1/5/2010	<i>Caretta caretta</i>	6		74.5	75.4	81.8	73.4	61.3		34.0	Barrier net
1/5/2010	<i>Chelonia mydas</i>		UUB775	36.4	36.6	38.1	32.6	28.0	30.2	6.3	Dip net
1/5/2010	<i>Caretta caretta</i>		UUB776/UUB777	62.2	63.4	68.5	62.6	52.3	50.3	36.6	Hand capture
1/5/2010	<i>Caretta caretta</i>		UUB778/UUB779	63.5	64.6	69.2	67.1	54.2	50.4	38.9	South net
1/5/2010	<i>Caretta caretta</i>		UUB780/UUB781	56.5	57.7	62.1	59.1	48.2	43.5	26.8	North net
1/5/2010	<i>Caretta caretta</i>		UUB782/UUB783	53.2	54.3	59.9	55.5	46.5	42.2	23.4	North net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/6/2010	<i>Caretta caretta</i>	7		58.7	59.9	65.4	63.8	50.5	45.0	29.8	Dip net
1/6/2010	<i>Chelonia mydas</i>	8		40.0	40.4	42.7	37.0	31.9	34.3	8.7	Barrier net
1/6/2010	<i>Chelonia mydas</i>		UUB784	28.1	28.5	30.0	26.8	23.5	24.6	3.2	Dip net
1/6/2010	<i>Chelonia mydas</i>		UUB785	31.5	31.8	33.9	28.6	26.1	26.5	4.1	North net
1/7/2010	<i>Chelonia mydas</i>			29.7	29.8	32.0	27.1	23.8	25.4	3.4	South net
1/7/2010	<i>Chelonia mydas</i>			26.7	27.0	29.0	25.2	23.3	21.9	2.7	Dip net
1/7/2010	<i>Chelonia mydas</i>			27.8	28.0	30.0	25.5	22.7	23.5	2.6	Dip net
1/7/2010	<i>Chelonia mydas</i>		UUB786	30.1	30.6	32.0	28.6	25.0	25.6	3.8	Dip net
1/8/2010	<i>Chelonia mydas</i>			27.8	28.4	30.1	25.1	22.7	23.3	2.8	North net
1/8/2010	<i>Caretta caretta</i>		UUB787/UUB788	62.6	63.9	68.5	68.2	55.4	50.3	38.9	Dip net
1/8/2010	<i>Chelonia mydas</i>		UUB789	36.9	37.3	39.2	33.5	30.2	30.6	6.0	Dip net
1/9/2010	<i>Chelonia mydas</i>		UUB790	28.2	28.8	30.5	25.8	23.2	23.7	2.8	Intake well
1/10/2010	<i>Chelonia mydas</i>			27.8	28.0	29.5	24.6	22.9	23.5	2.7	Barrier net
1/10/2010	<i>Chelonia mydas</i>			25.6	26.3	27.6	24.5	21.7	21.5	2.4	Dip net
1/10/2010	<i>Chelonia mydas</i>			28.1	28.3	29.9	25.6	22.9	23.1	2.8	Barrier net
1/10/2010	<i>Chelonia mydas</i>			28.5	28.7	30.0	25.5	21.9	24.2	2.8	Intake well
1/10/2010	<i>Chelonia mydas</i>			28.7	29.2	31.0	26.6	23.3	24.2	3.0	Barrier net
1/10/2010	<i>Chelonia mydas</i>			29.7	30.2	32.1	27.2	24.2	24.3	3.5	Barrier net
1/10/2010	<i>Chelonia mydas</i>	9		27.8	27.9	29.6	26.6	24.0	24.3	2.7	Intake well
1/10/2010	<i>Chelonia mydas</i>		UUB791/UUB792	35.1	35.7	38.1	31.9	28.3	29.2	5.3	Dip net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPLE (cm)	Weight (kg)	Method
1/10/2010	<i>Chelonia mydas</i>		UUB793	31.2	31.9	33.4	28.3	24.6	26.2	4.0	Dip net
1/10/2010	<i>Chelonia mydas</i>		UUB794	31.0	31.2	32.5	27.7	24.6	24.6	3.4	Barrier net
1/11/2010	<i>Chelonia mydas</i>			29.6	29.9	31.6	27.5	24.6	24.9	3.3	Barrier net
1/11/2010	<i>Chelonia mydas</i>			28.5	28.9	30.6	25.7	22.7	23.7	3.1	Barrier net
1/11/2010	<i>Chelonia mydas</i>			28.4	29.0	30.5	24.7	22.7	24.4	2.7	Barrier net
1/11/2010	<i>Chelonia mydas</i>			27.9	28.2	29.6	24.4	22.4	23.6	2.6	Barrier net
1/11/2010	<i>Chelonia mydas</i>			27.4	27.9	29.4	25.8	22.8	23.4	2.7	Barrier net
1/11/2010	<i>Chelonia mydas</i>			26.7	26.8	28.8	24.7	22.1	23.0	2.8	Barrier net
1/11/2010	<i>Chelonia mydas</i>			28.9	29.5	32.0	26.3	23.2	24.6	3.4	Barrier net
1/11/2010	<i>Chelonia mydas</i>			28.0	28.2	30.0	24.5	21.7	22.8	2.7	Dip net
1/11/2010	<i>Chelonia mydas</i>	10	UUB647/UUB648	57.0	57.2	60.8	53.6	45.7	47.1	27.8	Barrier net
1/11/2010	<i>Chelonia mydas</i>	11	UUB733	52.2	52.2	55.5	52.0	41.9	42.7	18.9	Dip net
1/11/2010	<i>Chelonia mydas</i>	12	UUB795	49.8	50.5	52.6	44.4	39.2	40.8	15.9	Dip net
1/11/2010	<i>Chelonia mydas</i>	13	UUB796	49.5	49.7	53.1	44.2	38.3	41.1	16.6	Dip net
1/11/2010	<i>Chelonia mydas</i>		UUB797	31.7	32.2	34.0	30.2	26.4	26.0	3.9	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUB798	32.5	32.7	34.8	29.7	25.9	26.6	4.5	Dip net
1/11/2010	<i>Chelonia mydas</i>		UUB799	34.7	35.2	37.6	31.0	27.1	28.4	5.3	Dip net
1/11/2010	<i>Chelonia mydas</i>		UUB800	34.4	34.8	36.7	29.5	25.7	27.9	4.6	Dip net
1/11/2010	<i>Chelonia mydas</i>		UUB801	34.8	35.2	37.2	30.8	28.1	29.0	5.6	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUB802	35.2	35.8	37.7	31.9	28.2	28.8	5.5	Barrier net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/11/2010	<i>Chelonia mydas</i>		UUB803	35.7	35.9	38.6	32.2	28.4	29.5	5.7	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUB804	30.4	31.0	32.5	27.3	24.5	26.0	3.7	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUB805	30.2	30.8	33.0	27.5	24.1	25.5	3.5	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUB806	35.3	35.5	37.6	32.2	27.9	30.8	5.5	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUB812/UUB813	40.7	41.3	44.0	39.3	33.5	33.2	8.7	Barrier net
1/11/2010	<i>Chelonia mydas</i>		UUG139	28.2	28.2	31.0	28.3	23.4	24.0	3.1	Barrier net
1/11/2010	<i>Chelonia mydas</i>	14	YYB110	47.6	47.9	51.1	44.7	37.1	40.2	14.9	Barrier net
1/11/2010	<i>Chelonia mydas</i>	15	YYB454	53.0	53.6	56.5	46.4	40.5	45.6	20.0	Dip net
1/12/2010	<i>Chelonia mydas</i>			29.1	29.6	31.4	28.5	24.0	25.6	3.5	Barrier net
1/12/2010	<i>Chelonia mydas</i>			28.9	29.5	31.0	27.0	24.7	23.7	2.5	Intake well
1/12/2010	<i>Chelonia mydas</i>		UUB807/UUB808	68.4	68.9	74.4	60.1	52.4	55.0	85.4	Dip net
1/12/2010	<i>Chelonia mydas</i>		UUB809	32.5	32.8	35.3	28.8	25.8	27.0	4.0	Barrier net
1/12/2010	<i>Chelonia mydas</i>		UUG200	50.4	51.4	54.6	47.8	40.4	42.0	16.9	Barrier net
1/13/2010	<i>Caretta caretta</i>		UUB810/UUB811	66.9	68.1	71.2	68.4	55.7	51.9	42.3	Barrier net
1/14/2010	<i>Chelonia mydas</i>			29.4	29.6	31.3	27.5	25.0	24.7	3.6	Barrier net
1/14/2010	<i>Chelonia mydas</i>			26.6	27.0	28.5	25.3	22.3	22.3	2.7	Barrier net
1/14/2010	<i>Chelonia mydas</i>			25.2	25.7	27.3	23.5	20.7	20.9	2.2	Barrier net
1/14/2010	<i>Lepidochelys kempii</i>		UUG177	31.2	31.8	33.4	34.4	29.7	25.1	4.5	Barrier net
1/14/2010	<i>Chelonia mydas</i>		UUG178	29.2	29.8	31.5	26.3	23.0	24.1	3.2	Barrier net
1/14/2010	<i>Chelonia mydas</i>		UUG179	38.1	38.9	41.6	35.2	30.8	31.6	7.4	Barrier net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/14/2010	<i>Chelonia mydas</i>		UUG180	31.4	32.0	33.6	28.1	26.5	26.6	4.2	Barrier net
1/14/2010	<i>Chelonia mydas</i>		UUG181	33.5	33.9	36.5	31.6	27.5	28.5	5.6	Barrier net
1/14/2010	<i>Chelonia mydas</i>		UUG182	41.0	41.3	43.6	37.9	33.4	34.0	8.8	Barrier net
1/14/2010	<i>Chelonia mydas</i>		UUG183	49.9	50.1	53.8	47.3	40.6	42.8	17.2	Barrier net
1/14/2010	<i>Chelonia mydas</i>		UUG184	31.2	31.8	33.4	27.8	24.1	25.4	4.2	Dip net
1/14/2010	<i>Chelonia mydas</i>		UUG185	31.0	31.2	33.4	29.5	25.6	26.3	3.7	Barrier net
1/15/2010	<i>Chelonia mydas</i>			26.0	26.5	27.5	22.1	20.8	22.3	2.2	Barrier net
1/15/2010	<i>Chelonia mydas</i>			25.7	26.4	28.0	23.8	21.6	21.5	2.3	Barrier net
1/15/2010	<i>Chelonia mydas</i>			30.0	30.3	32.7	26.2	23.7	25.6	3.3	Barrier net
1/15/2010	<i>Chelonia mydas</i>			26.5	26.5	27.8	24.0	20.1	22.1	2.2	Barrier net
1/15/2010	<i>Chelonia mydas</i>			26.6	27.1	28.3	24.4	21.8	22.2	2.5	Barrier net
1/15/2010	<i>Chelonia mydas</i>			29.7	30.2	32.0	26.7	23.1	25.1	3.4	Barrier net
1/15/2010	<i>Chelonia mydas</i>			26.5	27.0	28.5	23.8	21.8	22.7	2.6	Barrier net
1/15/2010	<i>Chelonia mydas</i>			24.4	24.6	26.1	21.6	19.3	20.0	1.7	Barrier net
1/15/2010	<i>Chelonia mydas</i>			26.3	26.8	27.9	24.7	22.3	22.2	2.2	Barrier net
1/15/2010	<i>Chelonia mydas</i>		UUB851/UUB852	49.7	50.0	54.3	46.8	41.9	40.6	15.9	Dip net
1/17/2010	<i>Dermochelys coriacea</i>		UUB855/UUB856		129.6	139.1	99.5			230.0	Special net
1/18/2010	<i>Chelonia mydas</i>	16		28.9	29.3	32.1	27.8	23.8	23.3	2.7	Barrier net
1/18/2010	<i>Chelonia mydas</i>	17	UUG137	31.8	32.0	35.0	31.2	26.0	26.5	4.1	Barrier net
1/19/2010	<i>Chelonia mydas</i>			25.4	25.5	27.3	22.6	20.5	22.2	1.9	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/19/2010	<i>Chelonia mydas</i>			30.2	30.5	31.8	26.9	24.5	25.5	3.7	Hand capture
1/19/2010	<i>Chelonia mydas</i>			28.4	28.8	30.3	25.9	23.1	23.9	3.1	Hand capture
1/19/2010	<i>Chelonia mydas</i>			27.6	28.2	29.1	24.7	22.7	23.7	2.7	Dip net
1/19/2010	<i>Chelonia mydas</i>			28.0	28.5	29.9	24.9	23.0	23.3	2.7	Dip net
1/19/2010	<i>Chelonia mydas</i>			25.3	25.6	27.0	23.5	21.0	22.0	2.2	Dip net
1/19/2010	<i>Chelonia mydas</i>			28.6	29.0	30.5	26.9	24.7	23.5	3.1	Hand capture
1/19/2010	<i>Chelonia mydas</i>			29.3	29.9	32.1	26.8	24.1	23.8	3.2	Hand capture
1/19/2010	<i>Chelonia mydas</i>	18	UUB660/UUB661	63.3	63.7	67.3	58.9	50.2	53.0	33.0	Hand capture
1/19/2010	<i>Chelonia mydas</i>	19	UUB857/UUB858	54.8	55.0	59.2	52.3	44.7	44.6	22.8	Hand capture
1/19/2010	<i>Chelonia mydas</i>	20	UUB859/UUB860	51.0	51.3	54.4	45.7	38.8	40.9	16.2	Hand capture
1/20/2010	<i>Chelonia mydas</i>			30.4	30.7	32.9	28.4	24.4	25.6	3.7	Hand capture
1/20/2010	<i>Chelonia mydas</i>			26.0	26.6	28.1	23.9	21.6	22.4	2.2	Hand capture
1/20/2010	<i>Chelonia mydas</i>			24.8	25.4	26.9	22.3	19.7	21.5	2.0	Hand capture
1/20/2010	<i>Chelonia mydas</i>			28.5	28.7	30.3	24.7	22.1	23.3	2.7	Hand capture
1/20/2010	<i>Chelonia mydas</i>			28.2	28.7	29.8	26.0	23.5	23.1	2.7	Hand capture
1/20/2010	<i>Chelonia mydas</i>			29.3	29.6	31.3	26.3	24.1	24.8	3.0	Hand capture
1/20/2010	<i>Chelonia mydas</i>			29.5	30.3	32.6	28.3	24.5	25.0	3.5	Hand capture
1/20/2010	<i>Chelonia mydas</i>			28.7	29.0	30.5	26.8	23.9	24.3	3.0	Hand capture
1/20/2010	<i>Chelonia mydas</i>			24.9	25.4	27.0	23.4	20.4	21.2	2.0	Hand capture
1/20/2010	<i>Chelonia mydas</i>		UUB861	48.9	49.1	52.6	45.1	38.5	41.5	13.4	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPLE (cm)	Weight (kg)	Method
1/20/2010	<i>Chelonia mydas</i>		UUB862	40.2	40.5	42.9	35.7	31.1	34.0	7.6	Hand capture
1/20/2010	<i>Chelonia mydas</i>		UUB863	36.8	37.3	40.0	33.2	29.3	31.9	6.3	Hand capture
1/20/2010	<i>Chelonia mydas</i>		UUB864	43.4	43.4	46.8	41.0	34.6	36.2	10.7	Hand capture
1/20/2010	<i>Chelonia mydas</i>		UUB865	43.0	43.5	45.7	38.7	34.7	35.1	8.9	Hand capture
1/20/2010	<i>Chelonia mydas</i>		UUB866	32.8	33.7	36.0	31.2	27.6	29.1	5.3	Hand capture
1/20/2010	<i>Chelonia mydas</i>	21	UUB867	54.2	54.5	58.4	52.7	45.5	45.4	23.5	Hand capture
1/20/2010	<i>Caretta caretta</i>		UUB868/UUB869	55.6	57.4	61.6	59.0	47.2	41.1	23.8	Hand capture
1/20/2010	<i>Caretta caretta</i>		UUB870/UUB871	61.5	62.7	68.7	68.8	56.9	49.4	45.4	Hand capture
1/20/2010	<i>Chelonia mydas</i>		UUB872	43.0	43.8	47.5	42.1	36.7	36.2	9.8	Hand capture
1/20/2010	<i>Chelonia mydas</i>	22	UUB873/UUB874	69.8	70.2	75.6	66.8	54.9	59.3	47.9	Hand capture
1/21/2010	<i>Caretta caretta</i>		UUB875/UUB876	58.4	60.3	64.2	64.1	50.7	44.2	30.1	Hand capture
1/21/2010	<i>Caretta caretta</i>		UUB877/UUB878	60.4	61.4	67.5	63.3	53.9	48.4	33.7	Hand capture
1/21/2010	<i>Caretta caretta</i>		UUB879/UUB880	53.7	55.0	59.9	56.0	46.2	42.3	22.6	Hand capture
1/21/2010	<i>Caretta caretta</i>		UUB881/UUB882	66.9	68.2	74.2	71.0	59.2	52.8	45.6	Hand capture
1/21/2010	<i>Chelonia mydas</i>	23	YYW113	33.4	33.5	35.3	30.4	27.4	27.9	4.3	Hand capture
1/22/2010	<i>Chelonia mydas</i>	24	UUB645/UUB646	62.5	62.7	67.7	62.0	48.7	51.6	33.4	Hand capture
1/22/2010	<i>Caretta caretta</i>		UUB883/UUB884	58.5	59.4	65.3	63.3	52.6	47.6	31.1	Hand capture
1/22/2010	<i>Caretta caretta</i>		UUB885/UUB886	56.6	57.6	62.9	62.1	49.5	45.6	32.1	Hand capture
1/22/2010	<i>Caretta caretta</i>		UUB887/UUB888	64.9	66.3	72.4	68.5	54.2	50.9	39.0	Hand capture
1/22/2010	<i>Caretta caretta</i>		UUB889/UUB890	68.8	70.4	77.3	72.3	57.6	53.5	46.5	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
1/25/2010	<i>Chelonia mydas</i>			26.0	26.4	28.1	23.2	21.1	21.6	2.0	Barrier net
1/25/2010	<i>Chelonia mydas</i>			28.4	29.0	30.9	27.6	23.4	24.3	3.0	North net
1/25/2010	<i>Caretta caretta</i>		UUB891/UUB892	65.5	66.9	71.2	72.3	57.5	50.9	41.0	South net
1/26/2010	<i>Chelonia mydas</i>			24.6	25.8	27.5	24.1	21.7	22.3	2.3	Dip net
1/26/2010	<i>Chelonia mydas</i>			28.9	29.5	30.9	25.8	23.2	24.1	3.2	South net
1/26/2010	<i>Caretta caretta</i>		UUB893/UUB894	68.0	69.3	74.3	75.4	57.1	52.2	47.4	North net
1/26/2010	<i>Caretta caretta</i>		UUB895/UUB896	70.0	71.6	76.5	73.4	59.7	56.3	50.8	North net
1/27/2010	<i>Chelonia mydas</i>	25		43.8	44.2	47.5	40.2	35.2	36.1	13.6	Barrier net
1/27/2010	<i>Chelonia mydas</i>			27.9	28.5	30.8	25.8	22.7	23.2	2.7	Dip net
1/27/2010	<i>Chelonia mydas</i>			28.4	28.8	30.3	25.3	23.0	23.4	2.9	Dip net
1/27/2010	<i>Caretta caretta</i>		UUB897/UUB898	65.2	66.6	72.8	67.0	55.2	51.5	40.6	South net
1/29/2010	<i>Caretta caretta</i>		UUB899/UUB900	54.8	56.4	60.0	58.0	47.9	44.6	25.8	South net
1/30/2010	<i>Chelonia mydas</i>			32.4	33.1	35.4	30.2	26.8	26.8	3.8	North net
1/30/2010	<i>Caretta caretta</i>		UUB901/UUB902	68.5	69.8	72.6	75.9	59.9	52.3	51.4	North net
1/31/2010	<i>Chelonia mydas</i>			26.5	26.9	29.0	25.4	22.6	22.5	2.3	Dip net
1/31/2010	<i>Caretta caretta</i>		UUB903/UUB904	59.8	60.8	65.1	66.1	53.1	47.7	33.7	Dip net

NOTES

1. Turtle found "cold stunned" at surface of primary barrier net. Transported by FWCC personnel to Gumbo Limbo Nature Center (Boca Raton) for release into warmer water. Not causal to power plant operation.
2. Turtle found "cold stunned" at surface of primary barrier net. Transported by FWCC personnel to Gumbo Limbo Nature Center for release into warmer water. Not causal to power plant operation.
3. Turtle found "cold stunned" at surface of primary barrier net. Transported by FWCC personnel to Gumbo Limbo Nature Center for release into warmer water. Not causal to power plant operation.
4. Turtle found "cold stunned" at surface of primary barrier net. Transported by FWCC personnel to Gumbo Limbo Nature Center for release into warmer water. Not causal to power plant operation.
5. Turtle found "cold stunned" at surface of primary barrier net. Transported by FWCC personnel to Gumbo Limbo Nature Center for release into warmer water. Not causal to power plant operation.
6. Turtle found severely decomposed on barrier net with only carapace and a few bones remaining. Not causal to power plant operation.
7. Turtle found in poor condition with bone exposed along vertebral ridge/carapace. Transported by FWCC personnel to Gumbo Limbo Nature Center. Not causal to power plant operation.
8. Turtle found lethargic and "cold stunned" at surface of primary barrier net. Possible propeller wound (healing) on posterior carapace on right side. Papillomas present. Transported by FWCC personnel to Marathon Turtle Hospital. Not causal to power plant operation.
9. Turtle found "cold stunned" at surface of primary barrier net. Transported by IRG biologists to the Marinelife Center (Juno Beach) for release into warmer water. Not causal to power plant operation.
10. 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, 4/24/06, 1/9/09 and 9/26/09.
11. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 3/1/04, 11/3/04, 11/21/04, 7/8/05, 8/12/05, 9/13/05, 4/24/06, 9/29/06, 11/19/06, 12/4/06, 12/9/07, 2/10/08, 4/3/08, 9/14/08, 11/26/08, 12/18/08 and 12/14/09.
12. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/16/99, 9/19/01, 9/1/02, 6/24/03, 11/24/04, 4/9/05, 9/7/05, 4/10/06, 5/2/06, 8/24/06, 4/18/07, 5/20/08, 7/20/08 and 10/7/08.
13. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/16/05, 7/15/06, 8/21/06 and 10/10/07.
14. 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, 11/30/08, 1/26/09, 4/10/09, 4/19/09 and 6/24/09.
15. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/29/02, 4/8/03, 6/24/03, 2/3/04, 8/29/04, 5/22/05, 7/11/05, 9/15/05, 10/20/05, 6/15/06, 4/22/08, 10/9/08 and 4/22/09.
16. Turtle found dead below surface of primary barrier net. Underweight with no wounds or abnormalities. Most likely succumbed from cold water temperatures due to recent "cold stunning" events. Held for necropsy. Not causal to power plant operation.
17. Turtle found "cold stunned" and in poor condition at surface of primary barrier net. Numerous papillomas present. Transported to the Marinelife Center in Juno Beach by FWCC personnel. Not causal to power plant operation.
18. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 2/20/98, 7/19/04, 10/16/04, 6/25/05, 7/19/05, 8/15/05, 3/15/06, 8/14/06, 1/28/08, 12/31/08 and 10/25/09.
19. Strange PIT tag. Whereabouts pending.
20. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/5/08 and 4/10/09.
21. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 3/3/04, 6/21/04, 2/16/05, 9/19/05, 11/3/05, 4/26/06, 8/11/06, 10/21/06, 3/30/07 and 2/13/09.
22. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 10/31/03, 5/8/05, 6/18/05, 4/18/06 and 12/26/09.

23. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 2/26/09.
24. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/21/99, 1/17/02, 11/21/02, 12/23/03, 10/10/04, 3/30/05, 6/14/05, 7/13/05, 8/28/07, 2/5/08, 8/4/08, 8/25/08 and 9/26/09.
25. Turtle found dead at surface of primary barrier net. Entangled with monofilament around both front flippers. Large papilloma tumors in inguinal area. Partly healed crack along mid carapace. Transported to Marinelife Center by IRG biologists for necropsy. Not causal to power plant operation.

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)</i>		Leatherbacks <i>(Dermochelys)</i>		Kemp's ridley <i>(Lepidochelys)</i>		Overall Totals	
	Jan-10	Year to Date	Jan-10	Year to Date	Jan-10	Year to Date	Jan-10	Year to Date	Jan-10	Year to Date	Jan-10	Year to Date
Captures	28	28	123	123	0	0	1	1	1	1	153	153
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	1	1	2	2	0	0	0	0	0	0	3	3
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	1	1	8	8	0	0	0	0	0	0	9	9
Fresh Scrapes												
None	4	4	10	10	0	0	0	0	0	0	14	14
Minor	16	16	90	90	0	0	0	0	0	0	106	106
Moderate	8	8	23	23	0	0	0	0	1	0	32	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	28.6%	28.6%	18.7%	18.7%					100.0%		20.9%	20.9%