

NRR-PMDAPEm Resource

From: Stephen Weege [steveegee@yahoo.com]
Sent: Monday, August 01, 2011 2:00 PM
To: Meghan Koperski; Bob Hoffman; Dave Niebch; Dave Clark; RidsNrrDlr Resource; Ed Hollowell; Jodie Gless; Ken Frehafer; Mike Bresette; Shelley Norton; Vince Munne
Subject: July 2011 FPL Marine Turtle Removal Monthly Report
Attachments: July 2011 Marine Turtle Captures.rtf; Monthly Report Notes 2011.xls; FPL St Lucie Capture Summary 2011.xlsx

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for July 2011. This month, we captured seventy-one (71) *Caretta caretta*, ten (10) *Chelonia mydas*, and one (1) *Eretmochelys imbricata* in the intake canal of the St. Lucie power plant on Hutchinson Island.

Two turtles were sent for rehabilitation during the month of July. On the 5th, a subadult loggerhead was dip-netted by IRG biologists near the temporary 5-inch barrier net. The turtle was severely underweight and lethargic (heart beat visible). It was transported to the Marinelife Center by IRG personnel, and subsequently died from complications related to its advanced state of degradation. On July 6th, a second turtle in similar condition was hand captured by the temporary barrier net. The animal was severely underweight and lethargic (heart beat visible), but in slightly better condition (higher body mass index). This turtle was also transported to the Marinelife Center by IRG personnel. The prognosis on this second loggerhead is good. After consultation with FWC, neither incident was considered to be causal to power plant operations.

Throughout the month, the 5" barrier net experienced negligible to moderate loads of algae that entered into the intake canal. Jellyfish entrainment was negligible to severe in magnitude. Consequently, IRG biologists have continued the increased monitoring of algae and jellyfish, as well as amplified hand capture effort to remove entrained turtles. Despite this heavy influx of debris, the temporary barrier has effectively kept turtles from moving further down the canal. A permanent fix to the primary net continues to remain in the design phase.

The tag numbers and morphometric data for all turtles are attached. Also included is a spreadsheet for all captures, mortalities, injuries, and causal events delineated by species and by month for 2011. This spreadsheet also 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

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July 2011 Marine Turtle Captures.rtf		49736
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FPL St Lucie Capture Summary 2011.xlsx		80620

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MARINE TURTLE REMOVALS ST. LUCIE PLANT INTAKE CANAL JULY 2011

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/5/2011	<i>Caretta caretta</i>		BBP005/BBP006	63.8	65.5	69.9	66.4	54.2	50.8	40.2	Dip net
7/5/2011	<i>Caretta caretta</i>	1	CRM110705-01	67.6	68.9	75.0	69.6	50.9	50.8	32.1	Dip net
7/6/2011	<i>Caretta caretta</i>	2	BBP007/BBP008	91.1	92.1	95.0	88.8	73.6	71.2	115.6	South net
7/6/2011	<i>Caretta caretta</i>	3	BBP009/BBP010	90.3	90.7	97.1	83.5	68.7	66.2	93.0	North net
7/6/2011	<i>Caretta caretta</i>		BBP011/BBP012	59.8	61.1	66.8	62.1	53.5	47.7	32.6	South net
7/6/2011	<i>Caretta caretta</i>	4	CRM110706-01	64.6	66.0	69.8	69.6	57.9	51.3	32.5	Hand capture
7/7/2011	<i>Caretta caretta</i>	5	BBP013/BBP014	86.3	87.5	94.5	88.7	66.4	66.9	89.1	South net
7/7/2011	<i>Caretta caretta</i>		BBP015/BBP016	83.1	84.4	91.8	89.9	71.7	65.3	89.2	Hand capture
7/7/2011	<i>Caretta caretta</i>		BBP017/BBP018	63.4	65.1	68.2	63.8	54.5	50.1	36.9	Hand capture
7/7/2011	<i>Caretta caretta</i>		BBP019/BBP020	61.2	62.1	65.1	63.6	52.3	48.5	33.2	Hand capture
7/7/2011	<i>Caretta caretta</i>		BBP021/BBP022	64.2	65.2	70.3	69.4	54.1	50.9	38.1	Hand capture
7/7/2011	<i>Caretta caretta</i>		BBP023/BBP024	75.9	78.2	83.2	77.0	62.9	60.3	68.6	Hand capture
7/8/2011	<i>Caretta caretta</i>		BBP025/BBP026	63.3	64.4	71.0	69.5	58.2	50.2	41.1	North net
7/9/2011	<i>Caretta caretta</i>	6	BBP027/BBP028	83.3	85.1	90.7	82.8	65.9	63.4	86.3	Hand capture
7/9/2011	<i>Caretta caretta</i>	7	BBP029/BBP030	77.6	78.8	85.7	83.4	59.8	59.6	70.3	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/9/2011	<i>Caretta caretta</i>		BBP031/BBP032	64.5	65.8	72.0	69.8	57.3	52.3	42.5	Hand capture
7/10/2011	<i>Chelonia mydas</i>		4C132D531C	29.3	30.0	31.4	26.6	25.1	25.0	3.2	North net
7/10/2011	<i>Caretta caretta</i>		BBP033/BBP034	66.4	68.5	71.9	71.0	57.5	52.8	41.4	Hand capture
7/10/2011	<i>Caretta caretta</i>		BBP035/BBP036	60.3	61.7	64.2	63.7	54.9	48.6	34.8	Hand capture
7/10/2011	<i>Caretta caretta</i>	8	BBP038/BBP043	89.1	90.7	94.5	86.8	70.9	80.2	101.4	Hand capture
7/10/2011	<i>Caretta caretta</i>		BBP039/BBP040	73.5	76.3	79.5	76.0	62.3	57.9	57.0	Hand capture
7/10/2011	<i>Eretmochelys imbricata</i>		BBP041/BBP042	51.1	52.9	55.6	45.0	35.6	39.2	15.4	Hand capture
7/10/2011	<i>Caretta caretta</i>	9	BBP044/BBP045	98.5	100.2	110.0	101.5	77.6	77.2	147.5	Hand capture
7/10/2011	<i>Caretta caretta</i>		BBP046/BBP047	58.6	59.8	61.8	62.0	51.2	46.4	30.4	Hand capture
7/10/2011	<i>Caretta caretta</i>		BBP048/BBP049	84.1	84.5	90.0	84.2	68.0	65.6	88.1	Hand capture
7/10/2011	<i>Caretta caretta</i>		BBP050/BBP051	83.0	83.5	91.2	80.6	64.0	62.2	76.0	Hand capture
7/10/2011	<i>Caretta caretta</i>		BBP052/BBP053	62.6	64.0	69.0	68.4	56.3	49.8	37.5	Hand capture
7/10/2011	<i>Caretta caretta</i>	10	HA9442/HA9443	84.9	86.3	91.3	86.5	67.0	68.0	95.9	Hand capture
7/10/2011	<i>Caretta caretta</i>	11	UUX473/UUX474	71.4	72.6	76.8	69.8	57.8	53.6	44.0	Hand capture
7/12/2011	<i>Caretta caretta</i>	12	BBP054/BBP055	90.2	91.5	97.0	89.2	70.7	72.6	104.3	South net
7/15/2011	<i>Caretta caretta</i>		BBP056/BBP057	80.3	81.8	86.4	79.8	62.0	60.4	69.6	Hand capture
7/15/2011	<i>Caretta caretta</i>		BBP058/BBP059	69.0	70.4	76.1	74.5	60.5	53.8	50.2	Hand capture
7/15/2011	<i>Caretta caretta</i>		BBP061/BBP062	64.2	65.9	71.2	69.3	58.4	51.6	39.7	Hand capture
7/15/2011	<i>Caretta caretta</i>	13	BBP063/BBP064	83.5	85.2	92.1	85.9	61.6	64.3	81.6	Hand capture
7/18/2011	<i>Caretta caretta</i>		BBP065/BBP066	62.7	64.2	68.2	64.6	55.0	50.2	39.5	North net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/19/2011	<i>Chelonia mydas</i>		4B12322D62	29.0	29.6	30.9	27.0	24.9	24.3	3.3	South net
7/19/2011	<i>Caretta caretta</i>	14	BBP067/BBP068	84.3	85.8	88.5	89.5	71.3	67.4	92.1	North net
7/19/2011	<i>Caretta caretta</i>	15	BBP069/BBP070	85.4	86.3	95.7	86.0	68.0	67.4	95.9	North net
7/19/2011	<i>Caretta caretta</i>		BBP071/BBP072	58.6	60.2	64.0	61.6	49.7	46.8	30.4	North net
7/19/2011	<i>Chelonia mydas</i>	16	BBP073/BBP074	58.3	58.7	62.7	52.0	42.5	46.5	24.7	South net
7/19/2011	<i>Caretta caretta</i>	17	BBP075/BBP076	84.8	85.7	90.6	84.2	66.6	62.9	78.6	South net
7/19/2011	<i>Caretta caretta</i>	18	BBP077/BBP078	85.8	86.9	90.0	81.8	64.8	66.9	85.5	South net
7/19/2011	<i>Caretta caretta</i>	19	BBP079/BBP080	86.7	88.3	92.8	86.7	70.0	65.4	91.0	South net
7/19/2011	<i>Caretta caretta</i>		BBP081/BBP082	65.3	66.4	71.5	71.5	55.8	52.8	44.7	North net
7/20/2011	<i>Caretta caretta</i>		BBP083/BBP084	83.1	84.1	89.3	82.7	66.2	66.3	85.3	South net
7/20/2011	<i>Caretta caretta</i>	20	BBP085/BBP086	89.3	90.8	97.6	85.4	70.3	69.0	101.0	South net
7/21/2011	<i>Caretta caretta</i>	21	BBP087/BBP088	90.9	93.1	97.5	87.3	66.5	65.1	93.2	North net
7/21/2011	<i>Caretta caretta</i>		BBP089/BBP090	62.8	64.2	66.7	67.0	53.6	49.8	38.0	Hand capture
7/21/2011	<i>Caretta caretta</i>	22	BBP091/BBP092	85.4	85.9	91.2	81.5	63.5	64.4	76.2	South net
7/22/2011	<i>Caretta caretta</i>		BBP093/BBP094	72.5	73.8	77.4	69.8	57.0	57.2	53.3	Hand capture
7/22/2011	<i>Caretta caretta</i>		BBP095/BBP096	49.3	50.4	53.3	51.3	43.2	39.6	18.5	Hand capture
7/22/2011	<i>Caretta caretta</i>		BBP097/BBP098	59.4	60.5	64.8	62.1	51.7	48.1	32.1	North net
7/23/2011	<i>Chelonia mydas</i>		BBP099	30.1	30.3	31.5	26.8	24.5	25.6	3.6	North net
7/23/2011	<i>Caretta caretta</i>		BBP100/BBP101	76.9	78.3	85.0	78.6	61.7	62.1	67.3	South net
7/23/2011	<i>Caretta caretta</i>	23	BBP102/YYS022	86.6	87.2	94.3	85.0	68.1	68.0	90.4	South net

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/23/2011	<i>Caretta caretta</i>		BBP103/BBP104	56.2	58.1	61.4	61.7	52.0	45.6	31.5	North net
7/23/2011	<i>Caretta caretta</i>		BBP105/BBP106	67.0	68.4	75.1	72.5	58.8	54.5	50.4	Hand capture
7/23/2011	<i>Caretta caretta</i>		BBP107/BBP108	69.5	70.6	75.5	71.2	56.1	55.3	47.9	Hand capture
7/23/2011	<i>Caretta caretta</i>	24	BBP109/BBP110	89.9	90.2	95.8	82.9	63.5	69.7	88.8	South net
7/23/2011	<i>Caretta caretta</i>		BBP111/BBP112	62.8	64.2	67.4	64.4	53.4	51.3	36.0	Hand capture
7/23/2011	<i>Caretta caretta</i>		BBP113/BBP114	65.7	66.8	71.9	70.4	54.4	51.1	44.1	South net
7/23/2011	<i>Caretta caretta</i>	25	UUX436/UUX437	85.1	85.6	94.5	84.0	63.7	66.5	105.4	Hand capture
7/25/2011	<i>Caretta caretta</i>	26	BBP071/BBP072	57.9	59.5	62.7	62.0	49.5	46.1	30.3	Hand capture
7/25/2011	<i>Caretta caretta</i>		BBP115/BBP116	67.6	68.8	72.3	71.2	58.9	54.8	46.4	Hand capture
7/25/2011	<i>Caretta caretta</i>		BBP117/BBP118	66.0	67.5	71.8	70.3	58.2	53.1	44.5	Hand capture
7/25/2011	<i>Chelonia mydas</i>	27	BBP119/UUH870	52.2	52.3	55.3	49.2	41.0	43.3	19.2	Hand capture
7/25/2011	<i>Chelonia mydas</i>	28	BBP120/UUX543	44.4	45.7	48.4	44.2	35.8	36.8	12.4	Hand capture
7/25/2011	<i>Chelonia mydas</i>		BBP121	36.2	37.0	38.5	33.8	29.1	30.6	6.6	Hand capture
7/25/2011	<i>Chelonia mydas</i>	29	BBP122/UUB733	54.7	54.7	59.1	55.0	44.9	44.5	22.6	Hand capture
7/25/2011	<i>Caretta caretta</i>		BBP123/BBP124	76.5	78.1	84.0	77.7	62.7	61.2	67.5	South net
7/25/2011	<i>Chelonia mydas</i>	30	UUH887/UUH888	47.9	48.0	50.4	44.8	38.6	39.4	15.0	Hand capture
7/26/2011	<i>Caretta caretta</i>	31	BBP125/BBP126	89.7	90.7	97.0	87.5	67.8	68.2	91.0	Hand capture
7/26/2011	<i>Caretta caretta</i>	32	BBP127/BBP128	84.9	86.5	91.8	79.3	61.5	64.4	79.3	Hand capture
7/26/2011	<i>Caretta caretta</i>		BBP129/BBP130	66.9	68.0	71.5	71.0	57.0	53.5	42.3	Hand capture
7/26/2011	<i>Caretta caretta</i>		BBP131/BBP132	73.3	74.5	79.2	71.2	60.1	54.7	54.9	Hand capture

Date	Species	Note	Tag #'s	SMCL (cm)	SSCL (cm)	CSCl (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	Weight (kg)	Method
7/26/2011	<i>Caretta caretta</i>		BBP133/BBP134	59.5	60.7	64.4	60.9	51.1	48.2	29.0	Hand capture
7/27/2011	<i>Caretta caretta</i>	33	BBP135/BBP136	92.9	93.6	98.0	88.1	72.1	71.5	109.7	Hand capture
7/27/2011	<i>Chelonia mydas</i>	34	BBP137/BBP138	62.4	62.7	67.1	61.8	50.5	51.4	35.6	Hand capture
7/27/2011	<i>Caretta caretta</i>	35	UUX622/UUX623	100.6	102.3	108.7	99.9	83.1	78.5	148.1	Hand capture
7/28/2011	<i>Caretta caretta</i>		BBP139/BBP140	65.0	66.4	70.5	68.3	54.6	49.6	36.3	North net
7/29/2011	<i>Caretta caretta</i>	36	BBP141/BBP142	87.9	88.7	93.8	90.2	69.6	66.4	98.4	Hand capture
7/29/2011	<i>Caretta caretta</i>		BBP143/BBP144	61.7	62.7	66.6	55.0	53.8	49.1	35.8	Hand capture

Monthly reports due by the 10th.

Notes should include the following:

Adults

Recaptures

Strange Tags

Tag Returns

Papillomas

Mortalities

Rehab Turtles

Hybrids (choose >)

NOTES

1. DEAD (NON-CAUSAL MORTALITY). RECAPTURE from 3/31/10. Found moderately decomposed on barrier net. Missing head. Most likely entrained post-mortem. Held in freezer for FFWCC state necropsy workshops.
2. PAPILLOMAS (Tumor Score = 30). Turtle released same day as capture.
3. PAPILLOMAS (Tumor Score = 1). Tumor is undergoing regression, located on trailing edge of LFF. Turtle released same day as capture.
4. PAPILLOMAS (Tumor Score = 1). One small regressed tumor on neck. Turtle released same day as capture.
5. PAPILLOMAS (Tumor Score = 60). Right eye is 60% obstructed by tumors. No large tumors on turtle. Power plant notifications made after contacting FWC. State later asked us to release turtle because rehab locations too full. Spoke to shift manager directly to advise of change. Turtle released same day as capture.
6. PAPILLOMAS (Tumor Score = 106). Lots of large tumors on hind flippers and tail. Power plant notifications made after contacting FWC. State later asked us to release turtle because rehab locations too full. Spoke to shift manager directly to advise of change. Turtle released same day as capture.
7. Strange Tag (PIT Tag #454A777870). Source of tag yet to be determined.
8. PAPILLOMAS (tumor score=47). Turtle released same day as capture.
9. DEAD (NON-CAUSAL MORTALITY). Found floating at surface of barrier net moderately decomposed. Held in freezer for FFWCC state necropsy workshops.
10. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/23/09, 3/23/10, 9/22/10, and 1/31/11.

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

NOTES

1. PAPILLOMAS (Tumor Score = 31). No inconel tags inserted because the tumors were in the way.
Turtle released same day as capture.
2. DEAD (NON-CAUSAL MORTALITY). Found floating at surface of barrier net severely decomposed.
No other wounds or abnormalities. Buried off beach after consultation with FWC.
3. DEAD (NON-CAUSAL MORTALITY). Found floating at surface of barrier net moderately decomposed.
No other wounds or abnormalities. Buried off beach after consultation with FWC.
4. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on
6/15/03, 7/17/03, 11/26/03, 4/1/04, 5/14/05, 7/2/05, 7/23/05, 10/17/05, 5/10/06, 8/21/06, 9/25/06, 12/2/07,
3/15/08, 11/2/08, 2/14/09, 6/23/09, 12/7/09, 9/18/10 and 2/20/11.
5. DEAD (NON-CAUSAL MORTALITY). Turtle found moderately decomposed floating in FPL intake canal.
No other wounds or abnormalities. Buried off beach after consultation with FWC.

SMCL = Straight Minimum Carapace Length

SMCL = Straight Standard Carapace Length

CSCW = Curved Standard Carapace Width

CMCW = Curved Maximum Carapace Width

SMCW = Straight Maximum Carapace Width

SMPL = Straight Midline Plastron Length

NOTES

1. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/26/10 and 3/10/11.

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

NOTES

1. REHAB. Turtle was sent to rehab for possible boat strike injury. This injury was not causal to power plant operations. 10% missing from posterior carapace (healing). All length measurements are estimates due to carapace damage. Hand captured at surface. Turtle was lethargic with heavy epibiont coverage. Transported to Marinelife Center in Juno Beach by FWC stranding coordinator.
2. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/11/08 and 4/27/11. New inconel tag placed in RFF. LFF tag from initial capture missing.
3. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/11/06, 3/24/10, 10/20/10 and 4/28/11.
4. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 3/31/11 and 4/28/11.

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

NOTES

1. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 9/11/08, 4/27/11 and 5/1/11.
2. Adult female. Tail length = 176 mm.
3. Adult female. Tail length = 180 mm.
4. Adult female. Tail length = 225 mm. Old healing wounds on both front flippers possibly due to shark attack. Shark rakings also on plastron.
5. Male. Tail length = 392 mm. Sex was apparent from the animal's tail length, even though the turtle was not at least 85.0cm (the cut-off for adults).
6. REHAB (Not causal to power plant operation). Turtle was in poor condition when it was recovered from the intake canal by IRG biologists. It was hand captured at base of temporary 5-inch barrier net. Animal underweight and lethargic, with heavy epibiont coverage. Some marginals were cracked and/or missing from left posterior carapace. There was also a 4cm gash in the plastron near the intergular scute. Transported to Marinelife Center in Juno Beach by FWC stranding coordinator.
7. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/5/08 and 5/10/11. Inconel tag inserted today in the left front flipper (LFF).
8. Adult female. Tail length = 212 mm.
9. Adult female. Tail length = 209 mm.
10. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 7/28/09, 12/3/09, 2/11/10, 9/3/10 and 5/18/11.
11. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 6/15/03, 7/17/03, 11/26/03, 4/1/04, 5/14/05, 7/2/05, 7/23/05, 10/17/05, 5/10/06, 8/21/06, 9/25/06, 12/2/07, 3/15/08, 11/2/08, 2/14/09, 6/23/09, 12/7/09, 9/18/10, 2/20/11 and 5/18/11. Hook with 2.5ft of fishing line dislodged from ventral side of right shoulder during workup. Wound cleaned with betadine prior to release.
12. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 5/10/11 and 5/18/11.
13. Adult female. Tail length = 270 mm.
14. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/6/08 and 5/18/11. Inconel tags inserted today.
15. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 10/28/04, 5/20/05, 5/28/05, 7/20/05, 8/2/05, 8/12/05, 9/12/05, 4/16/06, 6/24/06, 8/14/06, 2/2/07, 3/10/08, 9/7/08, 12/22/08 and 5/18/11. New inconel tags inserted today.
16. Adult male. Tail length = 482 mm.
17. Adult female. Tail length = 221 mm. TAG RETURN, observed nesting in INBS zone "N" (just north of discharge canal) during FPL sponsored turtle walk on 6/3/11. Large indentation on right side of carapace (possible healed boat strike).
18. 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, 6/24/09, 1/11/10, 3/31/10, 6/5/10, 8/27/10, 10/10/10, 11/27/10 and 5/18/11. New inconel tag inserted today in LFF.
19. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/16/09 and 5/22/11. New inconel tag inserted today in right front flipper (RFF).
20. Adult female. Tail length = 240 mm.
21. Adult female. Tail length = 178 mm.
22. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 3/24/11 and 5/29/11. Previous PIT tag not found during scan (failed). New PIT tag inserted this capture.
23. Adult male. Tail length = 419 mm.
24. Adult male. Tail length = 549 mm.
25. Adult female. Tail length = 190 mm.

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NOTES

1. Adult female. Tail length = 257 mm.
2. Adult female. Tail length = 220 mm.
3. Adult female. Tail length = 266 mm.
4. Adult female. Tail length = 198 mm.
5. Adult female. Tail length = 232 mm. Moderate fresh scrape above left eye (skull exposed).
6. Adult female. Tail length = 260 mm. Mating scar on ventral surface of neck (bite mark evident). Entanglement scar on RFF (furrow from line or rope circumscribes flipper).
7. STRANGE TAG (Inconel tag in LFF). Source of tag yet to be determined. PIT tag inserted today. Adult female. Tail length = 205 mm. Moderate fresh scrape below right eye.
8. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/11/04, 9/13/05, 4/26/06, 7/16/06, 12/3/07, 2/1/08, 4/23/08, 9/2/08 10/15/08, 11/12/08 and 6/9/11. New inconel tags inserted today.
9. Adult female. Tail length = 215 mm. Healing shark wounds on dorsal surface of head, and ventral surface of neck all four flippers. No broken bones. Injuries appear to be healing well (granulated tissue). Classified condition as fair and released adult female to nest.
10. Adult female. Tail length = 275 mm. Multiple deep fresh scrapes on head (skull exposed).
11. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/5/08, 5/10/11 and 6/13/11. Hooking wound in ventral base of right front flipper (healing).
12. Adult male. Tail length = 400mm. Sex determination obvious from tail length even though turtle is not yet 85.0cm straight standard carapace length (85.0 SSCL is the cut-off for adult loggerheads).
13. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/10/05, 9/21/06, 12/18/06, 4/21/07, 12/6/07, 5/25/08, 10/9/08, 6/15/09 and 6/13/11.
14. Adult male. Tail length = 440mm. Necrotic wounds present on all four flippers. Granulated tissue on neck, possibly mating wounds.
15. Adult female. Tail length = 250 mm. STRANGE TAG (PIT tag in rear flipper). Source of tag yet to be determined. Necrotic patch on dorsal surface of tail.
16. Adult female. Tail length = 235. Mating wounds on dorsal surface of neck and both shoulders.
17. Adult female. Tail length = 276 mm.
18. Adult female. Tail length = 212 mm. Possible boat strike injury to posterior carapace (healed carapace damage).
19. STRANGE TAG (Inconel tag #HA1509 in RFF). Source of tag yet to be determined. Inconel tag #UUX679 and PIT tag inserted today. Adult female. Tail length = 243 mm. Moderate fresh scrapes on head (skull exposed). Cut above right eye (fresh scrape).
20. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 1/12/07, 2/28/07, 7/12/07, 8/5/07, 9/8/07, 3/31/09, 12/2/09, 3/22/10, 10/12/10 and 6/23/11.
21. Adult female. Tail length = 283 mm.
22. Adult female. Tail length = 211 mm.
23. Adult female. Tail length = 197 mm.
24. Adult female. Tail length = 240 mm.
25. Adult female. Tail length = 183 mm.

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NOTES

1. REHAB (NON-CAUSAL). STSSN# CRM110705-01. Turtle dip netted by IRG biologists near temporary 5-inch barrier net. Animal was severely underweight and lethargic (heart beat visible). Turtle transported to Marinelife Center by IRG personnel. Old healed injury to right anterior carapace (several marginals missing). Turtle later died in rehab (necropsy results pending).
2. Adult female. Tail length = 275 mm. Bite marks on face from fighting with other adult female loggerhead turtle in canal (two cuts 3cm and 4cm on left side of jaw). Animals were observed biting each other at the water's surface prior to capture.
3. Adult female. Tail length = 255 mm.
4. REHAB (NON-CAUSAL). STSSN# CRM110706-01. Turtle hand captured by IRG biologists near temporary 5-inch barrier net. Animal was severely underweight and lethargic (heart beat visible). Turtle transported to Marinelife Center by IRG personnel. Scutes sloughing off on carapace.
5. Adult female. Tail length = 226 mm. Shark attack victim. Approximately 15% missing from right posterior carapace (healed shark bite).
6. Adult female. Tail length = 205 mm.
7. PAPILLOMAS, possible papillomas (cauliflower-like tissue at base of tail). Large smooth nodule at base of left rear flipper (5cm in diameter).
8. Adult female. Tail length = 198 mm.
9. Adult female. Tail length = 225 mm.
10. STRANGE TAG (Inconel #HA9442 in LFF, #HA9443 in RFF, PIT #4B627D2058). Source of tag yet to be determined. Adult female. Tail length = 187 mm.
11. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 3/24/11, 5/29/11 and 7/10/11. Turtle has two PIT tags (4A5E20453A & 4B11757F5C). Previous PIT tag #4A5E20453A reported as failed on 5/29/11. Concave plastron.
12. Adult female. Tail length = 175 mm.
13. Adult female. Tail length = 194 mm. Moderate fresh scrape between nares and right eye.
14. Adult female. Tail length = 228 mm.
15. Adult female. Tail length = 185 mm.
16. 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, 4/30/08, 1/26/09, 10/1/09, 2/13/10, 3/27/10 and 7/19/11.
17. Adult female. Tail length = 213 mm.
18. Adult female. Tail length = 203 mm.
19. Adult female. Tail length = 231 mm.
20. Adult female. Tail length = 238 mm. Skull exposed from moderate fresh scrape to the head. Mating scar on ventral surface of neck.
21. Adult male. Tail length = 360mm. Moderate deep fresh scrape under jaw.
22. Adult female. Tail length = 215 mm.
23. Adult female. Tail length = 176mm. STRANGE TAG (Inconel tag in LFF). Tagged by Lauren Smith (FAU Graduate student) on Hutchinson Island, INBS Zone S, for her blood project. New inconel and PIT tags inserted today into RFF. Healed prop scar across last right costal and vertebral scutes (16cm in length).
24. Adult female. Tail length = 156mm. Deep wound in carapace from entrainment (moderate fresh scrape).
25. Adult female. Tail length = 189mm. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 2/23/11 and 7/23/11. Old PIT tag #4A0E17124B may have failed (not detected this capture). New inconel tag inserted today in RFF.
26. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 7/19/11 and 7/25/11.
27. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 10/7/04, 11/3/04, 11/23/04, 1/24/06, 1/4/08, 2/18/08, 10/4/08, 12/13/08, 10/15/10, 10/20/10 and 7/25/11. Moderate fresh scrape on head. New inconel tag inserted today in RFF.
28. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on

- 8/5/08, 5/10/11, 6/13/11 and 7/25/11. New inconel tag inserted today in RFF.
29. 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, 12/14/09, 1/11/10, 9/21/10 and 7/25/11. New inconel tag inserted today in LFF. Large cut in left corner of mouth from entrainment (moderate fresh scrape).
30. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/1/04, 1/11/05, 11/24/10 and 7/25/11.
31. Adult female. Tail length = 184mm. Turtle missing 75% from terminal end of LFF.
32. Adult female. Tail length = 225mm.
33. Adult female. Tail length = 246mm.
34. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 2/15/02, 5/24/02, 4/28/03, 7/16/05, 9/16/06, 12/27/06, 7/11/08 and 7/27/11.
35. Adult female. Tail length = 258mm. RECAPTURE. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 6/5/11 and 7/27/11.
36. Adult female. Tail length = 178mm. Missing 50% of LRF, 20% of RRF, and 50% of RFF (all healed). Moderate deep fresh scrapes in carapace.

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	Loggerheads (<i>Caretta caretta</i>)		Green turtles (<i>Chelonia</i>)		Hawksbills (<i>Eretmochelys</i>)		Leatherbacks (<i>Dermochelys</i>)		Kemp's ridley (<i>Lepidochelys</i>)		Overall Totals	
	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date
Captures	13	13	39	39	0	0	0	0	0	0	52	52
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	0	2	2	0	0	0	0	0	0	2	2
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	0	0	0	0	0	0	0	0	0	0	0
Fresh Scrapes	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date	Jan-	Year to Date
None	2	2	2	2	0	0	0	0	0	0	4	4
Minor	11	11	32	32	0	0	0	0	0	0	43	43
Moderate	0	0	5	5	0	0	0	0	0	0	5	5
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	0.0%	0.0%	12.8%	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	9.6%	9.6%

	Loggerheads (<i>Caretta caretta</i>)		Green turtles (<i>Chelonia</i>)		Hawksbills (<i>Eretmochelys</i>)		Leatherbacks (<i>Dermochelys</i>)		Kemp's ridley (<i>Lepidochelys</i>)		Overall Totals	
	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date
Captures	12	25	8	47	0	0	0	0	0	0	20	72
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	0	3	5	0	0	0	0	0	0	3	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	0	0	0	0	0	0	0	0	0	0	0
Fresh Scrapes	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date	Feb-	Year to Date
None	4	6	5	7	0	0	0	0	0	0	9	13
Minor	7	18	3	35	0	0	0	0	0	0	10	53
Moderate	1	1	0	5	0	0	0	0	0	0	1	6
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	8.3%	4.0%	0.0%	10.6%	N/A	N/A	N/A	N/A	N/A	N/A	5.0%	8.3%

[illegible]

	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	
	May-	Year to Date	May-	Year to Date	May-	Year to Date	May-	Year to Date	May-	Year to Date	May-	Year to Date
Captures	43	101	14	71	0	0	0	0	0	0	57	172
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	1	2	0	0	0	0	0	0	0	0	1	2
Fresh Scrapes	May-	Year to Date	May-	Year to Date	May-	Year to Date	May-	Year to Date	May-	Year to Date	May-	Year to Date
None	3	11	1	10	0	0	0	0	0	0	4	21
Minor	34	83	12	55	0	0	0	0	0	0	46	138
Moderate	6	7	1	6	0	0	0	0	0	0	7	13
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	14.0%	6.9%	7.1%	8.5%	N/A	N/A	N/A	N/A	N/A	N/A	12.3%	7.6%

	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	
	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date
Captures	45	146	7	78	0	0	0	0	0	0	52	224
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	2	0	0	0	0	0	0	0	0	0	2
Fresh Scrapes	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date	Jun-	Year to Date
None	0	11	0	10	0	0	0	0	0	0	0	21
Minor	37	120	7	62	0	0	0	0	0	0	44	182
Moderate	8	15	0	6	0	0	0	0	0	0	8	21
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	17.8%	10.3%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.4%	9.4%

	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-	Year to Date	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date
Captures	71	217	10	88	1	1	0	0	0	0	82	306
Causal Mortalities	0	0	0	0	0	0	0	0	0	0	0	0
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	2	4	0	0	0	0	0	0	0	0	2	4
Fresh Scrapes	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date	Jul-	Year to Date
None	5	16	0	10	1	1	0	0	0	0	6	27
Minor	57	177	8	70	0	0	0	0	0	0	65	247
Moderate	9	24	2	8	0	0	0	0	0	0	11	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	12.7%	11.1%	20.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.4%	10.5%

	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	
	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date
Captures	0	217	1	89	0	1	0	0	0	0	1	307
Causal Mortalities	0	0	1	1	0	0	0	0	0	0	1	1
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	4	0	0	0	0	0	0	0	0	0	4
Fresh Scrapes	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date	Aug-	Year to Date
None	0	16	0	10	0	1	0	0	0	0	0	27
Minor	0	177	1	71	0	0	0	0	0	0	1	248
Moderate	0	24	0	8	0	0	0	0	0	0	0	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	#DIV/0!	11.1%	0.0%	9.0%	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	10.4%

	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	
	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date
Captures	0	217	0	89	0	1	0	0	0	0	0	307
Causal Mortalities	0	0	0	1	0	0	0	0	0	0	0	1
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	4	0	0	0	0	0	0	0	0	0	4
Fresh Scrapes	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date	Sep-	Year to Date
None	0	16	0	10	0	1	0	0	0	0	0	27
Minor	0	177	0	71	0	0	0	0	0	0	0	248
Moderate	0	24	0	8	0	0	0	0	0	0	0	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	#DIV/0!	11.1%	#DIV/0!	9.0%	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10.4%

	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	
	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date
Captures	0	217	0	89	0	1	0	0	0	0	0	307
Causal Mortalities	0	0	0	1	0	0	0	0	0	0	0	1
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	4	0	0	0	0	0	0	0	0	0	4
Fresh Scrapes	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date	Oct-	Year to Date
None	0	16	0	10	0	1	0	0	0	0	0	27
Minor	0	177	0	71	0	0	0	0	0	0	0	248
Moderate	0	24	0	8	0	0	0	0	0	0	0	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	#DIV/0!	11.1%	#DIV/0!	9.0%	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10.4%

	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	
	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date
Captures	0	217	0	89	0	1	0	0	0	0	0	307
Causal Mortalities	0	0	0	1	0	0	0	0	0	0	0	1
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	4	0	0	0	0	0	0	0	0	0	4
Fresh Scrapes	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date	Nov-	Year to Date
None	0	16	0	10	0	1	0	0	0	0	0	27
Minor	0	177	0	71	0	0	0	0	0	0	0	248
Moderate	0	24	0	8	0	0	0	0	0	0	0	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	#DIV/0!	11.1%	#DIV/0!	9.0%	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10.4%

	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	
	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date
Captures	0	217	0	89	0	1	0	0	0	0	0	307
Causal Mortalities	0	0	0	1	0	0	0	0	0	0	0	1
Non-causal Mortalities	0	0	0	5	0	0	0	0	0	0	0	5
Causal Injuries	0	0	0	0	0	0	0	0	0	0	0	0
Sent to rehab	0	4	0	0	0	0	0	0	0	0	0	4
Fresh Scrapes	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date	Dec-	Year to Date
None	0	16	0	10	0	1	0	0	0	0	0	27
Minor	0	177	0	71	0	0	0	0	0	0	0	248
Moderate	0	24	0	8	0	0	0	0	0	0	0	32
Severe	0	0	0	0	0	0	0	0	0	0	0	0
Percent with mod/sev scrapes	#DIV/0!	11.1%	#DIV/0!	9.0%	#DIV/0!	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10.4%