

## Balsam, Briana

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**From:** Dennis Logan  
**Sent:** Monday, January 07, 2008 1:04 PM  
**To:** Briana Balsam; Elizabeth Wexler  
**Subject:** Fwd: December St. Lucie sea turtle report  
**Attachments:** Dec07rep.rtf; Notes07.xls

**Categories:** Work Deadline

Braina and Liz,

Here is a monthly summary of endangered sea turtle takes at the St. Lucie plant. St. Lucie began copying us starting with the new year--I think they were already sending monthly summaries to Fish and Wildlife. This should make it easier to check our spreadsheet. I thought this would come to us through RIDS, and we might have to make an adjustment so that it does.

Dennis

>>> <[Michael\\_Bresette@fpl.com](mailto:Michael_Bresette@fpl.com)> 1/7/2008 11:27:36 AM >>>

Mrs. Meghan Koperski January 7, 2007  
Florida Fish and Wildlife Conservation Commission  
Bureau of Protected Species Management  
P.O. Box 3478  
Tequesta, FL 33469

Subject: Marine Turtle Removal Monthly Summary  
December 2007

Dear Meghan,

Attached, please find the monthly summary of marine turtle removals for December 2007. In December, we captured four (4) Caretta caretta and twelve (12) Chelonia mydas in the intake canal of the St. Lucie power plant on South Hutchinson Island. The temporary, primary barrier net is now in place and effectively containing all turtles in the canal to the east of that location. All turtles captured in December were released back to the ocean on the day of capture. Tag numbers and morphometric data for all turtles are attached. Beginning in January we will quantify the number and severity of scrapes incurred by sea turtles entrained through the intake pipes. We will then be able to compare these data to previous year's data to determine what impact cleaning of the pipes has on reducing sea turtle injuries. Please contact me at your convenience if you have any questions or comments.

Sincerely,

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

*(See attached file: Dec07rep.rtf)(See attached file: Notes07.xls)*

**MARINE TURTLE REMOVALS  
ST. LUCIE PLANT INTAKE CANAL  
DECEMBER 2007**

| <b>Date</b> | <b>Species</b>         | <b>Note</b> | <b>Tag #'s</b> | <b>SMCL<br/>(cm)</b> | <b>SSCL<br/>(cm)</b> | <b>CSCL<br/>(cm)</b> | <b>CMCW<br/>(cm)</b> | <b>SMCW<br/>(cm)</b> | <b>SMPL<br/>(cm)</b> | <b>Weight<br/>(kg)</b> | <b>Method</b> |
|-------------|------------------------|-------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|---------------|
| 12/2/2007   | <i>Chelonia mydas</i>  | 1           | YYB179/YYB180  | 54.3                 | 54.6                 | 57.8                 | 50.0                 | 42.5                 | 45.9                 | 23.0                   | South net     |
| 12/3/2007   | <i>Chelonia mydas</i>  | 2           | YYB110         | 44.3                 | 44.5                 | 47.7                 | 41.4                 | 34.6                 | 37.2                 | 12.1                   | South net     |
| 12/3/2007   | <i>Chelonia mydas</i>  | 3           | YYB181         | 42.7                 | 42.8                 | 46.2                 | 38.5                 | 32.3                 | 35.6                 | 10.4                   | South net     |
| 12/4/2007   | <i>Chelonia mydas</i>  | 4           | YYB182/YYB183  | 60.2                 | 60.3                 | 65.9                 | 62.9                 | 50.5                 | 48.8                 | 31.6                   | South net     |
| 12/5/2007   | <i>Chelonia mydas</i>  | 5           |                | 38.7                 | 38.9                 | 42.2                 | 35.0                 | 29.8                 | 31.7                 | 7.7                    | South net     |
| 12/6/2007   | <i>Chelonia mydas</i>  | 6           |                | 38.0                 | 39.5                 | 42.1                 | 36.3                 | 31.8                 | 32.3                 | 7.5                    | North net     |
| 12/9/2007   | <i>Chelonia mydas</i>  | 7           |                | 41.8                 | 42.1                 | 44.5                 | 37.9                 | 32.6                 | 34.3                 | 9.1                    | North net     |
| 12/9/2007   | <i>Chelonia mydas</i>  | 8           | RRM837         | 46.6                 | 46.6                 | 49.3                 | 45.0                 | 36.9                 | 37.4                 | 13.0                   | South net     |
| 12/17/2007  | <i>Caretta caretta</i> | 9           | YYB108/YYB109  | 62.0                 | 63.0                 | 69.0                 | 66.2                 | 54.3                 | 49.7                 | 34.7                   | South net     |
| 12/19/2007  | <i>Caretta caretta</i> |             | YYB184/YYB185  | 72.3                 | 73.5                 | 77.1                 | 74.9                 | 60.5                 | 58.1                 | 54.3                   | South net     |
| 12/20/2007  | <i>Chelonia mydas</i>  |             |                | 28.3                 | 28.7                 | 30.3                 | 26.5                 | 24.2                 | 23.8                 | 2.9                    | South net     |
| 12/22/2007  | <i>Caretta caretta</i> | 10          |                | 64.0                 | 64.8                 | 70.2                 | 68.0                 | 53.4                 | 50.4                 | 37.0                   | North net     |
| 12/26/2007  | <i>Chelonia mydas</i>  |             | YYB186         | 31.1                 | 32.0                 | 34.2                 | 29.8                 | 27.2                 | 25.9                 | 4.1                    | South net     |
| 12/29/2007  | <i>Chelonia mydas</i>  |             | YYB188         | 29.3                 | 30.0                 | 32.0                 | 28.1                 | 25.3                 | 25.6                 | 3.3                    | South net     |
| 12/30/2007  | <i>Caretta caretta</i> |             | YYB189/YYB190  | 71.4                 | 72.8                 | 79.5                 | 74.0                 | 59.2                 | 57.8                 | 58.5                   | North net     |
| 12/31/2007  | <i>Chelonia mydas</i>  |             | YYB191         | 42.6                 | 43.0                 | 45.0                 | 40.3                 | 33.6                 | 33.6                 | 9.7                    | North net     |

## NOTES

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1. 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 and 9/25/06..
2. 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 and 8/19/07.
3. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/11/04, 9/13/05, 4/26/06 and 7/16/06.
4. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 6/25/03 and 4/5/05.
5. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 4/9/05, 9/23/05, 10/29/05, 2/2/06, 4/29/06, 6/26/06, 8/16/06, 1/2/07 and 10/11/07.
6. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 12/10/05, 9/21/06, 12/18/06 and 4/21/07.
7. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 11/5/05, 9/23/06, 10/10/06, 10/24/06 and 12/28/06.
8. 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 and 12/4/06.
9. Recapture. Turtle was removed from the intake canal, tagged and released at Hutchinson Island on 8/18/07, 8/21/07, 8/24/07, 9/2/07, 9/10/07 and 10/25/07.
10. STRANGE TAG. Whereabouts of original capture still pending.

*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*