FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
FISH AND WILDLIFE RESEARCH INSTITUTE

NOTES

1. Please complete pages 2 - 4 in their entirety. Fill in all blanks even if the answer is zero or it is not applicable. If the question does not apply, please enter N/A (except for date fields-these can be left blank if it doesn't apply). If you have any questions, please contact Beth Brost at **beth.brost@MyFWC.com** (727-896-8626 x 1914).

2. Please do not change the form's format. If the information in red text is incorrect, there are spaces available to note corrections.

3. To get started, the first thing you want to do is save this form onto your computer. To do this, go to: File, Save As. **Once you have saved the file**, go to page 2 and click on the "Organization" blue field. From there, you can use the tab key to move from one entry field to the next. Once the form is complete, you will need to save the file again to include your data. **Note:** for each fill in blank, do not exceed the visible space.

4. Additional Comments. If you need additional space for comments, please go to the last page.

5. Submittal deadline is 30 November. Please email the completed report to **beth.brost@MyFWC.com** .

DEFINITIONS

Self-Releasing: A screen, cage, or hatchery through which hatchlings escape unaided.

Restraining: A screen, cage, or hatchery that does not allow hatchlings to escape unaided.

Hatchery: A fenced or caged area where many nests are reburied.

Pipped: Hatchling broken through shell but not completely free of shell, not a hatched egg.

Relocated: Clutch was moved from the original site of deposition. Nests are only considered relocated if this is the initial treatment.

#of Eggs in Evaluated Nests: For *relocated* nests, a direct count of eggs; for nests *left in place* , a count of eggshells that are >50% complete. **Note:** empty eggshells are from hatchlings that have already emerged **and** from live and dead hatchlings still in the nest.

# of Hatchlings Emerged: Count only those hatchlings that emerged unaided (prior to nest evaluation) **# Empty Shells minus (Live and Dead Hatchlings in Nest)**

# of Unhatched Eggs: (1) undamaged and unpipped eggs; and (2) damaged eggs

Important: The # of Hatchlings Emerged + # of Live Hatchlings in Nest + # of Dead Hatchlings in Nest + # of Pipped Live + # of Pipped Dead + # of Unhatched Eggs = the # of Eggs in Evaluated Nests. **Please check to make sure this is the case.**

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SEA TURTLE NESTING REPORT FOR 2012

1. PRINCIPAL PERMIT HOLDER INFORMATION

Principal Permit Holder:	**Mary Duffy**	Permit Number:	**088**
Organization:	**Amelia Island Sea Turtle Watch, Inc.**		
Address:	**P.O, Box 566**		
	Fernandina Beach, FL 32035		
County:	**Nassau**	Email Address:	**mdcaretta@comcast.net**
Day Telephone (include area code):	**(904) 583-1913**	Night Telephone:	**(904) 583-1913**
Beach Name:	**Amelia Island**		
Point of Contact & Phone #	**Mary Duffy, 904-583-1913**	Email Address for Point of Contact: (if different from above)	**mdcaretta@comcast.net**

2. GENERAL SURVEY INFORMATION

Survey Boundary Information: Please describe survey boundaries geographically. If boundaries have changed, please enter the new boundaries in the space below. Be specific and use known landmarks that can be found on a map (or include a marked map).

Beginning Survey Boundary:	**S. Bdry of Ft. Clinch SP (30.52633, -81.43617)**		
Ending Survey Boundary:	**1.6 km N of Nassau River (30.69082, -81.42845)**		
Beach Length (include KM or MI):	**9 miles**	Is beach length estimated or measured?	**est.**
Was this the **exact** same survey area as last year? **Yes / No**			**Yes**

IF NO, please explain the specific differences AND why the survey area changed:

Start Date of Survey (mm/dd/yy):	**05/01/12**	End Date of Survey (mm/dd/yy):	**08/31/12**
Time of Day Surveyed: Start (include AM or PM)	**6:00 AM**	Finish (include AM or PM)	**8:30 AM**
Number of Days Per Week Surveyed:	**7**		
Total # of Days Surveyed in 2012 (this is the total # of days between start and end dates MINUS any missed days):	**122**		

If you did not survey 7 days per week throughout the nesting season, please describe your survey schedule (how many days per week, what days of the week). It is recommended to adhere to a fixed schedule if 7 days/week is not possible (e.g., 5 days/week every week), and these days would preferably be consecutive.

If you did not survey 7 days per week, how were tracks counted on the day that surveys resumed after a missed day? It is recommended that only tracks from the previous night be counted when the survey resumes.

Were all non-nesting crawls (false crawls) counted during your survey? **Yes** or **No**	**Yes**
If no, please explain why?	
How many people were involved in surveying your nesting beach this season?	**Approx. 6**

3. NESTING BEACH MANAGMENT INFORMATION	
If nests were RELOCATED, were they relocated **Individually** (Ex: simply moving the nest directly landward of the original location or otherwise maintaining natural nest spacing) or in a **Group** with other relocated nests (i.e., self-releasing and/or restraining hatchery)?	
Please give reasons for relocating nests. (Example: nest located below high tide line, in high foot traffic area, etc.)	
If a **HATCHERY** was used, please give reasons AND specific location:	
If predator control methods other than screening/caging were employed, please describe below:	
4. FATE OF NEST INFORMATION	
How many nests were marked?	
How many marked nests were **negatively affected by predators** other than humans during the course of the season? Note: this includes both partially and completely predated nests	
List all non-human predators that were documented predating nests this season:	
How many marked nests were **negatively affected by the nesting female or another nesting sea turtle**?	**0**
How many marked nests were **negatively affected by roots** *(i.e., damaged eggs, impeded hatchling emergence)*?	**5**
How many marked nests were **negatively affected by erosion, accretion, inundation, and storm-related events PRIOR to hatching?** ***Note: this <u>does not</u> include stake loss.***	**19**
Please give details:	**The first 16 nests were washed out in TS Beryl.**
The remaining 3 nests were inundated from TS Debby.	
How many marked nests were **taken or disturbed by humans** (Example: nest dug into, eggs removed, etc.)? ***Note: this <u>does not</u> include stake removal.***	**1**
Please give details:	**Children were seen digging into a nest. We suspect some eggs were taken.**
If **human disturbances** occurred, were they reported to law enforcement? **Yes or No**	Yes
Unmarked Nests: If known, please enter any comments regarding fate of unmarked nests on your beach. (Example: 14 unmarked nests were predated by raccoons, etc.)	
Five nests were unmarked and discovered upon emergence. One of those nests disoriented. The remaining four emerged without	
consequence.	
How many disorientation events occurred on this survey area in 2012?	**17**
If disorientation events occurred, have all **disorientation reports** been submitted to FWC? **Yes** or **No**	**Yes**

I certify the above information to be true and accurate to the best of my knowledge. (type in name & date)

Mary Duffy	**Date: 10/9/12**

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SEA TURTLE NESTING REPORT FOR 2012

1. PRINCIPAL PERMIT HOLDER INFORMATION

Principal Permit Holder:	**Mary Duffy**	Permit Number:	**088**
Beach Name:	**Amelia Island**		

2. GENERAL NESTING DATA

	C. caretta (Loggerhead)	*C. mydas* (Green Turtle)	*D. coriacea* (Leatherback)	*E.imbricata* (Hawksbill)	*L. kempii* (Kemp's Ridley)
Total # of Nests	**167**	**2**	**6**		
Total # of Non-Nesting Emergences (False Crawls)	**115**	**8**	**7**		
Date (mm/dd/yy) of First Documented Nest	**05/07/12**	**07/06/12**	**04/29/12**		
Date (mm/dd/yy) of Last Documented Nest	**08/14/12**	**07/29/12**	**07/03/12**		
If your Statewide totals are different from your Index totals, please state reasons why?	**INDEX begins on May 15. Leatherback eggs could not always be verified because size of site.**				
Total # of Nests *Prior* to 15 May:	**13**				
Total # of Nests *After* 31 Aug:	**0**				

Comments:

In the spaces below, please provide information on the initial nest treatment (e.g., in situ, screened, relocated, etc.). For example, if the intitial treatment was in situ with no protection, it should be included in "(a) # of Nests left in place without additional protection" even if you later relocate the nest due to erosion.

Nest Data for nests *left in place* (where the turtle deposited the clutch): These nests may be left without additional protection, screened with a self-releasing flat screen, or covered with self-releasing or restraining above-ground cages.

Record the number of nests by category and species. For each species, rows a+b+c+d should equal the total number of nests left in place. Please check to make sure this is the case.	*C. caretta* (Loggerhead)	*C. mydas* (Green Turtle)	*D. coriacea* (Leatherback)	*E.imbricata* (Hawksbill)	*L. kempii* (Kemp's Ridley)
TOTAL # OF NESTS *LEFT IN PLACE* (a + b + c + d)	**157**	**2**	**6**		
(a) # of Nests left in Place without Additional Protection	**157**	**2**	**6**		
(b) # of Nests left in Place with Self-Releasing Flat Screen	**1**				
(c) # of Nests left in Place with Self-Releasing Cage					
(d) # of Nests left in Place with Restraining Cage					

Relocated Nest Data: Relocated nests are those where the clutch is removed from its original site of deposition and reburied at another site. These nests may be relocated to individual sites or as a group to a hatchery (a permanent or semi-permanent fenced or caged area where many nests are re-buried as a group). As with nests left in place, relocated nests may be left without additional protection, covered with self-releasing flat screen, or covered with a self-releasing for restraining above-ground cages. Hatcheries may be self-releasing (hatchlings escape unaided) or restraining (hatchlings cannot escape unaided).

Record the number of nests by category and species. For each species, rows a+b+c+d+e+f should equal the total number of relocated nests. Please check to make sure this is the case.	*C. caretta* (Loggerhead)	*C. mydas* (Green Turtle)	*D. coriacea* (Leatherback)	*E.imbricata* (Hawksbill)	*L. kempii* (Kemp's Ridley)
TOTAL # OF NESTS *RELOCATED* (a + b + c + d + e + f)	**10**				
(a) # of Relocated Nests without Additional Protection	**10**				
(b) # of Relocated Nests with Self-Releasing Flat Screen					
(c) # of Relocated Nests with Self-Releasing Cage					
(d) # of Relocated Nests with Restraining Cage					
(e) # of Relocated Nests to Self-Releasing Hatchery					
(f) # of Relocated Nests to Restraining Hatchery					

Additional Comments for the 2012 Season

Beach Name: Amelia Island

Nesting Beach Management Information (e.g., predation, storms, poaching, etc.)	TS Beryl and TS Debby destroyed many nests. Numerous high tides also washed over nests. 19 nests were damaged by storm activity, the breakdown of island location is as follows: South end of island, SAISSA, was nourished in 2011: 10 Mid-island, has not been nourished in over 25 years: 4 North end of island, nourished 4 years ago: 5
General Nesting Data (e.g., nests, false crawls)	The south end of the island, SAISSA (South Amelia Island Shore Stabalization Association), was nourished in 2011. There were 38 documented nests on this nourished beach. There were also 33 false crawls documented. Of the 38 nests, 5 turtles had to crawl over a scarp to nest. Of the 33 false crawls, 10 were documented to have been impacted by scarp. One of those 10 was a leatherback.
Nest Success Data	
Miscellaneous Comments Regarding Data	There was a sargassum event this season. Large amounts of grass accumulated on the island over a period of about 2 weeks. The build up remained for about another week. During this time we missed 3 crawls. Three of the missed nests would have been laid during the time of the event. We also would have missed four nests had the turtles not been observed by spectators. We just didn't see the crawl because the nest was just on the edge of the grass.