



FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION FISH AND WILDLIFE RESEARCH INSTITUTE

NOTES

- 1. Please complete the following pages 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 2008. 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.

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



**FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
FISH AND WILDLIFE RESEARCH INSTITUTE
SEA TURTLE NESTING REPORT FOR 2008**

(Fill in Blue shaded areas)

1. PRINCIPAL PERMIT HOLDER INFORMATION

Principal Permit Holder: Mary Duffy		Permit Number: 088	
Organization:			
Address:			
County:	Nassau	Email Address:	
Day Telephone (include area code):		Night Telephone:	
Beach Name:	Amelia Island		
Point of Contact & Phone #		Email Address for Point of Contact: (if different from above)	

2. GENERAL SURVEY INFORMATION

Survey Boundary Information: Please describe survey boundaries geographically. If boundaries have changed, please fill in the **blue shaded** area with new boundaries. 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 State Park		
Ending Survey Boundary:	1.6 km N of Nassau River (N Bdry of Amelia Isl SP)		
Beach Length (include KM or MI):		Is beach length estimated or measured?	

Was this the **exact** same survey area as last year? **Yes / No**

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

Start Date of Survey (mm/dd):		End Date of Survey (mm/dd):	
Time of Day Surveyed: Start (include AM or PM)		Finish (include AM or PM)	
Number of Days Per Week Surveyed:			
Total # of Days Surveyed in 2008:			

If you did **not** survey seven (7) days per week, describe how nests are counted on the day(s) surveys are resumed:

Was there any variation in the number of days surveyed per week or was the entire beach surveyed the same number of times every week of the nesting season? **SAME** or **VARIABLE**

If **VARIABLE**, please explain the specific variation:

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Were all non-nesting crawls (false crawls) counted during your survey? **Yes or No**

How many people were involved in surveying your nesting beach this season?

3. NESTING BEACH MANAGEMENT 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** (i.e., self-releasing and/or restraining hatchery) with other beach relocated nests?

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:

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 documented predated nests this season:

How many MARKED nests were **negatively affected by another nesting sea turtle**?

How many MARKED nests were **negatively affected by roots** (i.e., damaged eggs, impeded hatchling emergence)?

How many MARKED nests were **negatively affected by erosion, accretion, inundation, and storm-related events**? *Note: this does not include stake removal/loss.*

Please give details:

How many MARKED nests were **taken or disturbed by humans** (Example: nest dug into, eggs removed, etc.)?

Please give details:

Were hatchling disorientation events documented this season? **Yes or No**

If YES, have all **disorientation reports** been submitted to FWC? **Yes or No**

I certify the above information to be true and accurate to the best of my knowledge.

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Principal Permit Holder (type in name)

Date



**FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
FISH AND WILDLIFE RESEARCH INSTITUTE
SEA TURTLE NESTING REPORT FOR 2008**

1. PRINCIPAL PERMIT HOLDER INFORMATION

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

2. GENERAL NESTING DATA

	<i>C. caretta</i> (Loggerhead)	<i>C. mydas</i> (Green Turtle)	<i>D. coriacea</i> (Leatherback)	<i>E. imbricata</i> (Hawksbill)	<i>L. kempii</i> (Kemp's Ridley)
Total # of Nests					
Total # of Non-Nesting Emergences (False Crawls)					
Date (mm/dd/yy) of First Documented Nest					
Date (mm/dd/yy) of Last Documented Nest					
If your Statewide totals are different from your Index totals, please state reasons why?					
Total # of Nests Prior to 15 May:					
Total # of Nests After 31 Aug:					

Comments:

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.	<i>C. caretta</i> (Loggerhead)	<i>C. mydas</i> (Green Turtle)	<i>D. coriacea</i> (Leatherback)	<i>E. imbricata</i> (Hawksbill)	<i>L. kempii</i> (Kemp's Ridley)
TOTAL # OF NESTS LEFT IN PLACE (a + b + c + d)					
(a) # of Nests left in Place without Additional Protection					
(b) # of Nests left in Place with Self-Releasing Flat Screen					
(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.	<i>C. caretta</i> (Loggerhead)	<i>C. mydas</i> (Green Turtle)	<i>D. coriacea</i> (Leatherback)	<i>E. imbricata</i> (Hawksbill)	<i>L. kempii</i> (Kemp's Ridley)
TOTAL # OF NESTS RELOCATED (a + b + c + d + e + f)					
(a) # of Relocated Nests without Additional Protection					
(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					



Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Sea Turtle Nest Success Reporting Form for 2008
Species: *Caretta caretta* (Loggerhead)

Beach Name: Amelia Island					Permit Holder: Mary Duffy					Permit #: 088	
Category	Total # of Nests	# of Nests Marked to Evaluate	# of Nests Actually Evaluated	# of Eggs in Evaluated Nests	# of Hatchlings Emerged	# of Live Hatchlings in Nest	# of Dead Hatchlings in Nest	# of Pipped Live	# of Pipped Dead	# of Unhatched Eggs	
										# of Undamaged Eggs	# of Damaged Eggs
Left in Place/No Additional Protection											
Left in Place/Self Releasing Screen											
Left in Place/Self Releasing Cage											
Left in Place/Restraining Cage											
Relocated/No Additional Protection											
Relocated/Self Releasing Screen											
Relocated/Self Releasing Cage											
Relocated/Restraining Cage											
Relocated/Self Releasing Hatchery											
Relocated/Restraining Hatchery											
Definition of Terms					Additional Information						
Relocated: Clutch was relocated from the original site of deposition. 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 eggshell but not completely free of eggshell - not a hatched egg. Damaged Eggs: Eggs damaged by predators, roots, nesting females, or during relocation.					#of Eggs in Evaluated Nests: In <i>relocated</i> nests, direct count of eggs; for nests <i>left in place</i> , a count of eggshells. # of Hatchlings Emerged: Count only those hatchlings that emerged unaided (prior to nest evaluation) # Empty Shells - (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.											



Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Sea Turtle Nest Success Reporting Form for 2008
Species: *Chelonia mydas* (Green Turtle)

Beach Name: Amelia Island					Permit Holder: Mary Duffy					Permit #: 088	
Category	Total # of Nests	# of Nests Marked to Evaluate	# of Nests Actually Evaluated	# of Eggs in Evaluated Nests	# of Hatchlings Emerged	# of Live Hatchlings in Nest	# of Dead Hatchlings in Nest	# of Pipped Live	# of Pipped Dead	# of Unhatched Eggs	
										# of Undamaged Eggs	# of Damaged Eggs
Left in Place/No Additional Protection											
Left in Place/Self Releasing Screen											
Left in Place/Self Releasing Cage											
Left in Place/Restraining Cage											
Relocated/No Additional Protection											
Relocated/Self Releasing Screen											
Relocated/Self Releasing Cage											
Relocated/Restraining Cage											
Relocated/Self Releasing Hatchery											
Relocated/Restraining Hatchery											
Definition of Terms					Additional Information						
Relocated: Clutch was relocated from the original site of deposition. 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 eggshell but not completely free of eggshell - not a hatched egg. Damaged Eggs: Eggs damaged by predators, roots, nesting females, or during relocation.					#of Eggs in Evaluated Nests: In <i>relocated</i> nests, direct count of eggs; for nests <i>left in place</i> , a count of eggshells. # of Hatchlings Emerged: Count only those hatchlings that emerged unaided (prior to nest evaluation) # Empty Shells - (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.											



Florida Fish and Wildlife Conservation Commission
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Sea Turtle Nest Success Reporting Form for 2008
Species: *Dermochelys coriacea* (Leatherback)

Beach Name: **Amelia Island** **Permit Holder:** **Mary Duffy** **Permit #:** **088**

Category	Total # of Nests	# of Nests Marked to Evaluate	# of Nests Actually Evaluated	# of Eggs in Evaluated Nests	# of Hatchlings Emerged	# of Live Hatchlings in Nest	# of Dead Hatchlings in Nest	# of Pipped Live	# of Pipped Dead	# of Unhatched Eggs	
										# of Undamaged Eggs	# of Damaged Eggs
Left in Place/No Additional Protection											
Left in Place/Self Releasing Screen											
Left in Place/Self Releasing Cage											
Left in Place/Restraining Cage											
Relocated/No Additional Protection											
Relocated/Self Releasing Screen											
Relocated/Self Releasing Cage											
Relocated/Restraining Cage											
Relocated/Self Releasing Hatchery											
Relocated/Restraining Hatchery											

Definition of Terms	Additional Information
<p>Relocated: Clutch was relocated from the original site of deposition.</p> <p>Self-Releasing: A screen, cage or hatchery through which hatchlings escape unaided.</p> <p>Restraining: A screen, cage, or hatchery that does not allow hatchlings to escape unaided.</p> <p>Hatchery: A fenced or caged area where many nests are reburied.</p> <p>Pipped: Hatchling broken through eggshell but not completely free of eggshell - not a hatched egg.</p> <p>Damaged Eggs: Eggs damaged by predators, roots, nesting females, or during relocation.</p>	<p>#of Eggs in Evaluated Nests: In <i>relocated</i> nests, direct count of eggs; for nests <i>left in place</i>, a count of eggshells.</p> <p># of Hatchlings Emerged: Count only those hatchlings that emerged unaided (prior to nest evaluation) # Empty Shells - (Live and Dead Hatchlings in Nest)</p> <p># of Unhatched Eggs: (1) undamaged and unpipped eggs; and (2) damaged eggs</p>

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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Species: *E. imbricata* (Hawksbill)

Beach Name: Amelia Island					Permit Holder: Mary Duffy					Permit #: 088	
Category	Total # of Nests	# of Nests Marked to Evaluate	# of Nests Actually Evaluated	# of Eggs in Evaluated Nests	# of Hatchlings Emerged	# of Live Hatchlings in Nest	# of Dead Hatchlings in Nest	# of Pipped Live	# of Pipped Dead	# of Unhatched Eggs	
										# of Undamaged Eggs	# of Damaged Eggs
Left in Place/No Additional Protection											
Left in Place/Self Releasing Screen											
Left in Place/Self Releasing Cage											
Left in Place/Restraining Cage											
Relocated/No Additional Protection											
Relocated/Self Releasing Screen											
Relocated/Self Releasing Cage											
Relocated/Restraining Cage											
Relocated/Self Releasing Hatchery											
Relocated/Restraining Hatchery											
Definition of Terms Relocated: Clutch was relocated from the original site of deposition. 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 eggshell but not completely free of eggshell - not a hatched egg. Damaged Eggs: Eggs damaged by predators, roots, nesting females, or during relocation.					Additional Information #of Eggs in Evaluated Nests: In <i>relocated</i> nests, direct count of eggs; for nests <i>left in place</i> , a count of eggshells. # of Hatchlings Emerged: Count only those hatchlings that emerged unaided (prior to nest evaluation) # Empty Shells - (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.											



Florida Fish and Wildlife Conservation Commission
Fish and Wildlife Research Institute
Sea Turtle Nest Success Reporting Form for 2008

Species: *Lepidochelys kempii* (Kemp's Ridley)

Beach Name: Amelia Island					Permit Holder: Mary Duffy					Permit #: 088	
Category	Total # of Nests	# of Nests Marked to Evaluate	# of Nests Actually Evaluated	# of Eggs in Evaluated Nests	# of Hatchlings Emerged	# of Live Hatchlings in Nest	# of Dead Hatchlings in Nest	# of Pipped Live	# of Pipped Dead	# of Unhatched Eggs	
										# of Undamaged Eggs	# of Damaged Eggs
Left in Place/No Additional Protection											
Left in Place/Self Releasing Screen											
Left in Place/Self Releasing Cage											
Left in Place/Restraining Cage											
Relocated/No Additional Protection											
Relocated/Self Releasing Screen											
Relocated/Self Releasing Cage											
Relocated/Restraining Cage											
Relocated/Self Releasing Hatchery											
Relocated/Restraining Hatchery											
Definition of Terms Relocated: Clutch was relocated from the original site of deposition. 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 eggshell but not completely free of eggshell - not a hatched egg. Damaged Eggs: Eggs damaged by predators, roots, nesting females, or during relocation.					Additional Information #of Eggs in Evaluated Nests: In <i>relocated</i> nests, direct count of eggs; for nests <i>left in place</i> , a count of eggshells. # of Hatchlings Emerged: Count only those hatchlings that emerged unaided (prior to nest evaluation) # Empty Shells - (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.											

Additional Comments for the 2008 Season

Nesting Beach Management Information (e.g., predation, storms, poaching, etc.)	
General Nesting Data (e.g., nests, false crawls)	
Nest Success Data	
Miscellaneous Comments Regarding Data	