



Image from USFWS

# Calculating Loggerhead Hatchling Success Rates

Answers for a 5Es Lesson by Rachel Teller

Isle of Palms & Sullivan's Island, South Carolina 2004 Nesting Season										
Nest Data				Inventory Data						
A	B	C	D	E	F	G	H	I	J	K
nest number	date laid/ morning found	date of first emergence	incubation duration (days)	no. of unhatched eggs	no. of dead hatchlings	no. of live hatchlings	no. of shells	no. of successful hatchlings	no. of eggs laid	hatchling success rate
1	6/4/04	7/25/04	51	64	0	2	52	52	116	44.8%
2	6/9/04	8/10/04	62	32	0	1	8	8	40	20.0%
3	6/18/04	8/21/04	64	77	0	9		42	119	35.3%
4	6/25/04	8/15/04	51	13	3	13	95	92	108	85.2%
5	6/26/04	8/19/04	54	9	0	3		100	109	91.7%
6	7/5/04	8/25/04	51	9	0	3		94	103	91.3%
7	7/8/04	8/29/04	52	9	0	8	108	108	117	92.3%
8	7/12/04		N/A	120	0	0	0	0	120	0.0%
9	7/19/04	9/18/04	61	18	11	6		65	94	69.1%
10	7/23/04	9/25/04	64	18	1	0		86	105	81.9%
								Overall		
in situ								260	501	51.9%
relocated								387	530	73.0%

Many thanks to Mary Pringle and the Island Turtle Team (<http://web.ccgnet.com/turtleteam/>) for collecting and sharing this data.