

Bridge Data Analysis Teaching Activity: See Turtles Nest, See Turtles Hatch

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Work Sheet

Plot #	Date laid (yr: 1999)	Natural or relocated	# of eggs	Hatch date	Incubation Period (days)	Verification date	# of unhatched eggs	# of hatched eggs	Total eggs	Hatching success rate
1	March 18	R: 27 days	105	n/a	n/a	6/3	25	80	105	76%
40	April 27	N	n/a	7/8	73	7/10	7	140	147	
28	May 9	R	148	n/a	n/a	7/24	17	127	144	
31	May 10	R	117	n/a	n/a	7/25	31	86	117	
26	May 21	R: 21 days	181	n/a	75	8/3	12	169	181	
33	May 23	R	147	7/29	68	8/1	7	142	149	
35	June 3	R	189	8/13	73	8/16	6	183	189	
38	June 5	R	137	n/a	76	8/19	21	105	126	
40	June 16	N	n/a	8/29	75	9/1	10	144	154	
37	June 21	R	125	9/1	n/a	9/3	4	121	125	
18	June 29	N	n/a	9/3	67	9/4	3	161	164	
29	July 8	N	n/a	9/29	83	10/2	10	104	114	
41	July 10	R	105	9/19	71	10/21	1	104	105	
22	July 12	N	n/a	9/17	68	10/20	9	160	169	
26	July 23	R: 18 days	121	10/4	74	10/7	7	113	120	
25	n/a	R	84	10/23	77	10/25	4	81	84	

Summary of Turtle Nesting Data

# of Natural Turtle Nests:	
# of Relocated Turtle Nests:	
Average Incubation Period:	
Total Turtle Eggs:	
Average Success Rate:	

Table Key and Explanations

- Plot # refers to the plot number of the nearest plot to the turtle nest.
- Date laid is the date when the turtle nest was either laid or discovered. The year is 1999.
- Natural or relocated: If the nests are below the high-water mark, or an exceptionally high tide is expected, a decision is made to move the turtle nest. Unless otherwise specified, all relocations are done within 48 hours of the turtle laying her eggs. If a nest is inundated by sea water the eggs will die.
- # of eggs: If a nest is relocated the eggs are counted. If the nest is not relocated the remains of the eggs are counted during verification.
- Hatch date: Although WTW monitors nests closely, it is not always possible to witness all the nests hatching, therefore some do not have a date in this column.
- Verification is carried out on all the nests reported to WTW. This involves waiting until it is certain that the turtle nest has hatched and then digging up the remains of the nest, counting all the turtle eggs found and counting the number of hatched eggs and the number of unhatched (i.e. infertile/unhatched) eggs.
- Source: *Watamu Turtle Watch. Sea Turtle Nesting Records. Watamu Marine National Park Beach, Kenya. 1999.*