

Legend for Excel Turtle Data, November, 2001.

Location- address of house or condominium name.

ID- team ID. (e.g. E12 = Team Echo, nest 12)

Species- CC= *Caretta caretta*, loggerhead; LK= *Lepidochelys kempii*, Kemp's ridley

uk= unknown

dnh= did not hatch, could not determine from embryo

n/f= nest not found

Lay Date- date nest was **laid**, night before date of marking. xx- unknown day

Hatch Dates- date first hatchling recorded emerging.

Dnh= did not hatch

Gone= nest washed away by water

Excavated- date nest was excavated.

Not found= nest was not found, so could not be excavated

N/a, or empty space= unknown date

Inubation Period= hatch date – lay date

n/a= unknown length of time

Unhatched developed= number of eggs that were unhatched embryos

Unhatched undeveloped= number of eggs that did not contain discernable embryos

Counted Escaped= number of turtles emerged from the nest counted by observers

Released= number of turtles released from nest when dug into or excavated

Hatched Dead= number of turtles that hatch from eggs but were found dead in nest

Reason= reason some hatched dead, if known

Escaped from nest= number of turtles that emerged from nest on their own

Total hatched= escaped + released+ hatched dead

Live piped= number of live piped turtles released later

Dead piped= number of turtles that were found dead and piped

Total= dead piped + live piped

Depredated= number of eggs, if known, that were destroyed by predator

Predator= predator of turtle eggs

Inundated- Indicates whether nest was inundated with water. Y= yes, N= no.

Dates Inundated- dates nest was inundated, if known. TSB= tropical storm barry, Aug. 2,3,4, 2001 storm surge.

Relocated- number of eggs relocated

Reason- reason for relocation

Total Unhatched= undeveloped + developed + depredated

Total Eggs= tot. unhatched + tot. hatched + tot. piped

Live Hatchlings= live piped + released + escaped

Survival %= live hatchlings/total eggs

Track Width- width of crawl as measured by volunteer. Converted to cm.

Track Pattern- pattern of crawl: alternate (alt.) or even.

Obstructions in path- Yes or No

Distance Dune- distance to the dune from nest when marked (m)

Distance High Water- distance to mean high tide line (m) when marked

Depth Top Clutch- depth from top of sand to top of egg chamber. (cm)

Depth Bottom Clutch- depth from top of sand to bottom of egg chamber. (cm)

Distance High Water- distance to mean high tide line (m) when nest hatched. Surge up means data was not able to be taken because the surf was abnormally high.

Distance Dune- distance to the dune from nest when hatched (m)

Time- time, if recorded, that first hatchlings emerge.

Misorientation- Whether any turtles were misoriented by artificial light or not

Disoriented- Whether turtles exhibited signs of disorientation, or not knowing which direction to go.

Source- source of artificial light which caused misorientation, if known.

Moonlight- moonlight, if known, on night of hatching. Three categories: Bright, dim, none.

General: n/a- data not recorded or not applicable

Dnh- nest did not hatch

GS- City of Gulf Shores

Class			Dates			
#	Location	ID	Species	lay date	hatch dates	excavated
1	Silver Beach	A1	CC	05/24/01	08/01/01	08/03/01
2	3141 WBB	E1	LK	05/26/01	07/27/01	07/28/01
3	Lighthouse GS	B2	uk	05/29/01	08/02/01	08/03/01
4	GSP C1	C1	dnh	05/28/01	dnh	07/25/01
5	1397	F1	uk	05/29/01	08/0x/01	08/16/01
6	1309	F2	dnh	05/30/01	dnh	08/16/01
7	GSP C2	C2	CC	06/02/01	dnh	08/17/01
8	437 S. Shores	F3	CC	06/02/01	08/03/01	08/03/01
9	507 Ocean Reef	F4	CC	06/04/01	08/11/01	08/14/01
10	2157	E2	CC	06/06/01	08/03/01	08/03/01
11	1857	E3	dnh	06/07/01	dnh	08/13/01
12	1143	F5	n/f	06/12/01	gone	not found
13	2297	E4	CC	06/12/01	dnh	08/27/01
14	2075	E5	CC	06/12/01	08/15/01	08/18/01
15	2425	E6	n/f	06/13/01	gone	not found
16	Winward Pt.	A2	n/f	06/14/01	gone	not found
17	29079	A3	dnh	06/14/01	dnh	08/30/01
18	GSP C3	C3	dnh	06/14/01	dnh	08/29/01
19	1469	F6	dnh	06/15/01	dnh	08/30/01
20	1461	unmarked	CC	06/xx/01	08/18/01	08/21/01
21	GSP- AP C4	C4	CC	06/17/01	08/21/01	08/23/01
22	AP	A4	CC	06/20/01		
23	1239	F7	CC	06/21/01	08/24/01	08/27/01
24	3225	E7	CC	06/23/01	08/25/01	08/28/01
25	2797	E8	CC	06/24/01	08/25/01	08/27/01
26	3173	E9	CC	06/25/01	08/29/01	09/05/01
27	1817	E10	dnh	06/25/01	dnh	08/30/01
28	GSP C5	C5	n/f	06/30/01	gone	not found
29	2709	E11	CC	07/01/01	09/04/01	09/07/01
30	GSP- AP C6	C6	CC	07/02/01	09/02/01	09/01/01
31	23708	R1	dnh	07/05/01	dnh	10/04/01
32	Romar 2	R2	n/f	07/07/01	dnh	not found
33	2393	E12	CC	07/05/01	09/05/01	09/07/01
34	1453	F8	n/f	07/06/01	gone	not found
35	Beach Club	G1	CC	07/07/01	09/09/01	09/13/01
36	Florabama	A5	n/f	07/11/01	gone	not found
37	Romar Towers	A6	CC	07/11/01	09/xx/01	09/24/01
38	GSP C7	C7	dnh	07/11/01	dnh	n/a
39	1973	E13	n/f	07/12/01	gone	not found
40	East Callaway	F9	n/f	07/15/01	gone	not found
41	GSP C8	C8	dnh	07/16/01	dnh	09/30/01
42	2957	E15	n/f	07/20/01	gone	not found
43	Crown Pt.	A7	CC	07/21/01	09/28/01	10/01/01
44	Royal Palms C9	C9	CC	07/22/01	09/22/01	09/22/01
45	2817	E16	CC	07/25/01	09/26/01	09/28/01
46	GSP	C10	dnh	07/27/01	dnh	10/05/01
47	1733	E17	dnh	07/26/01	dnh	10/17/01
48	Romar Bch 3	R3	CC	07/xx/01	10/01/01	10/04/01
49	2727	E18	CC	07/31/01	dnh	10/17/01
50	1631	F10	dnh	08/01/01	dnh	10/12/01
51	AP-GSP C11	C11	CC	08/05/01	10/24/01	10/24/01
52	Phoenix 7	A8	CC	08/05/01	dnh	10/17/01
53	Emerald Shores	A9	dnh	08/07/01	dnh	10/17/01

54 1581 W. Bch. F11 dnh 09/05/01 dnh

6/11 storm surge

avg. incubation p.

Legend for Excel Turtle Data, November, 2001.

Location- address of house or condominium name.

ID- team ID. (e.g. E12 = Team Echo, nest 12)

Species- CC= *Caretta caretta*, loggerhead; LK= *Lepidochelys kempii*, Kemp's ridley

uk= unknown

dnh= did not hatch, could not determine from embryo

n/f= nest not found

Lay Date- date nest was **laid**, night before date of marking. xx- unknown day

Hatch Dates- date first hatchling recorded emerging.

Dnh= did not hatch

Gone= nest washed away by water

Excavated- date nest was excavated.

Not found= nest was not found, so could not be excavated

N/a, or empty space= unknown date

Inubation Period= hatch date – lay date

n/a= unknown length of time

Unhatched developed= number of eggs that were unhatched embryos

Unhatched undeveloped= number of eggs that did not contain discernable embryos

Counted Escaped= number of turtles emerged from the nest counted by observers

Unhatched Eggs

Hatched Eggs

incubation period (d)	unhatched developed	unhatched undeveloped	counted escaped	released	hatched dead	reason	escaped from nest
69	11	2	4	25	20	water table TSB	11
62	14	66	17	10	0	n/a	17
65	0	1	n/a	0	0	n/a	77
dnh	0	61	0	0	0	water table	0
n/a	0	123	0	0	0	n/a	1
dnh	0	62	0	0	0	n/a	0
dnh	1	78	0	0	1	n/a	0
62	11	?	0	6	63	high surf TSB	
68	0	60	25	0	0	n/a	28
58	4	0	0	115	10	n/a	0
dnh	0	136	0	0	0	n/a	0
dnh			n/a	n	n	n/a	
dnh	85	8	0	0	0	n/a	0
64	1	0	135	2	0	n/a	135
dnh			0	0	0	n/a	0
dnh						n/a	
dnh	0	90	0	0	0	n/a	0
dnh	0	112	0	0	0	n/a	0
dnh	121	0	0	0	0	n/a	0
n/a	2	0	47	0	1	depredation	71
65	0	5	5	49	0	n/a	5
n/a	0	95	0	1	0	n/a	0
64	7	3	78	0	1	n/a	86
63	30	3	0	0	0	n/a	74
62	20	29	25	0	0	n/a	25
65	1	3	71	0	2	n/a	71
dnh	0	135	0	0	0	n/a	0
dnh						n/a	
65	4	52	22	5	0	n/a	29
62	5	95	0	0	0	n/a	0
dnh	43	25	0	0	0	n/a	0
dnh						n/a	
62	2	86	23	0	0	n/a	23
dnh						n/a	
64	3	1	55	5	3	n/a	81
dnh			0	0		n/a	
n/a	0	5	0	0	1	n/a	82
dnh	3	119	0	0	3	n/a	0
dnh						n/a	
dnh						n/a	
dnh	0	114	0	0	0	n/a	0
dnh						n/a	
69	10	25	0	2	0	n/a	5
62	0	11	75	0	0	n/a	75
63	7	10		5	2	n/a	99
dnh	0	117	0	0	0	n/a	0
dnh	1	43	0	0	0	n/a	0
n/a	3	7	30	2	0	n/a	81
dnh	2	107	0	0	0	n/a	0
dnh	0	49	0	0	0	n/a	0
80	2	97	0	1	0	n/a	0
dnh	57	28	0	0	0	n/a	0
dnh	0	117	0	0	0	n/a	0

dnh

64.70

Totals: 450 2180 612 228 107 Totals: 1076

Released= number of turtles released from nest when dug into or excavated
Hatched Dead= number of turtles that hatch from eggs but were found dead in nest
Reason= reason some hatched dead, if known
Escaped from nest= number of turtles that emerged from nest on their own
Total hatched= escaped + released+ hatched dead
Live piped= number of live piped turtles released later
Dead piped= number of turtles that were found dead and piped
Total= dead piped + live piped
Depredated= number of eggs, if known, that were destroyed by predator
Predator= predator of turtle eggs
Inundated- Indicates whether nest was inundated with water. Y= yes, N= no.
Dates Inundated- dates nest was inundated, if known. TSB= tropical storm barry, Aug. 2,3,4, 2001 storm surge.
Relocated- number of eggs relocated
Reason- reason for relocation

Total Un
Total Egg
Live Hatched
Survival %
Track Width
Track Path
Obstruction
Distance 1
Distance 2
Depth To
Depth Bottom
Distance 1
means date
Distance 1
Time- time
Misorientation
Disorientation
Source- source
Moonlight
none.
General: 1
E
C

Piped Eggs

In:

total hatched	live piped released	dead piped	total piped	depredated	Predator
56	0	10	10	0	n/a
27	0	2	2	0	sea oat roots
77	0	0	0	0	n/a
0	0	0	0	0	n/a
1	0	0	0	0	n/a
0	0	0	0	0	n/a
1	0	0	0	0	n/a
69	2	13	15	0	n/a
28	0	3	3	0	n/a
125	0	9	9	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
137	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
72	0	0	0	5	yes, fox/coyote
54	0	0	0	28	fox
1	0	0	0	0	n/a
87	0	1	1	0	n/a
74	0	1	1	0	n/a
25	0	1	1	0	roots
73	2	2	4	17	coyote
0	0	0	0	0	n/a
0	0	0	0	0	n/a
34	0	1	1	18	fox/coyote
0	16	0	16	0	n/a
0	0	0	0	4	sand crabs
				0	n/a
23	0	0	0	0	n/a
0	0	0	0	0	n/a
89	3	1	4	0	n/a
0	0	0	0	0	n/a
83	0	1	1	0	n/a
3	0	1	1	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
7	0	0	0	4	sand crabs
75	40	1	41	0	n/a
106	0	0	0	0	n/a
0	0	0	0	0	n/a
0	0	0	0	3	sand crabs
83	0	1	1	0	n/a
0	0	0	0	0	n/a
0	0	0	0	0	n/a
1	0	0	0	0	n/a
0	0	0	0	n/a	People
0	0	0	0	0	n/a

0				0	n/a
0					
1411	63	48	111	79	

Total Unhatched= undeveloped + developed + depredated
Total Eggs= tot. unhatched + tot. hatched + tot. piped
Live Hatchlings= live piped + released + escaped
Survival %= live hatchlings/total eggs
Track Width- width of crawl as measured by volunteer. Converted to cm.
Track Pattern- pattern of crawl: alternate (alt.) or even.
Obstructions in path- Yes or No
Distance Dune- distance to the dune from nest when marked (m)
Distance High Water- distance to mean high tide line (m) when marked
Depth Top Clutch- depth from top of sand to top of egg chamber. (cm)
Depth Bottom Clutch- depth from top of sand to bottom of egg chamber. (cm)
Distance High Water- distance to mean high tide line (m) when nest hatched. Surge up means data was not able to be taken because the surf was abnormally high.
Distance Dune- distance to the dune from nest when hatched (m)
Time- time, if recorded, that first hatchlings emerge.
Misorientation- Whether any turtles were misoriented by artificial light or not
Disoriented- Whether turtles exhibited signs of disorientation, or not knowing which direction to go.
Source- source of artificial light which caused misorientation, if known.
Moonlight- moonlight, if known, on night of hatching. Three categories: Bright, dim, none.
General: n/a- data not recorded or not applicable
Dnh- nest did not hatch
GS- City of Gulf Shores

sults to Nest		TSB- Aug-03		Totals	
inundated	dates inundated	relocated	reason	total unhatched	total eggs
Y		0		13	79
N		0		80	109
Y		0		1	78
Y	TSB	61	storm- dead already	61	61
Y	TSB	124	TSB	123	124
Y	TSB	62	TSB	62	62
Y		80	9-Aug	79	80
Y	TSB	13	TSB	11	95
Y	TSB	91	TSB	60	91
Y		0		4	138
n/a		0		136	136
n/a				0	0
n/a	n/a	0		93	93
n/a	n/a	0		1	138
Y	TSB	0		0	0
Y				0	0
N		90	beverly mistake	90	90
Y	TSB			112	112
n/a		0		121	121
n/a		0		7	79
Y	08/21/2001, TSB	0		33	87
n/a		0		95	96
Y	n/a	98	TSB	10	98
n/a		0		33	108
n/a		0		49	75
n/a	?	0		21	98
n/a	n/a	0		135	135
Y	TSB			0	0
n/a		0		74	109
Y	TSB	116	fox digging in it	100	116
Y	TSB	0		72	72
Y					
n/a		0		88	111
n/a				0	0
Y		0		4	97
Y		0		0	0
Y		0		5	89
Y	TSB			122	126
n/a				0	0
Y				0	0
Y	TSB	0		114	114
n/a				0	0
n/a	TSB	46	TSB	39	46
Y	TSB, other storms	127	late season storm	11	127
n/a		0		17	123
Y	TSB	0		117	117
Y	TSB, other storms	47	TSB, some gone	47	47
N		0		10	94
Y		0		109	109
Y		0		49	49
N		100	roots	99	100
Y		0		85	85
Y		0		117	117

N

0

0

0

Totals:	2709	4231
Averages of 43 nests:	63.0	98.4

Of 54 Nests, 43 excavated
11 washed away

Crawl Data

live hatchlings	survival %	track width (cm)	track pattern	obstructions in path	distance to dune (m)	distance to high water (m)	% up beach	depth top clutch (cm)
36	45.6%	91.44	alt	N	9.14	15.24	62.5%	n/a
27	24.8%	53.34	alt	N	0.00	30.49	100.0%	n/a
77	98.7%	n/a	n/a	N	n/a	11.28	n/a	n/a
0	0.0%	91.44	even	N	9.45	10.37	52.3%	n/a
1	0.8%	91.44	even	N	5.49	9.15	62.5%	n/a
0	0.0%	76.20	alt	N	9.45	2.44	20.5%	n/a
0	0.0%	91.44	alt	Y	3.05	22.87	88.2%	9.80
8	8.4%	83.82	alt	N	45.72	0.00	0.0%	n/a
28	30.8%	91.44	alt	N	n/a	12.50	n/a	n/a
115	83.3%	96.52	alt	Y	0.91	8.84	90.6%	17.15
0	0.0%	83.82	alt	N	1.83	18.60	91.0%	39.20
0	0.0%	101.60	alt	N	n/a	19.51	n/a	n/a
0	0.0%	91.44	alt	N	n/a	28.66	n/a	34.30
137	99.3%	91.44	alt	N	0.00	25.00	100.0%	34.30
0	0.0%	78.74	alt	Y	0.00	9.45	100.0%	26.95
0	0.0%	78.74	alt	N	n/a	15.24	n/a	n/a
0	0.0%	n/a	n/a	N	n/a	45.73	n/a	n/a
0	0.0%	104.14	alt	N	29.26	10.98	27.3%	46.55
0	0.0%	101.60	alt	N	24.08	10.06	29.5%	41.65
71	89.9%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
54	62.1%	81.28	alt	N	16.46	19.51	54.2%	29.40
1	1.0%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
86	87.8%	96.52	alt	N	25.91	6.10	19.1%	n/a
74	68.5%	n/a	n/a	n/a	n/a	n/a	n/a	31.85
25	33.3%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
73	74.5%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0	0.0%	n/a	n/a	n/a	n/a	n/a	n/a	58.80
0	0.0%	71.12	alt	N	25.60	3.66	12.5%	29.40
34	31.2%	114.30	alt	Y	24.08	9.45	28.2%	51.45
16	13.8%	91.44	alt	n/a	n/a	11.59	n/a	n/a
0	0.0%	n/a	n/a	N	14.63	27.44	n/a	46.55
	0.0%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
23	20.7%	n/a	n/a	n/a	n/a	n/a	n/a	26.95
0	0.0%	73.66	alt	N	51.51	18.60	n/a	n/a
89	91.8%	114.30	alt	Y	n/a	28.96	n/a	25.73
0	0.0%	78.74	alt	N	8.23	12.50	60.3%	n/a
82	92.1%	n/a	n/a	n/a	n/a	n/a	n/a	17.15
0	0.0%	106.68	even	N	24.08	17.99	42.8%	n/a
0	0.0%	101.60	alt	N	6.10	0.00	0.0%	n/a
0	0.0%	76.20	alt	N	n/a	n/a	n/a	n/a
0	0.0%	60.96	alt	N	0.00	15.55	100.0%	n/a
0	0.0%	73.66	alt	N	7.62	8.84	53.7%	24.50
7	15.2%	n/a	n/a	n/a	0.00	4.68	n/a	n/a
115	90.6%	101.60	alt	N	73.15	9.15	11.1%	29.40
104	84.6%	n/a	n/a	n/a	0.00	n/a	n/a	n/a
0	0.0%	91.44	alt	N	18.29	18.90	50.8%	n/a
0	0.0%	n/a	n/a	N	36.58	9.76	n/a	9.80
83	88.3%	n/a	n/a	n/a	0.00	n/a	n/a	44.10
0	0.0%	n/a	n/a	n/a	0.00	n/a	n/a	46.55
0	0.0%	71.12	n/a	N	3.96	8.23	67.5%	n/a
1	1.0%	76.20	n/a	N	n/a	11.59	n/a	n/a
0	0.0%	n/a	n/a	n/a	n/a	n/a	n/a	9.80
0	0.0%	101.60	even	N	n/a	34.15	n/a	34.30

0.0% n/a alt N n/a n/a n/a n/a

1367 32.3%
31.8

Emergence Data

depth bottom clutch (cm)	distance high water (m)	distance (dune (m)	time	misorientatic	disorientatio	source	moonlight
n/a	surge up	n/a	3 a.m.	N	Y	n/a	bright
n/a	30.77	0.91	7am	N	Y	trench?	n/a
n/a	3.69	n/a	pm	n/a	n/a	GS, condos	bright
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
44.10	23.08	3.05	dnh	dnh	dnh	dnh	dnh
n/a	0.00	45.73	9am	N	N	n/a	n/a
n/a	n/a	n/a	n/a	Y	Y	ocean village, GS	none
34.30	0.00	9.15	11am	N	N	n/a	n/a
88.20	n/a	n/a	dnh	dnh	n/a	dnh	n/a
n/a	n/a	n/a	dnh	dnh	n/a	dnh	n/a
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	0.00	day	n/a	n/a	n/a	n/a
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
61.25	n/a	n/a	dnh	dnh	dnh	dnh	dnh
71.05	28.31	21.95	dnh	dnh	dnh	dnh	dnh
53.90	n/a	n/a	night	n/a	n/a	n/a	n/a
46.55	20.92	16.46	night	Y	N	GS	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	3am&7pm	N	N	n/a	n/a
51.45	12.92	0.00	12:30am	N	N	n/a	n/a
n/a	n/a	0.00	night	N	N	n/a	n/a
n/a	n/a	n/a	8pm	Y	Y	GS	bright
73.50	9.54	23.48	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
66.15	20.62	5.79	4am	N	Y	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
58.80	23.08	14.63	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
44.10	17.54	5.49	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
56.35	surge up	22.87	1:30am	Y	N	Beach Club	dim
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
56.35	7.69	0.00	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	7.69	0.00	n/a	n/a	n/a	n/a	n/a
49.00	18.46	60.98	n/a	Y	N	Royal Palms	dim
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
56.35	61.54	0.00	n/a	Y	N	Romar lights?	n/a
53.90	35.08	0.00	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	dnh	dnh	dnh	dnh	dnh
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
51.45	22.46	76.22	dnh	dnh	dnh	dnh	dnh
58.80	11.08	43.90	dnh	dnh	dnh	dnh	dnh

n/a

n/a

n/a

dnh

dnh

dnh

dnh

dnh

trench
yes, but let some go on own.
yes
no, escaped without us knowing
dnh
no
dnh
dnh
no- close to water
yes
no- release from nest
dnh
dnh
dnh
yes
dnh
dnh
dnh
dnh
dnh
dnh
no
yes
yes
yes
yes. No one witnessed- tracks to water
yes.
yes.
dnh
dnh
yes
n/a
dnh
dnh
yes
dnh
yes, but turtles didn't go in it.
dnh
no
n/a
dnh
dnh
dnh
dnh
no
yes
yes
dnh
dnh
no
dnh
dnh
no
dnh
dnh

dnh

1

Class

Dates

#	Location	ID	Species	lay date	hatch dates	excavated	incubation period (d)
1	Silver Beach	A1	CC	05/24/01	08/01/01	08/03/01	69
2	3141 WBB	E1	LK	05/26/01	07/27/01	07/28/01	62
3	Lighthouse GS	B2	uk	05/29/01	08/02/01	08/03/01	65
4	GSP C1	C1	dnh	05/28/01	dnh	07/25/01	dnh
5	1397	F1	uk	05/29/01	08/0x/01	08/16/01	n/a
6	1309	F2	dnh	05/30/01	dnh	08/16/01	dnh
7	GSP C2	C2	CC	06/02/01	dnh	08/17/01	dnh
8	437 S. Shores	F3	CC	06/02/01	08/03/01	08/03/01	62
9	507 Ocean Reef	F4	CC	06/04/01	08/11/01	08/14/01	68
10	2157	E2	CC	06/06/01	08/03/01	08/03/01	58
11	1857	E3	dnh	06/07/01	dnh	08/13/01	dnh
12	1143	F5	n/f	06/12/01	gone	not found	dnh
13	2297	E4	CC	06/12/01	dnh	08/27/01	dnh
14	2075	E5	CC	06/12/01	08/15/01	08/18/01	64
15	2425	E6	n/f	06/13/01	gone	not found	dnh
16	Winward Pt.	A2	n/f	06/14/01	gone	not found	dnh
17	29079	A3	dnh	06/14/01	dnh	08/30/01	dnh
18	GSP C3	C3	dnh	06/14/01	dnh	08/29/01	dnh
19	1469	F6	dnh	06/15/01	dnh	08/30/01	dnh
20	1461	unmarked	CC	06/xx/01	08/18/01	08/21/01	n/a
21	GSP- AP C4	C4	CC	06/17/01	08/21/01	08/23/01	65
22	AP	A4	CC	06/20/01			n/a
23	1239	F7	CC	06/21/01	08/24/01	08/27/01	64
24	3225	E7	CC	06/23/01	08/25/01	08/28/01	63
25	2797	E8	CC	06/24/01	08/25/01	08/27/01	62
26	3173	E9	CC	06/25/01	08/29/01	09/05/01	65
27	1817	E10	dnh	06/25/01	dnh	08/30/01	dnh
28	GSP C5	C5	n/f	06/30/01	gone	not found	dnh
29	2709	E11	CC	07/01/01	09/04/01	09/07/01	65
30	GSP- AP C6	C6	CC	07/02/01	09/02/01	09/01/01	62
31	23708	R1	dnh	07/05/01	dnh	10/04/01	dnh
32	Romar 2	R2	n/f	07/07/01	dnh	not found	dnh
33	2393	E12	CC	07/05/01	09/05/01	09/07/01	62
34	1453	F8	n/f	07/06/01	gone	not found	dnh
35	Beach Club	G1	CC	07/07/01	09/09/01	09/13/01	64
36	Florabama	A5	n/f	07/11/01	gone	not found	dnh
37	Romar Towers	A6	CC	07/11/01	09/xx/01	09/24/01	n/a
38	GSP C7	C7	dnh	07/11/01	dnh	n/a	dnh

#	Location	ID	Species	lay date	hatch dates	excavated	incubation period (d)
39	1973	E13	n/f	07/12/01	gone	not found	dnh
40	East Callaway	F9	n/f	07/15/01	gone	not found	dnh
41	GSP C8	C8	dnh	07/16/01	dnh	09/30/01	dnh
42	2957	E15	n/f	07/20/01	gone	not found	dnh
43	Crown Pt.	A7	CC	07/21/01	09/28/01	10/01/01	69
44	Royal Palms C9	C9	CC	07/22/01	09/22/01	09/22/01	62
45	2817	E16	CC	07/25/01	09/26/01	09/28/01	63
46	GSP	C10	dnh	07/27/01	dnh	10/05/01	dnh
47	1733	E17	dnh	07/26/01	dnh	10/17/01	dnh
48	Romar Bch 3	R3	CC	07/xx/01	10/01/01	10/04/01	n/a
49	2727	E18	CC	07/31/01	dnh	10/17/01	dnh
50	1631	F10	dnh	08/01/01	dnh	10/12/01	dnh
51	AP-GSP C11	C11	CC	08/05/01	10/24/01	10/24/01	80
52	Phoenix 7	A8	CC	08/05/01	dnh	10/17/01	dnh
53	Emerald Shores	A9	dnh	08/07/01	dnh	10/17/01	dnh
54	1581 W. Bch.	F11	dnh	09/05/01	dnh		dnh
			6/11 storm surge			avg. incubation p.	64.70
						Totals:	

Legend for Excel Turtle Data, November, 2001.

Location- address of house or condominium name.

ID- team ID. (e.g. E12 = Team Echo, nest 12)

Species- CC= *Caretta caretta*, loggerhead; LK= *Lepidochelys kempii*, Kemp's ridley
 uk= unknown
 dnh= did not hatch, could not determine from embryo
 n/f= nest not found

Lay Date- date nest was **laid**, night before date of marking. xx- unknown day

Hatch Dates- date first hatchling recorded emerging.

Dnh= did not hatch

Gone= nest washed away by water

Excavated- date nest was excavated.

Not found= nest was not found, so could not be excavated

N/a, or empty space= unknown date

Inubation Period= hatch date – lay date

n/a= unknown length of time

2 Unhatched Eggs

Hatched Eggs

Unhatched Eggs				Hatched Eggs			
unhatched developed	unhatched undeveloped	counted escaped	released	hatched dead	reason	escaped from nest	total hatched
11	2	4	25	20	water table TSB	11	56
14	66	17	10	0	n/a	17	27
0	1	n/a	0	0	n/a	77	77
0	61	0	0	0	water table	0	0
0	123	0	0	0	n/a	1	1
0	62	0	0	0	n/a	0	0
1	78	0	0	1	n/a	0	1
11	?	0	6	63	high surf TSB		69
0	60	25	0	0	n/a	28	28
4	0	0	115	10	n/a	0	125
0	136	0	0	0	n/a	0	0
		n/a	n	n	n/a		0
85	8	0	0	0	n/a	0	0
1	0	135	2	0	n/a	135	137
		0	0	0	n/a	0	0
					n/a		0
0	90	0	0	0	n/a	0	0
0	112	0	0	0	n/a	0	0
121	0	0	0	0	n/a	0	0
2	0	47	0	1	depredation	71	72
0	5	5	49	0	n/a	5	54
0	95	0	1	0	n/a	0	1
7	3	78	0	1	n/a	86	87
30	3	0	0	0	n/a	74	74
20	29	25	0	0	n/a	25	25
1	3	71	0	2	n/a	71	73
0	135	0	0	0	n/a	0	0
					n/a		0
4	52	22	5	0	n/a	29	34
5	95	0	0	0	n/a	0	0
43	25	0	0	0	n/a	0	0
					n/a		
2	86	23	0	0	n/a	23	23
					n/a		0
3	1	55	5	3	n/a	81	89
		0	0		n/a		0
0	5	0	0	1	n/a	82	83
3	119	0	0	3	n/a	0	3

unhatched developed	unhatched undeveloped	counted escaped	released	hatched dead	reason	escaped from nest	total hatched
					n/a		0
0	114	0	0	0	n/a	0	0
					n/a		0
10	25	0	2	0	n/a	5	7
0	11	75	0	0	n/a	75	75
7	10		5	2	n/a	99	106
0	117	0	0	0	n/a	0	0
1	43	0	0	0	n/a	0	0
3	7	30	2	0	n/a	81	83
2	107	0	0	0	n/a	0	0
0	49	0	0	0	n/a	0	0
2	97	0	1	0	n/a	0	1
57	28	0	0	0	n/a	0	0
0	117	0	0	0	n/a	0	0
							0
							0
450	2180	612	228	107	Totals:	1076	1411

Unhatched developed= number of eggs that were unhatched embryos
Unhatched undeveloped= number of eggs that did not contain discernable embryos
Counted Escaped= number of turtles emerged from the nest counted by observers
Released= number of turtles released from nest when dug into or excavated
Hatched Dead= number of turtles that hatch from eggs but were found dead in nest
Reason= reason some hatched dead, if known
Escaped from nest= number of turtles that emerged from nest on their own
Total hatched= escaped + released+ hatched dead

3 Piped Eggs

					Insults to Nest
live piped released	dead piped	total piped	depredated	Predator	inundated
0	10	10	0	n/a	Y
0	2	2	0	sea oat roots	N
0	0	0	0	n/a	Y
0	0	0	0	n/a	Y
0	0	0	0	n/a	Y
0	0	0	0	n/a	Y
0	0	0	0	n/a	Y
2	13	15	0	n/a	Y
0	3	3	0	n/a	Y
0	9	9	0	n/a	Y
0	0	0	0	n/a	n/a
		0	0	n/a	n/a
0	0	0	0	n/a	n/a
0	0	0	0	n/a	n/a
0	0	0	0	n/a	Y
		0	0	n/a	Y
0	0	0	0	n/a	N
0	0	0	0	n/a	Y
0	0	0	0	n/a	n/a
0	0	0	5	yes, fox/coyote	n/a
0	0	0	28	fox	Y
0	0	0	0	n/a	n/a
0	1	1	0	n/a	Y
0	1	1	0	n/a	n/a
0	1	1	0	roots	n/a
2	2	4	17	coyote	n/a
0	0	0	0	n/a	n/a
		0	0	n/a	Y
0	1	1	18	fox/coyote	n/a
16	0	16	0	n/a	Y
0	0	0	4	sand crabs	Y
			0	n/a	Y
0	0	0	0	n/a	n/a
		0	0	n/a	n/a
3	1	4	0	n/a	Y
0		0	0	n/a	Y
0	1	1	0	n/a	Y
0	1	1	0	n/a	Y

live piped released	dead piped	total piped	depredated	Predator	inundated
		0	0	n/a	n/a
		0	0	n/a	Y
0	0	0	0	n/a	Y
		0	0	n/a	n/a
0	0	0	4	sand crabs	n/a
40	1	41	0	n/a	Y
0	0	0	0	n/a	n/a
0	0	0	0	n/a	Y
0	0	0	3	sand crabs	Y
0	1	1	0	n/a	N
0	0	0	0	n/a	Y
0	0	0	0	n/a	Y
0	0	0	0	n/a	N
0	0	0	n/a	People	Y
0	0	0	0	n/a	Y
			0	n/a	N
63	48	111	79		

Live piped= number of live piped turtles released later
Dead piped= number of turtles that were found dead and piped
Total= dead piped + live piped
Depredated= number of eggs, if known, that were destroyed by predator
Predator= predator of turtle eggs
Inundated- Indicates whether nest was inundated with water. Y= yes, N= no.

	TSB- Aug-03		Totals			
dates inundated	relocated	reason	total unhatched	total eggs	live hatchlings	survival %
	0		13	79	36	45.6%
	0		80	109	27	24.8%
	0		1	78	77	98.7%
TSB	61	storm- dead already	61	61	0	0.0%
TSB	124	TSB	123	124	1	0.8%
TSB	62	TSB	62	62	0	0.0%
	80	9-Aug	79	80	0	0.0%
TSB	13	TSB	11	95	8	8.4%
TSB	91	TSB	60	91	28	30.8%
	0		4	138	115	83.3%
	0		136	136	0	0.0%
			0	0	0	0.0%
n/a	0		93	93	0	0.0%
n/a	0		1	138	137	99.3%
TSB	0		0	0	0	0.0%
			0	0	0	0.0%
	90	beverly mistake	90	90	0	0.0%
TSB			112	112	0	0.0%
	0		121	121	0	0.0%
	0		7	79	71	89.9%
08/21/2001, TSB	0		33	87	54	62.1%
	0		95	96	1	1.0%
n/a	98	TSB	10	98	86	87.8%
	0		33	108	74	68.5%
	0		49	75	25	33.3%
?	0		21	98	73	74.5%
n/a	0		135	135	0	0.0%
TSB			0	0	0	0.0%
	0		74	109	34	31.2%
TSB	116	fox digging in it	100	116	16	13.8%
TSB	0		72	72	0	0.0%
						0.0%
	0		88	111	23	20.7%
			0	0	0	0.0%
	0		4	97	89	91.8%
	0		0	0	0	0.0%
	0		5	89	82	92.1%
TSB			122	126	0	0.0%

dates inundated	relocated	reason	total unhatched	total eggs	live hatchlings	survival %
			0	0	0	0.0%
			0	0	0	0.0%
TSB	0		114	114	0	0.0%
			0	0	0	0.0%
TSB	46	TSB	39	46	7	15.2%
TSB, other storms	127	late season storm	11	127	115	90.6%
	0		17	123	104	84.6%
TSB	0		117	117	0	0.0%
TSB, other storms	47	TSB, some gone	47	47	0	0.0%
	0		10	94	83	88.3%
	0		109	109	0	0.0%
	0		49	49	0	0.0%
	100	roots	99	100	1	1.0%
	0		85	85	0	0.0%
	0		117	117	0	0.0%
	0		0	0		0.0%
		Totals:	2709	4231	1367	32.3%
		Averages of 43 nests:	63.0	98.4	31.8	

Of 54 Nests, 43 excavated
11 washed away

Dates Inundated- dates nest was inundated, if known. TSB= tropical storm barry, Aug. 2,3,4, 2001 storm surge.
Relocated- number of eggs relocated
Reason- reason for relocation
Total Unhatched= undeveloped + developed + depredated
Total Eggs= tot. unhatched + tot. hatched + tot. piped
Live Hatchlings= live piped + released + escaped
Survival %= live hatchlings/total eggs

5

Crawl Data			Emergence Data					
track width (cm)	track pattern	obstructions in path	distance to dune (m)	distance to high water (m)	% up beach	depth top clutch (cm)	depth bottom clutch (cm)	distance high water (m)
91.44	alt	N	9.14	15.24	62.5%	n/a	n/a	surge up
53.34	alt	N	0.00	30.49	100.0%	n/a	n/a	30.77
n/a	n/a	N	n/a	11.28	n/a	n/a	n/a	3.69
91.44	even	N	9.45	10.37	52.3%	n/a	n/a	n/a
91.44	even	N	5.49	9.15	62.5%	n/a	n/a	n/a
76.20	alt	N	9.45	2.44	20.5%	n/a	n/a	n/a
91.44	alt	Y	3.05	22.87	88.2%	9.80	44.10	23.08
83.82	alt	N	45.72	0.00	0.0%	n/a	n/a	0.00
91.44	alt	N	n/a	12.50	n/a	n/a	n/a	n/a
96.52	alt	Y	0.91	8.84	90.6%	17.15	34.30	0.00
83.82	alt	N	1.83	18.60	91.0%	39.20	88.20	n/a
101.60	alt	N	n/a	19.51	n/a	n/a	n/a	n/a
91.44	alt	N	n/a	28.66	n/a	34.30	n/a	n/a
91.44	alt	N	0.00	25.00	100.0%	34.30	n/a	n/a
78.74	alt	Y	0.00	9.45	100.0%	26.95	n/a	n/a
78.74	alt	N	n/a	15.24	n/a	n/a	n/a	n/a
n/a	n/a	N	n/a	45.73	n/a	n/a	n/a	n/a
104.14	alt	N	29.26	10.98	27.3%	46.55	61.25	n/a
101.60	alt	N	24.08	10.06	29.5%	41.65	71.05	28.31
n/a	n/a	n/a	n/a	n/a	n/a	n/a	53.90	n/a
81.28	alt	N	16.46	19.51	54.2%	29.40	46.55	20.92
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
96.52	alt	N	25.91	6.10	19.1%	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	31.85	51.45	12.92
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	58.80	73.50	9.54
71.12	alt	N	25.60	3.66	12.5%	29.40	n/a	n/a
114.30	alt	Y	24.08	9.45	28.2%	51.45	66.15	20.62
91.44	alt	n/a	n/a	11.59	n/a	n/a	n/a	n/a
n/a	n/a	N	14.63	27.44	n/a	46.55	58.80	23.08
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	26.95	44.10	17.54
73.66	alt	N	51.51	18.60	n/a	n/a	n/a	n/a
114.30	alt	Y	n/a	28.96	n/a	25.73	56.35	surge up
78.74	alt	N	8.23	12.50	60.3%	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	17.15	56.35	7.69
106.68	even	N	24.08	17.99	42.8%	n/a	n/a	n/a

track width (cm)	track pattern	obstructions in path	distance to dune (m)	distance to high water (m)	% up beach	depth top clutch (cm)	depth bottom clutch (cm)	distance high water (r
101.60	alt	N	6.10	0.00	0.0%	n/a	n/a	n/a
76.20	alt	N	n/a	n/a	n/a	n/a	n/a	n/a
60.96	alt	N	0.00	15.55	100.0%	n/a	n/a	n/a
73.66	alt	N	7.62	8.84	53.7%	24.50	n/a	n/a
n/a	n/a	n/a	0.00	4.68	n/a	n/a	n/a	7.69
101.60	alt	N	73.15	9.15	11.1%	29.40	49.00	18.46
n/a	n/a	n/a	0.00	n/a	n/a	n/a	n/a	n/a
91.44	alt	N	18.29	18.90	50.8%	n/a	n/a	n/a
n/a	n/a	N	36.58	9.76	n/a	9.80	n/a	n/a
n/a	n/a	n/a	0.00	n/a	n/a	44.10	56.35	61.54
n/a	n/a	n/a	0.00	n/a	n/a	46.55	53.90	35.08
71.12	n/a	N	3.96	8.23	67.5%	n/a	n/a	n/a
76.20	n/a	N	n/a	11.59	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	9.80	51.45	22.46
101.60	even	N	n/a	34.15	n/a	34.30	58.80	11.08
n/a	alt	N	n/a	n/a	n/a	n/a	n/a	n/a

Track Width- width of crawl as measured by volunteer. Converted to cm.
Track Pattern- pattern of crawl: alternate (alt.) or even.
Obstructions in path- Yes or No
Distance Dune- distance to the dune from nest when marked (m)
Distance High Water- distance to mean high tide line (m) when marked
Depth Top Clutch- depth from top of sand to top of egg chamber. (cm)

6

distance dune (m)	time	misorientatic	disorientatio	source
n/a	3 a.m.	N	Y	n/a
0.91	7am	N	Y	trench?
n/a	pm	n/a	n/a	GS, condos
n/a	dnh	dnh	dnh	dnh
n/a	n/a	n/a	n/a	n/a
n/a	dnh	dnh	dnh	dnh
3.05	dnh	dnh	dnh	dnh
45.73	9am	N	N	n/a
n/a	n/a	Y	Y	ocean village, GS
9.15	11am	N	N	n/a
n/a	dnh	dnh	n/a	dnh
n/a	dnh	dnh	n/a	dnh
n/a	dnh	dnh	dnh	dnh
0.00	day	n/a	n/a	n/a
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
21.95	dnh	dnh	dnh	dnh
n/a	night	n/a	n/a	n/a
16.46	night	Y	N	GS
n/a	n/a	n/a	n/a	n/a
n/a	3am&7pm	N	N	n/a
0.00	12:30am	N	N	n/a
0.00	night	N	N	n/a
n/a	8pm	Y	Y	GS
23.48	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
5.79	4am	N	Y	n/a
n/a	n/a	n/a	n/a	n/a
14.63	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
5.49	n/a	n/a	n/a	n/a
n/a	dnh	dnh	dnh	dnh
22.87	1:30am	Y	N	Beach Club
n/a	dnh	dnh	dnh	dnh
0.00	n/a	n/a	n/a	n/a
n/a	dnh	dnh	dnh	dnh

distance dune (m)	time	misorientatic	disorientation	source
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
0.00	n/a	n/a	n/a	n/a
60.98	n/a	Y	N	Royal Palms
n/a	n/a	n/a	n/a	n/a
n/a	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
0.00	n/a	Y	N	Romar lights?
0.00	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh
n/a	n/a	n/a	n/a	n/a
76.22	dnh	dnh	dnh	dnh
43.90	dnh	dnh	dnh	dnh
n/a	dnh	dnh	dnh	dnh

Detph Bottom Clutch- depth from top of sand to bottom of egg chamber. (cm)
Distance High Water- distance to mean high tide line (m) when nest hatched. Surge up means data was not able to be taken because the surf was abnormally high.
Distance Dune- distance to the dune from nest when hatched (m)
Time- time, if recorded, that first hatchlings emerge.
Misorientation- Whether any turtles were misoriented by artificial light or not
Disoriented- Whether turtles exhibited signs of disorientation, or not knowing which direction to go.
Source- source of artificial light which caused misorientation, if known.
General: n/a- data not recorded or not applicable
Dnh- nest did not hatch
GS- City of Gulf Shores