

Molokai 2013 Green Sea Turtle Nesting Survey

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2013 Green Sea Turtle Nesting Survey Kawa'aloa Bay, Moloka'i

This survey was done by a group of volunteers on behalf of Nature Conservancy of Hawaii Molokai, under direction of George Balazs of the National Marine Fisheries Service in Honolulu. The 2013 Green Sea Turtle Nesting Survey was carried out from April 9 until October 30. Volunteers checked the beach in the morning up to 7 days a week, depending on expected activity.

April 9 all location markers were refreshed. The procedures for identifying and recording the excavations are those that were used in 2012. Recording & identifying the last excavation of each nesting trip on shore was done by using landmarks and measurements, gps waypoints and a stake marking the center of the body pit.

There were 66 trips on shore, 45 false crawls and 21 that produced excavations. Of the 21 nesting trips, 7 hatches were observed. These nests were dug up at least 3 days after the last hatchling had been observed to emerge.

The contents of these nests were as follows:

	Nest	Successful Hatches	Undeveloped	Dead	Live	Total Eggs Laid
Hatch 1	5	47	6	1	1	54
Hatch 2	9	70	2	15	18	87
Hatch 3	13	82	3			85
Hatch 4	17	86	1	2		89
Hatch 5	19	83	4	1		88
Hatch 6	20	93	3		2	96
Hatch 7	21	89	4	4		97
		550	23	23	21	596

The 21 live hatchlings found in Nests 5, 9, and 20 were released to the ocean.

The 23 undeveloped eggs and the 23 dead hatchlings recovered from the nests were frozen and sent to George Balazs November 4.

9 of the 45 false crawls crawled high up onto the beach and 36 stayed below the high tide line. The 36 that were below the high tide line were found at the western end of the beach.

Nesting was concentrated in the central area east of the river – between markers F and N

No monk seal activity was observed.

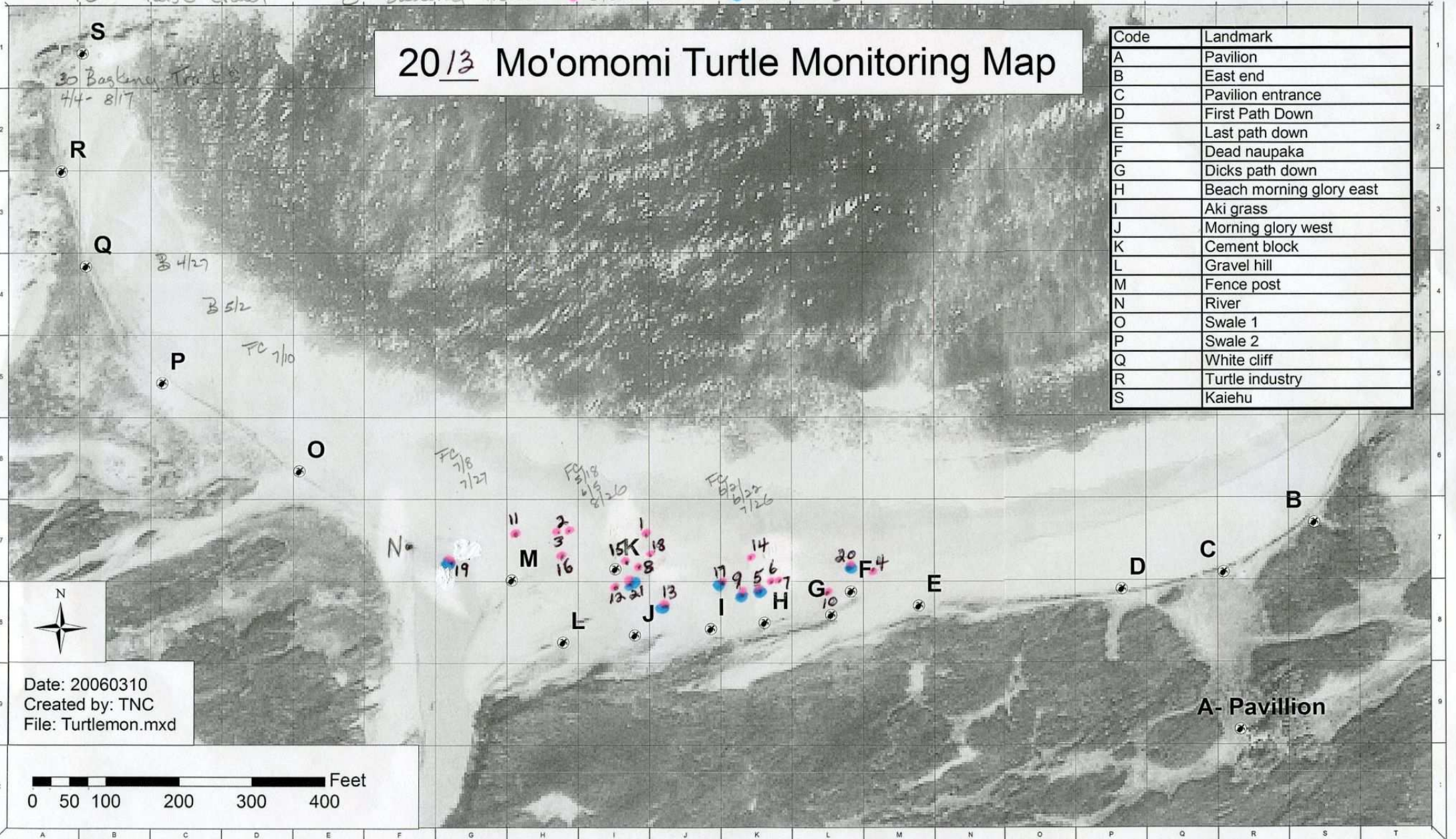
No green sea turtle nesting activity was found on the beaches to the West of Kawa'aloa

Submitted by:
Lil Macmillan

FC - false crawl B - Basking track ● Excavations ● Hatches

2013 Mo'omomi Turtle Monitoring Map

Code	Landmark
A	Pavilion
B	East end
C	Pavilion entrance
D	First Path Down
E	Last path down
F	Dead naupaka
G	Dicks path down
H	Beach morning glory east
I	Aki grass
J	Morning glory west
K	Cement block
L	Gravel hill
M	Fence post
N	River
O	Swale 1
P	Swale 2
Q	White cliff
R	Turtle industry
S	Kaiehu



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A B C D E F G H I J K L M N O P Q R S T

