

2015 Green Sea Turtle Nesting Activity at Kawa'aloa Beach Molokai

- 'A' – False Crawl or basking– no excavations
- Letters A – S are landmarks from monitoring map
- Location noted is for last excavation dug
- **Hatched**

5/11 #1 - 4 exc, 50 ft NW of R

5/12 #2 - 3 exc, 50 ft W of C

5/24 - A1 - basking track at S

5/27 - A2 - basking turtle – S

5/28 #3 - 1 exc, 35 ft SE of C

5/28 #4 - 3 exc, 15 ft NE of D

5/29 - A3 - long track between Q & R

5/29 - A4 - track to base of dune between D & E

5/30 #5 - 1 exc, 52 ft N of H

6/8 - A5 - basking track at S

6/8 - A6 - basking track at S

6/8 - A7 - basking track at S

6/13 #6 - 1 exc, 60 ft NE of M

6/14 - A8 - basking track at S

6/14 - A9 - basking track at S

6/27 - A10 - long track at N

6/28 - A11 - basking track S

7/5 #7 - 1 exc, between D & E in side of dune

7/5 - A12 - basking track S

7/6 #8 - 2 exc, in base of dune – between D & E beside #7

7/7 #9 - 2 exc, base of dune at C

7/9 - A13 - basking track at S

7/12 - A14 - long track between E & H

7/13 - A15 - basking track at S

7/14 - A16 - basking track at S

7/14 - A17 - basking track at S

7/14 - A18 - basking track at S

7/15 - A19 - basking track at S

7/15 - A20 - basking track at S

7/15 - A21 - basking track at S

7/16 – Hatch #1 – Nesting Trip #2

- 7/22 - dug nest – 76 empty shells, 1 live

7/22 - A22 - basking track at S

- 7/24 - A23 – basking track at S
- 7/24 - A24 – basking track at S
- 7/24 - A25 – basking track at S
- 7/25 - A26 – basking track at S
- 7/26 - A27 – basking track at S
- 7/27 - A28 – long false crawl between F & H

7/28 - Hatch #2 – Nesting Trip #3

Unable to find exit area – in Kiawe thicket - did not dig

- 7/31 - A29 – basking track at S

8/3 – Hatch #3 – Nesting Trip #5

8/6 – 5 tracks out

8/7 – approx 12 new tracks out

8/10 – 6 tracks out

8/11 – 3 tracks out

8/11 – dug nest – 75 empty shells, 1 undeveloped, 3 dead, 23 live

- 8/13 - A30 – basking track at S

8/16 – Hatch #4 – Nesting Trip #6

8/17 – 1 track out

8/21 – dug nest – 64 empty shells, 4 undeveloped, 1 live

- 8/22 - A31 – basking track at S
- 8/22 - A32 – basking track at S
- 8/29 - A33 - basking track at S
- 8/29 - A34 - basking track at S
- 8/29 - A35 - basking track at S

2015 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 2015 Green Sea Turtle Nesting Survey was carried out from May 4 until October 13. Volunteers checked the beach in the morning up to 7 days a week, depending on expected activity, weather, and road conditions.

May 4 all location markers were refreshed. The procedures for identifying and recording the last excavation of each nesting trip on shore was done by using landmarks and measurements to a stake marking the center of the body pit.

There were 44 trips on shore, 35 false crawls and 9 that produced excavations. Of the 9 nesting trips, 4 hatches were observed. After at least 3 days after the last hatchling had been observed to emerge 3 of these nests were dug up.

The contents of these nests were as follows:

	Nest	Successful Hatches	Undeveloped	Dead	Live	Total Eggs Laid
Hatch 1	2	76	0	0	1	76
Hatch 2	3		0	0	0	0
Hatch 3	5	72	1	3	23	76
Hatch 4	6	64	4	0	1	68
		212	5	3	25	220

The 25 live hatchlings found in Nests 2, 5, and 6 were released to the ocean.

The undeveloped eggs and the dead hatchlings recovered from the nests were frozen and were given to George Balazs October 30.

5 of the 35 false crawls crawled high up onto the beach and 30 stayed below the high tide line. The 30 that were below the high tide line were found at the western end of the beach.

Nesting activity was not concentrated in any one area of the beach.

A dead turtle was found washed up on Kawa'aloa beach April 24. Measurements and tissue samples were taken, the remains were buried.

Green sea turtle nesting activity was also found on the Beaches to the West of Kawa'aloa in two locations.

East of Kalani Point at the base of the trail down from the archeological site

West of Kalani Point approximately half way along the beach to the cliffs at the West end of the Preserve.

These areas were not monitored on a regular schedule.

There were 9 nesting trips recorded, 3 West of Kalani Point and 6 East of Kalani Point. Of these, 4 hatches were observed in the area East of Kalani Point, none were observed to the West.

These nests were dug and the contents were as follows:

	Nest	Successful Hatches	Undeveloped	Dead	Live	Total Eggs Laid
Hatch 1	E71415	68	3	0	0	71
Hatch 2	E70215	71	1	1	0	73
Hatch 3	E73015	75	1			76
Hatch 4	E81115	75	3			8
		289	8	1	0	298

The 8 undeveloped eggs and the 1 dead hatchling, were frozen and given to George Balazs October 30.

1 nesting trip was reported at Papohaku Beach in the same area as in 2008, 2011 & 2014
No hatch was observed.

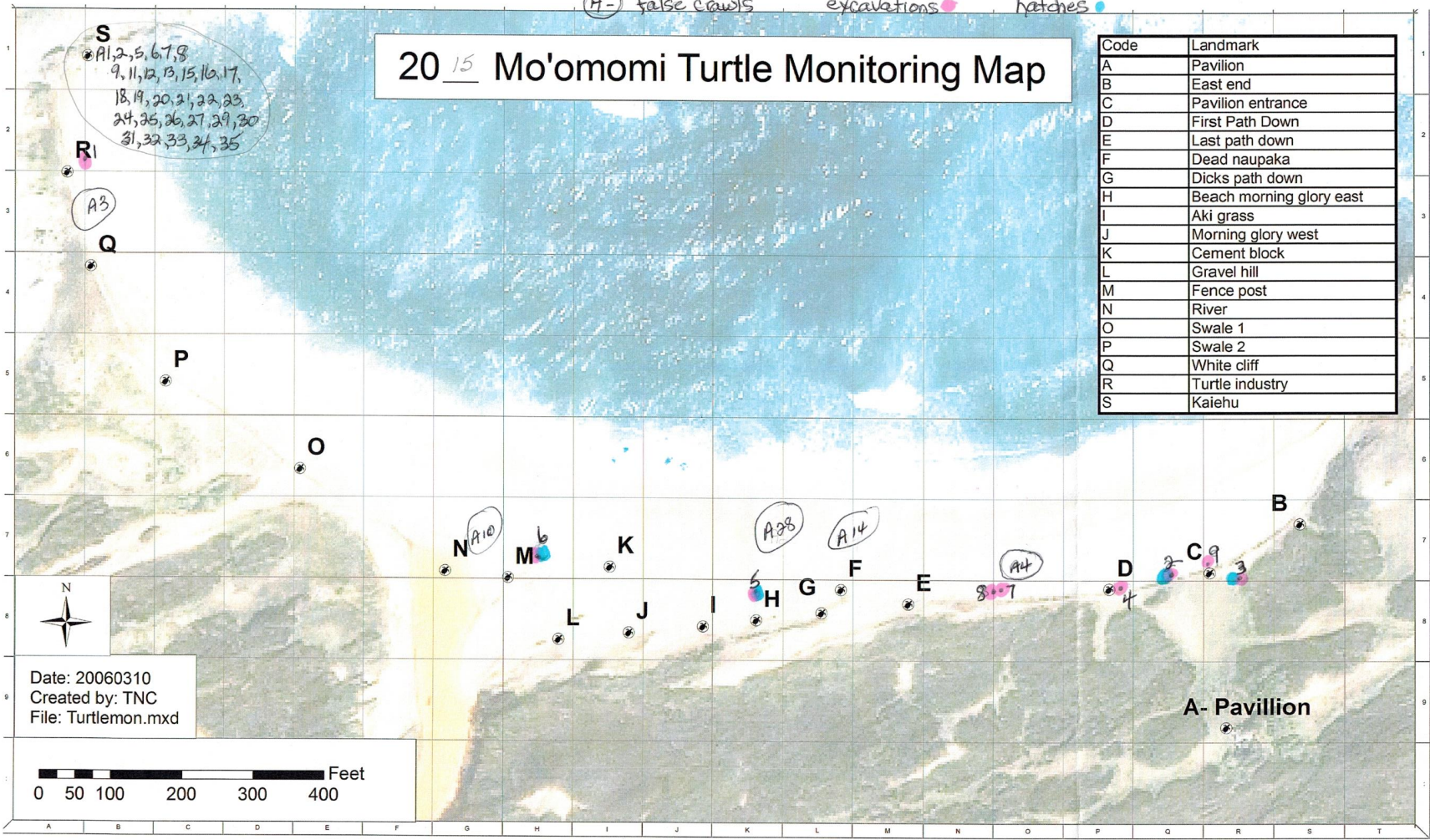
Submitted by:
Lil Macmillan

(A-) false crawls excavations ● hatches ●

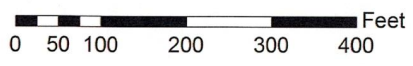
20₁₅ Mo'omomi Turtle Monitoring Map

S
 ● A1, 2, 5, 6, 7, 8
 9, 11, 12, 13, 15, 16, 17,
 18, 19, 20, 21, 22, 23,
 24, 25, 26, 27, 29, 30,
 31, 32, 33, 34, 35

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



Date: 20060310
 Created by: TNC
 File: Turtlemon.mxd



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

A- Pavillion