			Keys	Ranch waiver
Monday	Scot Shafer	567-6796	•	′ May 22/07
Tues/Sat	Lil Macmillan		May 22/07	′ May 22/07
Wed	Kathy Tachibana	553-5458 / 553-5236wrk		
Thurs	Joan Aidem	553-5641	May 22/07	' May 22/07
Friday	Mike Grinnell	553-4405		May 22/07
Sunday	Bill Feeter	553-9857	May 22/07	May 22/07

Backup

Phyliss Siu May 22/07

Joe Kitagawa

Dave & Brenda Hubka 552-0135

Debra Maple 658-0885 / 553-3200wrk

correct terminolagy - George will email

excavation - all pits

nest excavation with eggs

George will supply 2 gps units and metal detector

Will ID the excavations with numbered metal pieces - if in doubt about which is last - should mark both first and last excavations place the metal in the centre of the bottom of the excavation about 1 foot down - eggs are at the edge of the excavations, buried under a mound of sand

2007 Turtle Monitoring	Turtle # # pits	Est Hatch Hatch Date I 60 days	Hatch # Incubation gps #1	can in pits mound? Notes center	
April 21/07 Sat Lil Macmillar April 28/07 Sat Joan Aidem 4-May Fri Mike Grinnel 6-May Sun Bill Feeter 8-May Tues Lil Macmillar	I			no sign no sign no sign no sign no sign	
11-May Fri Mike Grinne		4 10-Jul 17-Jul	1 67 1-1, 1-4	1 & 4 N 4 pits, #1 4p makai of F, #2 3p W of #1, #3 7 p Makai G #4 - 3p west of #3, 7p Makai west end of G - (20 ft N of bottom of Dicks path	
	2			down)	
12-May Sat Lil	3			no sign	
13-May Sun Bill	4			no sign	
14-May Mon Scot	5			no sign	
15-May Tue Lil	6			no sign	
16-May Wed Kathy	7			no sign	
17-May Thu Joan	8			no sign	
18-May Fri Mike	9			no sign	
19-May Sat Lil	10			no sign	
20-May Sun Bill	11			no sign	
21-May Mon Lil	12			no sign	
22-May Tue Lil and	A 1			flat in front of river - 1 very shallow dig	
22-May Tue	13 2	2 21-Jul 26-Jul	2 65 2-2	2 pits, Makai White Cliff - 230 deg, makai edge (stick) of #2 64ft from White 2 S Cliff, pit 6 ft across to mound - 230 deg line	
				George Balaz, Kathy, Bill & Frances, Scot, Joan, Mike, Phyliss	
				set out markers, reviewed procedures	
23-May Wed Kathy	1			no sign	
24-May Thu Joan	2			no sign #1 blown in, #2 still clear	
25-May Fri Mike	3			no sign , put sticks in center of #1 first and last holes	
20 may :	· ·			··· 3 ·· , F	
26-May Sat Lil	4 3	1 25-Jul	3-1	1 ? 14 p E of C block shallow pit? Or blown in? Scot buried soda can in centre of pit	
27-May Sun Bill	5 4	3 26-Jul	4-3	3 N 33 ft NW of top of Dick's path down	
27-May Sun Bill	5	1 26-Jul	5-1	1 N 61 ft N of East Morning Glory	
27-May Sun Bill	A2			N of Gravel Hill at water's edge	
28-May Mon Scot	6 A3			N of Dead Naupaka up to log and returned to ocean	
28-May Mon Scot	6	2 27-Jul 1-Aug	3 65 6-2	2 S 59ft NW of Aki Grass - measured to mound	
29-May Tue Lil	1 7			no sign	
30-May Wed Kathy	2 8			no sign	
31-May Thu Joan	3 9			no sign	
1-Jun Fri Mike	4 10			no sign	
2-Jun Sat Lil	5 11			no sign	
3-Jun Sun Bill	6 12			no sign	
4-Jun Mon Scot	7 13			no sign	
5-Jun Tue Lil	8 14 A4			NW of B came up to 30ft of bank and returned to ocean	
6-Jun Wed Phyllis	9 <mark>15</mark> 7*			no Sign - commented about windblown tracks at Gravel Hill see email	
7-Jun Thu Joan	10 1				
8-Jun Fri Mike	11 2				

													ir there were more than 1 excavation it was no longer visible. The tracks to
													the 1 that was visible were quite windblown and they had been walked over by
9-Jun Sat	Lil	12	3	7	1	5-Aug	7-Aug	4	62	7-1	1	W?	several people. The upper part of the tracks were mostly blown away.
10-Jun Sun	Bill	13	4										
11-Jun Mon	Scot	14	5										
12-Jun Tue	Lil	15	6 A5										8 paces N of East Morning Glory
			A6										N of West Morning Glory
			A7										Flat area North of River
			A8										Flat area North of River
40 1 \\/1	Distrible												Flat area North of River
13-Jun Wed	Phyllis	40	7 A9	•		40.4	40.4	_	•	0.4		•	
44.1 -		16	•	8	1	12-Aug	16-Aug	5	64	8-1	1	?	East of Cement Blk east side of #3 - pictures
14-Jun Thu	Joan	1	8										no new sign ? Not sure about #7 #8
15-Jun Fri	Mike	2	9										verified A9 and #8
16-Jun Sat	Lil	3	10										no new sign , added can and gps'd #8
17-Jun Sun	Bill	4	11										no new sign
18-Jun Mon	Scot	5	12	9	1	16-Aug				9-1		W	16 ft West of Dead Naupaka
				10	2	16-Aug				10-2	2	E	41 ft East of lg Driftwood - swale 2?, 50 South of Bank
19-Jun Tue	Lil	6	13	11	1	18-Aug	16-Aug	6	58	11-1		W	Between East Morning GI & Aki Grass, 25 ft from bank
20-Jun Wed	Kathy	7	1			·	Ū						no new sign
21-Jun Thu	Joan	8	2										no new sign
22-Jun Fri	Mike	9	3										no new sign
23-Jun Sat	Lil	10	4										no new sign
24-Jun Sun	Bill	11	5										no new sign
25-Jun Mon	Scot	12	6										no new sign
26-Jun Tue	Lil	13	7										no new sign
27-Jun Wed	Kathy	14	8										no new sign
00 I TI													between Last Path Down and Dead Naupaka - turned around at bank - near ocean,
28-Jun Thu	Joan	15	9 A10)									not dune bank
													23yds East of Last Path down, marked both pits - looked like furthest east was last
29-Jun Fri	Mike	16	10	12	2	27-Aug				12-1,12-2	1 & 2		but not certain
		17		13	1	27-Aug				13-1	1		between Last Path Down and Dead Naupaka, 13 yds North of dune bank
30-Jun Sat	Lil	18	11	14	2	28-Aug	29-Aug	7	61	14-2		SE	between East Morning GI & Aki Grass, 13yds North of dune bank
1-Jul Sun	Bill	1	12										no new sign
2-Jul Mon	Scot	2	13										no new sign
3-Jul Tue	Lil & Phyllis	3	14	15	2	1-Sep	31-Aug	8	59	15-2	2	E	in the base of the dune at East Morning Glory
4-Jul Wed	Kathy	4	1			_	_						had Slaters go out - didn't see anything new
5-Jul Thu	Joan	5	2										no new sign
6-Jul Fri	Mike	6	3										no new sign
7-Jul Sat	Lil	7	4										no new sign
8-Jul Sun	Bill	8	5										no new sign
9-Jul Mon	Scot	9	6										no new sign
10-Jul Tue	Lil	10	7										no new sign
10-Jul Tue	LII	10	1										no new sign
11-Jul Wed	Kathy	11	8										no new sign, away July 12-26, Joan will be coordinator
12-Jul Thu	Joan	12	9										no new sign
13-Jul Fri	Mike	13	10										no new sign
14-Jul Sat	Bill	14	11 A11	ı									8 paces N of E Morning Glory
15-Jul Sun	Bill	15	12 A12										50 N of Last Path Down
16-Jul Mon	Scot	16	13	16	2	09/14/07							91 ft E of Last Path Down, against the bank
70-001 MOII	5501	10	10		-	JU, 17/U/							or it a or autor and bown, against the bank

6 paces SW of Cement Block - Phyllis noted windblown tracks by gravel hill - I believe these are the same tracks seen June 9th with 1 excavation. Very windy IF there were more than 1 excavation it was no longer visible. The tracks to

17-Jul Tue 18-Jul Wed 19-Jul Thu 20-Jul Fri 21-Jul Sat 22-Jul Sun 23-Jul Mon 24-Jul Tue	Bill Kathy Joan Mike Phyllis Bill Scot Phyllis	16 16 16 17 14 1 15 2 1 3 2 4 3 5 4 6 5 7 6	17 18 19 20 21 22	1 09/14/07 2 09/14/07 2 09/14/07 2 09/15/07 1 09/15/07 2 09/16/07	13-Sep	9	57	17-1 18-2 19-2 20-2 21-1 22-2	1 2 2 2 1 2	77 ft W of Dicks Path Down, 20 ft from bank 4 ft W of E Morning Glory against the bank 50 ft N of Aki Grass 36 ft N of Dead Naupaka, 6 ft E of pile of logs 89 ft N of Aki Grass, 26 ft E of pile of logs Hatch #1 - Turtle #1 51 ft N of W Morning Glory no new sign son new sign po new sign son new sign
25-Jul Wed 26-Jul Thu 27-Jul Fri	Bill Joan Mike	8 7 9 8 10 9								up Nest #1 45 empty shells, 2 spoiled eggs, 1 unhatched embryonic turtle & 1 live turtle no new sign Hatch #2 Turtle #2 no new sign
28-Jul Sat 29-Jul Sun 30-Jul Mon 31-Jul Tue 1-Aug Wed 2-Aug Thu 3-Aug Fri 4-Aug Sat 5-Aug Sun	Lil Bill Scot Lil Kathy Joan Mike Lil Bill	11 10 12 11 13 12 14 13 15 1 1 2 2 3 3 4 4 5	23 24	1 29-Sep 1 30-Sep	29-Sep 29-Sep	10 11	60 59	23-1 24-1	1 1	Dug up Hatch #2 - George, Joan, Bill & Frances 75 empty, 2 spoiled no new sign no new sign 13 y N of Aki Grass 40 ft NE last Fence Post Hatch #3 - Turtle #6 no new sign
6-Aug Mon	Scot	5 6								dug up Hatch #3 -Bill, Frances, Joan, Mike & Lil - 60 empty, 4 spoiled eggs no new sign
7-Aug Tue 8-Aug Wed 9-Aug Thu 10-Aug Fri 11-Aug Sat 12-Aug Sun	Lil Kathy Joan Mike Phyllis Bill	6 7 7 8 8 9 9 10 10 11 11 12								Hatch #4, Turtle #7 - big hatch, several went on long trecks away from ocean, ended up taken by crabs - counted 20 tracks that were taken by crabs no new sign no new sign, found dead juvenile redtail tropic bird at W end of beach. Young fellows fishing - messed up beach no new no new sign no new sign no new sign
13-Aug Mon 14-Aug Tue 15-Aug Wed 16-Aug Thu 17-Aug Fri 18-Aug Sat	Scot Lil Kathy Joan Mike Lil	12 13 13 14 14 15 15 16 15 1 2	25 26 27	6 13-Oct 1 14-Oct 1 14-Oct	14-Oct 15-Oct	12 13	60 61	25-6 26-1 27-1	25-6 26-1 27-1	Bill, Frances, Joan, Phyllis & Lil dug Hatch #4 - 82 empty shells, 4 undeveloped eggs, 1 live, 1 dry dead from crab found in sand near nest no new sign no new sign - very windy 12'S of top of Dicks Path Marker? Need to measure Btw Dicks Path and E MGL 10 paces N N of Gravel Hill Hatches 5 & 6 Turtles 8 & 11 No new sign no new sign, found dead hatchling tangled in fishing line at exit of #8

20-Aug Mon	Scot	4						Dug #8 & #11 - Bill, Frances, Joe & son, Joan, Scot, Lil #8 - 78 empty, 2 undeveloped #11 - 86 empty, 3 undeveloped, 2 dead unhatched
21-Aug Tue	Lil	5						no new sign
22-Aug Wed	kathy	6						no new sign
23-Aug Thu	Joan	7						no new sign
24-Aug Fri	Mike	8						no new sign
25-Aug Sat	Lil	9						no new sign
20 / tag Gat		Ü						no non eign
26-Aug Sun	Bill	10						#7 Hatch, #14 Turtle - found live turtle at exit, released to ocean, found 1 dead at shoreline - a lot of crab activity
27-Aug Mon	Scot	11						no new sign
28-Aug Tue	Joe	12						no new sign
29-Aug Wed	Bill	13						Hatch # 7, Turtle #14 - lots of crab activity, found 1 dead, found 1 live at exit and released to ocean
30-Aug Thu	Joan	14	28	3 29-Oct	2-Nov 14	64	28-1,28-2 28-1,28-2	3 pits, unclear which was dug last, marked 1st and 3rd w sticks 1st in base of dune 10 paces E of East MGI, 3rd, 20ft N of dune btw Aki G & W MGI
31-Aug Fri	Lil							Hatch #8 - Turtle #15 - lots of crab activity, found 1 dead close to surf line
1-Sep Sat	Lil							found 2 tracks from #8 hatch, 1 lead to a dead turtle, no crab injuries
2-Sep Sun	Bill							no new sign
3-Sep Mon	Scot							no new sign
4-Sep Tue	Lil							no new sign
5-Sep Wed								no new sign
o cop mou	Rauly							no non oign
								George, Mike, Joan, the Ballards, Kathy & Lil dug up #7 hatches #7 - turtle 14 - 77 empty shells & 1 undeveloped egg
								#8 - turtle 15 - 78 empty shells & 3 undeveloped eggs - George took one with
								blood in yolk,
								George took frozen remains from Nests 6,7,8,11,14, & 15 - from Lil and Bill's
								freezers
6-Sep Thu	Joan							no new sign
7-Sep Fri	Mike							no new sign
8-Sep Sat	Lil							no new sign
9-Sep Sun	Bill							no new sign
10-Sep Mon	Scot							no new sign
11-Sep Tue	Lil							no new sign
12-Sep Wed	Kathy							no new sign
12-Sep Wed	Ratily							no new sign
13-Sep Thu 14-Sep Fri	Joan Mike							Hatch #9 - Turtle #22 found 1 dead and 1 live with injuries at water line found 2 tracks from #9 hatch
•								found 2 dead hatchlings from hatch #9 - 1 near tide line at Last Path Down, 1 beside
15-Sep Sat	Lil							crab near hatch exit
16-Sep Sun	Bill							no new sign
17-Sep Mon	Scot							no new sign
•								Scot, Ken, Mike, Joan, Marcy, Bill & Fr, & Lil dug #9
								80 empty shells, 1 undeveloped egg
18-Sep Tue	Lil							no new sign
19-Sep Wed	Bill							no new sign
20-Sep Thu	Joan							no new sign
21-Sep Fri	Mike							no new sign
22-Sep Sat	Lil							no new sign
23-Sep Sun	Bill							no new sign
24-Sep Mon	Scot							no new sign
24-Sep Won	JUUL							no new sign

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25-Sep Tue Lil
26-Sep Wed
            Kathy
27-Sep Thu
            Joan
28-Sep Fri
             Mike
29-Sep Sat
            Lil
30-Sep Sun
            Bill
 1-Oct Mon
            Scot
 2-Oct Tue
            Lil
 3-Oct Wed Kathy
 4-Oct Thu
            Joan
 5-Oct Fri
            Mike
 6-Oct Sat
            Lil
 7-Oct Sun
            Bill
 8-Oct Mon
            Scot
 9-Oct Tue
            Lil
10-Oct Wed
            Kathy
11-Oct Thu
            Joan
12-Oct Fri
            Mike
13-Oct Sat
            Lil
14-Oct Sun
            Bill
15-Oct Mon
            Scot
16-Oct Tue
            Lil
            Kathy
17-Oct Wed
18-Oct Thu
            Joan
19-Oct Fri
            Mike
20-Oct Sat Lil
21-Oct Sun
            Bill
22-Oct Mon
            Scot
23-Oct Tue
            Lil
24-Oct Wed Kathy
25-Oct Thu
            I il
26-Oct Fri
            Mike
27-Oct Sat
            Lil
28-Oct Sun
            Bill
29-Oct Mon
            Scot
30-Oct Tue
            Lil
31-Oct Wed
            Kathy
 1-Nov Thu
            Lil
 2-Nov Fri
            Mike
 3-Nov Sat
            1 il
 4-Nov Sun
            Bill
            Scot
 5-Nov Mon
 6-Nov Tue
            Lil
            Kathy
 7-Nov Wed
 8-Nov Thu
            Lil
```

```
no new sign
no new sign
no new sign
no new sign
Hatches 10 & 11 Turtles 23 & 24
no new sign
road too muddy didn't go
no new sign, 2 areas of Monk Seal tracks & impressions B & Swale 1
no new sign. Monk Seal tracks - swale 2
dug hatch #10 - 76 empty shells, 2 undeveloped eggs Bill, Scot, Mike, Kathy, Lil,
Marcy & Ken
hatch #11 - 70 empty shells, 2 undeveloped eggs
no new sign
Hatch #12. Turtle #25
Hatch #13, Turtle #26, found 2 dead at shoreline, lots of crab activity - 2 dead
in Scot's freezer
one more track from Hatch 12
no new activity
no new activity
Mike, Joan, kathy, Lil, Bill & Frances, Joe
dug hatch 12 - Turtle 26 - 76 empty shells, 3 undeveloped & 2 live released to
dug hatch 13 - Turtle 27 - 82 empty shells, 2 undeveloped - undeveloped eggs
in Lil's freezer
no new sign
no new sign
no new sign
no new sign
no new sian
road too muddy didn't go
no new sign - very windy, no visible tracks of any kind
no new sign - very windy, no visible tracks of any kind
no new sign - very windy, no visible tracks of any kind
no new sign - very windy
no new sign
no new sign
rained out
Hatch #14 - Turtle #28 marked& swept exit
Hatch #14 - 3 more tracks out from exit
rained out
rained out
road too muddy didn't go
road too muddy didn't go
Lil, Bill, Frances, Mike & Kathy
dug #14 78 empty, 3 undeveloped, 1 live, 26 dead
crab activity in exit area, looked like a hatchling had been dragged away
```

Map ID Landmarks

East to West

A Pavillion

East End

- C Pavillion entrance
- D First Path Down
- E Last Path Down
- F Dead Naupaka
- G Dick's Path Down
- H Morning Glory East
- I Aik 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 Rock

-			
-			
0/7 - control 00 to a local back and a distribution by a local big on a control 0/40 cond 4 do a d			
8/7counted 20 tracks that ended with crabs dragging hatchlings away, 8/12ound 1 dead,			
dry baby with hole in back of neck in sand near nest			
farmed 4 doesd hatabling Arm 40 at a vitage a tampled in fighting line being a star by a such			
found 1 dead hatchling Aug 19 at exit area, tangled in fishing line being eaten by a crab			
	1		

2 dead were unhatched, seemed to be fully developed 1 found dead from crabs 2 found dead, 1 from crabs
1 found dead from crabs
2 found dead, 1 from crabs
2 found dead, 1 from crabs
2 found dead, 1 from crabs
Sept 15, found 2
found 1 dead and 1 live but injured at waters edge dead at tide line
found 2 dead on shoreline
44/2/2007 2 many trooks from quit
11/3/2007 - 3 more tracks from exit
11/4/07 - very heavy rains

	I	
Hatabaa da		
Hatches du	e -	## L.L.OF
#1 - July 8		#4 - July 25
#2 - July 20		#5 - July 25
#3 - July 24		#6 - July 26
11-Jul	Wed	Kathy
40.1.1		
12-Jul	Thu	Joan
40.1.1		
13-Jul	Fri	Mike
14-Jul	Sat	Bill
15-Jul	Sun	Bill
16-Jul	Mon	Scot
4=	_	
17-Jul	Tue	Bill
40 1-1	147 1	W-di
18-Jul	wed	Kathy
40.1.1		
19-Jul	ınu	Joan
00 11	Fui	Miles
20-Jul	Fri	Mike
04 11	0-4	Distriction in the second seco
21-Jul	Sat	Phyllis
00 1-1	0	
22-Jul	Sun	Bill
00 11	Man	04
23-Jul	won	Scot
04 11	T	Distriction in the second seco
24-Jul	Tue	Phyllis
05 11	NA/ - al	
25-Jul	wea	Bill
00 1-1	T1	
26-Jul	ınu	Joan
Math.	FF0 F000	
Kathy	553-5236	
Mike	553-4405	
Bill	553-9857	
Scot	567-6796	
Phyllis	553-4489	

5-Jun body impression near waters edge - Lil

3-Jul body impressions below high tide line - Lil

2-Oct 3 body imprssions near bank - B, 3 body impressions at just below high water line - swale 1 - Lil

3-Oct body impression near waters edge - swale 2 - Joan

18-Oct tracks - swale 2 - Joan

			Keys	Ranch waive	-
Monday	Scot Shafer	567-6796	May 13/08	May 13/08	
Tues/Sat	Lil Macmillan		May 13/08	May 13/08	
Wed	Kathy Tachibana	553-5458 / 553-5236wrk			
Thurs	Joan Aidem	553-5641		May 13/08	has keys from 2007
Friday	Mike Grinnell	553-4405		May 13/08	
Sunday	Bill Feeter	553-9857		May 13/08	has keys from 2007

Backup Phyliss Siu Joe Kitagawa

Dave & Brenda Hubka 552-0135

Debra Maple 658-0885 / 553-3200wrk 2008 Turtle Monitoring Turtle # # pits Est Hatch Hatch Date Hatch # Incubation gps can in pits mound? Notes 60 days center

4/00/00 14/												
	Lil											no tracks
	Lil											no tracks
	Scot's friends	A1										west end of beach
	Joe											no tracks
		A2										west end of beach -below high water
5/2/08 Fri	Lil											no tracks
5/3/08 Sat	Joe											no tracks
	Lil											no tracks
5/8/08 Thurs	Lil											no tracks - very windy, beach being swept clean need to check daily could miss tra
5/13/08 Tues												meeting - Lil, Scot, Mike, Joan, Kathy & Frances - renewed markers, signed waive
	Lil											no tracks
	Joan											no tracks
5/16/08 Fri	Mike											no tracks
	Lil											no tracks
5/18/08 Sun	Bill											no tracks
5/19/08 Mon	Scot											no tracks
5/20/08 Tues	kathy											no tracks
5/21/08 Wed	Lil											no tracks
5/22/08 Thurs												rain
5/23/08 Fri	Mike											no tracks, found tracks on 1st beach to east of Kawa'aloa, she tried digging i
5/24/08 Sat	Lil		1	1	23-Jul	28-Jul	1	65	2008-01-1	1 - 1	NW	45 ft N of Swale 2
5/25/08 Sun	Bill											monk seal tracks at west end of beach
5/26/08 Mon	Scot											no tracks
5/27/08 Tues	kathy											Kathy away -
5/28/08 Wed	Lil											no tracks
5/29/08 Thu	Joan											no tracks
5/30/08 Fri	Mike											no tracks
5/31/08 Sat	Lil											no tracks
6/1/08 Sun	Bill											no tracks
6/2/08 Mon	Scot											no tracks
6/3/08 Tue	kathy											no tracks
6/4/08 Wed	Lil											no tracks
6/5/08 Thu	Joan											no tracks
6/6/08 Fri	Mike											no tracks
6/7/08 Sat	Lil											no tracks
6/8/08 Sun	Bill											no tracks
6/9/08 Mon	Scot											no tracks
6/10/08 Tue	kathy	А3										short crawl far West end of beach
6/11/08 Wed	Lil											no tracks
6/12/08 Thu	Joan											no tracks
6/13/08 Fri	Mike		_	_			_					no tracks - found fresh tracks on beach east of Kawa'aloa - dug 4 pits, still looking
6/14/08 Sat	Lil		2	2	13-Aug	14-Aug	2	61	2008 0202	2 - 2	NE ?	#2 - 40 ft N of White Cliff - see Aug 14 notes - hatch 2
6/15/08 Sun	Bill											no tracks
6/16/08 Mon	Scot											no tracks
6/17/08 Tue	kathy											no tracks
6/18/08 Wed	Lil											no tracks
6/19/08 Thu	Joan											no tracks
6/20/08 Fri	Mike											no tracks

2008 Nesting Green Sea Turtle Survey Kawa'aloa Bay, Molokai, Hl.

All Trips In -

Nests dug	Excavation #	Map ID	Aborted Tracks	Map ID		Map ID	Landmarks
						East to V	Vest
						Α	Pavillion
04/27/08			A1	S			East End
05/01/08			A2	S	waters edge	С	Pavillion entrance
05/24/08	1	Р				D	First Path Down
06/10/08			A3	S	waters edge	E	Last Path Down
06/14/08	2	R			•		
06/28/08			A4	Q	below high tide line	F	Dead Naupaka
06/28/08			A5	R/S	waters edge	G	Dick's Path Down
06/29/08	3	R				Н	Morning Glory East
07/05/08			A6	A/B	up to dune	I	Aik Grass
07/05/08			A7	Ν	below high tide line	J	Morning Glory West
07/05/08			A8	Q	up to dune	K	Cement Block
7/28/2008			A9	S	waters edge, missing flipper, smaller turtle	L	Gravel Hill
07/31/08	4	S				M	Fence Post
08/15/08	5	S				N	River
08/18/08			A10	S	below high water	0	Swale 1
08/29/08	6	S				Р	Swale 2
09/10/08			A11	S	below high water	Q	White Cliff
09/13/08	7	S			-	R	Turtle Industry
10/24/08			A12	S	below high water	S	Kaiehu Rock

nesting activity at small beach to east of Kawaaloa beach Excavation

	Excavation	#	
5/23/2008			1
6/13/2008			2
7/4/2008			3
7/5/2008			4
7/30/2008			5

Date	Nest #	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	Spoiled	Dead	Live	Successful		
		Location		(60 days)		Incubated							Hatches		
05/24/08	1	Р	1	7/23	7/28	66	1	07/31/08		2	2	1	63		
06/14/08	2	R	2	8/13	8/14	61	2	09/23/08	0				?		
06/29/08	3	R	1	8/28											
07/31/08	4	S	1	9/29	10/5-9	65-70	3	11/10/08	0				?		
08/15/08	5	S	3	10/15				11/10/08	0						
08/29/08	6	S	2	10/28	11/4	67	4	11/10/08	77	57		1	20		
09/13/08	7	S	1	11/12											
	Nest	Notes													
					area, no appar	ent injuries f	ound the n	norning after	hatch						
		arge hatch	n, unable to	locate shells	3										
	3														
	4 5th, may have been tracks, 9th, 1 clear track, did not find nest 5 no hatch observed, did not find nest														
	6	sand was v	very damp, l	hatched she	lls were lower	•									
	7	heavy rain	s caused riv	er to flow ou	ut to west end	of beach wa	shing out #	‡ 7							

Bill	553-9857		Lil away July 7 - 22
Kathy	553-52	236	
Mike	553-44	05	
Scot	567-6796		
Phyllis	553-44	.89	
Hatch d	<u>ue #1 -</u>	July 23, 20	<u>08</u>
6-Jul	Sun	Bill	no activity
7-Jul	Mon	Scot	
8-Jul	Tue	Kathy	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	D.III	
9-Jul	Wed	Bill	
40 1.1	T L	1	
10-Jul	Thu	Joan	
44 1	Fri	Mike	
11-Jul	ГП	IVIIKE	
12-Jul	Sat	Bill	
12-Jul	Sat	DIII	
13-Jul	Sun	Bill	
10-001	Ouri		
14-Jul	Mon	Scot	
11041	IVIOII	0001	
15-Jul	Tue	Kathy	
		,	
16-Jul	Wed	Bill	
17-Jul	Thu	Joan	
18-Jul	Fri	Mike	

	T	
19-Jul	Sat	Bill
20-Jul	Sun	Bill
ZU-Jui	Sull	DIII
21-Jul	Mon	Scot
22-Jul	Tue	Kathy
23-Jul	Wed	Lil
		— 11
24 1	Thr	loop
24-Jul	Thu	Joan

05/25/08 tracks and body depression - west end of beach

06/29/08 seal basking on beach Feeters emailed pics and tag ID BO2 to D Schofield at NOA

08/01/08 seal tracks on Mike's beach

09/24/08 2 seals basking at east end of beach - one more silver than other - had red tag on back fli

09/25/08 1 seal basking at east end of beach, silver grey, Joan thought it was young

pper unable to read it - the seal was aware of me and did not want to disturb it.

Keys Ranch waiver

has keys from 2008

Monday Scot Shafer 567-6796 Tues/Sat Lil Macmillan

Wed Kathy Tachibana 553-5458 / 553-5236wrk

Thurs Joan Aidem 553-5641
Friday Mike Grinnell 553-4405
Sunday Bill Feeter 553-9857

Backup

Phyliss Siu Joe Kitagawa

Dave & Brenda Hubka 552-0135

Debra Maple 658-0885 / 553-3200wrk

2009 Turtle Monitoring		est rtn	Track width	T	# -:- r		Hatch Date H			Makes
2009 Turtie Monitoring		estrin	Track widtr	1 Turue #	# pits t	60 days	natch Date in	iaton# i	ncubauc	II Notes
4/26/09 Sun	Bill									no tracks
	Lil									no tracks
5/3/09 Sun	Bill									no tracks
	Lil Bill									no tracks
	Lil									no tracks
	Bill									no tracks
5/20/09 Wed				A1						
5/24/09 Sun				AT						short crawl and rtn to ocean, appeared to be missing left hind flipper - very similar track as July 08 A9 fresh tracks and 2 excavations on Mike's beach
5/26/09 Tues										no tracks
5/28/09 Thurs										no tracks
					_					
5/30/09 Sat 5/31/09 Sun	Phyllis Bill	13-Jun	34	1	2	7/30				50 ft E of Last path down, 2 exc - marked both with sticks - track was 34 in wide no tracks
6/1/09 Mon	Joan		34	A2						turtle industry - below high water
0. 1.00 mon	oou.		34	A3						Kaiehu rock - below high water
6/2/09 Tue	Lil									no tracks
0/0/00 14/		47.1				8/2				
6/3/09 Wed 6/4/09 Thu	Lil	17-Jun	34 34	A4	1	8/2				66 ft NW Cement Block - <u>34 in track</u> - described excavation as shallow Helen & Katie train for backut
0/4/03 THU	Lii		54	A4						Holon & Nade Ball for Backs
										9am observed turtle at water's edge, she crawled to E Morng Gl and up the dune turned and back to the sea an
										hour and a half later
										contacted George, instructed that I take photos and check for tags. No tags, photos sent to George <u>34 in track</u>
6/5/09 Fri	Mike									no tracks
6/6/09 Sat	Lil	20-Jun	34	A5	1?	8/5	9-Aug	2	64	very windy only tracks visible in damp sand, possible excavation location recorded <u>34 in track</u>
6/7/09 Sun	Phyllis		wide	A6						between first and last path down came 2/3 way up the beach -wide track - see pics
			wide	3	1	8/6				between E Morn gl and Aki Grass - approx 100 ft below dune - wide track - see pics
										below Dick's path down - last one in base of dune, unclear which was last 6/9 - staked and recorded both #2 30
6/8/09 Mon	Joan	22-Jun	42	4	2	8/7	9-Aug	1	62	ft N or Dick's
6/9/09 Tue	Lil & Frances	Ort					_			Frances Ort train for backup - no new tracks
6/10/09 Wed	Lile Divilia									no new tracks, reviewed landmarks - loaned her my keys for Sunday
6/11/09 Thu	Lil & Priyilis									no tracks
6/12/09 Fri	Mike									no tracks
6/13/09 Sat	Kathy		40	A7						btw turtle ind and Kaiehu Rock halfway up beac
6/14/09 Sun	Phyllis		40	A8						came up beach to river and rtnd / rtnd keys
6/15/09 Mon	Joan			A9						North of River at water's edge
	Joan Joan		40	A10 A11						came up beach to river and rtnc came up beach halfway to river and rtni
6/16/09 Tue	Lil		40	A12						E Morning gl below high wate
*********			40	A13						White cliff blelow high water
		30-Jun	40	5 ?		8/15				90 ft N of last post - shallow
6/17/09 Wed	Scot									no tracks
6/18/09 Thu	Lil									rained out
6/19/09 Fri 6/20/09 Sat	Mike Kathy			A14						no tracks Pavillion, up onto grass
0/20/03 Oat	Radiy			A15						Kaiehu rock - below high wate
6/21/09 Sun	Bill	5-Jul		6	2	8/20	24-Aug	3	64	20 ft N of Dead naupaka
0/00/00				7	2	8/20				btw Aki Gr & W Morn gl, 75 ft from dune
6/22/09 Mon	Joan	6-Jul		8	2	8/21				Kaiehu rock - below high water
6/23/09 Tue	Lil									no tracks / nest 8 washed over by high surf/ very windy/ new stick in A5
6/24/09 Wed	Scot									no tracks
6/25/09 Thu 6/26/09 Fri	Lil Mike			A16	ļ					btw turtl ind & Kaiehu R below high water/ waves washed over both excavations no tracks
6/27/09 Sat	Kathy									no tracks
	,									
6/28/09 Sun	Bill			A17						100 yds W of Pavillion Entr climbed part way up bank at waters edge
6/29/09 Mon	loon			A18						Kaiehu rock - below high wate no tracks
0/23/03 MOH	JUBIT									IIO URIONO
										no tracks -hind sight - noticed odd depression in bank edge near last path assumed it was from A17 suspect it was
6/30/09 Tue	Lil									missed excavation for Scot's find July 1st
										found several empty shells along shoreline and 2doz? Undeveloped eggs in water, missed nest in steep bank being
7/1/09 Wed	Scot			9A ??						eroded by waves btw first & last path dug late Apr?
										retrieved 4 intact eggs from ocean - frozen for Georg
7/2/09 Thu	Lil									no tracks , only found 2 part shells on beach
7/3/09 Fri	Mike									no tracks
7/4/09 Sat	Kathy	18-Jul	42	9	2	9/2	4-Sep	4	62	7am found turtle finishing second excavation! 42 inch track
7/5/09 Sun	Bill						•			no tracks
7/6/09 Mon	Joan									no tracks

7/7/09 Tue	Lii		38	A19						long track, many shuffles, from last path up top & over side of dune - looked to have had difficulty getting back up from
7/7/09 Tue	LII		38	A19 A20						back side of dune and then on to above E Morning gI - 38 in track btw Turtle ind and Kaiehu Rock up to dune edge, many shuffles - 38 in track
7/8/09 Wed	Scot	22-Jul	38 38	10	2	5-Sep 6-Sep	6-Sep	5	60	30 ft S of Kaiehu Rock - 8ft W of #8 - 38 in track 27 ft W of East M glory in edge of dune - 38in track
7/9/09 Thu 7/10/09 Fri	Lil Mike				_			-		no tracks no tracks
7/11/09 Sat 7/12/09 Sun	Kathy									no tracks no tracks
7/13/09 Mon 7/14/09 Tue	Joan Helen & Katie			A21						no tracks in front of river
7/15/09 Wed	Scot			A22						in front of E Morning Glory
7/16/09 Thu 7/17/09 Fri	Frances Ort Mike									no new tracks - new excavation on Mike's Beac no go - car trouble
7/18/09 Sat 7/19/09 Sun	Kathy Bill	1-Aug		12 A23	3	16-Sep	19-Sep	6	63	near cement block 100 ft E of Kaiehu Rock
7/20/09 Mon 7/21/09 Tue	Joan Helen & katie									no tracks no tracks
7/22/09 Wed 7/23/09 Thu	Scot Frances									no tracks no tracks
7/24/09 Fri 7/25/09 Sat	Mike Kathy			13		23-Sep				no tracks West Morning Glory/ gravel Hill
	,			14	2	23-Sep				Kaiehu Rock
7/26/09 Sun 7/27/09 Mon	Bill Joan	9-Aug		15 A24	3	24-Sep				120 ft W of Cement Block - uncertain which was last - possibly the farthest west below high water 40 ft E of Kaiehu Rocl
7/28/09 Tue	Phyllis			AL4						no tracks
7/29/09 Wed 7/30/09 Thu	Scot Bill	14-Aug		16	2	28-Sep	27-Sep	7	59	Dead naupaka
				A25						50 ft E of Kaiehu Rock - ATV tracks length of beach - Frances sent pics to Ed
7/31/09 Fri 8/1/09 Sat	Mike Bill									no tracks no tracks
8/2/09 Sun 8/3/09 Mon	Bill Joan									no tracks no tracks
8/4/09 Tue 8/5/09 Wed	Phyllis Scot									no tracks no tracks
8/6/09 Thu 8/7/09 Fri	Bill Mike									no tracks no tracks
8/8/09 Sat 8/9/09 Sun	Kathy Bill									no tracks A5 and #4 hatched
	Lil									verified hatch locations - approaching storm may prevent monitors from checking beach in next few days
8/10/09 Mon 8/11/09 Tue	Joan Lil									road to wet to gc road to wet to gc
8/12/09 Wed 8/13/09 Thu	Scot Lil		32	A26						road to wet to gc up to edge of grass in front of the Pavilio
6/13/09 THU	Lii		36 36	17 18	1	12-Oct 12-Oct				40 ft W of last path, 20 ft N of dune 20 ft SE of Dick's Path
		24-Aug	38	19	1	12-Oct	14-Oct	9	63	50 NE of Aki Grass
		26-Aug	42	20	3	12-Oct	13-Oct	8	61	60 ft NE of West Morning Glory - beside #17 - one to East
			38 36	21 22	3 1	12-Oct 12-Oct				60 ft NE of Turtle Industry 29 ft S of Kaiehu rock beside #14 to East
8/14/09 Fri	Lil, Bill, Joan,	Katie &	Phyllis							dug #1 & #2 hatches #1 A5 - 56 empty shells, 14 spoiled, 1 dead, 2 live
										#2 - #4 nest - 75 empty shells no new tracks
8/15/09 Sat 8/16/09 Sun	Kathy Bill									no new tracks no new tracks
8/17/09 Mon 8/18/09 Tue	Joan Lil									no new tracks
8/19/09 Wed	Scot									no new tracks- high surf/high tide - waves ran up to dune edge swale 2 west
8/20/09 Thu	Lil									no new tracks- high surf/high tide - waves ran up to dune edge swale 2 west - waves washed in # 22 & 14
8/21/09 Fri 8/22/09 Sat	Mike Kathy			A27						small track near water's edge no new tracks
8/23/09 Sun 8/24/09 Mon	Bill Joan									no new tracks Hatch #3 - turtle #6
8/25/09 Tue 8/26/09 Wed	Lil Scot	9-Sep	42	23	1	25-Oct	27-Oct	10	62	3 more hatchling tracks from #3 hatch 60 ft N of East Morning Glory - large hole
8/27/09 Thu	Lil		38 38	A28 A29						loop onto dry sand and rtn N of Gravel hi loop onto dry sand and rtn N of Last Pos
0.000.00 5 .										dug #6 -hatch #3 - 71 empty shells, 1 dead, 4 unhatched/dead - sand was quite moist, three dead were still in
8/28/09 Fri	Lil, Bill, Fran	ces, Hele	n, Katie, & 38	A30 A31						shells - 2 partially out, 1 unhatched felt like there was a turtle inside very long track up to river to swale ' short loop E of Kaiehu Roo!
		11-Sep	38	24	1	27-Oct				90 ft N of swale 1 - still looking on way back to ocean
8/29/09 Sat 8/30/09 Sun 8/31/09 Mon	Kathy Bill Joan	12-Sep	38	25	1	28-Oct	28-Oct	11	60	35 ft E of Swale 1 in base of dune no new tracks road closed - fire
DON BON 610	JUAN									Toda Glosea - IIIc

```
9/2/09 Wed
               Scot
                                                                                                                 no new tracks
  9/3/09 Thu Lil
                                                                                                                  no new tracks
  9/4/09 Fri
                                                                                                                  nest #9 hatched - Ig # of tracks - hatch #4, ATV tracks the length of the beach
  9/5/09 Sat Lil
                                                                                                                 2 more tracks from nest #9
found #11 had hatched - #5 hatch - many tracks
  9/6/09 Sun Bill
  9/7/09 Mon Joan
9/8/09 Tue Lil
                                                                                                                  no new tracks
                                                                                                                 no new tracks
                                                                                                                 dug #9 -hatch #4 - 84 empty shells, 1 undeveloped, 3 unhatched/dead - sand was quite moist, three dead were
  9/9/09 Wed Scot, Bill, Joan, Mike, Lil, Helen, Katie & Joe
                                                                                                                 dug #11 - hatch #5 - 55 empty shells, 2 undeveloped - 1 very small, 8 partially hatched dead, 1 dead & 2 live -
                                                                                                                  released - partially hatched were near the bottom of the nest and starting to decay - the sand was quite moist
                             23-Sep 42
23-Sep
                                                                                                                 Btw Pavillion entr and B at edge of bank
85 ft E of Cement Block
                                                                             8-Nov
 9/10/09 Thu
               Lil
                              24-Sep 42
                                                                                                    12 60
                                                                                                                 15 ft w of first path down in the trail
 9/11/09 Fri
                Mike
                                                                                                                 no new tracks
 9/12/09 Sat
                Kathy
                                                                                                                 no new tracks
                                                                                                                 no new tracks - #27 wet - high surf
 9/13/09 Sun
               Bill
 9/14/09 Mon
                                                                                                                 no new tracks
               Joan
                                                                                                                 no new tracks - # 27 wet
 9/15/09 Tue Lil
 9/16/09 Wed Scot
                                                   A32
                                                                                                                 George Balazs - Joan, Bill, Frances, Helen, Katie, Scot & Lil - walked the beach
                                                                                                                  evening of 15th - George saw 2 turtles - A32 & A33, found tags, - both had been tagged 2007 while nesting at
                                                                                                                 FFS
Kaiehu rock - at water's edge
                                                   A33
 9/17/09 Thu Lil
                                                  A34
 9/18/09 Fri
                                                                                                                  no new tracks
 9/19/09 Sat
                                                                                                                 hatch #6 - turtle #12 - many tracks
               Lil
 9/20/09 Sun
                                                                                                                  1 more track from hatch #6
 9/21/09 Mon
                                                                                                                  no new tracks
 9/22/09 Tue
                                                                                                                 no new tracks - Sunday's track still visible
 9/23/09 Wed
                                                                                                                 no new tracks
dug #12 - hatch #6 - 66 empty shells
 9/24/09 Thu Lil, Joan, Mike, Frances Ort, Bill & Frances
 9/25/09 Fri
                                                                                                                 hatch #7 - turtle 16
 9/26/09 Sat
               Kathy
 9/27/09 Sun
                                                                                                                  4 tracks from #16
 9/28/09 Mon
               Joan
                                                                                                                  no new tracks
 9/29/09 Tue
               Phyllis
                                                                                                                 no new tracks
 9/30/09 Wed
                                                                                                                  no new tracks
                                                                                                                 at waters edge - Kaiehu rocł
               Katie & Helen
                                                  A35
 10/1/09 Thu
 10/2/09 Fri
                Mike
                                                                                                                 dug #16 - hatch #7 - 56 empty shells, 5 undevelope
                Joan, Phyllis, Bill & Frances
 10/3/09 Sat
                                                   A36
                                                                                                                  at waters edge - Kaiehu rock
               Kathy
 10/4/09 Sun
                                                   A37
                                                                                                                 up to high tide line - Kaiehu Rocl
 10/5/09 Mon
                                                                                                                 no new tracks - high tides - standing water at dune edge - White cliff & River
               Frances Ort
 10/6/09 Tue
                                                                                                                 no new tracks
 10/7/09 Wed
                                                                                                                 no new tracks
                Scot
 10/8/09 Thu
               Katie
                                                                                                                  no new tracks
 10/9/09 Fri
               Mike
                                                                                                                 no new tracks
10/10/09 Sat
               Kathy
                                                                                                                  no new tracks - camper from Oregon - 3 days on beach
10/11/09 Sun Bill
                                                                                                                 no new tracks
10/12/09 Mon
                                                                                                                  no new tracks
               Joan
10/13/09 Tue Phyllis
                                                                                                                 # 8 hatch - turtle 20
#9 hatch - turtle 19
10/14/09 Wed Scot
10/15/09 Thu Katie & Helen
                                                                                                                  1 track from hatch #9
10/16/09 Fri Joe, Bill, Frances
                                                                                                                 no new tracks
                                                                                                                 Dug hatch #8 - nest #20 63 empty shells, 5 dead partially hatched, 3 undeveloped, 2 very small unhatched
                                                                                                                 Dug hatch #9 - nest #19- 72 empty shells, 3 undeveloped, 1 live
10/17/09 Sat Frances Ort
10/18/09 Sun
                                                                                                                 no new tracks
10/19/09 Mon Katie
                                                                                                                 no new tracks
10/20/09 Tue Frances Ort
                                                                                                                 no new tracks
10/21/09 Wed Scot
                                                                                                                 no new tracks
10/22/09 Thu Lil
                                                                                                                 no new tracks - chain gate down, section of fence cut - next to section Brian fixed
10/23/09 Fri
                Mike
                                                                                                                 no new tracks
10/24/09 Sat Lil
10/25/09 Sun Bill
                                                                                                                  no new tracks
                                                                                                                 no new tracks
10/26/09 Mon Phyllis
10/27/09 Tue Lil
                                                                                                                  no new tracks
                                                                                                                 #10 hatch - nest #23
10/28/09 Wed Scot
                                                                                                                 #11 hatch - nest #25
10/29/09 Thu Lil
                                                                                                                  1 more track from hatch #11
10/30/09 Fri
               Mike
                                                                                                                 no new tracks/ 1 young tropic bird on sand - seemed healthy
10/31/09 Sat
 11/1/09 Sun Bill, Frances, Mike, Helen, & Lil
                                                                                                                 dig #23 - hatch 10 - 51 empty shells, 12 endeveloped
                                                                                                                 dig #25 - hatch #11 - 70 empty shells, 8 dead partially hatched, 3 undeveloped
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beach not checked

no new tracks

11/2/09 Mon

9/1/09 Tue Lil

		dug #28 - 67 empty shells, 5 live, 3 undeveloped, 2 very small undeveloped
11/15/09 Sun	Bill, Frances, Frances O, Helen, Katie, Joe &daughter & grand son, Mike & Lil plus guests Buch &	big surf #27 wet no tracks from 26
11/14/09 Sat		not checked
11/13/09 Fri	Mike	no tracks # 27 wet - big surf
11/12/09 Thu	Lil	no new tracks - big surg - #27 wel
11/11/09 Wed	Scot	no new tracks
11/10/09 Tue	Lil	no new tracks 7 tracks still visible from #28
11/9/09 Mon	Joan	#28 only a few tracks - exit area unclear
11/8/09 Sun	Bill	no new tracks
11/7/09 Sat	Lil	no new tracks
11/6/09 Fri	Mike	no new tracks
11/5/09 Thu	Lil	road too wel
11/4/09 Wed	Scot	road too wel
11/3/09 Tue		beach not checked

11/18/09 Wed luncheon & plaque for Joan - George picked the rest of the frozen remains

2009 Nesting Green Sea Turtle Survey Kawa'aloa Bay, Molokai, Hl.

All Trips In -

Nests dug	Excavation #	Map ID	Aborted Tracks	Map ID		Map ID East to W	Landmarks est
						Α	Pavillion
5/20/2009			Al	S			East End
5/30/2009	1	Ε				С	Pavillion entrance
06/01/09			A2	R			
06/01/09			A3	S		D	First Path Down
06/03/09	2	K/L				E	Last Path Down
06/04/09			A4	Н	9am see pics	F	Dead Naupaka
06/06/09			A5	I/J	possilbe exc - wind swept all acitivty	G	Dick's Path Down
06/07/09	3	H/I	A6	E/F		Н	Morning Glory East
06/08/09	4	G				I	Aik Grass
06/13/09			A7	R/S		J	Morning Glory West
06/14/09			A8	Ν		K	Cement Block
06/15/09			A9	N		L	Gravel Hill
06/15/09			A10	N		M	Fence Post
06/15/09			A11	N		N	River
06/16/09			A12	Н		0	Swale 1
06/16/09	5	М	A13	Q		Р	Swale 2
06/20/09			A14	Α		Q	White Cliff
06/20/09			A15	S		R	Turtle Industry
06/21/09	6	F				S	Kaiehu Rock
06/21/09	7	I/J					
06/22/09	8	S					
06/25/09			A16	R/S			
06/28/09			A17	D/E			
06/28/09			A18	S			
07/0109	9a	D/E			unrecorded nest washed out by high surf		
07/04/09	9	I					
07/07/09			A19	E/H			
07/07/09			A20	R/S			
07/07/09	10	S					
07/08/09	11	H/I					
07/14/09			A21	N			
07/15/09			A22	Н			
07/18/09	12	K					
07/19/09			A23	R/S			

07/25/09	13	J		
07/25/09	14	S		
07/26/09	15	М		
07/27/09			A24	S
07/30/09	16	F	A25	S
08/13/09			A26	С
08/13/09	17	E/F		
08/13/09	18	G		
08/13/09	19	I		
08/13/09	20	I/J		
08/13/09	21	Q/R		
08/13/09	22	S		
08/21/09			A27	S
08/26/09	23	Н	A28	L
08/27/09			A29	M
08/28/09	24	0	A30	N/O
08/28/09			A31	R/S
08/29/09	25	0		
09/09/29	26	B/C		
09/09/09	27	J/K		
09/10/09	28	D/E		
09/16/09			A32	S
9/16/2009			A33	S
9/17/2009			A34	S
10/1/09			A35	S
10/3/09			A36	S
10/4/09			A37	S

Date	Nest #	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	spoiled/	Dead	Live	Successful
		Location		(60 days)		Incubated				undeveloped			Hatches
				` ,									
5/30/2009	1	Е	2	30-Jul									
06/03/09	2	K/L	1	2-Aug									
06/06/09	A5	I/J	1?	5-Aug	8/9	64	2	08/14/09	70	14	1	2	55
06/07/09	3	H/I	1	6-Aug									
06/08/09	4	G	2	7-Aug	8/9	62	1	08/14/09	75				75
06/16/09	5	M	1	15-Aug									
06/21/09	6	F	2	20-Aug	8/24	64	3	08/28/09	75	1	4		70
06/21/09	7	I/J	2	20-Aug									
06/22/09	8	S	2	21-Aug									
07/01/09	9a	D/E	1?										
07/04/09	9	I	2	2-Sep	9/4	62	4	09/09/09	88	1	3		84
07/07/09	10	S	2	5-Sep									
07/08/09	11	H/I	2	6-Sep	9/6	60	5	9/9/2009	65	2	9	2	54
07/18/09	12	K	3	16-Sep	9/19	63	6	9/24/2009	66				66
07/25/09	13	J	2?	23-Sep									
07/25/09	14	S	2	23-Sep									
07/26/09	15	М	3	24-Sep									
07/30/09	16	F	3	28-Sep	9/26	59	7	10/2/2009	61	5			56
08/13/09	17	E/F	1	12-Oct									
08/13/09	18	G	1	12-Oct									
08/13/09	19	ı	1	12-Oct	10/14	63?	9	10/16/09	75	3		1	72
08/13/09	20	I/J	3	12-Oct	10/13	61?	8	10/16/09	71	3	5		63
08/13/09	21	Q/R	3	12-Oct									
08/13/09	22	S	1	12-Oct									
08/26/09	23	Н	1	24-Oct	10/27	62	10	11/01/09	63	12			51
08/28/09	24	0	1	26-Oct									
08/29/09	25	0	1	27-Oct	10/28	60	11	11/01/09	81	3	8		70
09/09/09	26	B/C	1	8-Nov									
09/09/09	27	J/K	1	8-Nov									
09/10/09	28	D/E	4	9-Nov	11/09	60	12	11/15/09	70	3		5	67
totals	30								860	47	30	10	783
	notes :												
	A5				ctivity other th	an in the da	mp sand ne	ear the water - s	ame track widt	h as 1 & 2, a po	ssible ex	cavation	recorded
	5		er by high ti										
	8		er by high ti										
	9a				h tides - 4 egg	s recovered	from ocear	1					
	10		er by high ti										
	14		er by high ti										
	17 - 22				beach had no	t been chec	ked Aug 10	,12,12 - # 20 lo	ooked fresh				
	27	washed ov	er by high ti	des						·			

lp:u	lee0 00==	7		Particle of the second of the
Bill	553 - 9857	4	0 - 00	hatches due
Kathy	553 - 5458	4		#13 - in dune above - 20ft SE of West Morning Glory (J)
Mike	553 - 4405	4		#14 – Kaiehu Rock (S)
Scot	567 - 6796	4	Sep 24	#15- 3 exc, all marked - all NW of Cement Blk - last one? - 55 ft NE of Last Fence Post (M), 120 ft W Cement Block
Phyllis	553 - 4489	4		#16– 10 ft NE of Dead Naupaka (F)
Frances Ort	558 - 8996	4		#17 – 40 ft W of Last Path (E)
Helen Coelho	567 - 6468	4		#18 – 20 ft SE of Dick's Path (G)
Katie Leong	553 - 5269	4		#19 – 60 ft NE of Aki Grass (I)
		4		#20 – 60 ft NE of W Morning Glory (J)
		<u> </u>		#21 – 60 ft NE of Turtle Ind (R)
		4	Oct 12	#22 – 29 ft S of Kaiehu rock (S) beside #8 & #14
		4		
	<u> </u>			
Sep 25	Fri	Mike		
Sep 26	Sat	Kathy		
Sep 27	Sun	Bill		
•				
Sep 28	Mon	Joan		-
Оер 20	INION	Joan		
000	T	Discollin		
Sep 29	Tue	Phyllis		
Sep 30	Wed	Bill		
Oct 1	Thu	Katie		
Oct 2	Fri	Mike		
	1	mino		
0-12	Cot	Kathy		
Oct 3	Sat	Kathy		
	<u> </u>			
Oct 4	Sun	Bill		
Oct 5	Mon	Joan		
Oct 6	Tue	Frances Ort		
	1.40	aooo ort		
			l	

Oct 7	Wed	Bill
Oct 8	Thu	Katie
Oct 9	Fri	Mike
Oct 10	Sat	Kathy
	- Cut	
Oct 11	Sun	Bill
00011	Juli	
Oct 12	Mon	Joan
OCT 12	IVIOII	
Oct 13	Tue	Phyllis
OCI 13	lue	Frityins
Oct 14	Wed	Scot
OCI 14	vveu	
Oct 45	Thu	Katie
Oct 15	Inu	Natie
0:140		
Oct 16	Fri	Mike
Oct 17	Sat	Frances Ort
	1_	<u></u>
Oct 18	Sun	Bill
Oct 19	Mon	Katie
Oct 20	Tue	Frances Ort
Oct 21	Wed	Scot

6/2/2009 tracks seen on Mike's beach - came part way up beach and turned back to water

2010	0		Keys	Ranch waiver
Mon Tues Wed Thurs	Lil Macmillan Joan Aidem Scot Shafer Lil Macmillan	553-5641 567-6796	yes yes yes	yes yes yes
Friday Thurs Sunday	Mike Grinnell Kathy Tachibana Bill Feeter	553-4405 553-5458 553-9857	no yes yes	yes yes yes
	Backup Phyliss Siu Katie Leong Helen coelho Frances Ort Joe Kitagawa Dave & Brenda Hubka Debra Maple	552-0135 658-0885 / 553-3200wrk	no no no no	yes yes yes yes yes

	lonitorin	g	est rtn	Track width Turtle #	# pits i	st Hatch	natcii Date i	natcii #	oubution	
04/02/10	Fri	Kathy		A1						pics - short crawls at west end of beach
04/02/10				A2						short track at water's edge Kaiehu Rock
04/06/10	Tues	Lil		A3						short track at water's edge Kaiehu Rock
				A4						short track at water's edge Kaiehu Rock
				A5						Short track at water's edge Kaiehu Rock - missing L hind flippe
04/09/10	Fri	Lil		A6						short track at water's edge - Kaiehu rock
				A7						short track at water's edge - Kaiehu rock
				A8						short track at water's edge - Kaiehu rock
				A9						short track at water's edge - Kaiehu rock
04/11/10	Sun	Bill		A10						short track at water's edge - Kaiehu rock
				A11						short track at water's edge - Kaiehu rock
04/13/10		Lil								no tracks
04/16/10	Fri	Lil		A12						short track at water's edge - Kaiehu rock
04/18/10	Sun	Bill		A13						short track at water's edge - Kaiehu rock
04/22/10	Thurs	Lil		A14						short track at water's edge - Kaiehu rock
				A15						short track at water's edge - Kaiehu rock - missing L hind flippe
04/23/10	Fri	Mike		A16						short track at water's edge - Kaiehu rock
	_			A17						short track at water's edge - Kaiehu rock
04/24/10	Sat	Kathy		A18						short track at water's edge - Turtle Ind
04/25/10	Sun	Bill								no tracks
04/27/10	Tues	Lil		445						no tracks
04/30/10	Fri	Mike		A19						short track at water's edge - Kaiehu rock
05/01/10	Sat	Kathy		A20						short track at water's edge - Kaiehu rock
05/00/40	e	Bill		A21						short track at water's edge - Kaiehu rock
05/02/10	Sun	וווט		A22 A23						short track at water's edge - Kaiehu rock short track at water's edge - Kaiehu rock
06/04/10	Tues	1.0								
05/04/10	Tues	LII		A24 A25						short track at water's edge - Kaiehu rock - missing L hind flippe short track at water's edge - Kaiehu rock
				A25 A26						snort track at water's edge - Kalenu rock short track onto dry sand - Kalehu rock
05/06/10	Thurs	1.0		A20 A27						short track onto dry sand - Kalend rock short track at water's edge - Kalend rock
05/07/10	Fri	Mike		A28						short track at water's edge - Kaiehu rock
03/07/10	FII	WIIKE		A29						short track at water's edge - Turtle Ind
05/09/10	Sun	Bill		A30						short track at water's edge - Kaiehu rock
00/00/10	oun	D		A31						short track at water's edge - Kaiehu rock
05/11/10	Tues	Lil		A32						short track at water's edge - Kaiehu rock
				A33						short track at water's edge - Kaiehu rock - missing L hind flippe
05/13/10	Thurs	Lil								no tracks
05/14/10	Fri	Mike		A34						short track at water's edge - Aki Grass
				A35						short track at water's edge - Kaiehu rock
				A36						short track at water's edge - Kaiehu rock
05/15/10	Sat	Kathy	29-May	1	2	7/14				North of Aki Grass
05/16/10	Sun	Bill	30-May	2	3	7/15	25-Jul	1	70	last one 10 E of Cement Block
05/17/10	Mon	Lil		A37						short track at water's edge - Kaiehu rock
05/18/10	Tue	Joan		A38						short track at water's edge - Turtle Ind
05/19/10	Wed	Scot		A39						short track at water's edge - Kaiehu rock
05/20/10	Thu	Lil		A40						short track at water's edge - Kaiehu rock
05/21/10	Fri	Mike		A41						short track at water's edge - Kaiehu rock
05/22/10	Sat	Kathy								no tracks
05/23/10	Sun	Bill								no tracks
05/24/10	Mon	Lil		A42						short track at wate's edge - btw Kaiehu rock and Turtle Inc
05/05/40	T			A43						short track at water's edge - Kaiehu rock - missing L hind flippe
05/25/10	Tue	Joan		0.44						no tracks
05/26/10 05/27/10	Wed Thu	Scot Lil		A44						short track at water's edge - Kaiehu rock
	Fri	Mike								no tracks no tracks
05/28/10 05/29/10	Fri Sat	Mike Kathy								no tracks
05/29/10	Sat	Kathy Bill								no tracks no tracks
03/30/10	Suii	DIII								no tracks
05/31/10	Mon	Lil	14-Jun	3	2	7/30				windblown tracks - both exc marked 3-1 10ft W of Dicks Path Down, 3-2 15ft N of East M Glory
20.01/10			14-Jun	3	1	7/30	1-Aug	2	62	btw East M Glory and Aki Grass, 20ft N of dune
			17-0011	A45			. Aug	-		short track at water's edge - Kaiehu rock
				A46						short track at water's edge - Kaiehu rock
				A47						short track at water's edge - Kaiehu rock
06/01/10	Tue	Joan		A48						short track at water's edge - Turtle Ind
				A49						short track at water's edge - Kaiehu rock
06/02/10	Wed	Scot	16-Jun		2	8/1	10-Aug	3	69	32 ft N of E Morning Glory
06/03/10	Thu	Lil					•			no tracks
06/04/10	Fri	Mike								no tracks
06/05/10	Sat	Kathy								no tracks
06/06/10	Sun	Bill								no tracks
06/07/10	Mon	Lil								no tracks
06/08/10	Tues	Joan								no tracks
06/09/10	Wed	Scot								2 short tracks Kaiehu rock & btw Kaiehu rock & Turtle Inc
06/10/10	Thurs	Lil								rained out
06/11/10	Fri	Mike		A50						short track at water's edge - Kaiehu rock
				A51						short track at water's edge - Kaiehu rock
06/12/10	Sat	Kathy								no tracks
06/13/10	Sun	Bill		A52						short track at water's edge - Kaiehu rock - missing L hind flippe
	Mon	Lil		A53						short track at water's edge -White Cliff
06/14/10				A54						short track at water's edge - Kaiehu rock
06/15/10	Tues	Joan	29-Jun		3	8/14	21-Aug	4	67	Btw Ali Grass & W Morning Glory - 30 ft N of dune
	Tues Wed Thurs	Phyllis	29-Jun		3	8/14	21-Aug	4	67	

06/18/10	Fri	Mike		18	7	2	8/17					1st hole West and beside #6, 2nd hole 35 ft W of #6 - 65 ft NE of West Morning Glory
06/19/10	Sat	Kathy		A56	8	3	8/18					in wet sand below Swale on∈ 1st - N East Morn GI, 2nd N of East Morn gI, 3rd very shallow
		,		A51								below first path down in wet sanc
06/20/10	Sun	Bill	4-Jul	A58	9	2	8/19	unknown		5		below first path down in wet sanc 36 ft N E of Dead Naupaka
06/21/10	Mon	Lil										no tracks
06/22/10 06/23/10	Tues Wed	Joan Scot		A59)							no tracks short track at water's edge - Kaiehu rock
				A60								short track at water's edge - Kaiehu rock
06/24/10	Thurs	Lil		A61								short track at water's edge - Kaiehu rock short track at water's edge - Kaiehu rock - missing L hind flippe
06/25/10	Fri	Mike		A63								short track at water's edge - Kaiehu rock
06/26/10	Sat	Kathy		A64								short track at water's edge - Kaiehu rock no tracks
06/27/10	Sun	Joe Lil		A6	5							short track at water's edge - Kaihehu rock
06/28/10 06/29/10	Mon Tues	Joan	13-Jul		10	2	8/28					no tracks 40 ft N of Swale 2
06/30/10	Wed	Scot	14-Jul	***	11	2	8/29					22 ft N Aki Grass
07/01/10	Thurs	Lil	15-Jul	A66	12	3	8/30					long track river to swale 2 long track many attempts, 3 exc, marked 2 - doubtful any eggs left
			40.1.1	A67			0/04					short track at water's edge - Kaiehu rock
07/02/10	Fri	Mike	16-Jul	A68	13	8	8/31	2-Sep		6	62	btw last path down and D Naupaka 45 ft from base of dune/ 50 ft NE from D Naupaka short track at water's edge - Kaiehu rock
				A69								short track at water's edge - Kaiehu rock
07/03/10 07/04/10	Sat Sun	Lil Phyllis										no tracks no tracks
07/05/10	Mon	Lil		A70)							in wet sand below West Morning Glory
07/06/10	Tue	Joan	20-Jul		14		9/4					very long track many dig attempts, last one dug? - btw East Morn GI & Aki Gr - 55 ft from dune - 37in track
				A7								very long track many dig attempts btw E Morn gl & Aki Gr - 37 in track
07/07/10	Wed	Scot		A72								long track with 2 very shallow pits btw Dicks Path and E Morning glr - 37 in trac short track at water's edge - Kaiehu rock
07/08/10	Thu	Lil	22-Jul		15	1	9/6	7-Sep		7	61	btw D Naupaka & Dick's Path 16 ft from dune - 41 in track
			22-Jul		16	2	9/6					btw Ali Grass & W Morning Glory - 1) under log 60 ft N of dune / 80ft E of C block - 2) 25 ft N of dune
			LL oui	A74	1	-	0.0					very long track in flat N of River - 37 in track
07/09/10 07/10/10	Fri Sat	Lil Kathy		A75	5							short track at water's edge - Kaiehu rock - missing L hind flippe no tracks
07/11/10	Sun	Frances Ort										no tracks
07/12/10 07/13/10	Mon Tue	Lil Joan										no tracks
07/14/10	Wed	Scot										no tracks
07/15/10 07/16/10	Thu Fri	Lil Mike	30-Jul		17	1	9/14	19-Sep	8		65	no tracks 40 ft NE of W Morning GI / 13ft N of dune
			00 001	A76			0.14	. о оор	٠		•••	Pavillion entrance up to edge of dunε
07/17/10 07/18/10	Sat Sun	Lil Frances Ort										no tracks flat tire - didn't get to beach
07/19/10	Mon	Lil										no tracks
07/20/10 07/21/10	Tue Wed	Joan Scot										dead battery - didn't get to beach no tracks
07/22/10	Thu	Lil		A7								short track at water's edge - Kaiehu rock
07/23/10	Fri	Mike		A78								20 ft E of 1st path, up onto path Last path down - up to grass
				A80								River - below high water
07/24/10	Sat	Frances Ort	7-Aug	A8°	18	2	9/22	28-Sep	9		66	5 ft W of Cement Block short track at water's edge - Kaiehu rock
07/25/10	Sun	Phyllis										hatch #1 - turtle #2 - exit swept
07/26/10	Mon	Lil										several more tracks, rained after exit - hard to count - at least 6 fresh tracks to water - exit swept
07/27/10	Tue	Joan										no new tracks
07/28/10	Wed	Scot		A82	2							basking turtle at kaiehu rock - seen by George Balazs Tues evening, 1 hatchling track from hatch 1, · George ok'd digging Thursday
07/29/10	Thu	Lil, Joan, & Helen		7102								dig hatch#1/turtle #2 - 3 live, 3 undeveloped, 67 empty shells, no new track:
07/30/10	Fri	Mike	13-Aug		19	1	9/28					6 ft west of East Morning Glory-in the dune - gave George Balazs 3 undeveloped eggs from hatch #1
07/31/10	Sat	Kathy	14-Aug		20	i	9/29	3-Oct	10		64	40 ft North of East Morning Glory
08/01/10 08/02/10	Sun Mon	Frances & Bill										hatch #2 - turtle #4 - found dead hatchling at shoreline - in feeter's freeze no new tracks
08/03/10	Tue	Joan										no new tracks
08/04/10 08/05/10	Wed Thu	Helen & Katie Phyllis										no new tracks no new tracks
08/06/10	Fri	Mike, Bill, Fran			8 A84							dug #4, 84 empty shells, 2 spoiled - 2 aborted tracks below high water at west end of beach
08/07/10 08/08/10	Sat Sun	Kathy Frances & Bill		A85 A86								short track at water's edge - Kaiehu rock short track at water's edge - Kaiehu rock
08/09/10	Mon	Helen & Katie	23-Aug		21	1	10/8	13-Oct	11		65	50 ft N of dune between W morn gl & Aki Grass
08/10/10 08/11/10	Tue Wed	Joan Frances Ort		A87	7 A88							Hatch #3 - nest #5, 2 aborted tracks below high water - Turtle Ind & Kaiehu rock no new tracks
08/12/10	Thu	Phyllis										no new tracks
08/13/10 08/14/10	Fri Sat	Mike,Bill,Fran Kathy										dug #5, 76 empty shells, no new tracks no new tracks
08/15/10	Sun	Frances & Bill	29-Aug		22	3	10/14	15-Oct	12		61	50 ft E of W morning glory, 50 ft N of dune
08/16/10 08/17/10	Mon Tue	Helen & Katie Joan										no new tracks no new tracks
08/18/10	Wed	Scot										no new tracks
08/19/10	Thu	Frances Ort										no new tracks

08/20/10	Fri	Mike							no new tracks
08/21/10	Sat	Kathy							Hatch #4, nest #6
08/22/10	Sun	Frances & Bill	A89						short track at water's edge - Kaiehu rock
08/23/10	Mon	Phyllis							no new tracks
08/24/10	Tue	Joe							no new tracks, dead buck at water's edge - presumed drowned no visible injuries
08/25/10	Wed	Bill,Fr,Joe,Suki							Dug nest #6 - 83 empty shells, 1spoiled, 1dead,1 live, no new tracks
08/26/10	Thu	Lil 9-Sep	23	2	10/25	29-Oct	13	64	36 ft n of East Morning GI
08/27/10	Fri	Mike		-		20 000		•	no new tracks
08/28/10	Sat	Kathy							no new tracks
08/29/10									no new tracks
	Sun	Bill & Frances							
08/30/10	Mon	Lil	24	1	10/29				Between Dick's Path & East Morning Glory - in dun€
08/31/10	Tue	Bill	25	4	10/30				28 N or Dick's Path
09/01/10	Wed	Scot 15-Sep	26	1	10/31	2-Nov	14		next to #21 - 50 ft N of Aki Grass
			27	3	10/31				100 ft N of fence post - shallow excavations
									Turtle #13 - Hatch #6 -(<u>9/21 changed to hatch #6 re Turtle #9</u>), 2 short tracks Kaiehu & turtle
09/02/10	Thu	Lil	A90A91						Industry
09/03/10	Fri	Mike	71007101						no tracks
09/04/10	Sat	Lil	A92A93						short tracks below high water - turtle ind & Kaiehi
			M32M33						
09/05/10	Sun	Bill & Frances							no new tracks
09/06/10	Mon	Lil & Bill Purdue	A94						short track below high water - missing L flipper - Kaiehu rock
									Hatch #7 - nest 15, dug nest 13 - Hatch #6 - 80 empty shells, 2 dead, 5 undeveloped - in Lil's
09/07/10	Tue	Lil, Bill & Frances							freezer (9/21 changed to Hatch #7 re nest #9
09/08/10	Wed	Scot							more tracks from #15
09/09/10	Thu	Lil							6 more tracks from #15
09/10/10	Fri	Mike							3 more tracks from #15
09/11/10	Sat	Kathy							4 more tracks from #15
09/12/10	Sun	Bill							no new tracks
09/13/10	Mon	Lil & Purdues							no new tracks
09/14/10	Tue	Lil & Diane Pike							no new tracks
09/15/10	Wed	Bill,Fr,Lil, Purdues							no new tracks, Bill, Frances, Purdues, & Lil - dig # 15 - 61 empty, 4 undeveoped, 4dead, 16 livi
09/16/10	Thu	Lil	A95						track onto dry sand North of Gravel Hill east of #27
09/17/10	Fri	Mike	28	1	11/16	21-Nov	15		30 ft North of East morning Glory
09/18/10	Sat	Diane Pike							no new tracks
09/19/10	Sun	Bill							Hatch #8 - Nest #17 - (9/21 changed to <u>HATCH #8</u> Re Nest #9)
09/20/10	Mon	Diane Pike							no new tracks
									1 short track at Kaiehu Rock, dug nest #9 - no hatch reported - found 55 empty shells -
09/21/10	Tue	Lil & George	A96						renumbered hatches to include #9 as hatch #6
03/21/10	iue	Lii & George	AJO						renumbered fracties to frictione #5 as fracti #6
									Bill, Frances, Bill, Barb, Kathy, Joe, Joan, Lil & George - guests - Joe's son, daughter inlaw, 2
									grandchildren, Kathy'daughter,son inlaw,grandson, Purdue's neighbors ? Turner & Tom Larson
09/22/10	Wed	Scot							no new tracks
09/23/10	Thu	Lil							no new tracks
09/24/10	Fri	Mike							no new tracks
09/24/10	Fri	Mike							
09/24/10									no new tracks
09/25/10	Sat	Phyllis							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Shearwater area - reported to
									no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Shearwater area - reported to Russell no new tracks
09/25/10 09/26/10	Sat Sun	Phyllis Bill							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Sheanwater area - reported tc Russell no new tracks no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced
09/25/10 09/26/10 09/27/10	Sat Sun Mon	Phyllis Bill Lil							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Shearwater area - reported to Russell no new tracks no new tracks no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced when #28 was excavated)
09/25/10 09/26/10 09/27/10 09/28/10	Sat Sun Mon Tue	Phyllis Bill Lil Joan							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Sheanwater area - reported to Russell no new tracks no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced when #28 was excavated) Hatch #9 - nest #18 high tides washed within 10 ft of nest - not able to ID the exi
09/25/10 09/26/10 09/27/10 09/28/10 09/29/10	Sat Sun Mon Tue Wed	Phyllis Bill Lil Joan Scot							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Sheanwater area - reported tc Russell no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced when #28 was excavated) Hatch #9 - nest #18 high titdes washed within 10 ft of nest - not able to ID the exi no new tracks - saw tracks from #18 - thought exit was 1 ft East of east tim of excavatior
09/25/10 09/26/10 09/27/10 09/28/10 09/29/10 09/30/10	Sat Sun Mon Tue Wed Thu	Phyllis Bill Lil Joan Scot Lil							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Sheanwater area - reported to Russell no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced when #28 was excavated) Hatch #9 - nest #18 high tides washed within 10 ft of nest - not able to ID the exi no new tracks - saw tracks from #18 - thought exit was 1 ft East of east rim of excavatior no new tracks - heavy rain had obscurded all tracks, no trace of exit area from #11
09/25/10 09/26/10 09/27/10 09/28/10 09/29/10 09/30/10 10/01/10	Sat Sun Mon Tue Wed Thu Fri	Phyllis Bill Lii Joan Scot Lii Mike, Lii, Bill, Frances & Joan							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Sheanwater area - reported tc Russell no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced when #28 was excavated) Hatch #9 - nest #18 high tides washed within 10 ft of nest - not able to ID the exi no new tracks - saw tracks from #18 - thought exit was 1 ft East of east rim of excavatior no new tracks - heavy rain had obscured all tracks, no trace of exit area from #11 dug #17 81 impty shells, 1 undeveloped - in Lill's freeze, dug #18 - unable to find shell
09/25/10 09/26/10 09/27/10 09/28/10 09/29/10 09/30/10 10/01/10 10/02/10	Sat Sun Mon Tue Wed Thu	Phyllis Bill Lil Joan Scot Lil							no new tracks no new tracks - saw 2 pit bull type dogs running free in preserve near Sheanwater area - reported to Russell no new tracks - missing center stakes for nests 20 & 23 - restaked (stakes may have been displaced when #28 was excavated) Hatch #9 - nest #18 high tides washed within 10 ft of nest - not able to ID the exi no new tracks - saw tracks from #18 - thought exit was 1 ft East of east rim of excavatior no new tracks - heavy rain had obscurde all tracks, no trace of exit area from #11 dug #17 81 empty shells, 1 undeveloped - in Lil's freezer, dug #18 - unable to find shell no new tracks
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11/03/10 Wed Scot
11/04/10 Thu Lil
11/05/10 Fri Mike
                                                                                                                                                                                                                  no new tracks 
rained out
                                                                                                                                                                                                                   rained out
 11/06/10 Sat Kathy
                                                                                                                                                                                                                   no new tracks
                                                                                                                                                                                                                   dug #21 - 71 empty,2 undevloped,12 dead (saved 8 - 4 very decomposed),4 live - released to ocean dug #26 - 73 empty, 4 undeveloped,1 live - released to ocear beach not checked - next hatch due 11/16
 11/07/10 Sun Bill, Fr, Joan, Diane & Lil
 11/08/10 Mon Lil
11/09/10 Tue Joan
11/10/10 Wed Scot
11/11/10 Thu Lil
11/12/10 Fri Mike
11/13/10 Sat Kathy
                                                                                                                                                                                                                   beach not checked - next hatch due 11/16
beach not checked - next hatch due 11/16
beach not checked - next hatch due 11/16
                                                                                                                                                                                                                  beach not checked - next hatch due 11/16
beach not checked - next hatch due 11/16
 11/14/10 Sun Bill
                                                                                                                                                                                                                  no tracks/ found old nest washing out - 26paces East of last path down - most recent nest in that locatior #12 2007 - no hatch recorded
 11/15/10 Mon Lil
11/15/10 Mon Lil
11/16/10 Tue Joan
11/17/10 Wed Scot
11/18/10 Thu Lil
11/19/10 Fri Mike
11/20/10 Sat Kathy
11/21/10 Sun Bill
11/22/10 Mon Lil
                                                                                                                                                                                                                  no tracks
no tracks
no tracks
                                                                                                                                                                                                                   no tracks
no tracks
Hatch #15 - Nest #28
 11/22/10
11/23/10
11/24/10
                                                                                                                                                                                                                   no new tracks
unable to check beach
unable to check beach
                   Tue Joan
Wed Scot
 11/25/10 Thu Lil
11/26/10 Fri Joan, Lil, Bill & Fr, Diane & Kathy
                                                                                                                                                                                                                   dug nest #28 - 79 emtpy shells 7 undeveloped
                                                                                                                                                                                                                   sent frozen remains to George Balazs from nests #17,21,22,23,26,& 28
 11/29/10
```

All Trips In -

Activity	Excavation					
Date	ID#	Map ID	Aborted Tracks	Map ID	Map ID	Landmarks
					East to V	
4/2			A1	S	Α	Pavillion
4/2			A2	S		East End
4/6			A3	S	С	Pavillion entrance
4/6			A4	S		
4/6			A5	S	D	First Path Down
4/9			A6	S	Е	Last Path Down
4/9			A7	S	F	Dead Naupaka
4/9			A8	S	G	Dick's Path Down
4/9			A9	S	Н	Morning Glory East
4/11			A10	S	1	Aki Grass
4/11			A11	S	J	Morning Glory West
4/16			A12	S	K	Cement Block
4/18			A13	S	L	Gravel Hill
4/22			A14	S	M	Fence Post
4/22			A15	S	N	River
4/23			A16	S	0	Swale 1
4/23			A17	S	Р	Swale 2
4/24			A18	R	Q	White Cliff
4/30			A19	S	R	Turtle Industry
5/1			A20	S	S	Kaiehu Rock
5/1			A21	S		
5/2			A22	S		
5/2			A23	S		
5/4			A24	S		
5/4			A25	S		
5/4			A26	S		
5/6			A27	S		
5/7			A28	S		
5/7			A29	R		
5/9			A30	S		
5/9			A31	S		
5/11			A32	S		
5/11			A33	S S		
0/11			7100	J		

5/14			A34	1
5/14			A35	S
5/14			A36	S
5/15	1	I		
5/16	2	K		
5/17			A37	S
5/18			A38	R
5/19			A39	S
5/20			A40	S
5/21			A41	S
5/24			A42	R/S
5/24			A43	S
5/26			A44	S
5/31	3	GΗ		
5/31	4	H/I		
5/31			A45	S
5/31			A46	S
5/31			A47	S
6/1			A48	R
6/1			A49	S
6/2	5	Н		
6/11			A50	S
6/11			A51	S
6/13			A52	S
6/14			A53	Q
6/14			A54	S
6/15	6	I/J		
6/17			A55	S
6/18	7	J		
6/18			A56	0
6/19	8	Н		

Date	Nest #	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #		Dig Date	Dig Count	spoiled/	Dead	Live	Successful
		Location		(60 days)		Incubated					undeveloped			Hatches
				` ,										
May 15/10	1	I	2	14-Jul										
May 16/10	2	K	3	15-Jul	7/25	70	1		7/29	70	3		3	67
May 31/10	3	G&H	2	30-Jul										
May 31/10	4	H/I	1	30-Jul	8/01	62	2		8/6	86	2			84
June 2/10	5	Н	2	1-Aug	8/10	69	3		8/15	76				76
6/15/10	6	I/J	3	14-Aug	8/21	67	4		8/25	84	1	1	1	82
6/18/10	7	J	2	17-Aug										
6/19/10	8	Н	3	18-Aug										
6/20/10	9	F	2	19-Aug	? *		5		9/21	55				55
6/29/10	10	Р	2	28-Aug										
6/30/10	11	1	2	29-Aug										
7/1/10	12	0	3	30-Aug										
7/2/10	13	E/F	8	31-Aug	9/2	62	6		9/7	85	5	2		78
7/6/10	14	H/I	1	4-Sep										
7/8/10	15	F/G	1	6-Sep	9/7	61	7		9/12	65	4	4	16	57
7/8/10	16	I/J	2	6-Sep										
7/16/10	17	J	1	14-Sep	9/19	65	8		10/1	82	1			81
7/24/10	18	K	2	22-Sep	9/28	66	9		10/1					
7/30/10	19	Н	1	28-Sep										
7/31/10	20	Н	1	29-Sep	10/3	64	10		10/7	72				72
8/9/10	21	I/J	1	8-Oct	10/13	65	11		11/7	73	2	12	4	59
8/15/10	22	J	3	14-Oct	10/15	61	12		10/20	76	3	1	2	72
8/26/10	23	Н	2	25-Oct	10/29	64	13		11/2	73	3			70
8/30/10	24	G/H	1	29-Oct										
8/31/10	25	G	4	30-Oct										
9/1/10	26	I	1	31-Oct	11/2	62	14		11/7	77	4		1	73
9/1/10	27	M/N	3	31-Oct										
9/17/10	28	Н	1	16-Nov	21-Nov	65	15		11/26	86	7			79
										1060	35	20	27	1005
					Average incba	64.5								
NOTES -					the hatch, for			21/10						
	Turtle #18	- hatch #9 -	exit area no	ot clear, unab	le to find shells	s when dug	Oct 1/10							

hatched	hatch due date	location for last excavation dug, unless otherwise noted
	14-Jul	5/15 - #1 - 2 excavations, 60 ft North of Aki Grass (I)
Jul 25	15-Jul	5/16 - #2 - 3 excavations, 10 ft east of Cement Block (K)
	30-Jul	5/31 - #3 - 2 excavations, #3-1 - 10 ft W Dicks Path (G), #3-2 -15 ft N of E Morn GI (H)
Aug 1	30-Jul	5/31 - #4 - 1 excavation, between E Morn GI (H) & Aki Gr (I) 10 ft N from base of dune
Aug 10	1-Aug	6/02 - #5 - 2 excavations, 32 ft N of East Morning Glory (H)
Aug 21	14-Aug	6/15 - #6 - 3 excavations, between Aki Grass & W Morning Glory - 30 ft N of dune
	17-Aug	6/18 - #7 - 2 excavations, 65 ft NE of W Morning Glory (J)
	18-Aug	6/19 - #8 - 3 excavations, 58 ft NE of E Morning Glory (H) - 2 exc marked 10 ft apart
??	19-Aug	6/20 - #9 - 2 excavations, 36 ft NE of Dead Naupaka (F)
	28-Aug	6/29 - #10 - 2 excavations, 40 ft N of Swale 2 (P)
	29-Aug	6/30 - #11 - 2 excavations, 22 ft N of Aki Grass (I)
	30-Aug	7/01 - #12 - 3 excavations, 60 ft N of Swale 1 (O) - marked 2 excavations
Sep 2	31-Aug	7/02 - #13 - 8 excavations, between Last Path (E) & D Naupaka (F) 45 ft from dune
	4-Sep	7/06 - #14 - 1 excavation, between E Morning GI (H) and Aki Gr (I) 55 ft from dune
Sep 7	6-Sep	7/08 - #15 - 1 excavation, between D Naupaka (F) & Dicks Path (G), 16 ft from dune
	6-Sep	7/08 - #16 - 2 excavations, between Aki Gr (I) & West Morn Glory (J) - marked both excavations
		- #16-1 - 60 ft N of dune & 80 ft E of C Block (K) #16-2 - 25 ft North of dune
Sep 19	14-Sep	7/16 - #17 - 1 excavation, 40ft NE of West Morn Glory (J), 13ft from dune
Sep 27	22-Sep	7/24 - #18 - 2 excavations, 5 ft West of Cement Block (K)
	28-Sep	7/30 - #19 - 1 excavation,6 ft west of East Morning Glory (H)- in dune
Oct 3	29-Sep	7/31 - #20 - 1 excavation, 40 ft North of East Morning Glory (H)
Oct 13	8-Oct	8/09 - #21 - 1 excavation, 50 ft N of Aki Grass (I)
Oct 15	14-Oct	8/15 - #22 - 3 excavations, 50ft E of West Morning Glory (J) - 50 ft N of dune
Oct 29	25-Oct	8/26 - #23 - 2 excavations, 36 ft N of East Morning Glory
	29-Oct	8/30 - #24 - 1 excavation, between Dicks P (G) & East Morning GI (H) in dune
	30-Oct	8/31 - #25 - 4 excavations, 28 ft N of Dick's path (G)
Nov 2	31-Oct	9/01 - #26 - 1 excavation, 50 ft N of Aki Grass (I)
	31-Oct	9/01 - #27 - 3 excavations, shallow - 100 ft N of Fence Post (M)
Nov 21	16-Nov	9/17 - #28 - 1 excavation, 30 ft North of East Morning GI (H)

hatched	hatch due date	location for last excavation dug, unless otherwise noted
	14-Jul	5/15 - #1 - 2 excavations, 60 ft North of Aki Grass (I)
Jul 25	15-Jul	5/16 - #2 - 3 excavations, 10 ft east of Cement Block (K)
	30-Jul	5/31 - #3 - 2 excavations, #3-1 - 10 ft W Dicks Path (G), #3-2 -15 ft N of E Morn Gl (H)
Aug 1	30-Jul	5/31 - #4 - 1 excavation, between E Morn GI (H) & Aki Gr (I) 10 ft N from base of dune
Aug 10	1-Aug	6/02 - #5 - 2 excavations, 32 ft N of East Morning Glory (H)
Aug 21	14-Aug	6/15 - #6 - 3 excavations, between Aki Grass & W Morning Glory - 30 ft N of dune
	17-Aug	6/18 - #7 - 2 excavations, 65 ft NE of W Morning Glory (J)
	18-Aug 19-Aug	6/19 - #8 - 3 excavations, 58 ft NE of E Morning Glory (H) - 2 exc marked 10 ft apart 6/20 - #9 - 2 excavations, 36 ft NE of Dead Naupaka (F)
	28-Aug	6/29 - #10 - 2 excavations, 40 ft N of Swale 2 (P)
	29-Aug	6/30 - #11 - 2 excavations, 40 ft N of Swale 2 (F)
	30-Aug	7/01 - #12 - 3 excavations, 60 ft N of Swale 1 (O) - marked 2 excavations
Sep 2	31-Aug	7/02 - #13 - 8 excavations, between Last Path (E) & D Naupaka (F) 45 ft from dune
OCP Z	4-Sep	7/06 - #14 - 1 excavation, between E Morning GI (H) and Aki Gr (I) 55 ft from dune
	6-Sep	7/08 - #15 - 1 excavation, between D Naupaka (F) & Dicks Path (G), 16 ft from dune
	6-Sep	7/08 - #16 - 2 excavations, between Aki Gr (I) & West Morn Glory (J) - marked both excavations
	0 004	- #16-1 - 60 ft N of dune & 80 ft E of C Block (K) #16-2 - 25 ft North of dune
	14-Sep	7/16 - #17 - 1 excavation, 40ft NE of West Morn Glory (J), 13ft from dune
	22-Sep	7/24 - #18 - 2 excavations, 5 ft West of Cement Block (K)
	28-Sep	7/30 - #19 - 1 excavation,6 ft west of East Morning Glory (H)- in dune
	29-Sep	7/31 - #20 - 1 excavation, 40 ft North of East Morning Glory (H)
	8-Oct	8/09 - #21 - 1 excavation, 50 ft N of dune, Aki Grass (I) & W Morning Glory(J)
	14-Oct	8/15 - #22 - 3 excavations, 50ft E of West Morning Glory (J) - 50 ft N of dune
	25-Oct	8/26 - #23 - 2 excavations, 36 ft N of East Morning Glory
	29-Oct	8/30 - #24 - 1 excavation, between Dicks P (G) & East Morning GI (H) in dune
	30-Oct	8/31 - #25 - 4 excavations, 28 ft N of Dick's path (G)
	31-Oct	9/01 - #26 - 1 excavation, 50 ft N of Aki Grass (I)
	31-Oct	9/01 - #27 - 3 excavations, shallow - 100 ft N of Fence Post (M)

MAY 16/10 1 no visible tags basking at E end of beach
June 29/10 1 tags basking at West end
July 14/10 1 tags basking at East end of beach

201	1		Keys	Ranch waiver
Russell	553-5236 ext 6589			
Mon	Joan Aidem	553-5641	yes	
Tues	Kathy Tachibana	553-5458		
Wed	Scot Shafer	567-6796	yes	
Thurs	Lil Macmillan			
Friday	Mike Grinnell	553-4405	no	
Saturday	Lil Macmillan			
Sunday	Bill Feeter	553-9857	yes	

Backup

Phyliss Siu Katie Leong Helen coelho

Diane Pike 567-6595

Joe Kitagawa

Dave & Brenda Hubka 552-0135

Debra Maple 658-0885 / 553-3200wrk

4/10/2011 Sun Bill & Frances A1 short basking tracks at west end of beach - monk seal basking against rocks - west end of beac	2011 Turtle M	Ionitorina	monitor	est rtn T	rack width Turtle#	# pits Est Hatch Hatch Date Hatch #	Incubation	Notes	
A				ostrui i		# pits Lat Hatell Hatell Date Hatell #	incubation		
Control Cont	04/11/11	Mon	Bill & Frances						very windy
March File March March	04/13/11	Wed							
March Marc			Lil,Kathy& Dan B	Bennet				no tracks, refreshed all markers	
Control Month	04/16/11								
Control Cont			Lil		A3			1 short basking track - Kaiehu rock	
Control Very Very			Kathy					no tracks	
According File	04/20/11	Wed	•						
Section Sect			Mike		A4				
Mary									
CAUTION March Ma			Bill & Frances					no tracks	
Author Control Cont	04/26/11	Tue	Kathy					no tracks	
August File Mane									
Control San			Mike					no tracks	
Content Mary Content Conten		Sat	Rill & Frances					no tracks	
Concess 1	05/02/11	Mon							
Control Thu	05/03/11		Kathy					no turtle tracks - ATV tracks not fresh	
COUNTY Table County Co	05/05/11	Thu							
Content			Mike					no tracks	
Section Total New Noting House at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - jour - feeth ATV tracks - co to Russel short to basking track at Kalehur rock - co to rocks - co to roc			Bill & Frances					no tracks	
March Marc			Kathy		AE			short hasking tracks at Kajahu rock - pics - fresh ATV tracks - cc to Russel	
OST-111 Ved OST-111 Ve	03/10/11	rue	Ratily					short basking tracks at Kaiehu rock - pics	
OST-111 File Mise	05/11/11	Wod			A7			short basking tracks at Kaiehu rock - pics	
OST-111 Sin OST-111 Fin OST-111 Wad OST-111 Wa									
Section Sect			Mike					no tracks	
OST-1711 Total Nation Total Nation N	05/15/11	Sun	Bill & Frances		A8			faint short basking track at Kaiehu rocł	
OSF18*11 Wed OSF19*11 Thu Wed OSF19*11 Thu Wed OSF19*11 Thu Wed OSF19*11 Thu Wed OSF19*11 Sun OSF19*11 Sun	05/16/11		Kathy						
OSF-111 Title			Ratily						
OSC 11	05/18/11								
Size			Mike					no tracks	
OSC2411 Mon	05/21/11		Dill & Eropoos		40			1 short hooking trook at Kajahu rook	
Mile			bill & Flatices		AS			I SHOTE BASKING BACK AT KAIRING TOOP	
OSZ8111 Thu Lit Diane A12 Short basking track at Kaiehu rock A13 Short basking track at Kaiehu rock A14 Short basking track at Kaiehu rock A15 Short basking track at Kaiehu rock A16 A17 A18 A17 A18 A18 A19 Short basking track at Kaiehu rock A18 A19	05/24/11	Tue	Kathy					short basking track at Kaiehu rock	
A13	05/25/11	Wed			AII				
Mike State State	05/26/11	Thu	Lil & Diane					short basking track at Kaiehu rock	
1					A14			short basking track at Kaiehu rock	
Size 1			Mike					no tracks	
D6/3/11 Tue	05/29/11	Sun	Bill & Frances					no tracks	
1			Kathu		A1E			short basking track - nic between R & S	
A17 Short aborted track - below high water 30 ft east of kaiehu roc	06/01/11	Wed							
DeliO3/11 Fri	06/02/11	Thurs	Lil						
D6/08/11 Wed D6/10/11 Thu D6/10/11 Fri Mike D6/10/11 Sat Li D6/10/11 Sun Bill & Frances D6/10/11 Thu D6/10/11	06/03/11	Fri	Mike						
06/9/11 Fri Mike	06/04/11 06/06/11	Sat Mon							
06/9/11 Fri Mike	06/00/11	Wod	1.0					no turtle tracke ATV tracke 1 -2 days old, drove length of heach & into dune areas - lots of doughnuts	
O6/11/11 Sat								The turbe tracks, ATV tracks 1 -2 days old, drove length of beach & line dune areas - lots or doughnus	•
GRI Sun Sill & Frances Sill & Sinch basking track at Kaiehu Rock Sinch basking track at Kaiehu Rock Sinch basking track at Kaiehu Rock Sill & Sinch basking track at Kaiehu Rock Sill &			Mike						
OFF Art Ved Ved	06/12/11								
06/15/11 Ved			Kathy					no tracke	
06/17/11 Fri Mike A19 Short basking track at Kaiehu Rock 06/18/11 Sat Li 06/18/11 Sat Li 06/18/11 Sun Bill & Frances A20 Short basking track at Kaiehu Rock 08/18/11 Tue Kathy no tracks 08/18/11 Tue Li A21 Short basking track at Kaiehu Rock 08/18/11 Tue Li A21 Short basking track at Kaiehu Rock 08/18/11 Fri Mike A22 Short basking track at Kaiehu Rock 08/18/11 Sat Li A23 Short basking track at Kaiehu Rock 08/18/11 Mort Bill & Frances & Joe A24 Short basking track at Kaiehu Rock 08/18/11 Mort Mort Mort Mort 08/18/11 Mort Mort Mort Mort Mort 08/18/11 Mort Mort Mort Mort Mort Mort 08/18/11 Mort Mort Mort Mort Mort Mort Mort Mort 08/18/11 Mort	06/15/11	Wed							
06/18/11 Sat Lil no tracks 06/19/11 Sun Bill & Frances A20 short basking track at Kaiehu Rock 06/20/11 Mon no tracks 6/20/11 Mol Lil A21 short basking track at Kaiehu Rock 06/23/11 Thu No R/24/11 Fri Mike A22 short basking track at Kaiehu Rock 06/23/11 Sat Lil A33 short basking track at Kaiehu Rock 06/22/11 Sun Bill & Frances & Joe A24 short basking track at Kaiehu Rock 06/22/11 Mon Bill & Frances & Joe A24 short basking track at Kaiehu Rock									
06/20/11 Mon 06/21/11 Tue Kathy no tracks 06/22/11 Wed Lil A21 short basking track at Kaiehu Rock 06/22/11 Thu 6/22/11 Fir Mike A2 06/22/11 Sat Lil A23 short basking track at Kaiehu Rock 06/22/11 Sun Bill & Frances & Joe A24 short basking track at Kaiehu Rock 06/22/11 Mon Short basking track at Kaiehu Rock Short basking track at Kaiehu Rock	06/18/11	Sat	Lil					no tracks	
06/21/11 Tue Kalthy no tracks 06/22/11 Wed Lil A21 short basking track at Kaiehu Rock 06/23/11 Thu File Mike A22 short basking track at Kaiehu Rock 06/25/11 Sat Jake Frances & Joe A23 short basking track at Kaiehu Rock 06/26/11 Mon Bill & Frances & Joe A24 short basking track at Kaiehu Rock			Bill & Frances		A20			short basking track at Kaiehu Rock	
06/22/11 Thu A21 short basking track at Kaiehu Rock 06/23/11 Thu Fin Mike A2 short basking track at Kaiehu Rock 06/25/11 Sat Lil A23 short basking track at Kaiehu Rock 06/26/11 Sun Bill & Frances & Joe A24 short basking track at Kaiehu Rock 06/27/11 Mon Short basking track at Kaiehu Rock A24	06/21/11	Tue							
06/24/11 Fri Mike A22 short basking track at Kaiehu Rock 06/25/11 Sat Lil A23 short basking track at Kaiehu Rock 06/26/11 Sun Bill & Frances & Joe A24 short basking track at Kaiehu Rock 06/27/11 Mon Mon A24 Short basking track at Kaiehu Rock	06/22/11				A21			short basking track at Kaiehu Rock	
06/25/11 Sat Lil A23 short basking track at Kaiehu Rock 06/25/11 Sun Bill & Frances & Joe A24 short basking track at Kaiehu Rock 06/27/11 Mon Mon A24 Short basking track at Kaiehu Rock	06/24/11	Fri							
06/27/11 Mon	06/25/11			loe				short basking track at Kaiehu Rock	
06/28/11 Tue Kathy A25 short basking track at Kaiehu Rock	06/27/11	Mon		000					
	06/28/11	Tue	Kathy		A25			short basking track at Kaiehu Rock	

				A26							short basking track at Kaiehu Rock
06/29/11 06/30/11	Wed Thu	Lil									no tracks
07/01/11	Fri	Mike									no tracks
07/02/11 07/03/11	Sat Sun	Lil Bill & Frances									didn't go - wet road, threatening cloud: no tracks
07/04/11	Mon										
07/05/11 07/06/11	Tue Wed	Kathy									no tracks
07/07/11	Thu	Lil		407							rain - didn't get oul
07/08/11 07/09/11	Fri Sat	Mike Lil		A27							short basking track at Kaiehu Rock no tracks
07/10/11 07/11/11	Sun Mon										
07/12/11	Tue	Kathy		A28							short basking track at Kaiehu Rock
07/13/11 07/14/11	Wed Thu	Lil									no tracks
07/15/11	Fri	Mike									no tracks
07/16/11 07/17/11	Sat Sun	Bill & Frances	31-Jul		1	2	9/15	17-Sep	1	62	40 ft NE of W Morning GI, 20 ft N of dune
07/18/11	Mon	Lil		A29 A30							short basking track at kaiehu rock short basking track at kaiehu rock
07/19/11	Tue	Kathy		A31							short basking track at kalehu rock
07/20/11 07/21/11	Wed Thu	Diane									no new tracks
07/22/11	Fri	Mike									no new tracks
07/23/11 07/24/11	Sat Sun	Bill & Frances		A32							short basking track at Kaiehu Rock
07/05/44				A33							short basking track at Kaiehu Rock
07/25/11 07/26/11	Mon Tue	Kathy									
07/27/11 07/28/11	Wed Thu	Diane									
07/29/11	Fri	Mike									
07/30/11 07/31/11	Sat Sun	Bill & Frances		A34							rain - Helen & katie didn't gτ shallow exc at edge of sand bank between B & ι
08/01/11	Mon	Helen & Katie	15-Jul	A35	2	1	9/29				N of B - on edge of sand bank
				A35	3	2	9/29				last path down - tracked up to dun∈ 40 paces NW of Cement Block near high tide zone
08/02/11	Tue	Kathy			4	1	9/29				between White cliff & turtle ind - near high tide zone
08/03/11	Wed	Phyllis	17-Jul		5	1	10/1	10/3	2	62	80 ft NE of last path down
08/04/11 08/05/11	Thu Fri	Diane Mike									
08/06/11	Sat										
08/07/11 08/08/11	Sun Mon	Bill & Frances									7/31 exc & #2 washed out
08/09/11 08/10/11	Tue	Kathy Lil		A36							basking track at Kaiehu rock
08/11/11	Wed Thu	Diane									no new tracks
08/12/11 08/13/11	Fri Sat	Mike									no new tracks
08/14/11	Sun	Bill & Frances									no new tracks
											no new tracks, walked to end of Preserve to look for excavation reported to have been dug 8/10 - nothir clear, one shallow area that may have been a shallow excavation at very end by cliffs at highest part of
08/15/11	Mon	Lil & Helen									sand near rocks
08/16/11	Tue										btwn first & last paths down - 100 ft E of \$#5 - 2nd exc very shallow - on way out - expect her to
08/17/11 08/18/11	Wed Thu	Lil Diane	31-Aug 1-Sep		6 7	2	10/16 10/17	20-Oct	3	63	return tonight to make her nest 18 ft E of Fence Post M - long track several shallow digs
08/19/11	Fri	Mike	1-3ер		,	•	10/1/	20-001	3	03	no new tracks
08/20/11 08/21/11	Sat Sun	Lil Bill & Frances		A37							short basking track at Kaiehu Rock no new tracks
08/22/11	Mon										
08/23/11 08/24/11	Tue Wed	Kathy									no new tracks
08/25/11 08/26/11	Thu	Diane									no new tracks
08/27/11	Fri Sat	Mike									no new tracks
08/28/11	Sun	Bill & Frances		A38 A39							short basking track at Kaiehu Rock short basking track at Kaiehu Rock
				A40							short basking track at Kaiehu Rock
08/29/11 08/30/11	Mon Tue	Kathy									no new tracks
08/31/11	Wed	Lil									no new tracks, met Kama - camping at east end of beach, first met him 20th- had seen turtle at Preserv beach previous week
											no new tracks, ATV tracks the length of the beach, several fishermen with nets - Mac & Keif Apo wer
09/01/11 09/02/11	Thu Fri	Diane Mike									there no new tracks, met Kief - no fishermar
09/03/11	Sat	Lil		A41							short track and shallow exc near water - Aki Grass
09/04/11 09/05/11	Sun Mon	Bill & Frances Lil	18-Sep		8		11/3	6-Nov	4	63	1 excavation North of B no new tracks
09/06/11	Tue	Kathy									no new tracks
09/07/11 09/08/11	Wed Thu	Diane									no new tracks
09/09/11	Fri	Mike		A42 A43							short basking tracks at west end short basking tracks at west end
				A44							short basking tracks at west end

A45

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short basking tracks at west end
no new tracks, big surf - washed over #6
                       Lil, Helen & Katie
09/10/11
            Sat
09/11/11
             Sun
                       Bill & Frances
Helen & Katie
                                                                                                                                                          no new tracks
             Tue
Wed
Thu
                       Phyllis
Lil
Diane
09/14/11
09/15/11
                                                                                                                                                         #1 due
09/16/11
09/17/11
            Fri
Sat
Sun
Mon
                       Mike
Lil
                                                                                                                                                         #1 hatched - lots of clear tracks, distinct exit area
                       Bill & Frances
09/18/11
                                                                                                                                                          no new tracks
09/19/11
                       Lil
09/20/11
            Tue
                                                                                                                                                          no new tracks
                                                                                                                                                         tig #1 - Lil, Bill & Fr, Joe, Kathy & friends, Margaret & Charlie, Helen, Diane - 69 empty shells, 1 dead Lil's freezer for George
09/21/11
09/22/11
            Wed
                       Margaret
             Thu
09/23/11
            Fri
Sat
Sun
                       Mike
09/24/11
09/25/11
09/26/11
09/27/11
            Mon
Tue
                                                                                                                                                         no new tracks
                       Margaret
09/28/11
                                                                                                                                                          no new tracks, #4 washed away
           Thu
Fri
Sat
Sun
Mon
Tue
Wed
09/29/11
09/30/11
                       Lil
Mike
                                                                                                                                                          no new tracks
10/01/11 10/02/11
                       Lil
Bill & Frances
                                                                                                                                                          #5 due - no new tracks
                                                                                                                                                          no new tracks
10/03/11
                                                                                                                                                          #5 hatched - lots of tracks & distinct exit area 76 " N of center stak
10/04/11
                       Lil
            Thu
10/06/11
                                                                                                                                                          no new tracks
                                                                                                                                                         dig #5 - Lil, Margaret & 2 friends, Joan, Helen & grandaughter Anna, Diane & Val, - 64 empty,
10/07/11
10/08/11
           Fri
Sat
                                                                                                                                                          undeveloped, 1 dead, 2 live & released
            Sun
Mon
Tue
10/09/11
10/10/11
10/11/11
                                                                                                                                                         Lil away till November 8 - Frances to take over
            Wed
Thu
Fri
Sat
                       Margaret
Diane
                                                                                                                                                         no new tracks
10/12/11
10/13/11
10/14/11
10/15/11
                       Phyllis
                                                                                                                                                          no new tracks
            Sat
Sun
Mon
Tue
10/16/11
                       Bill & Frances
                                                                                                                                                          no new tracks
10/17/11
                       Katie
Helen
                                                                                                                                                          no new tracks
10/18/11
                                                                                                                                                         no new tracks
10/19/11
10/20/11
            Wed
Thu
Fri
                       Phyllis
Diane
                                                                                                                                                         no new tracks
                                                                                                                                                          no new tracks
           Sat
Sun
Mon
10/22/11
10/23/11
                       Margaret
Bill & Frances
                                                                                                                                                          no new tracks
                                                                                                                                                          no new tracks
                                                                                                                                                         dug #7 - Bill & Frances, Diane, Margaret & Helen - 70 empty shell
            Tue
Wed
Thu
Fri
Sat
Sun
Mon
10/25/11
10/26/11
10/26/11
10/27/11
10/28/11
10/29/11 10/30/11
10/31/11
                       Bill & Frances
                                                                                                                                                          no new tracks
            Tue
Wed
                                                                                                                                                         no new tracks
no new tracks
11/01/11
                       Helen
Margaret
11/02/11
            Thu
Fri
Sat
Sun
Mon
                       Diane
Mike
                                                                                                                                                         no new tracks
no new tracks
11/03/11
11/04/11
11/05/11
                                                                                                                                                          no new tracks
11/06/11
                       Bill & Frances
                                                                                                                                                         #8 hatched
11/08/11
            Tue
                                                                                                                                                         Dug #8 - Lil, Margaret, Helen, Diane, Joan, Bil & Frances - 48 empty shells, 5 undeveloped - in Lil
11/09/11 Wed Lil
```

All Trips In -

Activity	Excavation							
Date	ID#	Map ID	Basking tracks	Map ID	Aborted Tracks	Map ID	Map ID	Landmarks
							East to V	Vest
4/11			A1	S			Α	Pavillion
4/11			A2	S			В	East End
4/17			A3	S			С	Pavillion entrance
4/22			A4	S			D	First Path Down
5/10			A5	S			E	Last Path Down
5/10			A6	S			F	Dead Naupaka
5/10			A7	S			G	Dick's Path Down
5/15			A8	S			Н	Morning Glory East
5/22			A9	S			1	Aki Grass
5/24			A10	S			J	Morning Glory West
5/24			A11	S			K	Cement Block
5/26			A12	S			L	Gravel Hill
5/26			A13	S			M	Fence Post
5/26			A14	S			N	River
5/31			A15	RS			0	Swale 1
6/2			A16	S			Р	Swale 2
6/2					A17	S	Q	White Cliff
6/16			A18	S			R	Turtle Industry
6/17			A19	S			S	Kaiehu Rock
6/19			A20	S				
6/22			A21	S				
6/24			A22	S				
6/25			A23	S				
6/26			A24	S				
6/28			A25	S				
6/28			A26	S				
7/8			A27	S				
7/12			A28	S				
7/17	1	I/J						
7/18			A29	S				
7/18			A30	S				
7/19			A31	S				
7/24			A32	S				

7/24			A33	S		
7/31					A34	B/C
8/1					A35	Ε
8/1	2	В				
8/1	3	L				
8/1	4	Q/R				
8/3	5	E				
8/9			A36	S		
8/17	6	D/E				
8/18	7	M				
8/20			A37	S		
8/28			A38	S		
8/28			A39	S		
8/28			A40	S		
9/3					A41	1
9/4	8	В				
9/9			A42			
9/9			A43			
9/9			A44			
9/9			A45			

Date	Nest #	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	spoiled/	Dead	Live	Successful
		Location		(60 days)		Incubated				undeveloped			Hatches
				` ,									
7/17/11	1	I/J	2	9/15	9/17	62	1	9/21	69		1		68
8/1/11	2	В	1	9/29									
8/1/11	3	L	2	9/29									
8/1/11	4	Q/R	1	9/29									
8/3/11	5	E	1	10/1	10/3	62	2	10/7	67	3	1	2	63
8/17/11	6	D/E	2	10/16									
8/18/11	7	M	3	10/17	10/20	63	3	10/24	70				70
9/4/11	8	В	1	11/3	11/6	63	4	11/9	53	5			48
									259	8	2	2	249
NOTES -	#2	shallow ex	cavation in	sand bank ne	ear water's edg	ge - washed	out						
	#3	shallow ex	cavation - w	ashed out by	high surf						<u> </u>	<u> </u>	
	#4			ashed out by	/ high surf								
	#6	washed ov	er by high s	urf								L	

	ing - Kawa'a			
natched	hatch	exc		
	due date	date		
9/17	9/15	7/17	1	40 ft NE of W Morning GI (J), 20 ft N of dune
	9/29	8/1	2	edge of sand bank N of B - washed out - 8/7
	9/29	8/1	3	N of Gravel Hill (L) - near high tide zonen- washed out 9/14
	9/29	8/1	4	between white cliff & turtle ind (Q/R) - near high tide zone - washed out - 9/28
10/3	10/1	8/3	5	80 ft NE of Last path down (E)
	10/16	8/17	6	between First & Last Paths down (D/E), 8 ft N of dune 100 ft E of #5 - washed over 9/10, 9
10/24	10/17	8/18	7	18 ft E of Fence Post (M)
11/6	11/3	9/4	8	East end of beach - North of B

EE2 440E			
			due Oct 17
			due Nov 3
			aue Nov 3
553 - 9946			
dose			botob #
<u>aay</u>	monitor	nest#	hatch #
Tues			
	Marrarat		
	Phyllis		
-			
Fri	Mike		
Sat	Margaret		
Sun	Bill & Frances		
Mon	Helen		
Tue	Margaret		
Wed			
Thu	Diane		
Fri	Mike		
Sat			
Sun	Bill & Frances		
Mon			
Tue	Helen		
Wed			
Thu	Diane		
vveu	L11		
	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed	567-6595 567-6468 553-5269 553-4489 553-9946 day monitor Tues Wed Margaret Thurs Diane Fri Mike Sat Phyllis Sun Bill & Frances Mon Katie Tue Helen Wed Phyllis Thu Diane Fri Mike Sat Margaret Sun Bill & Frances Mon Helen Fri Mike Sat Margaret Sun Bill & Frances Mon Helen Tue Helen Wed Phyllis Thu Diane Fri Mike Sat Margaret Sun Bill & Frances Mon Helen Tue Margaret Wed Thu Diane Fri Mike Sat Sun Bill & Frances Mon Tue Helen Wed Margaret Thu Diane Fri Mike Sat Sun Bill & Frances Mon Tue Helen Wed Margaret Thu Diane Fri Mike Sat Sun Bill & Frances	567 - 6468 553 - 5269 553 - 4489 553 - 9946 day monitor nest # Tues Wed Margaret Thurs Diane Fri Mike Sat Phyllis Sun Bill & Frances Mon Katie Tue Helen Wed Phyllis Thu Diane Fri Mike Sat Margaret Sun Bill & Frances Mon Helen Fri Mike Sat Margaret Sun Bill & Frances Mon Helen Tue Helen Wed Phyllis Thu Diane Fri Mike Sat Margaret Sun Bill & Frances Mon Helen Tue Margaret Wed Thu Diane Fri Mike Sat Sun Bill & Frances Mon Tue Helen Wed Margaret Thu Diane Fri Mike Sat Sun Bill & Frances Mon Tue Helen Wed Margaret Thu Diane Fri Mike Sat Sun Bill & Frances

#7 - 18 ft East of Fence Post - M
#8 - East end of beach - North of B
#8 - East end of Deach - North of B
Notes -

2012	2		Keys
Russell	553-5236 ext 6589		
Mon	Lil Macmillan		yes
Tues	Kathy Tachibana		yes
Wed	Helen Coelho		yes
Thurs	Lil Macmillan		
Friday	Mike Grinnell	553-4405	no
Saturday	Diane Pike	567-6595	yes
Sunday	Bill Feeter	553-9857	yes

Backup Phyliss Siu Joe Kitagawa

3/23/12	Fri	Wailana Moses			A1							hasking turtle sighted during booch cleanup, stoudd an haseh "
4/17/12		Lil & Kathy		45	A1	1	2	10-Jun	14-Jun	1	?	basking turtle sighted during beach cleanup - stayed on beach "a couple of hours" se 17 paces NW of B in dune edge - looked to be at least a couple of days old, first monitoring, refreshed all location markers.
		2 a rading		-10					14 0411	·	•	very windswept - no sign of tracks or mound - possible excavation - in trail abo approx 100ft E of Last Path - E - assuming it was dug same time as #1 watch as
	_					2	1	1-Jun				dug 2 weeks prior to #1 - est hatch June 1
4/17/12 04/20/12	Tues Fri	Mike			A2							basking track at Kaiehu rock - appeared to have a deformed L hind flippino new tracks
04/22/12		Bill & Frances										no new tracks
04/24/12	Tues	Lil			A3							basking track at Kaiehu rock - appeared to have a deformed L hind flipp
04/26/12	Thurs	Lil	10-May			3	1	25-Jun	28-Jun	2	63	shallow excavation 7ft NW of B
					A4							long track up to dune between C & E
04/27/12 04/28/12	Fri Sat	Mike Diane			A5							no new tracks basking track at Kaiehu rock
04/29/12	Sun	Bill & Frances			AS							no new tracks
												basking track at kaiehu rock - appeared to have a deformed L hind flipper/ loaned He
04/30/12	Mon	Lil			A6							she will go Tuesdays
05/01/12 05/02/12	Tue Wed	Helen			A7							basking track at kaiehu rock - deformed hind flippe beach not checked
05/02/12	Thu	Lil										rained out
05/04/12	Fri	Mike	17-May			4	2	1-Jul				against rock cliffside at west end of beach - not fresh
					A8							basking track at Kaiehu rock
05/05/12		Diane Bill & Frances										no new tracks, sent pics of #4 no new tracks
05/06/12	Sun	DIII & FIANCES										no new tracks no new tracks, marked both #4 exc - tracks washed away , very long mound. Seal tra
05/07/12	Mon	Lil										east end of beach no seal sighted
05/08/12	Tue											beach not checked
05/09/12 05/10/12	Wed	Helen			40							no new tracks
05/10/12 05/11/12	Thu Fri	Lil Mike			A9 A10							short basking track at Kaiehu rock, 1 set of fresh seal tracks at east end of beach no short basking track at Kaiehu rock
05/12/12	Sat											beach not checked
05/13/12		Bill & Frances										no new tracks
05/14/12	Mon	Lil	28-May	45		5	1	13-Jul				shallow excavation overlapping #3
05/15/12	Tue	Helen	29-May	45	A11	6	1	14-Jul	15-Jul	3	61	long track up to dune between C & E 30 ft East of C in dune edge
05/16/12	Wed		Lo may	-10		•	•	14 001	10 001	•	٠.	beach not checked
05/17/12		Lil										no new tracks
05/18/12	Fri	Mike										no new tracks
05/19/12 05/20/12	Sat	Bill & Frances										beach not checked no new tracks
05/21/12	Mon	Lil										no new tracks
05/22/12	Tue	Helen										no new tracks
05/23/12	Wed											beach not checked
05/24/12 05/25/12	Thu Fri	Lil Mike										no new tracks no new tracks
05/26/12	Sat	WIRE										beach not checked
05/27/12	Sun	Bill & Frances			A12							long track at C several shallow shuffles
					A13							basking track at Kaiehu rock
05/28/12 05/29/12		Lil Helen	12-Jun	40	A14	7	2	7/28				basking track at Kaiehu rock 10 ft South of Kaiehu pointed rock
05/30/12	Wed		13-Jun	40		8	1	7/29				beach not checked - found June 1st 60ft west of first path down - D in edge of
			13-Jun	40		9	2	7/29				found June 1st - 30 ft west of last path down - E in edge of dune
05/31/12 06/01/12	Thu Fri	Lil Mike	15-Jun			10	1	7/31				rained out
06/01/12	FII	WIKE	15-Jun		A15	10	1	1131				45 ft west of white cliff - Q - at base of dune long track along base of cliff at Kaiehu rock thru nest 4, several very shallow dig
06/02/12	Sat	Diane	16-Jun			11	2	8/1				30 ft west of last path - E in edge of dune
06/02/12					A16							long track up to dune at C
06/03/12 06/04/12	Sun Mon	Bill & Frances Lil	17-Jun			12	1	8/2	30-Jul	4	57	10 ft east of B no new tracks
06/04/12	Tue	ы										no new tracks beach not checked
06/06/12	Wed	Lil										no new tracks
06/07/12	Thu											Russell - watch for loose dogs - attack on sheerwaters Wed & Thurs
06/08/12	Fri Sat	Mike Diane										no new tracks
06/09/12 06/10/12	Sat	Diane Bill & Frances										no new tracks no new tracks
06/11/12		Lil										no new tracks
06/12/12	Tue											beach not checked
06/13/12	Wed	Lil										no new tracks
06/14/12 06/15/12	Thu Fri	Helen Mike	29-Jun			13	2	8/14				hatch #1 - nest #1 - not from marked excavation, from shallow exc at edge of kiaw 2 shallow exc 10 ft North of nest #5
00/13/12	FII	HINE	29-Jun 29-Jun			14	2	8/14				100 ft North of Turtle Industry
06/16/12	Sat	Diane	30-Jun			15	2	8/15				2 excavations, between Dick's Path and East Morning Glory
06/17/12	Sun	Bill & Frances	1-Jul			16	1	8/16				30 ft N of edge of dune, 40 ft SE of Kaiehu rock (S) - very long mound
06/18/12	Mon	Lil										checked beach all the way to the west end of the preserve - reports of fresh excavation sign very strong winds Sunday
00/10/12	IVIOII	ы										sign very strong winds Sunday short basking track at S, winds had erased all sign of #15, 2 new tracks from nest 1, r
					A17							marker 3 & 5 and hatch markers - went missing from Sunday am to Mon am
06/19/12	Tue											beach not checked
06/20/12	Wed	Lil, Helen, Bll, F	rances, D	iane, Joan								dig nest #1 - 84 empty shells, 1 spoiled egg - in Lil's freezer
					A18 A19							track up to dune, very shallow scuffing at edge of Kiawe at track up and ontop of dune, very shallow scuffing East of nest #
			4-Jul		A13	17	1	8/19				1 exc, dug ontop of #9-1, appeared to be shallow
			4-Jul			18	1	8/19				1 exc 40 ft S of Dead Naupaka in edge of dune
			4-Jul		A20	19	2	8/19				2 exc, in base of dune 100ft E of Swale 1 (O) halfway up beach at White Cliff (Q

06/21/12											
00/21/12	Thu	Helen		A22		_					track up to dune, very shallow scuffing at edge of Kiawe at
			5-Jul		20	3	8/20				directly below C - in base of dune
			5-Jul		21	2	8/20				between First & Last Paths in base of dune - 140 ft East of E, 16 ft East of nest #2
			5-Jul		22	2	8/20				Top of dune 35 and 40 ft South East of Gravel Hill marker - not sure which was last one dug
06/22/12	Fri	Mike	6-Jul		23	1	8/21	8/14	5	53	1 shallow exc, 15 ft E of B - beside #12
				A23							track above high water, between First & Last path:
											track above high water, at Swale one - may have been a small turtle or seal tracks - narrow and n
				A24							deep
06/23/12	Sat	Diane									didn't go - rain
06/24/12	Sun	Bill & Frances	8-Jul	24	1	2	8/22	8/27	6	65	beside nest #16 - 45ft SE of Kaiehu Rock
06/25/12	Mon	Lil									no new tracks
06/26/12	Tue	Lil									no new tracks - refreshed all markers - nests and location
06/27/12	Wed	Helen									no new tracks
00/2//12	wed	TIGIGIT									Hatch #2 - nest #3 - looked to be small number of tracks, walked to west end of preserve
06/28/12	Thu	Lil & Helen									
											beaches - found recent excavation - gps'd, staked - number 6281 (June 28 first exc)
06/29/12	Fri	Mike									no new tracks
06/30/12	Sat	Diane									no new tracks
07/01/12	Sun	Bill & Frances									one new hatchling track from nest 3
07/02/12	Mon	Lil									no new tracks, gps'd all excavations to date
07/03/12	Tue	Lil	17-Jul		25	3	9/1				very shallow excavations, last one in #4
											beach not checked 4th, exc found 5th - very windswept unable to tell which was last
07/04/12	Wed		18-Jul		26	4	9/2				marked all 4 exc
07/05/12	Thu	Lil	19-Jul		27	2	9/3				two large exc at base of upper dune at Swale 1 (O) very long mound on last exc
07/06/12	Fri	Mike				_					no new tracks
07/07/12	Sat	Diane									no new tracks
07/08/12	Sun	Bill & Frances		A25							long track up to the dune edge at Swale 1 and retur
07/00/12	Sull	Dill & Flatices		A26							
				A2b							long track crossed thru nests 4,7,16, & 24 and returned - no diggin
07/09/12	Mon	Lil									no new tracks, monk seal basking at water's edge at East Morning Glor
07/10/12	Tue		24-Jul		28	2	9/8	13-Sep	7	65	60 ft North of Aki Grass (I) - beach not checked, found 7/11 -windswept but tracks still visible
											found #28, checked preserve beaches, found 4 false crawls & two excavations - adz trail
07/11/12	Wed	Lil									down and Keonelele 250 ft West of June 28 excavation
07/12/12	Thurs										no new tracks
07/13/12	Fri	Mike									no new tracks
07/14/12	Sat	Cyrus Siu									no new tracks
07/15/12	Sun	Bill & Frances									Hatch #3 - Nest #6 - small number of tracks visible, exit area marked
07/16/12	Mon	l il		A27							
				AZI							short basking track at Kaiehu Rock - deformed L flippe
07/17/12	Tues	Kathy									more tracks from nest #6
07/18/12	Wed	Helen									no new tracks
07/19/12	Thurs										7 more tracks from #6
07/20/12	Fri	Mike	3-Aug		29	2	9/18	27-Sep	8	69	1 more track from #6, 2 exc at Gravel Hill - last one shallow with long shallow mound
07/21/12	Sat	Lil									several more tracks from Nest #6
07/22/12	Sun	Bill & Frances									no new tracks
07/23/12	Mon	Lil									no new tracks
07/24/12	Tue	Kathy									no new tracks
07/25/12	Wed	Helen									no new tracks
07/26/12	Thu	Lil	9-Aug		30	2	9/24				30 ft NW of Dead Naupaka
07720712	IIIu		J-Aug	A28	30	-	3/24				long track up to dune 60ft West of First Path (D)
07/27/12	Fri	Mike	10-Aug	AZO	31	1	9/25				40 ft S of Dead Naupaka in edge of dune
0//2//12	FII	WIKE	10-Aug		31	1	9/25				
											32-1 28 ft N of Dead Naupaka, 32-2 10 ft N of Dead Naupaka, 32-3 30 ft NW of Dead Naupaka
			10-Aug		32	4	9/25				- overlapping #30. 32-4 53 ft SW of Dead Naupaka
		Bill & Frances,H									
		Phyllis	ielen, Lii, Joan, Joe								dug nest 3 & 6 #3-90 empty shells, 1 unhatched, #6 - 74 empty, 4 unhatched, 2 live
07/28/12	Sat		leien, Lii, Joan, Joe								no new tracks
07/29/12	Sun	Bill & Frances	ielen, Lii, Joan, Joe								no new tracks no new tracks
			leien, Lii, Joan, Joe								no new tracks
07/29/12 07/30/12	Sun	Bill & Frances Helen	leien, Lii, Joan, Joe								no new tracks no new tracks Hatch #4 - Nest #12 no other activity
07/29/12 07/30/12 07/31/12	Sun Mon Tue	Bill & Frances	leien, Lii, Joan, Joe								no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell
07/29/12 07/30/12 07/31/12 08/01/12	Sun Mon Tue Wed	Bill & Frances Helen Kathy Lil	leien, Lii, Joan, Joe								no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - Th came out as I was watching!
07/29/12 07/30/12 07/31/12 08/01/12 08/02/12	Sun Mon Tue Wed Thu	Bill & Frances Helen Kathy Lil Lil	leien, Lii, Joan, Joe								no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12
07/29/12 07/30/12 07/31/12 08/01/12 08/02/12 08/03/12	Sun Mon Tue Wed Thu Fri	Bill & Frances Helen Kathy Lil Lil Mike	leien, Lii, Joan, Joe	A20							no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12
07/29/12 07/30/12 07/31/12 08/01/12 08/02/12	Sun Mon Tue Wed Thu	Bill & Frances Helen Kathy Lil Lil	leien, Lii, Joan, Joe	A29							no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River
07/29/12 07/30/12 07/31/12 08/01/12 08/02/12 08/03/12 08/04/12	Sun Mon Tue Wed Thu Fri Sat	Bill & Frances Helen Kathy Lil Lil Mike Diane	leien, Lii, Joan, Joe	A29 A30						-	no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff
07/29/12 07/30/12 07/31/12 08/01/12 08/02/12 08/03/12 08/04/12	Sun Mon Tue Wed Thu Fri Sat	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances	leien, Lii, Joan, Joe		33	3	10/4	7-Oct	9	63	no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - Th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound
07/29/12 07/30/12 07/31/12 08/01/12 08/02/12 08/03/12 08/04/12 08/05/12 08/06/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil	leien, Lii, Joan, Joe		33	3	10/4	7-Oct	9	63	no new tracks Natch #4 - Nest #12 no other activity may have been more tracks - hard to tell new tracks out of #6 - 7th came out as I was watching! tracks from #12 new tracks from #12 Basking track at River laise crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks
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07/29/12 07/30/12 07/31/12 08/01/12 08/02/12 08/03/12 08/04/12 08/06/12 08/06/12 08/06/12 08/09/12 08/09/12 08/10/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil	leien, Lii, Joan, Joe	A30	33	3	10/4	7-Oct	9	63	no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawn on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks no new tracks basking track at kaiehu rock basking track at kaiehu rock
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07/29/12 07/30/12 07/31/12 08/01/12 08/02/12 08/03/12 08/04/12 08/05/12 08/06/12 08/06/12 08/07/12 08/08/12 08/10/12 08/11/12 08/11/12 08/13/12 08/13/12 08/13/12 08/13/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Yed Thu Fri Sat Sun Mon Tue Wed	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Lil Lil Helen Kathy Lil Lil Lil Mike Lil Lil Kathy Lil Lil Lil Lil Mike Lil	eren, Lii, Joan, Joe	A31 A32	33	3	10/4	7-Oct	9	63	no new tracks no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks Hatch #5 - Nest #23 10 - 12 tracks Hatch #5 - Nest #23 10 - 12 tracks Hatch #5 - Nest #23 1 dead at surface, basking track at Kaiehu rock - deformed L flipper
07/29/12 07/30/12 07/30/12 08/01/12 08/02/12 08/03/12 08/04/12 08/06/12 08/06/12 08/06/12 08/06/12 08/09/12 08/10/12 08/10/12 08/10/12 08/10/12 08/10/12 08/10/12 08/13/12 08/14/12 08/15/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu	Bill & Frances Helen Kathy Lil Lil Diane Bill & Frances Lil Kathy Lil Lil Mike Dilane Bill & Frances Lil Kathy Lil Lil Mike Lil Mike Lil	eren, Lii, Joan, Joe	A31 A32	33	3	10/4	7- 0 ct	9	63	no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks 10 tracks from #23 10 - 12 tracks Hatch #5 - Nest #23 10 - 12 tracks Hatch #5 - Nest #23 10 - 12 tracks Hatch #6 - Nest #23 10 - 12 tracks Hatch #6 - Nest #23 10 - 12 tracks Hatch #6 - Nest #23 10 - 12 tracks Hatch #6 - Nest #23 10 - 12 tracks
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07729/12 07730/12 07731/12 08/02/12 08/02/12 08/02/12 08/05/12 08/06/12 08/06/12 08/07/12 08/08/12 08/10/12 08/10/12 08/13/12 08/13/12 08/13/12 08/13/12 08/13/12 08/15/12 08/15/12 08/15/12 08/15/12 08/15/12 08/15/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Sat	Bill & Frances Helen Kathy Lil Lil Diane Bill & Frances Lil Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Lil Mike Lil Mike Diane	eren, Lii, Joan, Joe	A31 A32	33	3	10/4	7-Oct	9	63	no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks 10 tracks from #23 10 - 12 tracks Hatch #5 - Nest #23 10 - 12 tracks Hatch #5 - Nest #23 10 - 12 tracks Hatch #6 - Nest #23 10 - 12 tracks
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0729/12 0730/12 0800/11/2 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0810/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon	Bill & Frances Helen Kathy Lil Lil Lik Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Diane Kathy Lil Lil Mike Diane Bill & Frances	eren, Lii, Joan, Joe	A31 A32 A33 A34				7- O ct	9	63	no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks 10 new tracks 10 new tracks 11 new tracks 12 no new tracks 13 no new tracks 14 no new tracks 15 - 20 tracks from #23, 1 dead at surface, basking track at Kalehu rock - deformed L flipper more tracks from #23, sking track at Kalehu rock - deformed L flipper more tracks from sext. Saking track at Kalehu rock - deformed L flipper more tracks from nest #23 no new tracks tracked along the cliffside at the west end of the beach thru #4
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0729/12 07731/12 07731/12 07731/12 08/01/12 08/02/12 08/03/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/15/12	Sun Mon Tue Wed Thu Fri and Sun Mon Tue Wed Thu Fri and Sun Mon Tue Wed Thu Fri and Sun Mon Tue Wed Thu Wed Thu Wed Thu Tue Wed Thu Wed Thu	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Lil Lil Kathy Lil Lil Lil Kathy Lil	eren, Lii, Joan, Joe	A31 A32 A33 A34	34 35	3 2	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks on ew tracks asking track at kaiehu rock basking track at kaiehu rock basking track at kaiehu rock basking track at kaiehu rock no new tracks tracked along the cliffside at the west end of the beach thru #4 very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune at Grevel Hill - exit track had multiple shallow digs, 1 more tracks from set 2, 2 exc top of dune at Grevel Hill - exit track had multiple shallow digs, 1 more track from #23 nore tracks from nest #23 nore tracks from nest #23 up to dune at D, many shallow digging attempts
07/29/12 07/30/12 07/30/12 08/01/12 08/01/12 08/02/12 08/02/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/13/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Fri Fri Sat Sun Mon Tue Wed Thu Fri	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Lil Lil Mike Bill & Frances Lil Lil Lil Mike Diane Bill & Frances Lil Lil Lil Lil Lil Lil Lil Mike Lil Lil Lil Mike Lil Lil Lil Mike Mike Mike	eren, Lii, Joan, Joe	A31 A32 A33 A34	34	3 2	10/20	7-Oct	9	63	no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 2 sasking track at River false cravin on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks tracked from #23 10 - 12 tracks 8-10 tracks from #23, 1 dead at surface, basking track at Kaiehu rock - deformed L flipper more tracks from sasking track at Kaiehu rock - deformed L flipper more tracks from nest #23 more tracks from hest #23 more tracks from fliffside at the west end of the beach thru #4 very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on the form of tack ft form #23 up to dune at D, many shallow digging attempts top of dune 12 ft West of Swale 1 in morning glory
0729/12 0730/12 0700/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 081	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Sat Sun Mon Tue Sat Sun Sat	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Lil Kathy Lil Lil Lil Kathy Lil	eren, Lii, Joan, Joe	A31 A32 A33 A34	34 35	3 2	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks on ew tracks asking track at kaiehu rock basking track at kaiehu rock basking track at kaiehu rock basking track at kaiehu rock no new tracks tracked along the cliffside at the west end of the beach thru #4 very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune at Grevel Hill - exit track had multiple shallow digs, 1 more tracks from set 2, 2 exc top of dune at Grevel Hill - exit track had multiple shallow digs, 1 more track from #23 nore tracks from nest #23 nore tracks from nest #23 up to dune at D, many shallow digging attempts
07/29/12 07/30/12 07/30/12 08/01/12 08/01/12 08/02/12 08/02/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/13/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Fri Fri Sat Sun Mon Tue Wed Thu Fri	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Lil Lil Mike Bill & Frances Lil Lil Lil Mike Diane Bill & Frances Lil Lil Lil Lil Lil Lil Lil Mike Lil Lil Lil Mike Lil Lil Lil Mike Mike Mike	eren, Lii, Joan, Joe	A31 A32 A33 A34	34 35	3 2	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks track at Kaiehu rock - deformed L flipper more tracks from #23, 1 dead at surface, basking track at Kaiehu rock - deformed L flipper more tracks from set #23 no new tracks tracked along the cliffside at the west end of the beach thru #4 very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track of Swale 1 in morning glory no new tracks
07/29/12 07/30/12 07/30/12 08/01/12 08/01/12 08/02/12 08/02/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/05/12 08/16/12	Sun Mon Tue Wed Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Sat Sun Sat Sun	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Diane Helen Kathy Lil Lil Kathy Lil Lil Kathy Lil Lil Lil Mike Diane Lil Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Diane Bill & Frances Bill Lil Mike Diane Bill & Frances	eren, Lii, Joan, Joe	A31 A32 A33 A34	34 35	3 2	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks basking track at kaiehu rock no new tracks no new tracks no new tracks no new tracks 10 new tracks 10 new tracks 11 no new tracks 12 no new tracks 13 no new tracks 14 no new tracks 15 - 20 tracks from #23, basking track at Kaiehu rock - deformed L flipper more tracks from set #23 no new tracks 15 rom set #25 no new tracks 17 no new tracks 18 rom nest #23 no new tracks from nest #23 no new tracks from nest #23 no new tracks 18 rom set racks 18 rom tracks from nest #23 no new tracks 19 no frack from \$23, basking track at Kaiehu rock - deformed L flipper more tracks from nest #23 no new tracks 19 no frack from \$23, basking track at Kaiehu rock - deformed L flipper more tracks from nest #23 no new tracks 19 no frack from \$23, basking track at Kaiehu rock - deformed L flipper more tracks from nest #23 no new tracks 10 no frack from \$23, basking track at Kaiehu rock - deformed L flipper more tracks from nest #23 no new tracks 10 no fracks from set #23 no new tracks 10 no fracks from \$24, bask of Swale 1 in morning glory 10 no new tracks 10 no fracks 10 no
07/29/12 07/30/12 07/30/12 08/01/12 08/01/12 08/02/12 08/02/12 08/02/12 08/02/12 08/02/12 08/02/12 08/02/12 08/02/12 08/12/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Sat Sat Sun Mon Tue Wed Thu Fri Fri Sat Sun Mon Tue Wed Thu Sun Mon Tue Wed Thu Fri Sat Sun Mon Mon Tue Wed Thu Fri Sat Sun Mon Mon Tue Wed Thu Fri Sat Sun Mon Mon Mon Mon Mon Mon Mon Mon Mon Mo	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Lil	eren, Lii, Joan, Joe	A31 A32 A33 A34	34 35	3 2	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks sen tracks from #23 saking track at Kaiehu rock - deformed L flipper more tracks from #23, no few tracks tracked along the cliffside at the west end of the beach thru #4 very long track, 3 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 3 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune 60 ft SW of Dicks Path (G) - still digging on way out very long tracks are a ft fracks and tracks are a ft fracks and tracks are a ft fracks and tracks are a ft fracks are a ft fracks are a ft fracks are a ft
0729/12 0780/12 0780/12 0780/12 0800/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Mon Tue Wed Thu Tue Wed Thu Tue Wed Thu Tue Wed Thu Tue Tri Sat Sun Mon Tue Tri Sat Sun Mon Tue Mon Tue Tue Tri Sat Sun Mon Tue	Bill & Frances Helen Kathy Lil Lil Bill & Frances Lil Kathy Lil Lil Bill & Frances Lil Mike Bill & Frances Diane Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Lil Lil Lil Kathy Lil Lil Lil Lil Kathy Lil	eren, Lii, Joan, Joe	A31 A32 A33 A34	34 35	3 2	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks on enew tracks basking track at kaiehu rock basking track at kaiehu rock basking track at kaiehu rock no new tracks no new tracks no new tracks no new tracks 7 no new tracks 8 no new tracks 8 no new tracks 8 no new tracks 8 from #23, basking track at Kaiehu rock - deformed L flipper more tracks from #23, basking track at Kaiehu rock - deformed L flipper more tracks from nest #23 no new tracks 1 no new trac
07/29/12 07/30/12 07/30/12 08/01/12 08/00/12 08/00/12 08/00/12 08/00/12 08/00/12 08/00/12 08/00/12 08/00/12 08/00/12 08/10/10/12 08/10/10/12 08/10/	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Mon Tue Wed Thu Fri Mon Tue Wed Thu Wed Thu Wed Thu Wed Thu Wed	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Diane Helen Kathy Lil		A30 A31 A32 A33 A34 A35	34 35 36	3 2 1	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks sen tracks from #23, 1 dead at surface, basking track at Kalehu rock - deformed L flipper more tracks from set #23 more tracks from set #23 no new tracks tracked along the cliffside at the west end of the beach thru #4 very long track, 3 exc top of dune 80 ft SW of Dicks Path (G) - still digging on way out very long track, 2 exc top of dune at Gravel Hill - exit track had multiple shallow digs, 1 more tracks from #23 up to dune at D, many shallow digging attempts top of dune 10 ft West of Swale 1 in morning glory no new tracks possible hatch #6 Nest 24 - no tracks, - rain may have erased, but a possible exit area checked Kalani nest 628 - no tracks, - rain may have erased, but a possible exit area checked Kalani nest 628 - no tracks, - rain may have erased, but a possible exit area checked Kalani nest 628 - no tracks, - rain may have erased, but a possible exit area checked Kalani nest 628 - no tracks, - rain may have erased, but a possible exit area checked Kalani nest 628 - no tracks, - rain exit area indentation no new tracks
0729/12 0730/12 0730/12 0730/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0800/12 0810/12 0810/12 0811/12 0814/12 0814/12 0814/12 0814/12 0814/12 0812/12 0812/12 0812/12 0812/12 0812/12	Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Mon Tue Wed Thu Tue Wed Thu Tue Wed Thu Tue Wed Thu Tue Tri Sat Sun Mon Tue Tri Sat Sun Mon Tue Mon Tue Tue Tri Sat Sun Mon Tue	Bill & Frances Helen Kathy Lil Lil Mike Diane Bill & Frances Lil Kathy Lil Lil Mike Bill & Frances Diane Helen Kathy Lil	eren, Lii, Joan, Joe	A30 A31 A32 A33 A34 A35	34 35 36	3 2 1	10/20 10/21				no new tracks Hatch #4 - Nest #12 no other activity may have been more tracks - hard to tell 7 new tracks out of #6 - 7th came out as I was watching! 2 tracks from #12 2 new tracks from #12 Basking track at River false crawl on shore at White Cliff very long track, 3 exc at base of dune E of Swale 1, last one 50 ft E - very long mound no new tracks on new tracks basking track at kaiehu rock basking track at kaiehu rock basking track at kaiehu rock no new tracks no new tracks no new tracks no new tracks 7 no new tracks 8

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dug nest #23 - 81 empty shells, 5 unhatched/spoiled, 10 dead & 6 live 7 more tracks from #23
08/31/12
09/01/12
              Fri Mike
Sat Diane
                                                                                                                                        no new tracks
2 new tracks from 24
09/02/12
               Sun Bill & Frances
                                                                                                                                         no new tracks
                                                                                                                                        dug hatch #6 - nest 24 - 97 empty, 21 undeveloped, 1 dead -dug Kalnai 628 no new tracks
09/03/12
              Mon Lil, Bill, Frances, Joe & family, Helen, Diane & Russell
09/04/12
              Tue Kathy
09/05/12
              Wed Phylllis
                                                                                                                                         no new tracks
09/06/12
               Thu Joe
                                                                                                                                         no new tracks
09/07/12
              Fri Mike
Sat Diane
                                                                                                                                         no new tracks
09/08/12
                                                                                                                                         no new tracks
                                                                                                                                         no new tracks
09/10/12
              Mon Helen
                                                                                                                                         no new tracks
09/11/12
              Tue Kathy
                                                                                                                                         no new tracks
09/12/12
             Wed Mike
Thu Diane
                                                                                                                                         no new tracks
hatch #7 - nest 28
09/13/12
09/14/12
               Fri Mike
                                                                                                                                         6 tracks from nest 28
09/15/12
09/16/12
              Sat Diane
Sun Bill & Frances
                                                                                                                                         no new tracks
                                                                                                                                         no new tracks
09/17/12
              Mon Helen
                                                                                                                                         no new tracks
09/18/12
              Tue Kathy
                                                                                                                                         no new tracks
09/19/12
              Wed Mike
                                                                                                                                         no new tracks
               Thu Bill & Frances
Fri Lil
09/20/12
                                                                                                                                         no new tracks
09/21/12
                                                                                                                                         no new tracks
                                                                                                                                        no new tracks, found hatch at Arch site from unmarked nest approx exc date July 24 dug #29 - 96 empty shells, 5 unhatched, 3 dead & 2 live
              Sat Diane
Sun Lil,Bill, Frances,Diane, Margaret, Butch & family, & Ricki Cooke
09/22/12
09/23/12
                                                                                                                                         one wit racks, found doad hatchling on beach west of kalani point, checked hatch foun-
Saturday at arch site
on new tracks
09/24/12
             Mon Lil
Tue Kathy
Wed Margaret
09/25/12
09/26/12
                                                                                                                                         no new tracks
09/27/12
09/28/12
              Thu Lil
Fri Mike
                                                                                                                                         Hatch #8 - nest 29
                                                                                                                                         no new tracks
09/29/12
               Sat Diane
                                                                                                                                         no new tracks
09/30/12
              Sun Bill & Frances
                                                                                                                                         no new tracks
10/01/12
              Mon Helen
                                                                                                                                         no new tracks
10/02/12
                                                                                                                                         no new tracks
10/03/12
              Wed Margaret
                                                                                                                                         no new tracks
                                                                                                                                         no new tracks, dug #29 - 91 empty, 1 undevelopeddug Kalani 8/22 hatch - 67 empty, 27
10/04/12
              Thu Lil, Bill & Fr, Diane, Helen, Margaret, Joe & Joe jnr, Hubkas, Algiams, Julie's grand daughter, & Reese
                                                                                                                                         undeveloped
no new tracks
              Fri Mike
Sat Diane
10/05/12
10/06/12
                                                                                                                                         no new tracks
Hatch #9 - nest 33
10/07/12
              Sun Bill & Frances
10/08/12
              Mon Lil
                                                                                                                                         no new tracks, checked Preserve for hatches
10/09/12
              Tue Kathy
                                                                                                                                         no new tracks
10/10/12
              Wed Margaret
                                                                                                                                         no new tracks
              Thu Helen
Fri Mike
Sat Diane
10/11/12
                                                                                                                                         no new tracks
                                                                                                                                         no new tracks
10/12/12
10/13/12
                                                                                                                                         no new tracks
                                                                                                                                         no new tracks, dug #33 - 75 empty, 2 undeveloped & 1 live Margaret checked Preserve
                                                                                                                                        beaches for hatches
no new tracks, checked Preserve for hatches found 816 hatch exit area, no tracks
no new tracks.
10/14/12
              Sun Bill & Frances, Helen, Margaret & Lil
10/15/12
10/16/12
              Mon Lil
Tue Kathy
10/17/12
              Wed Margaret
                                                                                                                                         no new tracks
               Thu Helen
                                                                                                                                         no new tracks
10/19/12
              Fri Mike
Sat Lil
                                                                                                                                         no new tracks
10/20/12
                                                                                                                                         no new tracks
10/21/12
              Sun Bill & Frances
                                                                                                                                         no new tracks
                                                                                                                                        no new tracks
10/22/12
              Mon Lil
10/23/12
              Tue Kathy
10/24/12
              Wed Margaret
                                                                                                                                         no new tracks
                                                                                                                                         no new tracks
10/25/12
               Thu Helen
                                                                                                                                         no new tracks
10/27/12
               Sat Lil
                                                                                                                                         no new tracks
10/28/12
              Sun Bill & Frances
                                                                                                                                         no new tracks
10/29/12
              Mon Lil
                                                                                                                                         #36 Hatched - Hatch #10, checked Kalani - no new tracks
              Tue Kathy
10/30/12
                                                                                                                                         didn't go - rain
10/31/12
              Wed Margaret
                                                                                                                                         no new tracks, checked kalani - no new tracks
11/01/12
               Thu
               Fri Lil
                                                                                                                                         no new tracks, checked Kalani - no new tracks
11/03/12
11/04/12
              Sun
                                                                                                                                         dug #36 - 73 empty, 1 dead, 2 undeveloped, 1 live,Kalani - dug 816 - 80 empty, 1
              Mon Lil, Bill & Fr, Helen, Margaret, Georgie & Marilyn
11/05/12
                                                                                                                                         undeveloped, 831 Hatched
11/06/12
              Wed
Thu
Fri
Sat
11/07/12
11/09/12
11/10/12
              Sun
Mon
Tue
11/12/12
11/13/12
11/14/12
              Wed
11/15/12
              Thu
11/16/12
                                                                                                                                         dug kalani 831-
11/17/12
               Sat
11/18/12
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All Trips In -

Activity	Excavation						
Date	ID#	Map ID	Basking tracks	Map ID	False Crawls	Map ID	Map ID Landmarks
							East to West
3/23			A1	S			A Pavillion
4/17	1	В	A2	S			B East End
4/17	2	D/E					C Pavillion entrance
4/24			A3	S			D First Path Down
4/26	3	В			A4	B/C	E Last Path Down
4/28			A5	S			F Dead Naupaka
4/30			A6	S			G Dick's Path Down
5/1			A7	S			H Morning Glory East
5/4	4	S	A8	S			I Aki Grass
5/10			A9	S			J Morning Glory West
5/11			A10	S			K Cement Block
5/14	5	В			A11	C/D	L Gravel Hill
5/15	6	С					M Fence Post
5/27			A13	S	A12	С	N River
5/28			A14	S			O Swale 1
5/29	7	S					P Swale 2
5/30	8	D					Q White Cliff
5/30	9	E/F					R Turtle Industry
6/1	10	Q			A15	S C	S Kaiehu Rock
6/2	11	E/F			A16	С	
6/2		_					
6/3	12	В					
6/15	13	В					
6/15	14	R					
6/16	15	G/H					
6/17	16	S					
6/18					A17	S	
6/20	17	Ε			A18	В	
6/20	18	F			A19	С	
6/20	19	N/O	A21	S	A20	Q	
6/21	20	С			A22	В	
6/21	21	D/E					
6/21	22	Ĺ					
6/22	23	В			A23	C/D	

6/22					A24	0
6/24	24	S				
7/3	25	S				
7/4	26	E				
7/5	27	0				
7/8					A25	0
7/8					A26	S
7/10	28	I				
7/16			A27	S		
7/20	29	L				
7/26	30	F			A28	D
7/27	31	F				
7/27	32	F				
8/4			A29	N	A30	Q
8/5	33	0				
8/8			A31	S		
8/9			A32	S		
8/15			A33	S		
8/16			A34	S		
8/20					A35	S
8/21	34	G/H				
8/22	35	L				
8/23					A36	D
8/24	36	0				

Date	Trip#	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	spoiled/	Dead	Live	Successful
		Location		(60 days)		Incubated				undeveloped			Hatches
4/16/12	1	В	2	10-Jun ?	14-Jun		1	6/20	85	1			84
4/16/12	2	D/E	1	10-Jun ?									
4/26/12	3	В	1	25-Jun	28-Jun	63	2	7/27	91	1			90
5/2/12	4	S	2	1-Jul									
5/14/12	5	В	1	13-Jul									
5/15/12	6	С	1	14-Jul	15-Jul	61	3	7/27	78	4		2	74
5/29/12	7	S	2	28-Jul									
5/30/12	8	D	1	29-Jul									
5/30/12	9	E	2	29-Jul									
6/1/12	10	Q	1	31-Jul									
6/2/12	11	E	2	1-Aug									
6/3/12	12	В	1	2-Aug	30-Jul	57	4	8/29	102	3	2		97
6/15/12	13	В	2	14-Aug									
6/15/12	14	R	2	14-Aug									
6/16/12	15	G/H	2	15-Aug									
6/17/12	16	S	1	16-Aug									
6/20/12	17	E	1	16-Aug									
6/20/12	18	F	1	19-Aug									
6/20/12	19	N/O	2	19-Aug									
6/21/12	20	С	3	20-Aug									
6/21/12	21	D/E	2	20-Aug									
6/21/12	22	L	2	20-Aug									
6/22/12	23	В	1	21-Aug	14-Aug	53	5	8/29	86	5	10+1	6	71
6/24/12	24	S	1	22-Aug	27-Aug	65	6	9/3	97	21	1		75
7/3/12	25	S	3	1-Sep									
7/4/12	26	E	4	2-Sep									
7/5/12	27	0	2	2-Sep									
7/10/12	28	I	2	8-Sep	13-Sep	65	7	9/23	101	5	3	2	93
7/20/12	29	L	2	18-Sep	27-Sep	69	8	10/4	91	1			90
7/26/12	30	F	2	24-Sep									
7/27/12	31	F	1	25-Sep									
7/27/12	32	F	4	25-Sep									
8/5/12	33	0	3	4-Oct	7-Oct	63	9	10/14	77	2		1	75
8/21/12	34	G/H	3	20-Oct									
8/22/12	35	L	2	21-Oct									
8/24/12	36	0	1	23-Oct	29-Oct	66	10	11/5	75	2	1	1	72
									883	45	18	12	821
		 											+

atched	hatch	exc	hatch	nesting	
	due date	date	#	trip	
6/14	6/14	4/15	1		2 exc , 1 shallow 20 ft W of B, deeper one - 40 ft east of B in edge of dune - shallow excavation was nest!
	6/1, 6/14	4/15 ?		2	100 ft East of Last Path (E) in edge of dune cutting into trail
6/28	6/25	4/26	2	3	7 ft NW of B
	7/1	5/2		4	base of cliff edge at base of path down from rock shelter - west end of beach
	7/13	5/14		5	10 ft NW of B overlapping nest 3
7/15	7/14	5/15	3	6	30 ft East of C in edge of dune
	7/28	5/29		7	10 ft South of Kaiehu Rock
	7/29	5/30		8	60 ft West of First Path (D) in edge of dune
	7/29	5/30		9	45 ft West of Last path (E) in edge of dune
	7/31	6/1		10	60 ft West of White Cliff (Q) at base of dune
	8/1	6/2		11	30 ft West of Last Path (E) in edge of dune
7/29	8/2	6/3	4	12	10 ft East of B in edge of Kiawe thicket
	8/14	6/15		13	2 exc 20 ft North of B
	8/14	6/15		14	2 exc 100 ft North of Turtle Ind (R)
	8/15	6/16		15	2 exc Between Dick's Path (G) & East Morning Glory in dune (H)
	8/16	6/17		16	40 ft SE of Kaiehu rock (S), 30 ft N of the edge of dune
	8/19	6/20		17	20 ft SW of Last Path (E) in edge of dune - overtop 9-1
	8/19	6/20		18	40 ft S of Dead Naupaka (F), in edge of dune
	8/19	6/20		19	in base of dune 100 ft E of 1st swale (O)
	8/20	6/21		20	directly below marker C in base of dune
	8/20	6/21		21	2 exc between First & Last Paths in base of dune - 140 ft East of E, 16 ft East of nest #2
	8/20	6/21		22	2 exc top of dune 35 and 40 ft South East of Gravel Hill marker
8/14	8/21	6/22	5	23	1 shallow exc, 15 ft E of B - beside nest #12
8/27	8/22	6/24	6	24	45 ft SE of Kaiehu Rock, beside nest #16
	9/1	7/3		25	in #4 at base of cliff at West End of beach
	9/2	7/4		26	4 exc, all at Last Path Down (E) 3 at the base of the trail, on the S side of the marker and 1 to the North of marker E
	9/3	7/5		27	40 ft S of Swale 1 (O) at base of dune, very long mound - marked end of mound with 2 short sticks
9/13	9/8	7/10	7	28	60 ft North of Aki Grass (I)
9/27	9/18	7/20	8	29	11 ft SW of Gravel Hill marker (L) near top of hill on North side
	9/24	7/26		30	30 ft NW of Dead Naupaka (F) - overlapped by #32 used same stake
	9/25	7/27		31	40 ft South of Dead Naupaka (F) in base of dune
	9/25	7/27		32	4 exc, not sure which was last - all marked 28 ft N of F, 10ft NW of F, 30 ft NW of F, 53 ft SW of F
10/7	10/4	8/5	9	33	base of dune 50 ft E of Swale 1 (O)
-	10/20	8/21		34	top of dune 60 ft SW of Dick's Path (G)
	10/21	8/22		35	top of Gravel Hill (L)
	10/23	8/24	+	36	top of dune 12 ft West of Swale 1 (O)

			Due Date	Nest #	
			9/1	25	3 excavations, last one in #4 at base of cliff at Kaiehu Rock (S)
Mike	553 - 4405		9/2	26	4 excavations, all at Last Path Down (E) all marked, uncertain which was last dug
Diane Pike	567- 6595		9/3	27	2 excavations, S of Swale 1 (O) at base of dune,
Helen Coelho	567 - 6468		9/8	28	2 excavations, 60 ft North of Aki Grass (I)
Kathy	553 - 5458		9/18	29	2 excavations, 20 ft NW of Gravel Hill marker (L) at base of hill
Phyllis	553 - 4489		9/24	30	2 excavations, 30 ft NW of Dead Naupaka (F)
Joe			9/25	31	1 excavation, 40 ft South of Dead Naupaka (F) in base of edge of dune
			9/25	32	4 excavations, not sure which was last - all marked 28 ft N of F, 10ft NW of F, 30 ft NW of F, 53 ft SW of
<u>date</u>	<u>day</u>	monitor	hatch #	nest #	Notes -
9/5		Phyllis			
9/6	Thu	Joe			
9/7		Mike			
9/8		Diane			
9/9		Bill & Frances			
9/10		Helen			
9/11		Kathy			
9/12		Mike			
9/13		Diane			
9/14		Mike			
9/15		Diane			
9/16		Bill & Frances			
9/17		Helen ?			
9/18		Kathy			
9/19		Mike			
9/20		Phyllis			
9/21	Fri	Lil			

Preserve Beaches East & West of Kalani Point

Date	Trip#	Map Location		Est Hatch (60 days)	Hatch Date	Days Incubated	Hatch #	Dig Date	Dig Count	spoiled/ undevelop	<u>Dead</u> ed	<u>Live</u>	Successful Hatches
6/13/12		West K		12-Aug									
6/16/12		West K		15-Aug									
6/28/12	628	West K	1	27-Aug	28-Aug	61	1	3-Sep	90	10	2	1	78
7/9/12	709	East K	1	7-Sep									
7/11/12	710	West K	1	8-Sep									
		East K			22-Sep		2	4-Oct	94	27			67
		West K			24-Sep		3				1		
8/16/12	816	West K	4	15-Oct	15-Oct	60	4	5-Nov	81	1			80
8/27/12	827	East K	3	26-Oct									
8/31/12	831	West K	3	30-Oct	5-Nov	66	5	15-Nov	72	2			70
									337	40	3	1	295

Notes

unable to record exact location of excavations reported June 13 & 16

Hatch 2 from unrecorded nest

Hatch 3 from unrecorded nest, found dead hatchling beside crab hole. Many crab & hatchling tracks, unable to find exit area of nest

2012 Prese	monitor	false crawls	Trip#	excs	Est Hatch	Hatch Date	Hatch #	Incubation	dig date	dig count	undevelped	dead	live	successful hatches
13-Jun M	ac Poepoe													
16-Jun D	ebs Maple													
28-Jun Li	l & Helen		628	1	27-Aug	28-Aug	1	61	3-Sep	90	10	2	1	78
8-Jul W	/ailana	2												
9-Jul W	/ailana		709	1	7-Sep									
11-Jul Li	I		710	1	8-Sep									
			724 ?			22-Sep	2		4-Oct	94	27			67
						24-Sep	3					1		
16-Aug E	d		816	4	15-Oct	15-Oct	4	60	5-Nov	81	1			80
27-Aug Li	I		827	4	26-Oct									
31-Aug Li	I / Ed		831	2	30-Oct	5-Nov	5	66	15-Nov	72	2			70
										337	40	3	1	295

Notes

excavations at west end of Preserve - Keonelele - not marked
TNC hike reported fresh excavations at beach below arch site - not marked
fresh exc, long mound staked. Aug 27 no sign of hatch, Aug 29 no tracks - rain, but distinct exit area
west of kalani Point - still visible 7/11
below arch site - marked
200 ft west of 628 - beach to west of Kalani Point
unknown exc date, Diane found hatch at base of dune approx 10 ft South of 827 marker
unknown exc date,Lil found dead hatchling and several tracks near nest 628 west of Kalani pt unable to find exit
long mound - marked exc & mound - 45 ft East of 628/ found exit area for hatch -no tracks, nest had been checked day before for hatch
windblown - maybe several days old - two trips could only ID one last exc - marked
found 9/3 windblown - maybe several days old -Ed saw it 8/31 - looked fresh then

May 7/12	Lil	no seal sighted, fresh tracks at far east end of beach
May 10/13	Lil	no seal sighted, fresh tracks at far east end of beach
July 09/12	Lil	seal basking close to water's edge - Morning Glory East
July 15/12	Bill &	Fi seal basking close to water's edge - Morning Glory East
•		

2013	3		Keys		
Russell	553-5236 ext 6589				
Mon	Bill Feeter	553-9857		yes	
Tues	Kathy Tachibana			yes	
Wed	Helen Coelho			yes	
Thurs	Lil Macmillan			•	
Friday	Mike Grinnell	553-4405			
Saturday	Diane Pike	567-6595		yes	
Sunday	Lil Macmillan	553-9857		yes	

Backup Phyliss Murakami-Siu Joe Kitagawa Margaret Marcom Camie Kimbal

2013 Turtle M	lonitoring	monitor	est rtn	Track width Turtle #	# pits	Est Hatch H	atch Date H	atch #	Incubation	Notes B = basking, FC = false crawl
4/9	Tues									no activty, refreshed all markers
4/13		Lil								no activty
4/17	Wed	Lil								no activty
4/20		Lil								no activty
4/22	Mon	Margaret		B1						Kaiehu Rock below high tide line
4/25	Thurs	Margaret								
4/27		Diane		B2						between Swale 1 & White Cliff
4/29	Mon	Margaret		B3						Turtle Industry
5/2 5/4	Thurs Sat	Margaret Diane		B4 B5						
5/8		Helen		D3						no new activity
5/9	Thu	Margaret								no new activity
5/10	Fri	Mike								no new activity
5/11		Diane								rain - no go
5/12	Sun									
5/13	Mon	Bill & Frances								too wet
5/14	Tue									
5/15	Wed	Helen		B6						Turtle Industry
5/16	Thu	Margaret	5/30	1	1	7/15				shallow, close to water
5/17	Fri	Mike	5/31	2		7/16				N of Aki Grass, close to water
				3	1	7/16				N of Aki Grass, close to water
5/18	Sat	Margaret	6/1	4	2	7/17				N of Dead Naupaka, still digging on way out
5/19	Sun		6/2	A1	1	7/18	7/26		68	N or Gravel Hill
5/19	Sun		6/2	5	1	//18	//26	1	68	NE of East Morning Glory - beach not checked 19th, found 20th
5/20	Mon	Bill & Frances								no new activity
5/20	Tue	Sal or Lightles								no non-source
5/22	Wed	Helen								no new activity
5/23		Phyllis								no new activity
5/24	Fri	Mike								no new activity
5/25	Sat									
5/26	Sun	Kathy								no new activity
5/27	Mon	Bill & Frances								no new activity
5/28	Tue	Kathy								no new activity
5/29		Helen								no new activity
5/30		Phyllis								no new activity
5/31	Fri	Mike								no new activity
6/1 6/2	Sat Sun	Phyllis								no new activity
6/3	Mon	Bill & Frances	6/17		1	8/2				50 ft NE of Morning Glory East
0/3	mon	Dill a l'Idilces	6/17	7	i	8/2				60 ft NE of Morning Glory East - 7 ft west of #6
6/4	Tue	Kathy	0, 11	В7		0.2				Kaiehu Rock
6/5	Wed	Helen	6/19	8	1	8/4				30 ft E of Cement Block
				A2						long track N of Gravel Hill
6/6	Thu	Lil	6/20	9	2	8/5	8/12	2	67	40 ft NW of East Morning Glory
6/7	Fri	Mike		B8						Kaiehu Rock
6/7				B9						Kaiehu Rock
6/8		Diane								no new activity
6/9	Sun	Lil		B10						Kaiehu Rock
				B11						Kaiehu Rock - deformed L hind flipper
6/10		Bill & Frances		540						no new activity
6/11	Tue	Kathy		B12						Kaiehu Rock
				B13 B14						Kaiehu Rock Kaiehu Rock
6/12	Wed	Lil & Camie Kimbal		D14						no new activity
6/13		Helen								no new activity
6/14	Fri	Mike		B15						Kaiehu Rock
6/15	Sat	Diane								no new activity
6/16		Lil		B16						Kaiehu Rock
				B17						Kaiehu Rock
6/17		Bill & Frances								no new activity
6/18		Kathy								no new activity
6/19		Helen		B18						Kaiehu Rock
6/20	Thu	Lil								no new activity
6/21	Fri	Mike	7/5	10	3	8/20				36 ft west of Dead Naupaka still looking on way out
				A3						100 ft N of Aki Grass - <u>very</u> shallow dig at turn around
6/22	Sat	Lil	7/6	11 A4	4	8/21				60 ft N of fence post - still looking on way out
6/23	Sun	Lil	7/7	A4 12	4	8/22				100 ft N of dune between E Morning Glory & Aki Grass <u>very</u> shallow dig at turn around
6/24		Bill & Frances	7/8	12	3		26-Aug	3	63	30 FT S of Cement Block - still looking on way out between Aki Grass & W Morning gl 30 ft N of dune
0/24	MOII	Dill & Flatices	110	B 19	•	6/23	20-Aug	•	63	Turtle Industry
6/25	Tue	Lil		פו ט						no new activity
6/26		Helen								no new activity
6/27	Thu									,
6/28	Fri	Mike								no new activity
6/29		Diane		B20						Kaiehu Rock
				B21						Kaiehu Rock
6/30	Sun	Lil								no new activity
7/1		Bill & Frances								
7/2	Tue	Kathy		B22						Kaiehu Rock
7/3		Helen								no new activity
7/4		Lil		B23/24						Kaiehu Rock
	Fri	Mike								no new activity
7/5										no new activity
7/6	Sat	Diane								
7/5 7/6 7/7 7/8	Sun	Lil& Camie Bill & Frances		B25 A5						no new activity Basking tr at Kaiehu, false crawl N of River

7/9	Tue	Kathy	B26	14	2	9/7					2 shallow exc, 80 ft N of East Morning Glory Kaiehu Rock
7/10	Wed	Helen	520	15	4	9/8					16 ft East of Cement Block - still diging on way out
			A6	16	1	9/8					70 ft W of Cement Block - still digging on way out
7/11	Thu	Lil	Au	17	3	9/9	9/10	4		61	false crawl between first & second swales 60 ft NE of Aki Grass
7/12	Fri	Mike	B27/28	1							Kaiehu Rock
7/13	Sat	Diane									no new activity
7/14 7/15	Sun	Lil Bill & Frances	B29								no new activity Kaiehu Rock
7/16	Tue	Kathy	529								no new activity
7/17	Wed	Phyllis									no new activity
7/18	Thu	Lil									no new activity
7/19	Fri	Mike									no new activity
7/20	Sat	Lil	B30/31								Basking tracks at Kaiehu rock
7/21 7/22	Sun Mon	Lil Bill & Frances									no new activity no new activity
7/23	Tue	Kathy									no new activity
7/24	Wed	Helen									no new activity
7/25	Thu	Lil	B32/33	1							Basking tracks at Kaiehu rock
7/26	Fri	Mike									Hatch #1 - trip #5
			A7			0.04					North of Aki Grass
7/27	Sat	Bradford	A8	18	1	9/24					52 ft East of Cement Block - still digging on way out long false crawl between fence post & river - many very shallow attempts
1121	Jat	Biadioid	Ac	19	- 1	9/25	9/24		5	59	90 ft W of Fence Post - long crawl many shallow attempts - shallow excavation but no attempts on way out
7/28	Sun	Lil				0.20	0.24			•••	no new activity
7/29	Mon										beach not checked - tropical storm Flossie
7/30	Tue										beach not checked - tropical storm Flossie
7/31	Wed										beach not checked - no monitor available
8/1 8/2	Thu Fri	Lil, Bill & Bradford									no new activity - beach very windswept, lots of Dug #5 - 48 empty, 6 undeveloped, 1 dead, 1 live trapped in fish net
8/3	Sat	Lii, Biii & Braulord									beach not checked
8/4	Sun	Lil									no new activity
8/5	Mon	Bill & Frances	B34								Basking track at Kaiehu rock - deformed L flipper - pics
8/6	Tue	Kathy									no new activity
8/7 8/8	Wed	Bill Lil	B35								no new activity
8/8 8/9	Thu Fri	Mike	B35								Basking track at Kaiehu rock no new activity
8/10	Sat	WING									Rain - beach not checked
8/11	Sun	Lil & Camie		20	2	10/10	9-Oct	•	6	59	25 ft North of Dead Naupaka
8/12	Mon	Helen									Hatch #2 - trip #9
8/13	Tue	Lil									3 more tracks from #9
8/14 8/15	Wed Thu	Bill & Frances									no new tracks beach not checked
8/16	Fri	Mike									4 more tracks from #9
8/17	Sat	Diane	B36								1 more track from #9 -windblown from Friday??/ basking track at Kaiehu Rock
8/18	Sun	Lil									no new tracks
8/19	Mon	Helen, Bill & Frances, Camie & Lil									1 more track from #9 - dug nest 85 empty, 2 undeveloped, 15 dead, 18 live
8/20	Tue	Kathy									no new tracks
8/21 8/22	Wed Thu	Bill & Frances									no new tracks
8/23	Fri	Mike									no new tracks
8/24	Sat	Diane									no new tracks
8/25	Sun	Lil									no new tracks
8/26	Mon	Helen	AS								#13 hatched, false crawl between Cement Block & Fence Post
8/27	_			21	5	10/25	10/23	7	7	58	unable to tell which was last one dug all 5 recorded - between 8 & 25 ft from Cement Block
8/27 8/28	Tue Wed	Kathy Bill & Frances									no new tracks - markers for #13 excavation & hatch area moved to another location - sometime Monday no new tracks - markers for #13 excavation & hatch area moved to another location - sometime Monday
8/29	Thu	Lil									markers restored to correct locations - no new tracks reported Tues, Wed or Thurs
8/30	Fri	Mike									no new tracks
8/31	Sat										beach not checked
9/1	Sun	Lil, George Balazs, Bill & Frances, Di	ian & frie	end Larry Bene	der						dig #13 - 82 empty shells, 3 undeveloped
9/2	Mon										beach not checked
9/3 9/4	Tue Wed										beach not checked beach not checked
9/5	Thu	Lil									no new tracks
9/6	Fri	Mike									no new tracks
9/7	Sat	Diane									no new tracks
9/8	Sun	Lil									no new tracks
9/9	Mon	Helen									no new tracks
9/10 9/11	Tue Wed	Bradford Bill & Frances									#17 hatched - small number of tracks large number of tracks out from #17
9/12	Thu	Lil									no new tracks out from #17
9/13	Fri	Mike									no new tracks
9/14	Sat	Diane									no new tracks
9/15	Sun	Lil									beach not checked
9/16 9/17	Mon Tue	Lil, Diane, Joan Aidem, Bill & Frances									beach not checked went to dig nest - rained out rrescedule to Sept 22
9/17	Wed	LII, Diane, Joan Aldern, Dill & Frances									went to dig nest - rained out rrescedule to Sept 22 beach not checked
9/19	Thu										beach not checked
9/20	Fri										beach not checked
9/21	Sat										beach not checked
9/22	Sun	Lil, Diane, Phyllis, Bill & Frances									dig #17 - 88 empty, 1 undeveloped, 2 dead - near surface partially decomosed, nest quite shallow
9/23 9/24	Mon	Helen Kathy									no new tracks
9/24 9/25	Tue Wed	Bill & Frances									Hatch #5 - nest trip #19
9/26	Thu	Lil									
9/27	Fri	Mike									

9/28	Sat	Diane	
9/29	Sun	Lil, Camie, Diane, Bill, Frances, Margaret & Kat	dug #19 - shallow nest, 84 empty shells, 4 undeveloped (1 broken & not saved), 1 dead - decomposed - partial body
9/30	Mon		
10/1	Tue		
10/2	Wed		
10/3	Thu		
10/4	Fri		
10/5	Sat		
10/6	Sun	Lil	
10/7	Mon	Helen	
10/8	Tue	Margaret	
10/9	Wed	Bil & Frances	Hatch #6 - Trip #20 windblown tracks, unable to find exit
10/10	Thu	Lii	2 more tracks out - located exit
10/11	Fri		
10/12	Sat	Diane	1 track
10/13	Sun		
10/14	Mon		
10/15	Tue	Margaret	no new tracks
10/16	Wed	·	
10/17	Thu	Lil, Bill, Margaret & Kat & Marilyn	dig #20 - Hatch #6 - 93 empty shells, 3 undeveloped & 2 live - 1 very vigorous, 1 had a problem with front flipper
10/18	Fri		
10/19	Sat		
10/20	Sun		
10/21	Mon	Lil	no new tracks
10/22	Tue	Margaret	no new tracks
10/23	Wed	Bill & Frances	#21 hatched - hatch #7
10/24	Thu	Lil	several more tracks out
10/25	Fri	Mike	no new tracks
10/26	Sat		
10/27	Sun		
10/28	Mon		
10/29	Tue		
10/30	Wed	Lil, Camie, Diane, Margaret, Marilyn & Kat	dig #21 Hatch #7 - 93 empty shells, 4 undeveloped, 4 dead

All Trips In -

Activity	Excavation							
Date	ID#	Map ID	Basking tracks		False Crawls	Map ID	Map ID	Landmarks
4/22			1	S			East to W	
4/27			2	P/Q			Α	Pavillion
4/29			3	_			В	East End
5/2			4	Р			С	Pavillion entrance
5/4			5	S			D	First Path Down
5/15			6	R			_	
5/16	1	Н					E	Last Path Down
5/17	2	L					F	Dead Naupaka
5/17	3	L					G	Dick's Path Down
5/18	4	F			1	L	H	Morning Glory East
5/19	5	Н					<u>!</u>	Aki Grass
6/3	6	Н					J	Morning Glory West
6/3	7	Н	_	_			K	Cement Block
6/4	_		7	S	_		L	Gravel Hill
6/5	8	K			2	L	M	Fence Post
6/6	9	Н	_	_			N	River
6/7			8	S			0	Swale 1
6/7			9	S			P	Swale 2
6/9			10	S			Q	White Cliff
6/9			11	S			R	Turtle Industry
6/11			12	S			S	Kaiehu Rock
6/11			13	S				
6/11			14	S				
6/14			15	S				
6/16			16	S				
6/16			17	S S				
6/19			18	S	_			
6/21	10	F/G			3	I		
6/22	11	M			4	H/I		
6/23	12	L						
6/24	13	I/J	19	R				
6/29			20	S				
6/29			21	S				
7/2			22	S				
7/4			23	S				

7/4			24	S		
7/8			25	S	5	N
7/9	14	Н	26	S		
7/10	15	K			6	O/P
7/10	16	K/M				
7/11	17	H/I				
7/12			27/28	S		
7/15			29	S		
7/20			30	S		
7/20			31	S		
7/25			32	S		
7/25			33	S		
7/26	18	K			7	l
7/27	19	M/N			8	M/N
				_		
8/5			34	S		
8/8			35	S		
8/11	20	F				
8/17			36	S		
8/26	21	K			9	K/M

Date	Trip#	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	spoiled/	Dead	Live	Successful
		Location		(60 days)		Incubated				undeveloped			Hatches
				, ,									
5/16	1	Н	2	7/15									
5/17	2	L	1	7/16									
5/17	3	L	1	7/16									
5/18	4	F	2	7/17									
5/19	5	Н	1	7/18	26-Jul	68	1	8/2	54	6	1	1	47
6/3	6	Н	1	8/2									
6/3	7	Н	1	8/2									
6/5	8	K	1	8/4									
6/6	9	Н	2	8/5	12-Aug	67	2	8/19	87	2	15	18	70
6/21	10	F/G	3	8/20									
6/22	11	M	4	8/21									
6/23	12	L	4	8/22									
6/24	13	I/J	3	8/23	26-Aug	63	3	9/1	85	3			82
7/9	14	Н	2	9/7									
7/10	15	K	4	9/8									
7/10	16	K/M	1	9/8									
7/11	17	H/I	3	9/9	10-Sep	61	4	9/22	89	1	2		86
7/26	18	K	1	9/24									
7/27	19	M/N	1	9/25	24-Sep	59	5	9/29	88	4	1		83
8/11	20	F	2	10/10	9-Oct	59	6	10/17	96	3		2	93
8/26	21	K	5	10/25	23-Oct	58	7	10/30	97	4	4		89
									596	23	23	21	550

2013 nest	ting trips - K	awa'aloa			
hatched	hatch	exc	hatch	nesting	
natorica	due date	date	#	trip	
	7/15	5/16	n n	1	N of West Morning Glory near the water - stake is missing, may have been washed over by high tides
	7/16	5/17		2	100 ft NE of fence post
	7/16	5/17		3	16 ft West of #2
	7/17	5/18		4	2 excavations NE of Dead Naupaka - both are staked
7/26	7/18	5/19	1	5	50 ft N of East Morning Glory (H)
	8/2	6/3		6	50 ft NE of Morning Glory East (H)
	8/2	6/3		7	60 ft NE of Morning Glory East (H) - 7 ft west of #6
	8/4	6/5		8	30 ft E of Cement Block (K)
8/12	8/5	6/6	2	9	40 ft NW of East Morning Glory (H)
	8/20	6/6		10	36 ft W of Dead Naupaka (F)
	8/21	6/22		11	60 N of Fence Post (M)
	8/22	6/23		12	30 ft S of Cement Block (K)
8/26	8/23	6/24	3	13	between Aki Grass & W Morning glory (I/J) - 30 ft from dune
	9/7	7/9		14	80 ft N of East Morning Glory (H)
	9/8	7/10		15	16 ft E of Cement Block (K)
	9/8	7/10		16	70 ft W of Cement Block (K)
9/10	9/9	7/11	4	17	60 ft NE Aki Grass (I)
	9/24	7/26		18	52 ft E of Cement Block (K)
9/24	9/25	7/27	5	19	90 ft W of Fence Post (M)
10/9	10/10	8/11	6	20	25 ft N of Dead Naupaka (F)
10/23	10/25	8/26	7	21	5 exc, 1 - 25ft E of K, 2 - 8ft E of K, 3 - 23 ft SE of K, 4 - 21 ft W of K, 5 - 19ft W of K

Kathy	553 - 5458	Tuesday		
Helen Coelho	567 - 6468	Wednesday		
Margaret		Thursday	till May 16	
Phyllis	553 - 4489		May 23 & 30	
Mike	553 - 4405	Friday		
Diane Pike	567-6595	Saturday		
dete	desi	i4	2004 #	water Mafaite leastion of waste false availe 9 hooking treate
date	day	monitor	nest #	notes - # of pits, location of nests, false crawls & basking tracks
4/29	Mon	Margaret		
4/30	Tue	Kathy		
5/1	Wed	Helen		
5/2	Thu	Margaret		
5/3	Fri	Mike		
5/4	Sat	Diane		
5/5	Sun			
5/6	Mon	Bill & Frances		
5/7	Tue	Kathy		
5/8	Wed	Helen		
5/9	Thu	Margaret		
5/10	Fri	Mike		
5/11	Sat	Diane		
5/12	Sun			
5/13	Mon	Bill & Frances		
5/14	Tue	Kathy		
5/15	Wed	Helen		
5/16	Thu	Margaret		
5/17	Fri	Mike		
5/18	Sat	Diane		
5/19	Sun			
5/20	Mon	Bill & Frances		
5/21	Tue	Kathy		

Preserve Beaches East & West of Kalani Point

Date Trip # Map # of Pits Est Hatch Hatch Date Days Hatch # Dig Date Dig Count Spoiled/ Dead Live Successful Location (60 days) Incubated Under the Dig Date Dig Count Undeveloped Hatches

12-Jun checked beaches - no sign of activity

Notes

	2014			Keys
Rus	ssell	553-5236 ext 6589		
Mo Tue We Thu	es ed	Helen Coelho Lil Macmillan Camie Kimbal Lil Macmillan	553-9857	yes yes yes
Sat	turday	Mike Grinnell Diane Pike Bill & Frances Feeter	553-4405 567-6595 553-9857	yes yes
		Backup Kathy Tachibana Phyliss Murakami-Siu Margaret Marcom Kat Damron		yes

Camie Thu Lil

Mike Sat

Bradford

A19

B = basking, FC = false crawl Kajehu Rock 4/20 Sun Bill & Frances 6/20 between M & N - shallow top of sand berm between M & N - at edge of sand berm no new tracks - basking track at kalani Point 6/20 28-Jun 68 4/21 Margaret Mon 4/21 4/22 4/23 4/24 4/25 4/26 4/27 no new tracks Wed Camie no new tracks Thu Fri Sat Margaret no new tracks Mike A2 turtle came out of water a few feet and turned back - at 1 А3 large male basking at Kaiehu rock - distictive scar in shell - : Diane Sun Bill & Frances no new tracks 4/28 4/29 no new tracks - turtle basking at kalani pt - Brian sent pictures Mon Helen Tue basking track S nothing new at Kawa'aloa walked to kalani - found eggs on surface, lots of crab activity - see 4/30 Wed Camie A4 pictures - contacted Russell & George - Russell & Kief investigated - turtle had been butchered, old tires used as table 5/1 5/2 5/3 5/4 5/5 **5/6 5/7** 5/8 5/9 Thu Margaret no new tracks basking turtle west end - had scar in shell same as 4/26 A5 Sat Diane Sun Bill & Frances no new tracks Α6 1 short basking track at R 40 ft E of H in base of dune Mon Lil & Kat 7/5 8-Jul 2 63 Tue Diane Wed Camie A7-10 55 ft South of S, 4 basking tracks between S & R no new tracks - checked to Kalani - 1 aborted track 1 basking track at S Thu Fri Margaret A11 no new tracks 1short loop N /M 5/10 5/11 Sat Margaret A12 Sun Bill & Frances 5/12 5/13 Mon A13 1short loop N / M Tue Margaret no new tracks 5/14 5/15 Wed A14 basking track Q/R Camie 25 ft North of S - WASHED OUT - rain Thu Fri Margaret 2 5/16 didn't go - two flat tires on road down Mike 5/17 5/18 Sat Kathy no new tracks North of A - very close to water - WASHED OUT - tides Sun Bill & Frances 5/19 5/20 5/21 Mon Helen no new tracks Tue Kathy no new tracks A15 looping track at S Camie 70 ft ESE of F - checked Kalani - new exc 5/22 30 ft North of S - WASHED OUT - rain 5/22 Thu Margaret 7/21 5/23 Fri Mike A16 white Cliff 5/24 5/25 Sat Diane rain Sun Bill & Frances rain A17 between P&∩ 5/26 5/27 Mon Helen 65 ft NW of D - WASHED OUT - tides Tue Kathy 7/26 28-Jul 15 ft West of M - hard ground, looks shallow 30 ft East of B at edge of kiawe 5/28 Wed 7/27 Diane 5/29 12 59 32 ft East of West Morning gl Thu Margaret 7/28 27-Jul 5/30 5/31 no new tracks no new tracks Fri Mike Sat Diane 6/1 Sun Bill & Frances 13 7/31 3-Aug 5 63 90 ft N or Swale 2 (P) 75 ft East of S - wet from surf - Julio 7/31 6/2 Mon no new tracks 6/3 Tue Kathy no new tracks 6/4 Wed Kat 15 3 8/3 16 ft NE of eastern side of S wet from surf - checked Kalani, fresh exc E of Preserve Path down A18 Kaiehu Rock 6/5 Thu 16 8/4 in bank 30 ft West of C 6/6 6/7 6/8 6/9 6/10 6/11 6/12 6/13 Fri Mike no new tracks Sat no new tracks Kathy Sun 9-Aug 64 ft North of West Morning Glory (J) between D&E, approx 150 ft East of E Mon Kathy 18 19 8/8 Tue 10-Aug Wed Diane no new tracks 20 21 22 Thu 8/11 25 ft West of Gravel Hill marker L Lil 60 ft N of Swale 2 (P) waves washed up to it between Cement Block & fence post Fri Mike 8/12 8/15 Sat Bradford 8/13 6/15 Sun no new tracks - checked to Kala 125 ft NW of fence post low on beach sand - approx 30 ft E of #1&2 - 2 shallow digs on the way 80 ft N of (P) - wet from surf - checked Kalani - new excavation at Preserve path down -1 day old 6/16 Mon 23 8/15 long track no digging on Kalani - day old 6/17 Tue Lil 24 3 8/16 6/18 no new tracks - checked to Kalani 110 ft North of Swale 2 (P) - wet from surf 25 Thu Lil 8/17 6/20 6/21 **6/22** 26 North of Gravel Hill Sat Kath & Bradford no new tracks 100 ft NE of Fence Post (M) - wet from surf Sun Kat 6/23 6/23 Mon Helen 28 29 8/22 8/22 25-Aug between Dick's Path & East Morning Glory - 14ft North of dune base - long mound 9 10 92 ft NE of Swale 1 26-Aug 6/23 6/24 6/25 6/26 6/27 8/22 base of Kaiehu rock -SE corner - very moist sand -wet from surf Tue Wed Lil no new tracks

no new tracks

#2 Hatched - Hatch #1, basking track at S

rained out no new tracks

6/29	Sun	Bill & Frances	31		8/28	29-Aug	11	61	NE of Fence Post in edge of dune
6/30	Mon	Camie	31		0/20	25-Aug		01	NE or rence rost in egg or daile 2 more tracks from #2, no nesting activity
									basking track at S, checked Kalani - 2 new trips at arch path down staked 1- looks 1 day old, W
7/1	Tue	Lil A2							Kalani, 3 new trips, staked 2 - both a few days old, 1 with very shall dig not marked - fresh
7/2	Wed	Helen	32	2	8/31				18 ft NE of Kaiehu Rock - WASHED OUT - surf, no new tracks from #2 no new tracks, water in bottom of #32, checked Kalani - 2 fresh false crawls at W
7/3	Thurs	Lil							Kalani, with exc but digging on way out
7/4	Fri	Mike	33	1	9/3				75 ft West of B - WASHED OUT - surf
			34	4					60 ft N of Fence post
			35	1	9/3				10 ft N of S - WASHED OUT - surf
7/5 7/5	Sat Sat	Diane Lil, Diane, Helen, Mike, Bill & Frances, & ç	36	1	9/3	9/2	12	59	overtop #18 - between D&E in side of dune dug #2 nest - 107 empty, 2 dead & 2 live - all 4 near bottom of nest
7/6	Sun	Bill & Frances A2							und #2 nest = 107 empty, 2 dead & 2 nee - an 4 near bottom of nest between P & Q
7/7	Mon	Helen	37	4	9/5	9/2	13	57	30 ft S of Cement Block
									Hatch #2 - nest 3 - exit area only, no tracks visible, shallow last exc between P & Q
7/8	Tue	Lil & Helen	38	6					near the water - washed out - surf
7/9 7/10	Wed Thurs	Camie	39	5	9/7				2 more tracks from #3, 80 ft N of R - last exc very shallow - wet from surf no new tracks
7710	IIIuis	EII							no new hatch tracks, exc 30 ft west of Cement Block plus 4 very shallow diggings,
7/11	Fri	Mike	40	1	9/9				last one staked but looked shallow
7/12	Sat	Diane	41	5					East of Kaiehu Rock, still digging on way out -wet from surf
7/13	Sun	Bill & Frances A2:	42	1	9/11				30 ft NNE of Last Path Down - E First Path down up to top of dune and bacl
		A2: A2:							First Path down up to top of dune and baci North of Fence Post
7/14	Mon	Helen	43	5	9/12				between Dick's path G and East Morning glory H In top of dune by Kleawe 6o ft SE of H
7/15	Tue	Lil	44			9/9	14	56	in base of dune overlapping #12 - 40 ft E of Gravel Hill - L
									dug #3 Hatch #2 - 100 empty shells, 10 dead, 7 undeveloped, 3 live (one still in shell) dead wer
7/16	Wed	Lil, Helen, Bill, Frances, Diane, Camie							near surface, live at bottom, sand was quite moist- no tracks visible from initial hatch presume a heavy rain shower had washed them out.
7710	*****	Lii, Heleli, Dili, Frances, Diane, Caline							checked Kalani - 2 aborted tracks at East K, new excavation btw 522 & 604 West K
7/17	Thurs	Lil	45	4	9/15				12 ft West of C in base of dune at the bottom of the Pavilion path down partially washed out - surl
7/18	Fri	Mike	A24						basking track at S
7/19	Sat	Diane							no new tracks
7/20 7/21	Sun Mon	Lil							not checked - rain no new tracks, checked Kalani - 522 due - 2 aborted tracks at East Kalani arch trail
7/22	Tues	Helen	46	2	9/19	9/17	15	58	32 ft SE of Cement Block
			47	4	9/19				35 ft North of S - shallow & very close to water - washed out - surf
7/23 7/24	Wed Thu	Camie Lil							no new tracks no new tracks, checked Kalani - 522 due - no new track:
7/25	Fri	Mike							no new tracks, orecled katalii - 322 due - no new tracks
7/26	Sat	Bradford							no new tracks
7/27	Sun	Bill & Frances							Hatch #3 - nest 12 - marked 2 possible exit areas - no clear exit
7/28	Mon	Helen							Hatch #4 - nest 11 between I & J 25 ft from base of dune, Kalani fresh exc E dated 728, 2 very fresh aborted West
7/29	Tue	Lil	48		9/27	9/27	16	60	between 1 a. 2 or from base of unite, kalani fresh exc e dated 728, 2 very fresh aborted west Kalani, 726 exc Bill found 50ft SE of 708
7/30	Wed	Camie			0.2.	0.2.		•••	no new tracks
									50 ft W of C at base of sand bank - waves lapping the mound - Washed out - surf Checked
7/31	Thu	Lil	49	1	9/29				Kalani - 2 fresh false crawls E & W
8/1 8/2	Fri Sat	Mike Kathy & Bradford							no new tracks
8/3	Sun	Bill & Frances							very windy, no sign of hatch tracks or exit, found 1 dead hatchling on shoreline between O &
8/4	Mon	Helen							no new tracks
8/5	Tue	Lil							found very weathered tracks from #13 - assuming the hatch was 8/
8/6	Wed	Camie, Ron, Lil & Bill							no new tracks,# 49 washed out, dug #11 - 53 empty, 19 undeveloped - saved 18 - 1 was broken open
8/7	Thu	Lil							raining - beach not checker
8/8	Fri								beach not checked - tropical storm Iselle
8/9	Sat			_					beach not checked - tropical storm Iselli
8/10	Sun	Bill & Frances	50 51	3		10/7	17	58	30 ft SE of D on top of dune Between H & I 45ft North of base of dune
8/11	Mon	Helen			10/3	10/1	.,	50	no new tracks
									no new tracks, high surf washed out 23, 32, 33, 35, 38, 45, 47,49, check Kalani - Hatch #1 W Kalani
8/12	Tue	Lil							7114
8/13 8/14	Wed Thu	Kathy & Bradford Lil	52	3	10/13	10/14	18	61	no new tracks 80 ft North of River (N) washed over by high surf Oct 9 checked Kalani - Hatch 2 - W 701
8/15	Fri	Mike	32		10/13	10/14		٠.	Hatch # 8 - nest 22
8/16	Sat	Diane							no new tracks
	_								no new tracks, dig #13 35 empty, 65 undevloped, #17 - 105 empty, 5 dead, 2 undeveloped, #19
8/17 8/18	Sun Mon	Bill, Frances, Diane, Ron & Lil Bradford & Kathy							65 empty, 21 undeveloped no new tracks
8/19	Tue	Lil							no new tracks - checked Kalani - 1 new exc W Kalani - a few days old
8/20	Wed	Ron							no new tracks
8/21	Thu	Lil							no new tracks - check Kalan
8/22 8/22	Fri Fri	Mike Bill,Doug Mac, Helen& Lil	53	2	10/21				60 ft ESE of Cement Block - washed over by high surf Oct 9 dug 701 & 701-2 West Kalani - 59 empty, 4 undev / 89 empty, 2 undev/, 2 live
8/22	Sat	Diane	54	1	10/22				dug 701 & 701-2 West Kalani - 59 empty, 4 undev 789 empty, 2 undevi, 2 live 45 ft North of Dicks Path - G
8/24	Sun	Bil & Frances	55						63 ft South of Cement Block
8/25	Mon	Helen							Hatch # 9 - nest 28
8/26 8/27	Tue Wed	Lil Camie, Ron, Bill, Frances, Diane, Mike & I							Hatch #10 - nest 29 2 more tracks hatch 10, dug #22 - 74 empty, 6 undeveloped, 1 dead
8/27	vvea Thu	Lil	-11						2 more tracks natch 10, dug #22 - 74 empty, 6 undeveloped, 1 dead 1 new track from Hatch 9/ cheked Kalani - new exc E Kalani, East 701 hatched
8/29	Fri	Mike							Hatch #11 - nest 31
8/30	Sat	Diane							no new tracks
8/31	Sun	Bill & Frances							1 new track from Hatch 11 no new tracks
9/1	Mon	Helen							no new tracks Hatch 12 - nest 36, Hatch 13 - nest 37- only 2 tracks out??- seemed to be exit depression but only
9/2	Tue	Lil							2 visible tracks/checked Kalani - false crawl W Kalani

			many more tracks from hatch 13, dig 28, 29 & 31 - none were wet from surf, but the sand was
9/3	Wed	Camie, Ron, Bill, Frances, Diane, & Lil	very moist in all three nests #28 - 68 empty shells, 21 undeveloped eggs -1 tiny, 1dead, 1 live - vigorous
			#29 - 94 empty shells, 59 dead - quite decomposed, saved only the most intact - together about
			foot from surface, 1 undeveloped, 1 live - bottom of nest-very sluggish
			#31 - 83 empty shells, 5 undeveloped
9/4 9/5	Thu Fri	Lil Mike	more tracks from nest 37 no new tracks
9/6	Sat	Diane	no new tracks
9/7	Sun	Bill & Frances	1 track from #37
9/8	Mon	Helen	no new tracks
			Hatch #14 - Nest 44/ checked Kalani - E Kalani - hatch #4, W Kalani - Hatch #5 - both unrecorder
9/9	Tue	Lil	nests
9/10	Wed	Camie, Ron, Diane & Lil	dug Ekalani 701 - hatch #3 - 78 empty, 4 undeveloped dug #36 - Hatch #12 - 60 empty, 20 undeveloped - 1 broke - yellow yolk & white, saved 19
			dug #37 - Hatch #12 - 86 empty, 1 live - bottom of nest, 15 dead approx 1 ft down - very moist
			sand
9/11	Thu	Lil	exposed & dry and ants ate out the head
9/12	Fri	Mike	no new tracks
9/13	Sat	Diane	no new tracks
9/14	Sun	Lil & Diane plus guest paddlers	dug #44 - 67 empty, 3 undeveloped & 1 dead
9/15	Mon	Helen	dug #12 - 60 empty, 4 undevelped no new tracks
9/16	Tue	Lil	no new tracks
9/17	Wed	Camie, Ron, Diane & Lil	Hatch #15 - Nest 46
			dug E Kalani unrecorded nest - hatch #4 - 59 empty
			dug W Kalani unrecorded nest - hatch #5 - 81 empty, 35 undeveloped, 3 dead
9/18	Thu	Lii	dug W Kalani -716 - hatch #6 - 64 empty, 3 undeveloped no new tracks
9/19	Fri	Mike	no new tracks
9/20	Sat	Diane	no new tracks
9/21	Sun		beach not checked
9/22	Mon		beach not checked
9/23	Tue	Lil	no new tracks, checked Kalani - hatch #7 E Kalani 728-1, #8 E Kalani 728-2 & #9 -726
9/24 9/25	Wed Thu	Diane, 2 guests, Phyllis, Margaret & Lil	dug #46 - 99 empty, 2 undeveloped, 4 dead, 1 live Ino new tracks no new tracks, checked Kalani - no new tracks
9/26	Fri	Mike	no new tracks
9/27	Sat	Diane	Hatch #16 - #48
9/28	Sun	Diane, Helen, Kathy & 2 guests, Lil, Margaret	dug Kalani - E 728-1 63 empty, 2 dead, 1 undeveloped
			E 728-2 - 82 empty, 6 undeveloped, - kept 5 - 1 broken
9/29	Mon		W 726 - 57 empty, 8 undeveloped, 3 dead beach not checked - next hatch due Oct 9
9/30	Tue		beach not checked - next hatch due Oct 9 beach not checked - next hatch due Oct 9
10/1	Wed		beach not checked - next hatch due Oct \$
10/2	Thu		beach not checked - next hatch due Oct §
10/3	Fri		beach not checked - next hatch due Oct §
10/4	Sat	Lil, Diane, Mike, Margaret & 1 guest	dug #48 - 56 empty shells, 21 undeveloped
10/5	Sun	Margaret Lil	no new tracks / checked Kalani - no new tracks
10/6 10/7	Mon Tue	Helen	no new tracks hatch #17 - #51
10/8	Wed	Camie	no new tracks
10/9	Thu	Lii	no new tracks - HIGH SURF washed over #52 & #50
10/10	Fri	Mike	beach not checked - rain
10/11	Sat		beach not checked
10/12 10/13	Sun Mon	Bill, Frances, Diane, Margaret & Lil	dug #51 - 61 empty shells, 18 undeveloped eggs beach not checked
10/13	IVION		heavy rains previous afternoon, found 1very faint track & very small exit from #5, checked
10/14	Tue	Lil	Kalani no tracks, found exit area for 814
10/15	Wed	Camie	more tracks from nest 52 - some very erratic looping tracks, some appeared to have very short strides
10/16	Thu	Lil Dirac 9 Manager	beach not checked
10/17 10/18	Fri Sat	Lil, Diane & Margaret	no new tracks, Kalani dug 812 - 71 empty, 6 undeveloped, #814 - 82 empty, 2 undeveloped beach not checked - rain from Ana
10/18	Sun		beach not checked - rain from Ana
10/20	Mon	Helen	Hatch #19 #55 - very faint exit area - rain & windswept - no tracks visible
10/21	Tue	Lii	no new tracks
10/22	Wed	Camie	Hatch #20 - #54
10/23	Thu	Lil Mi	no new tracks / checked Kalani - no new tracks
10/24 10/25	Fri Sat	Margaret Lil	no new tracks no new tracks/ checked Kalani -828 hatched - Hatch #12
10/26	Sun		no non agono onconed Italam -vao natoned - mater #12
10/27	Mon	Lil, Diane & Margaret, Helen, Nadine, Phyllis, Bill & Frances	dug #54 - 52 empty shells, 33 undeveloped, 1 tiny
		•	dug #55 - 81 empty shells, 4 undeveloped
			Maria de la companya del companya de la companya del companya de la companya de l
10/30	Thuredov	Lil, Margaret, Diane, Nadine, Phyllis	Kalani - dig 828 - 60 empty shells, 4 undeveloped, 1 live -near surface caught in roots - very vigorous
10/30	inursuay	Lii, margaret, Diane, naunte, Filyins	rigorous
11/20	Thursday	Lil, George & Linda Balazs	visit Kawa'aloa & Kalani nesting sites

All Trips In -

Activity	Excavation ID #	Man ID	Daaliina taala	Man ID	Falsa Onsaala	Man ID		Man ID	Landenante
Date	ID#	wap ID	Basking tracks	wap iD	False Crawls	Map ID		Map ID East to V	Landmarks
								A	Pavillion
4/17			1	S				В	East End
4/20	1	N	'	J				C	Pavillion entrance
4/20	2	N						D	First Path Down
4/25	_	.,			1	N	monitor witnessed the turtle coming		Last Path Down
4/26			2	S	•		lg male turtle basking	F	Dead Naupaka
4/30			3	S			.ga.e tae zaeig	G	Dick's Path Down
5/3			4	S			same turtle as B2	H	Morning Glory East
5/5			5	R				I	Aki Grass
5/6	3	G/H						J	Morning Glory West
5/7	4	S	6	Q/R				K	Cement Block
5/7			7	R				L	Gravel Hill
5/7			8	R/S				М	Fence Post
5/7			9	S				Ν	River
5/9			10	S				0	Swale 1
5/11					2	N/M		Р	Swale 2
5/12					3	N/M		Q	White Cliff
5/14			11	Q/R				R	Turtle Industry
5/15	5	S						S	Kaiehu Rock
5/18	6	В							
5/21					4	S			
5/22	7	E/F							
5/22	8	S		_					
5/23			12	Q	_				
5/26		_			5	P/O			
5/27	10	D							
5/27	11	M							
5/28	9	В							
5/29	12	L							
6/1	13	Р							
6/1	14	S							
6/4	15	S			6	S			
6/5	16	С							
6/8	17	J							

6/9	18	D/E				
6/10	19	Р				
6/12	20	L				
6/13	21	Р				
6/14	22	I/J				
6/16	23	M/N				
6/17	24	Р				
6/19	25	R				
6/20	26	K/M				
6/22	27	K/M				
6/23	28	G/H				
6/23	29	N/O				
6/23	30	S				
6/28			13	S		
6/29	31	M				
7/1			14	S		
7/2	32	S				
7/4	33	B/C				
7/4	34	M				
7/4	35	S				
7/5	36	D/E				
7/6					7	P/Q
7/7	37	K				
7/8	38	O/P				
7/9	39	R				
7/11	40	K				
7/12	41	R/S				
7/13	42	E				
7/13					8	D
7/13					9	M

Kawa'aloa	Nesting T	rips 2014											
Dete	Tuin #	Man	# of Pits	Est Hatch	Hatah Bata	Down	Hatab #	Dia Data	Dia Count		Dood	1	Cussessi
Date	Trip#	Map Location	# Of Pits	(60 days)	Hatch Date	Days Incubated	Hatch #	Dig Date	Dig Count	spoiled/ undeveloped	<u>Dead</u>	Live	Successful Hatches
		Location		(oo days)		Incubated				unacvelopea			Hateries
4/20	1	N	2	6/20									
4/20	2	N	2	6/20	6/28	68	1	7/5	105		2	2	103
5/6	3	G/H	2	7/5	7/8	63	2	7/16	107	7	10	3	90
5/7	4	S		7/6									
5/15	5	S	2	washed out									
5/18	6	В	1	washed out									
5/22	7	E/F	2	7/21									
5/22	8	S		washed out									
5/27	10	D	1	washed out									
5/26	11	М	1	7/26	7/28	62	4	8/6	72	19			53
5/28	9	В	2	7/27									
5/29	12	L	1	7/28	7/27	59	3	9/14	64	4			60
6/1	13	Р	2	7/31	8/3	63	5	8/17	100	65	1		34
6/1	14	S		7/31									
6/4	15	S	3	8/3									
6/5	16	С	2	8/4									
6/8	17	J		8/7	8/9	62	6	8/17	107	2	5		100
6/9	18	D/E	3	8/8									
6/10	19	Р	2	8/9	8/10	61	7	8/17	86	21			65
6/12	20	L	4	8/11									
6/13	21	Р	2	8/12									
6/14	22	I/J	4	8/13	8/15	62	8	8/27	80	6	1		73
6/16	23	M/N	1	washed out									
6/17	24	Р	3	8/16									
6/19	25	R	3	8/17									
6/20	26	K/M	3	8/19									
6/22	27	K/M	5	8/21									
6/23	28	Н	2	8/22	8/25	63	9	9/3	89	21	1	1	67
6/23	29	O/P	3	8/22	8/26	64	10	9/3	95	1	59	1	35
6/23	30	S	3	8/22									
6/29	31	M	1	8/28	8/29	61	11	9/3	88	5			83
7/2	32	S	2	washed out									
7/4	33	B/C	1	washed out									
7/4	34	М	4	9/2									
7/4	35	S	1	washed out								L	
7/5	36	D/E	1	9/3	9/2	59	12	9/10	80	20			60
7/7	37	K	4	9/5	9/2	57	13	9/10	98		15	1	83
7/8	38	P/Q	6	washed out									
7/9	39	R	5	9/7									
7/11	40	K	1	9/9								L	
7/12	41	S	5	9/10									

7/13	42	E	1	9/11									
7/14	43	G/H	5	9/12									
7/15	44	L	5	9/13	9/9	56	14	9/14	70	3	1		66
7/17	45	С	4	washed out									
7/22	46	K	1	9/19	9/17	58	15	9/24	101	2	4	1	95
7/22	47	S	4	washed out									
7/29	48	I/J	3	9/27	9/27	60	16	10/4	77	21			56
7/31	49	С	1	washed out									
8/10	50	D	3	10/9									
8/10	51	H/I	1	10/9	10/7	58	17	10/12	79	18			61
8/14	52	N	3	10/13	10/14	61	18						
8/22	53	K	2	10/21									
8/23	54	G	1	10/22	10/22	60	20	10/27	85	33			52
8/24	55	K	1	10/23	10/20	57	19	10/27	85	4			81
									1668	252	99	9	1317

natched	hatch	exc	hatch	nesting	
atorioa	due date	date	#	trip	
	6/20	4/20		1	NE of River (N) above the edge of sand berm
6/28	6/20	4/20	1	2	between Fence Post (M) & River (N) - 100 ft NE of River - approx 30 ft W of #23
7/8	7/5	5/6	2	3	35 ft W of East Morning Glory (H) in the base of the dune
	7/6	5/7		4	base of dune, 55 ft South of Kaiehu Rock (S)
	-	5/15		5	washed out - river
	-	5/22		6	washed out - surf
	7/21	5/22		7	in edge of dune - 50 ft West of Last Path Down (E)
	-	5/27		8	washed out - river
	7/26	5/27		9	30 ft East of (B)
	-	5/28		10	washed out - surf
7/28	7/27	5/29	4	11	15 ft West of Fence Post (M)
7/27	7/28	6/1	3	12	base of dune, 32 ft East of Gravel Hill (L)
8/3	7/31	6/1	5	13	65 ft N of Swale 2 - P
	7/31	6/4		14	wet - Julio surf - 75 ft East of Kaiehu Rock (S)
	8/3	6/4		15	wet - Julio surf - 16 ft NE of Kaiehu Rock (S)
	8/4	6/5		16	30 FT West of Paviliona Entrance (C)
8/10	8/7	6/8	6	17	64 ft North of West Morning Glory (J)
	8/8	6/9		18	in edge of dune - 150 ft East of Last Path Down (E)
8/10	8/9	6/10	7	19	in edge of dune - 5 ft South of Swale 2 (P)
	8/11	6/12		20	base of dune - 25 ft West of Gravel Hill (L)
	8/12	6/13		21	70 ft North of Swale 2 (P)
8/15	8/13	6/14	8	22	46 ft North of West Morning Glory (J)
	-	6/16		23	washed out - Julio surf
	8/16	6/17		24	wet- Julio surf - 80 ft North of Turtle Industry (R)
	8/17	6/19		25	wet - Julio surf -110 ft North of Turtle Industry (R)
	8/19	6/20		26	100ft NE of Fence Post (M)
	8/21	6/22		27	wet - Julio surf - 100 ft NE of Fence Post (M) - beside #26
8/25	8/22	6/23	9	28	between Dick's Path (G) & East Morning Glory (H) - 14 ft North of dune base
8/26	8/22	6/23	10	29	92 ft NE of Swale 1 (O)
	8/22	6/23		30	wet- Julio surf - base of Kaiehu Rock - SE corner
8/29	8/28	6/29	11	31	50 ft NE of Fence Post in edge of dune
	-	7/2		32	washed out- Julio surf
	-	7/4		33	washed out- Julio surf

	9/2	7/4		34	60 ft N of Fence post
	-	7/4		35	washed out- Julio surf
9/2	9/3	7/5	12	36	over top #18 - between D&E in side of dune
9/2	9/5	7/7	13	37	30 ft S of Cement Block (K)
	-	7/8		38	washed out - Julio surf
	9/7	7/9		39	wet - Julio surf - 80 ft North of Turtle Industry (R)
	9/9	7/11		40	30 ft West of Cement Block (K)
	9/10	7/12		41	wet - Julio surf - 20 ft East of Kaiehu rock (S)
	9/11	7/13		42	30 NNE of Last Path Down (E)
	9/12	7/14		43	60 ft SE of East Morning Glory (H)
9/9	9/13	7/15	14	44	40 ft East of Gravel Hill (L) - overlapping #12
	9/15	7/17		45	partially washed out- Julio surf - 12 ft W of C
9/17	9/19	7/22	15	46	32 ft SE of Cement Block (K)
	-	7/22		47	washed out - Julio surf
9/27	9/27	7/29	16	48	25 ft North of base of dune, between Aki Grass (I) & West Morning Glory (J)
	-	7/31		49	washed out - Julio surf
	10/9	8/10		50	top of bank 30 ft SE of D
10/7	10/9	8/10	17	51	between E Morning glory (H) and Aki Grass (I) 45 ft N of base of dune
10/14	10/13	8/14	18	52	80 ft N or River (N)
	10/21	8/22		53	60 ft ESE of Cement Block (K) - flooded - high surf
10/22	10/22	8/23	20	54	45 ft North of Dicks Path - G
10/20	10/23	8/24	19	55	63 ft South of Cement Block

Camia	553 - 3530			Lil away - May 7 - June 11
Camie Diane	567- 6595			Frances May 6 - June - 5
Helen	567 - 6468			Diane June 6 - June 11
	(208) 661- 6338			Diane June 6 - June 11
Kat Kathy	553 - 5458			
	553 - 5680	4/20/2014	#4	2 excavations - 80 ft NE of Marker N (River) - above the sand berm
Margaret Mike	553 - 5660	4/20/2014	#1 #2	2 excavations - 80 it NE of Marker N (River) - above the sand berm 2 excavations - last one 95 ft NE of Marker N - in the edge of the sand berm
WIKE	553 - 4405	4/20/2014	#2	2 excavations - last one 35 it NE of Marker N - in the edge of the sand berm
data	day	monitor	nest#	notes - # of pits, location of nests, false crawls & basking tracks
<u>date</u>	day	<u>Informitor</u>	nest#	notes - # of pits, location of flests, false crawls & basking tracks
5/5	Mon	Lil & Kat		1 short basking track at R
5/6	Tue	Diane	3	2 exc last one in base of dune 25 ft West of H - East Morning Glory
5/7	Wed	Camie		2 exc last one in base of dune 23 it west of it - Last morning Grory
5/8	Thu	Margaret		
5/9	Fri	Mike		
5/10	Sat	Margaret		
5/10	Sun	Bill & Frances		
5/11	Mon	Helen		
5/12	Tue	Margaret		
5/14	Wed	Camie		
5/15	Thu	Margaret		
5/16	Fri	Mike		
5/17	Sat	Kathy		
5/17	Sun	Bill & Frances		
5/19	Mon	Helen		
5/20	Tue	Kathy		
5/21	Wed	Camie		
5/22	Thu	Margaret		
5/23	Fri	Mike		
5/24	Sat	Diane		
5/25	Sun	Bill & Frances		
5/26	Mon	Helen		
5/27	Tue	Kathy		
5/28	Wed	Diane		
5/29	Thu	Margaret		
5/30	Fri	Mike		
5/31	Sat	Diane		
6/1		Bill & Frances		
6/2	Mon	Helen		
6/3	Tue	Kathy		
6/4	Wed	Kati		
6/5	Thu	Margaret		
6/6	Fri	Mike		
6/7	Sat	Diane		
6/8	Sun	Kat		
6/9	Mon	Helen		
6/10	Tue	Kathy		
6/11	Wed	Diane		
6/11	Thu	Lil		
0/12	Tillu	LII		1

Preserve Beaches East & West of Kalani Point

Date found	Trip#	Map Location	# of Pits	Est Hatch (60 days)	Hatch found	Hatch #	<u>Dig Date</u>	Dig Coun	spoiled/ undevelo	<u>Dead</u> ped	<u>Live</u>	Successful Hatches
5/1/14	501			29-Jun								
5/22/14	522	West K	1	21-Jul								
6/4/14	604	East K	1	3-Aug								
6/4/14	604 -2	West K	1	8/1 ?								
6/17/14	617	East K	2	15-Aug								
7/1/14	630	East K	4	_								
7/1/14	701	East K	1	29-Aug	28-Aug	3	10-Sep	82	4			78
7/1/14	701	West K	4	28-Aug	12-Aug	1	22-Aug	63	4			59
7/1/14	701- 2	West K	1	28-Aug	14-Aug	2	22-Aug	91	2		2	89
7/8/14	708	West K	4?	2-Sep								
unrecorded	nest	East K			9-Sep	4	17-Sep	59				59
unrecorded	nest	West K			9-Sep	5	17-Sep	116	35	3		78
7/16/14	716	West K	1	14-Sep	11-Sep	6	17-Sep	67	3	1		64
7/26/14	726	West K	1	24-Sep	23-Sep	7	28-Sep	64	1	2		61
7/29/14	728 - 1	East K	1	27-Sep	23-Sep	8	28-Sep	88	6			82
7/29/14	728 -2	East K	2	27-Sep	23-Sep	9	28-Sep	65	8	3		54
8/12/14	812	East K	2	11-Oct	9-Oct	10	17-Oct	77	6			71
8/14/14	814	East K	1	13-Oct	14-Oct	11	17-Oct	84	2			82
8/19/14	819	West K	3	18-Oct								
8/28/14	828	East K	1	27-Oct	25-Oct	12	30-Oct	64	4		1	60
		•		•	•			920	75	9	3	837

^{7/1 2} long aborted tracks at very west end of West Kalani - fresh

^{7/3 2} long aborted tracks at very west end of West Kalani - fresh - both had exc but digging on way out

^{7/16} East Kalani - 2 aborted tracks

^{7/21} East Kalani - 2 aborted tracks

^{7/29} West Kalani - 2 long aborted tracks - very fresh

^{7/31} West Kalani - 1 long aborted tracks - very fresh

^{7/31} East Kalani - 1 long aborted track - some digging - West of the arch trail -day old??

2015 Keys

Russell 553-5236 ext 6589

Mon	Helen Coelho	553-9857
Tues	Lil Macmillan	
Wed	Camie Kimbal	
Thurs	Lil Macmillan	
Friday	Mike Grinnell	553-4405
Saturday	Diane Pike	567-6595
Sunday	Bill & Frances Feeter	553-9857

Backup
Kathy Tachibana
Phyliss Murakami-Siu
Margaret Marcom
Nadine Powell
SueAnn Allison

	le Monito	r monitor	est rtn	Turtle #		# pits	Est Hatch I	natch Date n	iatori #	Incubation	Notes B = basking, FC = false crawl
5/4	Mon	Lil & SueAnn									no tracks
5/8	Fri	Helen									no tracks
5/11	Mon	Helen	5/25		1		10-Jul				N of R also found false crawls on Mike's beach
5/14	Thurs	Lil & SueAnn	5/28		2	3	11-Jul	16-Jul	1	65	
5/16	Sat	Lil & SueAnn									no new tracks
5/19	Tues	Lil									no new tracks
5/22	Fri	Helen									no new tracks
5/23	Sat	Diane									rained out
5/24	Sun	Bill & Frances		A1							basking track at S
				AT							
5/25	Mon	Helen									no new tracks
5/26	Tue										
5/27	Wed	Lil		A2							basking track at S
5/28	Thu	Nadine	6/11		3	1	7/27	28-Jul	2	61	35 ft SE of C
					4	3	7/27				15 ft NE of D
5/29	Fri	Lil & SueAnn	6/12	A3							found 3 & 4 - 1 day old, long false crawl between Q & R
				A4							false crawl up to dune between D & E
5/30	Sat	Diane	6/13		5	1	7/29	3-Aug	3	65	52 ft N of H
5/31	Sun	Bill & Frances									no new tracks
6/1	Mon	Helen									no new tracks
6/2	Tue	ricicii									no new traces
6/3	Wed	Lil & Nadine									no new tracks
		LII & INAUINE									IIO HEW RIGORS
6/4	Thu										
6/5	Fri	Lil & SueAnn									no new tracks
6/6	Sat	Diane									no new tracks
6/7	Sun	Bill & Frances									gate locks damaged - unable to get in
6/8	Mon	Helen		A5							basking tracks at S
				A6							basking tracks at S
				A7							basking tracks at S
6/9	Tue	Lil									no new tracks
6/10	Wed	Camie & Ron									no new tracks
6/11	Thu	Lil & SueAnn									no new tracks - found dead sheerwater at S
6/12	Fri	Mike									no new tracks
					_						
6/13	Sat	Diane	6/27		6	1	12-Aug	16-Aug	4	64	60 ft NE of M
6/14	Sun	Bill & Frances		A8							basking track at S
				A9							basking track at S
6/15	Mon	Helen									no new tracks
6/16	Tue	Lil									no new tracks
6/17	Wed	Camie & Ron									no new tracks
6/18	Thu	SueAnn									no new tracks
6/19	Fri	Mike									no new tracks
6/20	Sat	Nadine									no new tracks
6/21	Sun	Bill & Frances									no new tracks
6/22	Mon	Helen									no new tracks
6/23	Tue	пенен									no new tracks
		Camie & Ron									
6/24	Wed										no new tracks
6/25	Thu	SueAnn									no new tracks
6/26	Fri	Mike									no new tracks
6/27	Sat	Diane	7/11								long false crawl at N - many very shallow digs
6/28	Sun	Bill & Frances		A11							basking track at S
6/29	Mon	Helen									no new tracks
6/30	Tue										
7/1	Wed	Lil									no new tracks
7/2	Thu	SueAnn									no new tracks/ Kalani E - 2 fresh nesting trips
7/3	Fri	Mike									no new tracks
7/4	Sat	Diane & Nadine									no new tracks
			7/40								
7/5	Sun	Bill & Frances	7/19		7 1						between D & E in side of dune
				A12							basking track at S
7/6	Mon	Helen	7/20		8 2	!					last exc shallow in base of dune beside #7
7/7	Tue	Lil	7/21		9 2	:					last exc shallow in base of dune at C/W kalani 2 trips in one fresh beside flat rocks - both dated 7715
7/8	Wed	Camie & Ron									no new tracks
7/9	Thu	SueAnn		A13							basking track at S
7/10	Fri	Lil									no new tracks
7/11	Sat	Diane									rained out
7/12	Sun	Bill & Frances	7/26	A14							long false crawl between E & H
7/13	Mon	Helen	7720	A15							long raise craw between E & 11 basking track at S
7/13	Tue	Lil		A16							
7/14	rue	LII									basking track at S
				A17							basking track at S
				A18							basking track at S
7/15	Wed	Camie & Ron		A19							basking track at S
				A20							basking track at S
				A21							basking track at S
7/16	Thu	SueAnn									#2 hatched - Hatch #1
7/17	Fri	Mike									no new tracks
7/18	Sat	Nadine									no new tracks
7/19	Sun	Bill & Frances									no new tracks
7/20	Mon	Helen									no new tracks
7/21	Tue										
7/22	Wed	Lil, Nadine, Bill, F	Frances, He	A22							dug #2 - 76 empty, 1 live, basking track at S
7/23	Thu	SueAnn									no new tracks
7/24	Fri	Mike		A23							basking track at S
				A24							basking track at S
				A25							basking track at S
7/25	Sat	Nadine		A26							basking track at S

7/26	Sun	Bill & Frances A27	basking track at S
7/27	Mon	Helen 8/10 A28	long false crawl between F & H
7/28	Tue	Nadine	#3 hatched - Hatch #2
7/29	Wed	Camie & Ron	no new tracks
7/30	Thu	Lil	no new tracks
7/31	Fri	Mike A29	basking track at S
8/1	Sat		rain
8/2	Sun	Bill & Frances	no new tracks
8/3	Mon	Helen	#5 Hatched - Hatch #3
8/4	Tue	Lil	no new tracks
8/5	Wed	Camie & Ron	a few tracks from #5?rained on not sure
8/6	Thu	Lil	4-5 tracks out from #5
8/7	Fri	Mike	approx 12 tracks out from #5
8/8	Sat	Nadine	no new tracks
8/9	Sun	Bill & Frances	no new tracks
8/10	Mon	Helen	5-6 tracks out from #5
8/11	Tue	Lil, Bill, Frances, Camie, Ron, Nadine, & Lisa Foster	dug #5 - 75 empty shells, 1 undeveloped - broken, 3 dead, 23 live
8/12	Wed	Camie & Ron	no new tracks
8/13	Thu	Lil A30	1 basking track - S/ checked Kalani
8/14	Fri	Mike	no new tracks
8/15	Sat	Nadine	no new tracks
8/16	Sun	Bill & Frances	#6 hatched - Hatch #4
8/17	Mon	Lil	1 new track from #5/ checked Kalani
8/18	Tue	Carrie & Ban	
8/19 8/20	Wed Thu	Camie & Ron	no new tracks
8/20	Fri	Lil, Bill, Frances, Camie, Ron, Nadine, & Mike	dug #6 - 64 empty, 4 undeveloped & 1 live
8/22	Sat	Nadine A31/A32	2 basking tracks at S/ checked Kalani
8/23	Sun	Naume ASTASZ	2 basking tracks at 3/ checked Ralatii
8/24	Mon		
8/25	Tue		
8/26	Wed		
8/27	Thu		
8/28	Fri		
8/29	Sat	Nadine A/33,34,35	3 basking tracks - S
8/30	Sun	Bill & Frances	no new tracks
8/31	Mon	Helen	no new tracks
9/1	Tue	Lil	no new tracks/ checked kalani
9/2	Wed	Camie & Ron	no new tracks
9/3	Thu	Lil	monk seal - Kawa'aloa, juvenile tropic bird - Kalani
9/4	Fri	Mike	no new tracks
9/5	Sat	Diane & Nadine	no new tracks
9/6	Sun	Nadine	no new tracks/Hatch #1 East Kalani 71415
9/7	Mon	Helen	no new tracks
9/8	Tues	Lil	no new tracks
9/9	Wed	Camie & Ron	no new tracks
9/10 9/11	Thurs Fri	Lil	no new tracks / Hatch #2 East Kalani 7215 - only 1 track
9/11	Sat		rain
9/13	Sun	Nadine	no new tracks
9/14	Mon	Helen	no new tracks
9/15	Tue		rain
9/16	Wed		
9/17	Thu	Lil, Bill, Camie & Ron	no new tracks / dug E 7215 & E71415 Kalani hatches #1 & 2
9/18	Fri		
9/19	Sat	Diane & Nadine	no new tracks/ checked Kalani - no new tracks
9/20	Sun		
9/21	Mon		
9/22	Tue	Lil	no new tracks /checked Kalani - no new tracks
9/23	Wed		
9/24	Thu		
9/25	Fri		
9/26	Sat		
9/27	Sun	Holon	
9/28 9/29	Mon Tue	Helen Lil	found windblown exit - no tracks - Kalani E 73015
9/29	Wed	LII	TOUTION WITHOUT WAIT - HO TRACKS - MAINTIE / 30 TO
10/1	Thu		
10/1	Fri		
10/2	Sat		
10/3	Sun		
10/5	Mon	Lil, Margaret & Nadine	dug E73015 - kalani hatch #3 - 75 empty, 1 unhatched/ found hatch #4 E81115
			The second secon
10/6	Tue		
10/6 10/7	Tue Wed		
	Tue Wed Thu		
10/7 10/8 10/9	Wed	Margaret	no new tracks at Kalani
10/7 10/8 10/9 10/10	Wed Thu Fri Sat	Margaret	no new tracks at Kalani
10/7 10/8 10/9 10/10 10/11	Wed Thu Fri Sat Sun	Margaret	no new tracks at Kalani
10/7 10/8 10/9 10/10 10/11 10/12	Wed Thu Fri Sat Sun Mon		
10/7 10/8 10/9 10/10 10/11	Wed Thu Fri Sat Sun	Margaret Lil, Margaret, Ron & Camie, Diane	no new tracks at Kalani dug E81115 Kalani hatch #4 - 75 empty, 3 undeveloped

All Trips In -

Activity Date	Excavation ID #	Map ID	Basking tracks	Map ID	False Crawls	Map ID
5/11	1	R				
5/12	2	С				
5/24			1	S S		
5/27			2	S		
5/28	3	С				
5/28	4	D				
5/29					3	Q/R
5/29					4	D/E
5/30	5	Н				
6/8			5	S		
6/8			6	S		
6/8			7	S		
6/13	6	M				
6/14			8	S		
6/14			9	S		
6/27					10	N
6/28			11	S		
7/5	7	D/E				
7/5			12	S		
7/6	8	D/E				
7/7	9	С				
7/9			13	S		
7/12					14	E/H
7/13			15	S		
7/14			16	S		
7/14			17	S		
7/14			18	S		
7/15			19	S		
7/15			20	S		
7/15			21	S		
7/22			22	S S		
7/24			23	S		
7/24			24	S		
7/24			25	S		

Map ID	Landmarks
East to W	lest est
Α	Pavillion
В	East End
С	Pavillion entrance
D	First Path Down
E	Last Path Down
F	Dead Naupaka
G	Dick's Path Down
Н	Morning Glory East
I	Aki Grass
J	Morning Glory West
K	Cement Block
L	Gravel Hill
M	Fence Post
N	River
0	Swale 1
P	Swale 2
Q	White Cliff
Ř	Turtle Industry
S	Kaiehu Rock
_	

7/25	26	S		
7/26	27	S		
7/27			28	F/H
7/31	29	S		
8/13	30	S		
8/22	31	S		
8/22	32	S		
8/29	33	S		
8/29	34	S		
8/29	35	S		

Manualalaa N	la a time . Tu	in - 004F				1							1
Kawa'aloa N	<u>lesting i r</u>	ips 2015											
Date	Trip#	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	<u>Dig Count</u>	spoiled/	<u>Dead</u>	Live	Successful
		Location		(60 days)		Incubated				undeveloped			<u>Hatches</u>
5/11	1	R	4	7/10									
5/12	2	С	3	7/11	7/16	65	1	7/22	76			1	76
5/28	3	C	1	7/27	7/28	61	2						
5/28	4	D	3	7/27									
5/30	5	Н	1	7/29	8/3	65	3	8/11	76	1	3	23	72
6/13	6	M	1	8/12	8/16	64	4	8/21	68	4		1	72 64
7/5	7	D/E	1	9/3									
7/6	8	D/E	2	9/4									
7/7	9	С	2	9/5									
.,,									220	5	3	25	212
										•			
								<u> </u>					
						1							
						1							
						1							
						1							
						1							

atched	hatch	exc		nesting	
	due date	date	#	trip	
	7/10	5/11		1	4 exc, 50 ft NW of R
7/16	7/11	5/12	1	2	3 exc, at edge of dune, 50 ft W of C
7/28	7/27	5/28	2	3	1 exc, 35 ft SE of C in the Kiawe - shallow digging under the Kiawe brush
	7/27	5/28		4	3 exc, 15 ft NE of D in the base of the dune
8/3	7/29	5/30	3	5	1 exc, 52 ft N or H (East Morning Glory)
8/16	8/12	6/13	4	6	1 exc, 60 ft NE of M
	9/3	7/5		7	1 exc, between D & E in side of dune
	9/4	7/6		8	2 exc, base of dune beside 7
	9/5	7/7		9	2 exc, base of dune at C
			1		
			1		
			1		

Preserve Beaches East & West of Kalani Point

Date found	Trip#	Map Location	# of Pits	Est Hatch (60 days)	Hatch found	Hatch #	Dig Date	Dig Count	spoiled/ undevelop	<u>Dead</u> ed	<u>Live</u>	Successful Hatches
7/2/15	7215	Ekalani	2	8/31	10-Sep	2	9/17	73	1	1		71
7/2/15	7215-2	Ekalani	1	8/29 ?								
7/7/15	7715	Wkalani	1	8/26 ?								
7/7/15	7715	Wkalani	1									
7/14/15	71415	Ekalani	2	9/4 ?	6-Sep	1	17-Sep	71	3			68
7/14/15	71415	Wkalani	2	9/9 ?	•		•					
7/30/05	73015	Ekalani	2	9/28	29-Sep	3	5-Oct	76	1			75
8/11/15	81115	Ekalani	3	10/10	5-Oct	4	13-Oct	78	3			75
								298	8	1		289

8/11/2015 1 seal sleeping at water's edge C/D - Lil -pictures sent to Diane

2016 Keys

Russell 553-5236 ext 6589

Mon	Helen Coelho	553-9857
Tues	Lil Macmillan	
Wed	Camie Kimbal	
Thurs	Lil Macmillan	
Friday	Mike Grinnell	553-4405
Saturday	Diane Pike	567-6595
Sunday	Bill & Frances Feeter	553-9857

Backup
Kathy Tachibana
Phyliss Murakami-Siu
Margaret Marcom
Nadine Powell
SueAnn Allison

2016 Turtle	e Monitoring	est rtn Turtle#		# pits E	Est Hatch Ha	atch Date H	atch #	Incubation	
4/22	Margaret	B1. 2	s						B = basking, FC = false crawl
4/26	Lil	,							walked to Kalani, no activity. West Kalani beach completely washed out - no nesting areas left
4/30 5/3	Diane & Nadine	B3.4	s						no activity all markers are refreshed
5/11	Lil	B5,6,7,8	S						1 basking track had deformed L flipper - seen in previous yrs as basking track only
5/17	Lil	B9	s						deformed L flipper
5/21	Lil	B10	S						deformed L flipper
5/25 5/30	Lil Helen								no tracks no tracks
6/2	Lil	B11,12	S						1 tracks deformed L flipper/ 2 fresh exc on Mike's beach
6/3	Diane		1 S		2-Aug				last one at base of rock bluff - S of S
6/4 6/4	Nadine	B13	2 C/D S	1					not staked - at water's edge, high tide washing out walked to Kalani, no activity.
6/5	Bill & Frances	БІЗ	3						no new tracks
6/6	Lil		3 E	4					all 4 excs at base of sand bank, tried to climb bank, dug excs at base
6/6			4 S	3					last one at base of rock bluff - West of S
6/6 6/9	Lil	B14	S 5 B/C	2					walked to Kalani, no activity. in edge of sand bank, mound being washed over
6/10	Nadine		6 B/C	1					base of sand bank - washed out
6/10	Nadine	B15	S						short track at water's edge
6/11 6/12	Diane Bill & Frances		7 S	1					base of rock cliff near water/new trip on Mike's beach - 2 exc no new tracks
6/13	Helen								no new tracks
6/14	Lil & Elaine								no new tracks
6/15 6/16	Lil	B16, 17	s						1 basking track - deformed L flipper/ checked Kalani - no tracks
6/17	LII	B10, 17	3						i basking track - denomined Emphery oriented relating in tracks
6/18	Diane	B18							deformed L flipper
6/19	Bill & Frances								no new tracks, #7 washed flat
6/20 6/21	Lil & Elaine								no new tracks
6/22									
6/23 6/24	Lil								no new tracks
6/25	Bill		8 S	2	8/24	20-Aug	1	56	in base of dune, beside #1 to East, Bill saw exc on Saturday hike, was dug Thurs or Fri night
6/26	Bill & Frances	B19							, , , , , , , , , , , , , , , , , , ,
6/27 6/28	LILO Eleie								no new tracks
6/28	Lil & Elaine								no new tracks
6/30									
7/1	Nadine								no new tracks
7/2 7/3	Bill & Frances	B20,21,22							basking tracks at west end
7/4	Helen								no new tracks
7/5 7/6	Lil & Elaine	B2	3,24						basking tracks at west end
7/0	Lil	B25							basking track at west end/checked Kalani - no tracks, found dead shearwater no band body eaten
7/8	Nadine	FC1							short crawl beside rock face at west end
7/9 7/10	Diane Bill & Frances		9 S	2	9/8				no new tracks 14 ft West of marker S
7/10	Helen		95	2	9/8				no new tracks
7/12	Lil & Elaine	B26,27							basking tracks at west end/ checked Kalani - no tracks, found second dead shearwater same area very fresh - body eaten, no bands
7/13 7/14	Lil	B28.29.30.							harden harden der and also de Malanda and an also de la contraction and also and allowed and allowed and also and allowed and also and allowed and also and allowed an also also also also also also also also
7/14	LII	B28,29,30,	31 3						basking tracks at west end, checked Kalani -no tracks, picked up both dead birds and disposed of their remains
7/16									rain
7/17	Helen								rain
7/18 7/19	Helen Elaine								no new tracks
7/20									
7/21	Lil Nodine	B32	S	1	9/20	47.0	•	57	40 ft East of aural 2 /D) in adva of annul hank/
7/22 7/22	Nadine George & Marc	B33,34,35,	10 P 36 S	1	9/20	17-Sep	2	5/	40 ft East of swale 2 (P) in edge of sand bank/ George Balazs & Marc Rice satellite tagged 1 basking female turtle with deformed L hind flipper
7/23	George & Marc	B37	S						George Balazs & Marc Rice satellite tagged basking female turtle
7/24									
7/25 7/26	Helen Lil								no new tracks no new tracks
7/27									COLUMN DESIGN
7/28									
7/29 7/30	Nadine Elaine	B38,39	s						no new tracks
7/30	Liallic	550,59	3						
8/1	Helen	B40,41	s						fishing contest - lots of fishermen
8/2 8/3	Lil Camie								turned around - rain
8/4	Nadine	FC 2,B42	11 S,S/F	3					FC at S tracked thru #1, #11 50 ft SE of F - 3 shallow exc, still searching to dig on track out
8/5	Lil	B43	12 S O/F	2	10/4	5-Oct	3	61	between O & P 30 ft N of base of sand dune/ checked Kalani - no tracks or sign of nesting
8/6 8/7	Elaine Bill & Frances								turned back - road wet & slippery
8/8	Helen								

8/9	Camie							
8/10								
8/11	Lil							no new tracks
8/12	Nadine							no new tracks
8/13	Elaine							no new tracks
8/14	Bill & Frances	B44,45,46	S					
8/15	Helen	B47,48,49	S					
8/16 8/17								
8/17		FC3. 1	3 N/O. R/S	2 10/17				long false crawl & #13 found 8/19, looked 1 day old, lots of crab tracks
8/19	Lil		14 O	3 10/17	10/16	4	58	long lates craw a ris lound or is, looked it ad you, riss or crait factors every fresh tracks - 40 ft North of swalet 0) in the edge of the grass on the beach sand
8/20	Nadine		14 0	5 10/10	10/10	-	50	very mean dates - 40 it forth of shale to y in the edge of the grass of the beach said
8/21	radino							rained out
8/22	Helen							no new tracks
8/23								
8/24								
8/25								
8/26	Lil, Helen, Nadine & G	reg Kahn						dug #8, Hatch #1 - 93 empty shells, 4 undeveloped
8/27								
8/28								
8/29 8/30								
8/30 8/31								
9/1	Lil	B50.51.52	s					2 of the basking tracks were from Darby
9/2	Nadine	D30,31,32	3					2 of the bashing tracks were from barby no new tracks
9/3	reduito							TO THE BOOKS
9/4	Bill & Frances							high tides/surf from Lester, washed over 9 & 13
9/5	Helen							no new tracks
9/6	Lil							no new tracks/ walked to end of Preserve beaches
9/7	Camie & Ron							no new tracks
9/8	Lil							no new tracks
9/9	Nadine							rain
9/10 9/11	Bill & Frances							no new tracks - campers & fishermen - tournament no new tracks - campers & fishermen - tournament ATV tracks up and down beach - reported to Russell
9/12	Helen							no new tracks
9/13	TICICIT							rain
9/14	Camie & Ron							turned back - rain
9/15	Lil							turned back - rain
9/16								rain
9/17	Diane & Nadine	B53	S					Hatch #2 - trip #10 - lots of tracks, 1 stuck in roots, basking turtle & basking monk seal
9/18								
9/19 9/20								
9/20								
9/22	Lil							2 faint tracks from #10 - been rained on
9/23	LII							2 family dates from #10 - Decirriance on
9/24	Lil, Nadine, Diane, Hel	en, Bill, France	s, Elaine, Marga	aret, Russel &So	nja			dig #10 - 94 empty shells, 2 dead, 9 live - very tangled in grass roots, unable to exit on their own. Mac reported finding a dead turtle near Kalani. Took pictures, shell measured 19 7/8 inches and tool
9/25				•	•			
9/26								
9/27								
9/28	Camie & Ron							no new tracks
9/29 9/30	Lil Nadine	B54	s					no new tracks
10/1	Diane	B55	S					
10/1	Bill & Frances	200	3					no new tracks
10/3	Helen	B56	S					
10/4	Lil							no new tracks
10/5	Camie & Ron							Hatch #3 - trip #12 - monk seal at S
10/6	Lil							no new tracks
10/7 10/8	Nadine Margaret							no new tracks - monk seal sleeping at S - F24
10/8	wa yarer							no new navvo - monto sea sicephing at 3 - 1 24
10/10								
10/11	Lil, Nadine, Diane, Hel	en, Bill, France	s, Elaine, Marga	aret, Ron & Cami	ie			Dig #12 - 74 empty shells, 6 undeveloped & 2 live
10/12								
10/13	Lil							no new tracks
10/14								
10/15	D.11 0 E	5.53						
10/16 10/17	Bill & Frances	B57	S					
10/17								
10/10								



All Trips In -

Activity Date	Excavation ID #	Map ID	Basking tracks	Map ID	False Crawls	Map ID
4/22			1	S		
4/22			2	S		
5/3			3,4	S		
5/11			5,6,7,8	S		
5/17			9	S		
5/21			10	S		
6/2			11,12	S		
6/3	1	S				
6/4	2	C/D	13	S		
6/6	3	Ε	14			
6/6	4	S				
6/9	5	B/C				
6/10	6		15	S		
6/11	7	S				
6/16			16,17	S		
6/18			18	S		
6/25	8	S				
6/26			19	S		
7/3			20,21,22	S		
7/5			23,24	S		
7/7			25	S		_
7/8	_	_			1	S
7/10	9	S		_		
7/12			26,27	S		
7/14			28,29,30,31	S		
7/21			32	S		
7/22	10	Р	33,34,35,36	S		
7/23			37	S		
7/30			38.39	S		
8/1			40,41	S		
8/4	11	E/F	42	S	2	S
8/5	12	O/P	43	S		
8/14			44,45,46	S		
8/15			47,48,49	S		

Map ID	Landmarks
East to W	est
Α	Pavillion
В	East End
С	Pavillion entrance
D	First Path Down
E	Last Path Down
F	Dead Naupaka
G	Dick's Path Down
Н	Morning Glory East
I	Aki Grass
J	Morning Glory West
K	Cement Block
L	Gravel Hill
M	Fence Post
N	River
0	Swale 1
Р	Swale 2
Q	White Cliff
R	Turtle Industry
S	Kaiehu Rock

8/18	13	R/S			3	N/O
8/19	14	0				
9/1			50,51,52	S		
9/17			53	S		
9/30			54	S		
10/1			55	S		
10/3			56	S		
10/16			57	S		

Kawa'aloa	Nesting T	rips 2016											
Date	Trip#	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	spoiled/	Dead	l iva	Successful
Date	тир#	Location	# 011113	(60 days)	Haten Bate	Incubated	Hatch #	Dig Dute	<u>Dig Count</u>	undeveloped	Dead	LIVE	Hatches
				(or anyo,						шистогорош			110101100
6/3	1	S	4	8/2									
6/4	2	C/D	1										
6/6	3	Е	4										
6/6	4	S	3	8/5									
6/9	5	B/C	2										
6/10	6	С	2										
6/11	7	S	1	8/10									
6/25	8	S	2	8/24	8/20	56	1	8/26	97	4			93
7/10	9	S	2	9/8									
7/22	10	Р	1	9/20	9/17	57	2	9/24	94		2	9	92
8/4	11	F	3	10/3									
8/5	12	O/P	2	10/4	10/5	61	3	10/11	80	6		2	74
8/18	13	R/S	2	10/17									
8/19	14	0	3	10/18	10/16	58	4	10/23	94	3	4	1	87
									365	13	6	12	346
Nata	tuin 0	- la - d 4											
Note	trip 2 - wa trip 3 - wa												
	trip 5 - wa												
	trip 6 - wa												
			onostodky k	by high tides									
				ch checked was	- 6/23								
				s and large sur									
	uip 3 - wa	Union Over I	, mgn nae	o ana large sur	•								
													+
						1					1		

2016 nest	ting trips - K	awa'aloa			
hotok ad	hatab	6375	botak	nooting	
hatched	hatch	exc	natch #	nesting	
	due date	date	#	trip	
	8/2	6/3		1	shallow
	0/2	6/4		2	washed out
		6/6		3	washed out
	8/5	6/6		4	shallow
	8/8	6/9		5	washed out
	8/9	6/10		6	washed out
	8/10	6/11		7	washed over by high tides
8/20	8/23	6/25	1	8	
	9/8	7/10		9	washed over by high tides
9/17	9/20	7/22	2	10	, 5
	10/3	8/4		11	shallow
10/5	10/4	8/5	3	12	
	10/17	8/18		13	washed over by high tides
10/16	10/18	8/19	4	14	

Preserve Beaches East & West of Kalani Point - 2016

Date Trip# Map # of Pits Est Hatch Hatch found Hatch# Dig Date Dig Count spoiled/ Dead Live Successful found Location (60 days) Undeveloped Hatches

0 0 0 0

2017 Keys

Russell 553-5236 ext 6589

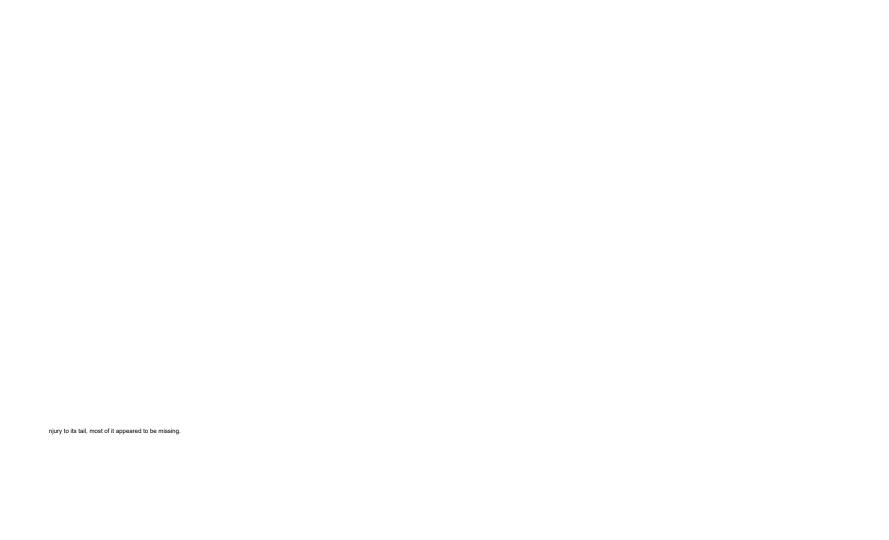
Mon	Helen Coelho	553-9857
Tues	Lil Macmillan	
Wed	Camie Kimbal	
Thurs	Lil Macmillan	
Friday	Mike Grinnell	553-4405
Saturday	Diane Pike	567-6595
Sunday	Bill & Frances Feeter	553-9857

Backup
Kathy Tachibana
Phyliss Murakami-Siu
Margaret Marcom
Nadine Powell
SueAnn Allison

7 Turtie	Monitoring est rtr	Turtle#	Мар	# pits	Est Hatch	Hatch Date Ha	atch # Inc	cubation	Notes B = basking, FC = false crawl
27/2017 3/28	Lif								Diane relayed report from vistoris that found turtle tracks & excavations 3/19 at Mo'omomi walked Kawa'aloa - no tracks visible
	Margaret	B1	s						walked Kalani - found 1 or 2 day old excavations past Kalani point in the base of the dune
	Lil, Margaret & Nadine	FC1	М						
									TNC office signed waivers, Nadine & Lil were issued keys - Lil loaned key to Margaret
	Lil, Margaret & Christi	B 2,3,4,5	S						All markers refreshed. one basking track from "Darby" - deformed L hind flipper walked Kalani - visitor reported excavations West of 4/5 discovery
	Diane Margaret	B6	s						no new tracks
	Margaret	B7,8,9	s						
	Nadine	,-,-	-						no new tracks, walked to Kalani - seal H28 basking at west end of furthest beach
	Bill, Frances, Christi, Kath			Jiane					TNC office - waivers signed, keys issued to Feeters & Diane
4/18	Margaret 2-Mag		1 S	3	17-Jun				24 paces East of marker S
4/20	Diane	B10,11							monk seal tracks at S, monk seal sleeping North of M no new tracks/ rain - unable to check Kalani
	Margaret	B12							no nesting track - Kawa'aloa/checked kalani - 3 new nesting trips approx 1-2 days old
	Lil	B13,14,15,16	3,17S						1 basking track was Darby/ checked Kalani - no new tr
	Camie & Ron								no new tracks
	Diane	B 18, 19	S						
	Nadine Margaret								rain - turned back no new tracks
4/29	wayarer								no new tracks
5/1									road too wet
5/2	Lil, David & Kathy Raab								no new tracks
	Camie & Ron								no new tracks
	Diane								no new tracks - checked to Kalani
	Nadine Flaine	B20	s						no new tracks on Kawa'aloa - found 1 fresh exc at Kalani
	Bill & Christi	B21, 22	S						
	Lil	,							no new tracks - checked Kalani - no new tracks
	Camie & Ron	B23	S						
	Margaret	B24	S						
	Nadine Bill & Christi	B25,26,27,28 B29,30,31,	S S						seal H62
	Margaret	D29,30,31,	3						sea i iuz
	Lil, Diane, Kathy, David, C	amie, Ron, Ma	rgaret, M	lac, Russe	II, Wai, Jam	nes & La?			no new tracks, beach cleanup
	Camie & Ron	B32,33,34,35							checked Kalani - no tracks, seal H75
	Diane	FC2	S						checked Kalani - no tracks
	Nadine Lil	FC3	S						checked Kalani - 3 long false crawls
	Bill & Christi	B36,37	s						no new tracks, checked Kalani - 2 fresh FC at Arch beach, 2 nesting trips at kalani west
	Helen	200,07	2 M	1	7/21	7/22	1	61	50 ft North of marker M
5/23 5/24	Lil, Kathy & David Camie & Ron	B38,39 B40,41,42,43	S						seal at M, checked Kalani - 2 new nesting trips East & West Kalani
5/25 5/26	Nadine	B44	s						
	Elaine		_						no new tracks
	Bill & Christi Helen	B45	S						no new tracks
	Helen I il	B46,47	s						no new tracks checked Kalani - no new tracks - flagged 0405 - due to hatch 6/2
	Camie & Ron	D40,47	Ü						onew tracks - checked Kalani
	Lil	B48,49,50,51	S						checked Kalani - no new tracks
	Elaine								no new tra
	Nadine Lil. Bill & Christi	D=0 =0 = 1							no new tr at Kawa'aloa/ 1 new nesting trip at W Kalani beside Heliotrope Tree west end of Trash beach/ basking turtle - pics
	Helen	B52,53,54	S						new nesting trip at E Kalani - root cast hill no new tracks
	Lil.Kathie & David								no new trat Kawa'aloa, 1 new nesting E Kalani arch site trail, 1 new nesting trip very West end of beach to East of salt flats. 0405 hatched - West Kalani hatch #1
	Camie & Ron								no new tr at Kawa'aloa
6/8									
	Nadine Elaine	B55							no new tr
	Lil, Elaine & Gary, Diane		s						1 long basking track from Darby - picture, replaced #2 center stake dug West Kalani 422 - 95 empty shells, 1 dead, 1 unhatched
	Helen	5, 200,07,00	Ū						on ew tr
6/13	Lil	B59,60,61	S						no new tr at Kalani
	Camie & Ron	B62	S						
	Diane	B63	S						Basking turtle at S
6/16	Nadine Flaine								Basking turtle at S no new tracks
	Christi, Bill & Lil								no new utacks basking turtle at S - no tracks, 2 long false crawls at E Kalani
6/17									compared pictures of Basking Turtle to Diane's - same turtle, looked to be wedged in by driftwood & rocks. Returned to beach, moved wood and it was able to turn around and go back into the water. Had an old?
6/17 6/18	Lil & Doug								no new tracks
6/17 6/18 6/18 6/19	Lil & Doug Helen								no new tracks at Kalani
6/17 6/18 6/18 6/19	Lil & Doug	B64,65	S						
6/17 6/18 6/18 6/19 6/20	Lil & Doug Helen Lil, Kathie & David	B64,65	S 3 I/J	1	8/19	19-Aug	2	60	100 ft East of Cement Block
6/17 6/18 6/18 6/19 6/20 6/21	Lil & Doug Helen Lil, Kathie & David	B64,65		1	8/19	19-Aug	2	60	100 ft East of Cement Block no new tracks at Kawa'aloa, new trip at E Kalani South of 5/23 - close to the water
6/17 6/18 6/18 6/19 6/20 6/21 6/22	Lil & Doug Helen Lil, Kathie & David	B64,65		1	8/19	19-Aug	2	60	100 ft East of Cement Block no new tracks at Kawa aloa, new trip at E Kalani South of 5/23 - close to the water no new tr Kalani or Kawa'aloa
6/17 6/18 6/18 6/19 6/20 6/21 6/22 6/23 6/24	Lil & Doug Helen Lil, Kathie & David	B64,65		1	8/19	19-Aug	2	60	100 ft East of Cement Block no new tracks at Kawa'aloa, new trip at E Kalani South of 5/23 - close to the water

6/26	Helen								no new tr
6/27	Lil, Kathie & David	B66,67,68	S						refreshed all Kawa'aloa markers, E Kalani 6/21 washed by high tides,
6/28 6/29	Camie & Ron								no new tracks - Kawa'aloa only rain beaches not checked
6/30	Nadine								nam Deadles not disched
7/1	Elaine								no new tr at Kawa'aloa, Kalani - W Kalani 16 - not fresh - max 4 days old - Nadine missed it - windblown
7/2 7/3	Bill & Chrisit Helen	B69	O/P 4 I /J	1	9/1	1-Sep	3	60	basking track 10 ft East of #3
7/4	Lil, Kathie & David		4170	•	3/1	госр	•	00	E Kalani #7 1 exc, between K&L East of E5/23 & 6/21, W Kalani #17 2exc at A North of Heliotrope
7/5	Camie & Ron								E Kalani #8 1 exc beside/in 6/04
7/6 7/7	Diane Nadine								no new tracks
7/8	Elaine								no new tracks
7/9	Chrisit & Bill								no new tracks
7/10 7/11	Helen Kathie & David								no new tracks
7/12	Camie & Ron								no new tracks
7/13 7/14	Diane Nadine	B70	0						no new tracks, seal H74 no new tracks, seal H75
7/14	Nadine Elaine	B/U	S						no new tracks, seat 1175 no new tracks
7/16	Chrisit & Bill								W Kalaini - saw turtle crawl up from water, 2 seals H75 & H62
7/17 7/18	David		5 H		9/16	11-Sep	4	55	beach not checked Ekalani #9 between L&K 3exc all marked, W Kalani #9 hatched
7/18	David	FC3	5 н J/K	1	9/16	11-Sep	4	55	Exalani #9 between L&K 3exc all marked, w kalani #9 natched
7/19	Camie & Ron	B71	S						Wkalani #18, 2 exc, at A - N of Heliotrope,
7/20 7/21	Chrisit & Bill Nadine	B72,73	S						no new tracks
7/21	Elaine								#Z Kawa aloa hatched
7/23	Chrisit & Bill	B74	S						
7/24 7/25	Helen David & Kathie								no new tracks no new tracks
7/26	Camie & Ron								no new tracks
7/27	Chrisit & Bill	B75,76	S						H74 at E Kalani, W Kalani #10 at C hatched - no exit found
7/28 7/29	Chrisit & Nadine Flaine								no new tracks no new tracks
7/30	Chrisit & Bill	B77,78	S						
7/31 8/1	Nadine								beach not checked E Kalanii #10 base of arch trail down - may be 1 day old
8/2	Camie & Ron		6 J/K	1	10/1	9/28	5	57	15 yds NW of J, E Kalani #4 6/6 hatched
8/3	Lil & Christi								E Kalani # 5 6/6 at I hatched, W Kalani #19 at A, dug overtop #18
8/4 8/5	Lil, Christi, David & Kathi	ie							dug Kawa'aloa #2 75 empty, 4 live - all at bottom, sand very moist, dug W Kalani #9 - 55 empty, 1 dead no new tracks
8/6	Chrisit & Bill	B79	s						
8/7 8/8	Helen								no new tracks beach not checked
8/9	Camie,Ron, Bill, Christ	i, Mac & Lil							dug E4 & E5 - E4 51 empty, 2 undeveloped, 1 dead, E5- 65 empty, 3 undeveloped
8/10									beach not checked
8/11 8/12	Nadine Lil	B80	s						no new tracks basking track - Darby, Hatch #5 for Wkalani #12 6/16 faint tracks and exit
8/13	Bill & Christi								no new tracks
8/14 8/15	Helen Christi		7 J	,	10/14	10/14	6	60	no new tracks Ekalani #11- edge of dune to east of #10
8/16	Camie & Ron		, ,	-	10/14	10/14	•	00	Examination and the Good Control of the Good C
8/17	Diane								no new tracks
8/18 8/19	Nadine Lil	B81	s						no new tracks found 1 faint track from Kawa'aloa #3, no exit visiblebasking track at S - Darby, . EK #12 - 1 exc, L/N, W14 6/20 hatched - faint tracks & exit/ Nadine's Friday pictures show same
8/20	Lil, Camie, Ron, Diane,	Nadine, Chris	ti, Bill & Mac						Kawa'aloa #3 - 1 track out, exit marked.dug Wkalani #10 & 12, unable to find #10 nest - loose sloping sand at base of dune, no exit found at hatch time, W12 95 empty, 2 undeveloped
8/21 8/22	Lil	B 82							beach not checked 4 more tracks from Kawa'a #3, basking track at S - Darby, no new tracks at Kalani
8/23	Camie & Ron	D 02							no new tracks
8/24	Nadine								Diane couldn't go - H74 found dead at East Mo'omomi
8/25 8/26	Nadine								no new tracks
8/27	Bill & Christi								no new tracks
8/28 8/29	Lil								no new tracks at Kawa'alao. W17 7/4 at Kalani hatched - fresh tracks/clear exit
8/30	Camie & Ron								no new tracks- Kawa'aloa or Kalani
8/31 9/1	Diane Lil, Camie, Ron, Christi,	Flaine & Mac							no new tracks checked Kawa'aloa only dug Kawa'aon 4% - 58 empty, 9 undeveloped - 1 damaged, kept 8/ Kawa'aloa #4 hatched
9/2	Nadine	u mac							no new tracks / possible new tracks out of Kalani W17
9/3 9/4	Christi								no new tracks/ possible new track out Kalani W17
9/5	Lil								no new tracks
9/6 9/7	Lil, Camie, guests Crysta	al Egusa & Des	i Puhi, Elaine 8	& Gary	, & Mac				dug Kawa'aloa #4 - 66 empties & 1 undeveloped/ Camie checked Kalani -
9/8	Nadine								no new tracks
9/9	Elaine I il								no new tracks
9/11									
9/12 9/13	Lil Ron								Kawa'aloa #5 hatched - #4 - looked to be 1 day old, exit marked/ flagged EK9 & Wk18 no new tracks from Kawa'aloa #5/ Kalani W#18 hatched exit marked
9/14	Diane								no new tracks from Nawa aloa #5/ Ralani W#1 to Hatcheu Oxt Hiarkeu no new tracks from Nawa aloa #5/ Ralani W#18 too new tracks out

9/15	Nadine	no new tracks
9/16	Elaine	no new tracks
9/17	Christi	no new tracks
9/18		beach not checked
9/19	Lil, Diane, Christi & Mac	dig Kawa'aloa #5 - 70 empty shells, 4 endeveloped
9/20	Ron	no new tr
9/21		beach not checked
9/22	Nadine	no new tr
9/23	Elaine	no new tr
9/24	Christi	no new tr
9/25		beach not checked
9/26	Lil	no new tr
9/27		beach not checked
9/28	Diane	beach cleanup - Diane, Nadine, Lil, Patricia & Noa, Wailana, James & Ali Kawa'aloa #6 hatched
9/29	Nadine	no new tr
9/30	Elaine	no new tr
10/1	Christi	no new tr
10/2		
10/3	Lil	no new tr
10/4		beach not checked
10/5	Diane	no new tr
10/6		rain, beach not checked
10/7	Elaine, Gary, Lil, Diane, Christi, Patricia, Ali & Raven	no new tr, dug Kawa'aloa #6 - 69 empty shells, 3 undeveloped
10/8	Christi	no new tr
10/9		
10/10	Lil	no new tr
10/11		beach not checked
10/12	Diane	no new tr
10/13	Nadine	no new tr
10/14	Elaine	Kawa'aloa #7 hatched
10/15	Christi	no new tr
10/16		
10/17	Lil	no new tracks
10/18	Camie & Ron, Lil, Diane, Elaine & Mac	dig Kalani west #14,17 & 18 - #14 - 65 empty, 3 undev, #17 - 58 empty, 7 undev, #18 - 61 empty, 1 undev
10/19	Diane	no new tr
10/20	Nadine	no new tr
10/21	Elaine	no new tr
10/22	Christi	no new tr
10/23		rain
10/24		rain
10/25		rain
10/26		
10/27		
10/28	Elaine, Gary, Lil, Diane,Bill, Frances,Margaret, & Ron	dig Kawa'aloa #7 - 66 empty shells, 8 undeveloped



All Trips In -

Activity	Excavation					
Date	ID#	Map ID	Basking tracks		False Crawls	Map ID
4/5			B1	S	FC1	M
4/7			B 2,3,4,5	S		
4/12			B6	S		
4/14		_	B7,8,9	S		
4/18	1	S	B10,11	S		
4/22			B12	S		
4/23			B13,14,15,16,17	S		
4/27			B 18, 19	S		
5/6			B20	S		
5/8			B21, 22	S		
5/10			B23	S		
5/12			B24	S		
5/13			B25,26,27,28	S S		
5/14			B29,30,31,	S		
5/17 5/10			B32,33,34,35	5	FC2	S
5/18 5/24			D26 27	S	FG2	3
5/21 5/22	2	М	B36,37	3		
5/22 5/23	2	IVI	B38,39	S		
5/23 5/24			B40,41,42,43	S		
5/24			B44 B44	S		
5/28			B45	S		
5/30			B46,47	S		
6/1			B48,49,50,51	S		
6/4			B52,53,54	S		
6/10			B55	S		
6/11			B56,57,58	S		
6/13			B59,60,61	S		
6/14			B62	S		
6/15			B63	S		
6/20	•	.,,	B64,65	S		
6/20	3	I/J	D00 07 00	0		
6/27			B66,67,68	S		
7/2			B69	O/P		
7/3	4	I/J	D70	0		
7/14	_		B70	S		
7/18	5	Н	D74	0		
7/19			B71	S		
7/20			B72,73	S		
7/23			B74	S S		
7/26			B75,76	S		
7/30	•	1.717	B77,78	5		
8/2 8/6	6	J/K	B79	S		
				S		
8/12 8/15	7		B80	5		
8/15 8/19	7	J	B81	c		
			B82	S S		
8/22			D0Z	3		

Map ID Landmarks

East to West

- Pavillion Α
- В East End
- С Pavillion entrance
- D First Path Down
- Ε Last Path Down
- F Dead Naupaka
- G Dick's Path Down
- Morning Glory East Н
- Aki Grass 1
- Morning Glory West Cement Block J
- Κ
- L Gravel Hill
- Μ Fence Post
- River Ν
- 0 Swale 1
- Ρ Swale 2
- Q White Cliff
- R Turtle Industry
- S Kaiehu Rock

awa'aloa	Nesting T	rips 2017											
Date	Trip#	Мар	# of Pits	Est Hatch	Hatch Date	Days	Hatch #	Dig Date	Dig Count	spoiled/	Dead	Live	Successfu
Date	тир#	Location	# 011113	(60 days)	Tiaten Bate	Incubated	Haton #	Dig Date		undeveloped	Dead	LIVE	Hatches
4/18	1	S	3	6/17									
5/22	2	М	1	7/21	7/22	61	1	8/4	75			4	75
6/20	3	I/J	1	8/19	8/19	60	2	9/1	67	9			58
7/3	4	I/J	1	9/1	9/1	60	3	9/6	67	1			66
7/18	5	Н	1	9/16	9/11	55	4	9/19	74	4			70
8/2	6	J/K	2	10/1	9/28	57	5	10/7	72	3			69
8/15	7	J	2	10/14	10/14	60	6	10/28	74	8			66
									429	25	0	4	404

	WEST												
Date	Trip#	Мар	# of Pits	Est Hatch	Hatch found	Hatch #	Dig Date	Dig Count	spoiled/	Dead	Live	Successful	<u> </u>
found	•	Location		(60 days)					undevelop	ed		Hatches	
3/19/17	1	D	2	5/18									
4/5/17	2	D	2	6/2	6/6	1	6/11	96	1	1		94	
4/22/17	3	D	1	6/21	6/25	2	7/2	87	3			84	
4/22/17	4	C/D	3	6/21									
4/22/17	5	С	1	6/21									
5/5/17	6	C/D	1	7/4									
5/20/17	7	C/D	1	7/19									
520/17	8	C/D	1	7/19		_							
5/23/17	9	A	2	7/22	7/18	3	8/4	55		1		54	
6/3/17	10	C	1	8/2	7/27	4	8/20						
6/6	11 12	A C	2	8/5 8/15	8/12	_	8/20	97	2			0.5	
6/16 6/20	13	C	1 2	8/15	8/12	5	8/20	97				95	
6/20	14	A	2	8/19	8/18	6	10/18	68	3			65	
6/30/17	15	C	1	8/29	0/10	0	10/10	00	3			65	
71/2017	16	D	1	8/29									
7/4	17	A	2	9/2	8/29	7	10/18	65	7			58	
7/19	18	A	2	9/17	9/13	8	10/18	62	1			61	
8/3	19	A	1	10/2	5,10		10/10		-			· · · ·	
	-												
								530	17	2		511	
	EAST												
5/3/2017	1	L/N	1	7/2									
5/23/17	2	L/K	2	7/22									
6/4/17	3	L/N	4	8/3		_			_				
6/6/17	4	L/N	1	8/4	8/2	1	9-Aug	53	2	1		50	
6/6/17	5	1	1	8/5	8/3	2	9-Aug	68	3			65	
6/21/17	6	L/K	1	8/20 9/2									washed out
7/4/17 7/5/17	7	L/K L/N	3	9/2									
7/18/17	8 9	L/N L/K		9/16									
8/2/17	10	L/K L/N	3	10/1									
8/2/17	10		2	10/14									
8/15/17	12	L/N	1	10/14									
0/19/2017	IΖ	L/IN	I	10/16									
					·			121	5	1		115	

2017 ne	sting trips	- Kawa	'aloa			Notes
nesting	map	exc	hatch	hatch	hatch	
trip	location	date	due date	date	#	
1	S	4/18	6/17			
2	M	5/22	7/21	7/22	1	8/4 dug nest - 75 empty shells, 4 live
3	I/J	6/20	8/19	8/19	2	9/1 dug nest - 58 empty shells, 9 undeveloped
4	I/J	7/3	9/1	9/1	3	9/6 dug nest - 66 empty shells, 1 undeveloped
5	Н	7/18	9/16	9/11	4	9/19 dug nest - 70 empty shells, 4 undeveloped
6	J/K	8/2	10/1	9/28	5	10/7 dug nest - 69 empty shells, 3 undeveloped
7	J	8/15	10/14	10/14	6	10/28/2017 dug nest - 66empty shells, 8 undeveloped
017 ne	sting trips	Fast K	(alani			
nesting	map	exc	hatch	hatch	hatch	
trip	location	date	due date	date	#	
•	l	5/3	7/2	uale	#	
2	L/N L/K	5/23	7/22			
	-		8/3			
3	L/N	6/4	8/3 8/4	0/0	4	Q/O due noot 54 empty shalls 4 dead 2 and and and
4	L/N	6/6		8/2	1	8/9 - dug nest - 51 empty shells, 1 dead, 2 undeveloped eggs
5	1 ///	6/6	8/5	8/3	2	8/9 - dug nest - 65 empty shells, 3 undeveloped eggs
6	L/K	6/21	8/20			washed out
7	L/K	7/4	9/2			
8	L/N	7/5	9/3			
9	L/K	7/18	9/16			
10	L/N	8/2	10/1			
11	L	8/15	10/14			
12	L/N	8/19	10/18			
2017 200	oting tring	Woot I	Kalani			
	sting trips			batab	batab	
nesting	map location	exc date	hatch	hatch	hatch #	
trip 1	D	3/19	due date 5/18	date	#	
				CIE	4	CIAA dura noot. Of amentu aballa 4 dood 4 undavialanad
3	D D	4/5 4/22	6/2 6/21	6/5 6/25	2	6/11 - dug nest - 95 empty shells, 1 dead, 1 undeveloped 7/2 - dug nest - 84 empty shells, 1 pea egg, 2 undeveloped eggs
_				0/∠5		112 - dug nest - 04 empty snens, 1 pea egg, 2 undeveloped eggs
4	C/D	4/22	6/21			
5	C	4/22	6/21			
6	C/D	5/5	7/4			
7	C/D	5/20	7/19 7/19			
8	C/D	5/20		7/40	2	9/4 due most
9	A	5/23	7/22	7/18	3	8/4 dug nest - 55 empty shells, 1 dead, 1 undeveloped egg
10	С	6/3	8/2	7/27	4	8/20 dug - delayed digging - #12 too close. exit wasn't visible, hatch 4 con't - unable to find nest - nest at base of loose sand dune
11	A	6/6	8/5	0/40	_	
12	С	6/16	8/15	8/12	5	8/20 dug nest - 95 empty shells, 2 undeveloped
13	С	6/20	8/19	014-		10/10 1 4 67 4 2 3 3 3
14	A	6/20	8/19	8/18	6	10/18 dug nest - 65 empty, 3 undeveloped
15	С	6/30	8/29			
16	D	7/1	8/29			
17	Α	7/4	9/2	8/29	7	10/18 dug nest - 58 empty, 7 undeveloped
18	Α	7/19	9/17	9/13	8	10/18 dug nest - 61 empty, 1 undeveloped
19	A	8/3	10/2			