

Summary of 25 turtles tagged and resighted  
at Kiholo Bay, Hawaii, 3-5 May 1989

Compiled by George H. Balazs  
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National Marine Fisheries Service, NOAA  
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Inconel Tag No.	Carapace length (cm)		Time interval in years	Growth rate (cm/yr)
	Initial	Recovery		
Y-105	46.0	46.6	0.2	3.0*
8905	41.6	44.8	1.2	2.7
3315	42.9	58.0	9.2	1.6
8947	70.1	70.3	0.8	0.3*
8903	39.1	41.6	1.2	2.1
8702	43.4	47.9	1.5	3.0
Y-102	56.8	56.9	0.2	0.5*
8909	44.8	47.4	1.5	1.7
Y-21	42.0	43.5	0.5	3.0*
Y-133	42.0	42.4	0.5	0.8*
8941	41.9	43.8	1.0	1.9
Y-117	63.0	63.4	0.2	2.0*
7789	57.8	63.4	4.8	1.2
7774	53.0	57.7	4.8	1.0
Y-124	47.3	47.6	0.5	0.6*
8929	42.6	45.3	1.0	2.7
Y-142	52.0	52.1	0.2	0.5*
8716	46.1	47.6	1.2	1.3
Y-96	43.6	44.2	0.2	3.0*
8939	49.3	50.3	1.0	1.0
8712	45.1	46.7	1.5	1.1
Y-2	50.4	51.7	0.5	2.6*
Y-122	51.2	51.7	0.2	2.5*
7785	51.2	59.0	4.7	1.7
7755	42.7	49.2	4.8	1.4
Mean	46.2	--	1.7	1.7
Range	39.1-70.1	--	0.2-9.2	0.3-3.0

\* - Projected growth rates based upon time intervals of <1 year.

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SUMMARY OF TAGGING DATA FOR THE HPA/NMFS GREEN TURTLE  
 RESEARCH PROJECT AT KIHLOLO BAY, HAWAII

Compiled by G. H. Balazs

Tag No.	Straight carapace (cm)		Date/time	Capture method
	Length	Width		
<b>Expedition No. 1, 21-23 October 1987</b>				
<sup>a</sup> 7778, 7779, (8701)	60.6	49.1	10/21, 2230	Hand
8702, 8703	43.4	34.8	10/21, 2245	Hand
8704, 8705, 8706	55.0	43.0	10/21, 2300	Hand
8707, 8708	45.3	44.9	10/22, 1800	Net
8709, 8710, 8711	52.7	--	10/22, 1545	Net
8712, 8713	45.1	36.4	10/23, 0320	Net
<b>Expedition No. 2, 10-12 February 1988</b>				
8714, 8715	42.4	32.9	2/11, 0120	Net
8716, 8717	46.1	37.8	2/11, 0015	Net
8718, 8719	45.6	35.1	2/10, 2230	Hand
8720, 8721	59.2	45.6	2/10, 2300	Hand
8722, 8723	46.5	37.9	2/10, 2330	Net
8724, 8725, 8902	58.7	47.6	2/10, 1830	Net
8903, 8904	39.1	32.9	2/11, 1830	Net
8905, 8906	41.6	34.7	2/11, 1835	Net
<sup>a</sup> 3476, 3477, (8907)	64.3	51.8	2/11, 1845	Net
<sup>a</sup> 7759, 7760, (8908)	56.5	44.9	2/11, 1930	Net

Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Date/time	Capture method
	Length	Width		
8909, 8910	44.8	35.5	2/11, 2030	Hand
8911, 8912, 8913	59.5	47.8	2/11, 2045	Hand
8914, 8915, 8916, 8917	66.5	50.6	2/11, 1930	Net
<b>Expedition No. 3, 27-29 April 1988</b>				
8924, 8925, 8926	71.6	55.4	4/27, 2215	Net
8927, 8928	43.0	34.7	4/27, 2000	Net
8929, 8930	42.6	33.7	4/27, 2000	Net
8931, 8932	42.7	35.3	4/27, 1855	Net
<sup>b</sup> 8720, 8721	59.3	45.6	4/27, 1855	Net
<sup>a</sup> 3317, 7782, (8933, 8934)	65.8	49.5	4/28, 2030	Hand
<sup>a</sup> 7774, (8935, 8936)	57.3	45.3	4/28, 2030	Hand
8937, 8939	40.8	35.0	4/28, 2045	Hand
8939, 8940	49.3	38.9	4/28, 1930	Net
8941, 8942	41.9	34.3	4/28, 1835	Net

<sup>a</sup>Long-term tag recoveries, all of which were originally captured and tagged at Kiholo Bay. Growth data, as measured by an increase in straight carapace length, are as follows:

7778, 7779, (8701)	Originally captured 8/9/84 (3.2 yr interval). Mean yearly growth of 0.87 cm (0.34 in).
3476, 3477, (8907)	Originally captured 10/14/80 (7.3 yr interval). Mean yearly growth of 1.77 cm (0.70 in).

7759, 7760,  
(8908)

Originally captured 8/8/84 (3.5 yr interval).  
Mean yearly growth of 0.83 cm (0.33 in).

3317, 7782,  
(8933, 8934)

Originally captured 3/21/80 (8.1 yr interval).  
Mean yearly growth of 2.02 cm (0.80 in).  
Also recaptured 8/9/84 (3.8 yr interval since present  
capture). Mean yearly growth of 0.6 cm (0.24 in).

7774,  
(8935, 8936)

Originally captured 8/9/84 (3.8 yr interval).  
Mean yearly growth of 1.13 cm (0.45 in).

<sup>b</sup>Short-term tag recovery.

8720 8721

Originally captured and tagged 2-1/2 mo earlier at  
Kiholo Bay on 2/10/88 (during Expedition No. 2).

SUMMARY OF TAGGING DATA FOR THE HPA/NMFS GREEN TURTLE  
RESEARCH PROJECT AT KIHOLO BAY, HAWAII

Compiled by G. H. Balazs

Tag No.	Straight carapace (cm)		Date/time	Capture method
	Length	Width		
<b>Expedition No. 1, 21-23 October 1987</b>				
7778, <sup>a</sup> 7779, (8701)	60.6	49.1	10/21, 2230	Hand
8702, 8703	43.4	34.8	10/21, 2245	Hand
8704, 8705, 8706	55.0	43.0	10/21, 2300	Hand
8707, 8708	45.3	44.9	10/22, 1800	Net
8709, 8710, 8711	52.7	--	10/22, 1545	Net
8712, 8713	45.1	36.4	10/23, 0320	Net
<b>Expedition No. 2, 10-12 February 1988</b>				
8714, 8715	42.4	32.9	2/11, 0120	Net
8716, 8717	46.1	37.8	2/11, 0015	Net
8718, 8719	45.6	35.1	2/10, 2230	Hand
8720, 8721	59.2	45.6	2/10, 2300	Hand
8722, 8723	46.5	37.9	2/10, 2330	Net
8724, 8725, 8902	58.7	47.6	2/10, 1830	Net
8903, 8904	39.1	32.9	2/11, 1830	Net
8905, 8906	41.6	34.7	2/11, 1835	Net
3476, <sup>a</sup> 3477, (8907)	64.3	51.8	2/11, 1845	Net
7759, <sup>a</sup> 7760, (8908)	56.5	44.9	2/11, 1930	Net

## Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Date/time	Capture method
	Length	Width		
8909, 8910	44.8	35.5	2/11, 2030	Hand
8911, 8912, 8913	59.5	47.8	2/11, 2045	Hand
8914, 8915, 8916, 8917	66.5	50.6	2/11, 1930	Net
<b>Expedition No. 3, 27-29 April 1988</b>				
8924, 8925, 8926	71.6	55.4	4/27, 2215	Net
8927, 8928	43.0	34.7	4/27, 2000	Net
8929, 8930	42.6	33.7	4/27, 2000	Net
8931, 8932	42.7	35.3	4/27, 1855	Net
8720, <sup>b</sup> 8721	59.3	45.6	4/27, 1855	Net
3317, <sup>a</sup> 7782, (8933, 8934)	65.8	49.5	4/28, 2030	Hand
7774, <sup>a</sup> (8935, 8936)	57.3	45.3	4/28, 2030	Hand
8937, 8939	40.8	35.0	4/28, 2045	Hand
8939, 8940	49.3	38.9	4/28, 1930	Net
8941, 8942	41.9	34.3	4/28, 1835	Net
<b>Expedition No. 4, 28-30 June 1988</b>				
8709, <sup>b</sup> 8710 8711	54.3	42.6	6/28, 2300	Hand
8716, <sup>b</sup> 8717	46.0	37.5	6/28, 2300	Hand
8707, <sup>b</sup> 8708	46.2	37.4	6/28, 2300	Hand

## Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Date/time	Capture method
	Length	Width		
8704, <sup>b</sup> 8705 8706	56.0	44.1	6/28, 2330	Hand
8943, 8944	42.2	34.4	6/28, 2330	Hand
8702, <sup>b</sup> 8703	45.3	36.0	6/28, 2330	Hand
8945, 8946	49.7	38.7	6/28, 2330	Hand
8947, 8948 8949	70.1	55.5	6/28, 1900	Hand
7778, <sup>b</sup> 7779 8701	61.6	50.4	6/29, 2300	Hand
8712, <sup>b</sup> 8713	45.2	36.5	6/29, 2300	Hand
3951, 3952	55.1	43.3	6/29, 2330	Hand

<sup>a</sup>Long-term tag recoveries, all of which were originally captured and tagged at Kiholo Bay. Growth data, as measured by an increase in straight carapace length, are as follows:

7778, 7779, (8701)	Originally captured 8/9/84 (3.2 yr interval). Mean yearly growth of 0.87 cm (0.34 in.).
3476, 3477, (8907)	Originally captured 10/14/80 (7.3 yr interval). Mean yearly growth of 1.77 cm (0.70 in.).
7759, 7760, (8908)	Originally captured 8/8/84 (3.5 yr interval). Mean yearly growth of 0.83 cm (0.33 in.).
3317, 7782, (8933, 8934)	Originally captured 3/21/80 (8.1 yr interval). Mean yearly growth of 2.02 cm (0.80 in.). Also recaptured 8/9/84 (3.8 yr interval since present capture). Mean yearly growth of 0.6 cm (0.24 in.).
7774, (8935, 8936)	Originally captured 8/9/84 (3.8 yr interval). Mean yearly growth of 1.13 cm (0.45 in.).

<sup>b</sup>Short-term tag recovery.

8720, 8721 8711	Originally captured and tagged 2 1/2 mo earlier at Kiholo Bay on 2/10/88 (during Expedition No. 2).
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- 8709, 8710 Originally captured and tagged 8 mo earlier at Kiholo Bay on 10/22/87 (Exp. No. 1). Estimated mean yearly growth of 2.4 cm (0.94 in.).
- 8716, 8717 Originally captured and tagged 4 1/2 mo earlier at Kiholo Bay on 2/11/88 (Exp. No. 2). Estimated mean yearly growth of 0 cm (0 in.).
- 8707, 8708 Originally captured and tagged 8 mo earlier at Kiholo Bay on 10/22/87 (Exp. No. 1). Estimated mean yearly growth of 1.3 cm (0.53 in.).
- 8704, 8705  
8706 Originally captured and tagged 8 mo earlier at Kiholo Bay on 10/21/87 (Exp. No. 1). Estimated mean yearly growth of 1.5 cm (0.59 in.).
- 8702, 8703 Originally captured and tagged 8 mo earlier at Kiholo Bay on 10/21/87 (Exp. No. 1). Estimated mean yearly growth of 1.5 cm (0.59 in.).
- 7778, 7779  
8701 Recaptured 8 mo earlier at Kiholo Bay on 10/21/87 (Exp. No. 1). Originally tagged at Kiholo Bay on 8/9/84. See footnote a.
- 8712, 8713 Originally captured and tagged 8 mo earlier at Kiholo Bay on 10/23/87 (Exp. No. 1). Estimated mean yearly growth of 0 cm (0 in.).



Summary of growth rates  
for 15 green turtles, Chelonia mydas, tagged  
and recaptured at Kiholo Bay, Hawaii

H. GROW RATE: G.H.S.

Compiled by George H. Balazs

SOUTHWEST FISHERIES CNTR  
HONOLULU LABORATORY  
2570 DOLE STREET  
HONOLULU HI-96822-2396

Primary tag No.	Initial straight carapace length cm	Recapture interval in year	Growth rate in cm/year
7770	38.0	4.2	1.57
7751	45.7	4.2	1.76
7755	48.7	4.6	1.30
7768	50.4	4.2	1.98
3526	52.6	7.7	1.32
7759	56.5	3.5	0.83
7774	57.3	3.8	1.13
7776	57.5	4.6	1.00
3315	58.2	9.0	1.70
7778	60.6	3.2	0.87
7789	63.2	4.3	0.79
3476	64.3	7.3	1.77
3317	65.8	8.9	1.83
3499	67.4	8.0	1.20
3487	70.4	8.3	1.50

$n = 15$   
 $\bar{x} = 1.37$  cm/yr

Summary of 24 green turtles tagged and resighted  
at Kiholo Bay, Hawaii, 18-20 October 1989

Compiled by George H. Balazs  
National Marine Fisheries Service, NOAA

Inconel tag No.	Carapace length (cm)		Weight (lb)	Notation
	Straight standard/notch	Curved		
18-19 October 1989 (5 turtles)				
8702, 03 (Y251LH)	49.0/48.7	52.0	34.5	NP; a; photo of 8702
8909, 10	49.0/48.8	52.0	41.0	NP; a
Y252, 53	44.8/44.4	48.0	25.5	NP
8712, 13	47.7/46.7	50.5	32.0	NP; a
8709, 10, 11	56.6/56.2	60.5	58.0	NP
19-20 October 1989 (19 turtles)				
8934, 35, 7782, 3317	65.9/ --	70.0	86.0	
7751, 52, Y1	48.2/ --	52.0	34.0	LHF line mutilation
7785, 86, Y303	59.6/59.2	63.0	67.0	NP; a
8935, 36, 7774	57.9/ --	62.0	58.0	a
8937, 38	44.3/44.1	46.5	31.0	
Y105, 06	47.9/ --	51.0	34.0	a; photo of Y105
Y111, 12	44.5/44.2	47.0	27.0	
8716, 17	49.1/ --	52.5	43.0	a; damaged PC's
Y124, 25	48.8/ --	51.0	37.0	a; damaged PC
7770, 71, Y25	47.9/47.7	51.5	38.8	
Y255, 56	41.8/41.5	44.5	21.0	P
Y248, 49	49.2/48.8	51.5	37.0	a
Y2, 3	53.0/52.7	56.0	53.0	P; a
8903, 04	43.5/42.8	45.0	27.0	a
Y245, 46	51.7/51.4	55.0	44.0	a
Y257, 58	53.5/53.0	56.5	40.5	NP
Y259, 60	41.8/41.4	44.5	23.0	P
Y261, 62	42.4/41.7	44.5	22.0	NP; 3.5 cm barn
Y263, 64	49.5/49.0	52.0	41.0	NP

Hawksbill hand-captured, 19 October 1989, at 2230 hours

Y254, D095, D097	32.9/31.2	34.5	9.5	Photos
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NP - Nonprudent behavior (9 total).

P - Prudent behavior (3 total).

a - Turtle also captured during HPA No. 7, 3-5 May 1989 (12 total).

All turtles deeply engraved with Dremel moto tool on first lateral left.  
All HPA No. 7 turtles had been engraved on second lateral left. Substantial regrowth apparent during the 5-month interval.

New tags applied during HPA No. 8 - Y251-Y264 (14 total).

Kiholo, GHB

Summary of 15 turtles tagged at  
Kiholo Bay, Hawaii, 13-15 May 1973

SOUTHWEST FISHERIES CNTR  
HONOLULU LABORATORY  
2570 DOLE STREET  
HONOLULU HI 96822-2396

George H. Balazs

Monel size 49 tag No.	Straight carapace length (cm)	Date, time, and remarks
602	52.4	5/13 p.m. - 5/14 a.m.
603	41.9	5/13 p.m. - 5/14 a.m.
604	45.7	5/13 p.m. - 5/14 a.m.
605	66.0	5/13 p.m. - 5/14 a.m.
607	47.6	5/14, 1400 h
608	49.7	5/14, 1400 h
609	37.3	5/14, 1900 h green alga on shell
610	42.9	5/14, 1900 h light brown shell
611	41.3	5/14, 1900 h blind on left eye
612	47.6	5/14 p.m. - 5/15 a.m.
614	63.2	5/14 p.m. - 5/15 a.m.
615	50.5	5/14 p.m. - 5/15 a.m.
616	64.1	5/14 p.m. - 5/15 a.m.
617	44.6	5/14 p.m. - 5/15 a.m.
618	43.5	5/14 p.m. - 5/15 a.m.

Size range - 37.3-66.0 cm

Salinity readings near net (low tide)

Surface - 7 ppt

8-ft depth - 28 ppt

SUMMARY OF TAGGING DATA FOR THE HPA/NMFS GREEN TURTLE  
RESEARCH PROJECT AT KIHOLE BAY, HAWAII

Compiled by G. H. Balazs

Tag No.	Straight carapace (cm)		Weight lb	Date/time	Capture method
	Length	Width			
Expedition No. 1, 21-23 October 1987 (6 turtles, 1 tag resighting)					
7778, <sup>a</sup> 7779, (8701)	60.6	49.1	--	10/21, 2230	Hand
8702, 8703	43.4	34.8	--	10/21, 2245	Hand
8704, 8705, 8706	55.0	43.0	--	10/21, 2300	Hand
8707, 8708	45.3	44.9	--	10/22, 1800	Net
8709, 8710, 8711	52.7	--	--	10/22, 1545	Net
8712, 8713	45.1	36.4	--	10/23, 0320	Net
Expedition No. 2, 10-12 February 1988 (13 turtles, 2 tag resightings)					
8714, 8715	42.4	32.9	--	2/11, 0120	Net
8716, 8717	46.1	37.8	--	2/11, 0015	Net
8718, 8719	45.6	35.1	--	2/10, 2230	Hand
8720, 8721	59.2	45.6	--	2/10, 2300	Hand
8722, 8723	46.5	37.9	--	2/10, 2330	Net
8724, 8725, 8902	58.7	47.6	--	2/10, 1830	Net
8903, 8904	39.1	32.9	--	2/11, 1830	Net
8905, 8906	41.6	34.7	--	2/11, 1835	Net
3476, <sup>a</sup> 3477, (8907)	64.3	51.8	--	2/11, 1845	Net
7759, <sup>a</sup> 7760, (8908)	56.5	44.9	--	2/11, 1930	Net

## Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Weight lb	Date/time	Capture method
	Length	Width			
8909, 8910	44.8	35.5	--	2/11, 2030	Hand
8911, 8912, 8913	59.5	47.8	--	2/11, 2045	Hand
8914, 8915, 8916, 8917	66.5	50.6	--	2/11, 1930	Net

## Expedition No. 3, 27-29 April 1988 (10 turtles, 3 tag resightings)

8924, 8925, 8926	71.6	55.4	102	4/27, 2215	Net
8927, 8928	43.0	34.7	24	4/27, 2000	Net
8929, 8930	42.6	33.7	25.5	4/27, 2000	Net
8931, 8932	42.7	35.3	26.5	4/27, 1855	Net
8720, <sup>b</sup> 8721	59.3	45.6	65.5	4/27, 1855	Net
3317, <sup>a</sup> 7782, (8933, 8934)	65.8	49.5	82.5	4/28, 2030	Hand
7774, <sup>a</sup> (8935, 8936)	57.3	45.3	56	4/28, 2030	Hand
8937, 8939	40.8	35.0	24	4/28, 2045	Hand
8939, 8940	49.3	38.9	37.5	4/28, 1930	Net
8941, 8942	41.9	34.3	22.5	4/28, 1835	Net

## Expedition No. 4, 28-30 June 1988 (11 turtles, 7 tag resightings)

(Note: All 6 turtles captured during Exp. No. 1 were recaptured on Exp. No. 4)

8709, <sup>b</sup> 8710 8711	54.3	42.6	49.5	6/28, 2300	Hand
8716, <sup>b</sup> 8717	46.0	37.5	33	6/28, 2300	Hand
8707, <sup>b</sup> 8708	46.2	37.4	30.5	6/28, 2300	Hand

## Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Weight lb	Date/time	Capture method
	Length	Width			
8704, <sup>b</sup> 8705 8706	56.0	44.1	51.5	6/28, 2330	Hand
8943, 8944	42.2	34.4	23.5	6/28, 2330	Hand
8702, <sup>b</sup> 8703	45.3	36.0	27.5	6/28, 2330	Hand
8945, 8946 (Found dead floating in Kiholo Bay on 8/19/88--likely gill net mortality)	49.7	38.7	35.5	6/28, 2330	Hand
8947, 8948 8949	70.1	55.5	99	6/28, 1900	Hand
7778, <sup>b</sup> 7779 8701	61.6	50.4	71	6/29, 2300	Hand
8712, <sup>b</sup> 8713	45.2	36.5	29	6/29, 2300	Hand
3951, 3952	55.1	43.3	50.5	6/29, 2330	Hand
<b>Expedition No. 5, 26-28 October 1988 (21 turtles, 12 tag resightings)</b>					
7751, <sup>a</sup> 7752 (Y-1)	45.7	34.7	27.5	10/26, --	--
8909, <sup>b</sup> 8910	45.7	35.8	33.5	10/26, --	--
8903, <sup>b</sup> 8904	40.3	33.9	21.5	10/26, --	--
3526, <sup>a</sup> 3527 (Y-15)	52.6	40.5	41.5	10/26, --	--
7768 <sup>a</sup> (Y-16, Y-17)	50.4	39.0	39.0	10/26, --	--
7789, <sup>a</sup> 7790 (Y-18)	63.2	49.8	76.0	10/26, --	--
Y-2, Y-3	50.4	41.7	47.5	10/26, --	--
Y-4, Y-5	41.0	33.0	21.5	10/26, --	--
Y-6, Y-7	41.0	32.9	24	10/26, --	--

Y-8, Y-9, Y-10 56.2 42.7 53.5 10/26, -- --  
 Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Weight lb	Date/time	Capture method
	Length	Width			
Y-11, Y-12	52.5	41.4	45	10/26, --	--
Y-13, Y-14	48.4	38.4	33.5	10/26, --	--
8722, <sup>b</sup> 8723	46.8	37.8	26.5	10/27, 1815	Net
Y-23, Y-24	42.1	34.7	24	10/27, 1830	Net
3951, <sup>b</sup> 3952	55.3	43.5	49	10/27, 1830	Net
7770, <sup>a</sup> 7771	44.6	34.9	29	10/27, 1930	Net
8939, <sup>b</sup> 8940	49.6	39.0	38	10/27, 2030	Net
3499, <sup>a</sup> 3500 3501	67.4	54.3	87	10/27, 2130	Net
7778, <sup>b</sup> 7779 8701	61.8	50.4	78.0	10/27, 2200	Hand
Y-19, Y-20	44.9	34.4	26	10/27, 2230	Hand
Y-21, Y22	42.0	33.6	24	10/27, 2230	Hand
Expedition No. 6, 1-3 March 1989 (29 turtles, 9 tag resightings)					
Y-94, Y-95	41.3	33.9	24.0	3/1, 2230	Hand
Y-96, Y-97	43.6	35.9	27.0	3/1, 2230	Hand
Y-98, Y-99, Y-100	53.8	42.1	47.0	3/1, 2300	Hand
3315, <sup>a</sup> 3316 (Y-101)	58.2	46.5	62.0	3/1, 2230	Hand
Y-102, Y-103, Y-104	56.8	44.1	57.0	3/1, 2300	Hand
Y-105, Y-106	46.0	35.6	29.5	3/1, 2300	Hand
Y-107, Y-108	47.2	36.3	31.5	3/1, 2230	Hand
3487, <sup>a</sup> 3488 (Y-109, Y-110)	70.4	54.1	92.5	3/1, --	Net
8931, <sup>b</sup> 8932	43.6	35.9	28.0	3/1, 2300	Hand

## Summary of tagging data (Kiholo Bay).--Continued.

Tag No.	Straight carapace (cm)		Weight lb	Date/time	Capture method
	Length	Width			
8903, <sup>b</sup> 8904	41.0	40.6	24.5	3/1, --	Net
Y-111, Y-112	43.6	36.0	25.5	3/1, --	Net
8722, <sup>b</sup> 8723	46.9	37.5	33.5	3/1, --	Net
Y-113, Y-114	43.9	35.2	26.0	3/1, --	Net
7776, <sup>a</sup> 7777 (Y-115, Y-116)	57.5	45.6	62.0	3/1, --	Net
Y-117, Y-118, Y-119	63.0	47.8	68.0	3/1, --	Net
Y-120, Y-121	47.6	37.4	36.5	3/1, --	Net
Y-122, Y-123	51.2	39.7	44.5	3/1, --	Net
Y-124, Y-125	47.3	37.3	35.5	3/2, 2230	Hand
7755, <sup>a</sup> 7756 (Y-126)	48.7	39.8	39.5	3/2, 2300	Hand
Y-127, Y-128	47.3	37.9	34.5	3/2, 2300	Hand
Y-2, <sup>b</sup> Y-3	50.9	42.9	47.5	3/2, 2230	Hand
Y-129, Y-130	52.5	41.6	46.5	3/2, 2330	Hand
Y-131, Y-132	54.2	40.5	45.0	3/2, 2330	Hand
Y-133, Y-134	42.0	32.8	--	3/2, 2230	Hand
Y-135, Y-136, Y-137	61.5	48.8	90.0	3/2, --	Net
Y-138, Y-139	42.6	37.2	--	3/2, --	Net
3317, <sup>a</sup> 7782, 8933, 8934	65.8	49.5	--	3/2, --	Net
Y-140, Y-141	45.9	37.4	--	3/2, --	Net
Y-142, Y-143	52.0	40.0	--	3/2, --	Net



\*Long-term tag recoveries, all of which were originally captured and tagged at Kiholo Bay. Growth data, as measured by an increase in straight carapace length, are as follows:

7778, 7779, (8701)	Originally captured 8/9/84 (3.2 yr interval). Mean yearly growth of 0.87 cm (0.34 in.).
3476, 3477, (8907)	Originally captured 10/14/80 (7.3 yr interval). Mean yearly growth of 1.77 cm (0.70 in.).
7759, 7760, (8908)	Originally captured 8/8/84 (3.5 yr interval). Mean yearly growth of 0.83 cm (0.33 in.).
3317, 7782, (8933, 8934)	Originally captured 3/21/80 (8.1 yr interval). Mean yearly growth of 2.02 cm (0.80 in.). Also recaptured 8/9/84 (3.8 yr interval since present capture). Mean yearly growth of 0.6 cm (0.24 in.). Also recaptured 3/2/89, but no change in carapace length since capture of 4/28/88. Therefore 1.83 cm/yr for 8.9 yr.
7774, (8935, 8936)	Originally captured 8/9/84 (3.8 yr interval). Mean yearly growth of 1.13 cm (0.45 in.).
7751, 7752 (Y-1)	Originally captured 8/8/84 (4.2 yr interval). Mean yearly growth of 1.76 cm (0.69 in.).
3526, 3527 (Y-15)	Originally captured 3/5/81 (7.7 yr interval). Mean yearly growth of 1.32 cm (0.52 in.).
7768 (Y-16, Y-17)	Originally captured 8/9/84 (4.2 yr interval). Mean yearly growth of 1.98 cm (0.78 in.).
7789, 7790 (Y-18)	Originally captured 8/30/84 (4.3 yr interval). Mean yearly growth of 0.79 cm (0.31 in.).
7770, 7771	Originally captured 8/9/84 (4.2 interval). Mean yearly growth of 1.57 cm (0.62 in.).
3499, 3500 3501	Originally captured 10/18/80 (8.0 yr interval). Mean yearly growth of 1.20 cm (0.47 in). Also recaptured 8/30/84 (4.3 yr interval since present capture). Mean yearly growth of 0.26 cm (0.10 in).
3315, 3316 (Y-101)	Originally captured 3/21/80 (9-yr interval). Mean yearly growth of 1.7 cm (0.67 in).
3487, 3488 (Y-109, Y-110)	Originally captured 10/16/80 (8.3-yr interval). Mean yearly growth of 1.5 cm (0.59 in).
7776, 7777 (Y-115, Y-116)	Originally captured 8/9/84 (4.6-yr interval). Mean yearly growth of 1.0 cm (0.39 in).

7755, 7756 Originally captured 8/8/84 (4.6-yr interval).  
(Y-126) Mean yearly growth of 1.3 cm (0.51 in).

<sup>b</sup>Short-term tag recoveries.

8720, 8721 Originally captured and tagged 2 1/2 mo earlier at  
8711 Kiholo Bay on 2/10/88 (during Expedition No. 2).

8709, 8710 Originally captured and tagged 8 mo earlier at Kiholo  
Bay on 10/22/87 (Exp. No. 1). Estimated mean yearly  
growth of 2.4 cm (0.94 in.).

8716, 8717 Originally captured and tagged 4 1/2 mo earlier at  
Kiholo Bay on 2/11/88 (Exp. No. 2). Estimated mean  
yearly growth of 0 cm (0 in.).

8707, 8708 Originally captured and tagged 8 mo earlier at  
Kiholo Bay on 10/22/87 (Exp. No. 1). Estimated mean  
yearly growth of 1.3 cm (0.53 in.).

8704, 8705 Originally captured and tagged 8 mo earlier at Kiholo  
8706 Bay on 10/21/87 (Exp. No.1). Estimated mean yearly  
growth of 1.5 cm (0.59 in).

8702, 8703 Originally captured and tagged 8 mo earlier at Kiholo  
Bay on 10/21/87 (Exp. No. 1). Estimated mean yearly  
growth of 1.5 cm (0.59 in.).

7778, 7779 Recaptured at Kiholo Bay on 10/21/87 (Exp. No. 1) and  
again on 10/27/88 (Exp. No. 5). Originally tagged at  
Kiholo Bay on 8/9/84. See footnote a. Mean yearly  
growth of 0.93 cm (0.37 in) since originally tagged 4.3  
yr ago.

8712, 8713 Originally captured and tagged 8 mo earlier at Kiholo  
Bay on 10/23/87 (Exp. No. 1). Estimated mean yearly  
growth of 0 cm (0 in.).

8909, 8910 Originally captured and tagged 7 1/2 mo earlier at Kiholo  
Bay on 2/11/88 (during Exp. No. 2). Estimated mean  
yearly growth of 1.44 cm (0.57 in).

8903, 8904 Originally captured and tagged at Kiholo Bay on 2/11/88  
(during Exp. No. 2). Recaptured on 10/26/88 (Expedition  
No. 5). Mean yearly growth of 0.83 cm (0.33 in) since  
2/11/88.

8722, 8723 Originally captured and tagged at Kiholo Bay on 2/10/88  
(during Exp. No. 2). Recaptured on 10/27/88 (Expedition  
No. 5). Mean yearly growth of 0.37 cm (0.15 in) since  
2/10/88.

- 3951, 3952 Originally captured and tagged 4 mo earlier at Kiholo Bay on 6/29/88 (during Exp. No. 4). Estimated mean yearly growth of 0.60 cm (0.24 in).
- 8931, 8932 Originally captured and tagged 10 months earlier at Kiholo Bay on 4/27/88 (Expedition No. 3). Estimated mean yearly growth of 1.08 cm (0.42 in).
- Y-2, Y-3 Originally captured and tagged 4 months earlier at Kiholo Bay on 10/26/88 (during Expedition No. 5).

A HPA/NMFS green turtle assessment and tagging study for six expeditions, 10/21/87 through 3/3/89 (16 months):

72 different turtles handled ranging 39.1-71.6 cm in straight carapace length.

Distribution of size classes in 5 cm increments, as follows:

35-40 cm	1 (1%)
40-45 cm	22 (31%)
45-50 cm	17 (24%)
50-55 cm	10 (14%)
55-60 cm	11 (15%)
60-65 cm	5 (7%)
65-70 cm	3 (4%)
70-75 cm	3 (4%)