

BALAZS 7/10/11 7/12/2012
Composition

KAWAINUI

8-4-2010 MWP N=16 (New=3)

9-3-10 MWP N=19 (New=9)

9-17-10 Scherman N=8 (New=2)
p. 60-68

11-30-10 MWP

3-18-11 MWP

100 Sheets • 200 Pages • Wide Ruled

9 3/4 x 7 1/2 in. • 24.7 x 19.0 cm



NORCOM

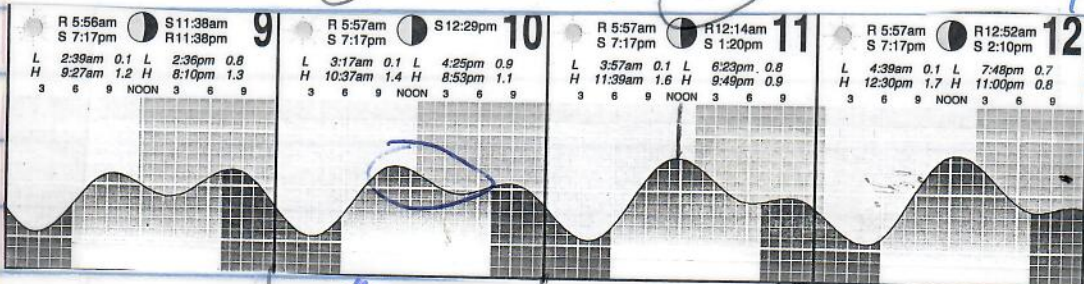
3-30-11 Scherman

2 OF 2

119

KAWAII

WES^o JULY 2012 Thursday



↑
MW Perry
N=10
(8 Recaptures,
2 New)
NO TUMORS

MW Perry
N=3
ALL Recaptures
NO TUMORS

N=8
5 new
3 Recap (new)
1 Tumor (new)
1 sick (new)

TOTAL = 21
14 Recap
7 New

Sea Turtle Tagging Form

Version 2 - Aug 2010



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Turtle ID

Data Recorded By **WMARKS**

Capture Information

Date: **7/10/2012** Island: **Oahu** Study Site: **Kawainui** Species: **CM** EI LO
 Hand: **Scoop Net** Hand/Shorkel: Net: Island Zone: Location: **MW Perny's** Sex: **M** F **U**
 Capture Method: **Scoop Net** Basking: Latitude: Longitude: Recapture: **Y** N
 Stranding: New Tags: Y **N**

Old Tags

New Tags

PIT (LHF): **4601705479** PIT (RHF): **4602407164**
 PIT (LFF): PIT (RFF):
 Tag (LHF): Tag (RHF):
 Tag (LFF): Tag (RFF):
 Old MT: Other Tag:

Tag ():
 Other:
 New MT: Other:

Visual Examination

Tumors

Tumors	Y	N	Oral Tumors Visible	Y	N	1	2	3	4
Tumor Score	<input checked="" type="radio"/>	<input type="radio"/>	Emaciation Code	<input checked="" type="radio"/>	<input type="radio"/>				
Dorsal Barnacles	<input checked="" type="radio"/>	<input type="radio"/>	Ventral Barnacles	<input type="radio"/>	<input checked="" type="radio"/>				
Leeches	<input type="radio"/>	<input checked="" type="radio"/>	Leech Eggs	<input type="radio"/>	<input checked="" type="radio"/>				
Flipper Amputated	<input type="radio"/>	<input checked="" type="radio"/>	Carapace Damage	<input type="radio"/>	<input checked="" type="radio"/>				
Fish Hook	<input type="radio"/>	<input checked="" type="radio"/>	Fishing Line	<input type="radio"/>	<input checked="" type="radio"/>				
Boat Impact	<input type="radio"/>	<input checked="" type="radio"/>	Shark Attack	<input type="radio"/>	<input checked="" type="radio"/>				
PPS	<input checked="" type="radio"/>	<input type="radio"/>	Photos	<input type="radio"/>	<input checked="" type="radio"/>				

Dorsal Measurements

Ventral Measurements

SCL (cm): **55.2** Lat1 (cm): **—**
 Notch (cm): **54.7** Lat2 (cm): **—**
 SCW (cm): **40** Lat3 (cm): **—**
 CCL (cm): **59.0** Plastron (cm): **43.7**
 CCW (cm): **48.0** Tail (cm): **11.5**
 Head (cm): **8.5** Vent (cm): **7.5**
 RFF (cm): **9.3** Weight (lbs): **49.3**

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

• Subsurface (soft) lump on left para vertebral neck area; blood taken from right side
 • 7 central scutes
 Acanthophora in mouth

Samples Y N **NIST: 22.5 mL blood, scute scrape**

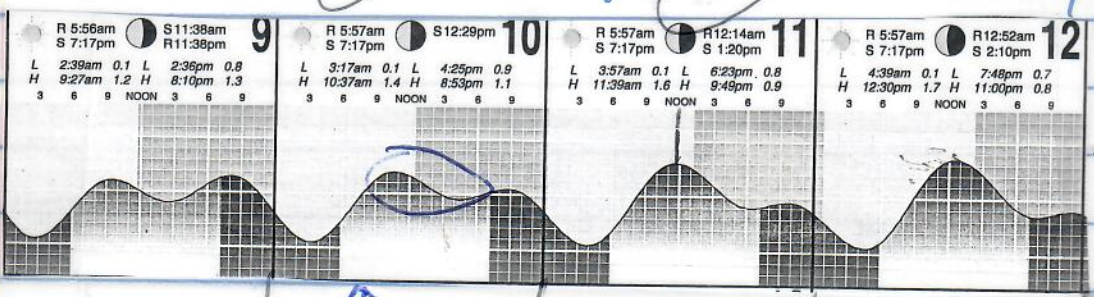
Release Date: **7/10/12** Release Site: **Kawainui**

9:35 capture
3 amphipods COLLECTED
 3 amphipods

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KAWAII

WES JULY 2012 Wed Thursday



<p>↑ MW Perry N=10 (8 recaptures, 2 new) NO TUMORS</p>	<p>MW Perry N=3 ALL recaptures NO TUMORS</p>	<p>N=8 5 new 3 recap 1 tumor (new) 1 sick (new)</p>
<p>TOTAL= 21 14 Recap 7 New</p>		

Sea Turtle Tagging Form

Version 2 - Aug 2010

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Turtle ID

Data Recorded By **WMARKS**



Capture Information

Date: **7/10/2012** Island: **Oahu** Study Site: **Kawainui** Species: **CM** EI LO
 Hand: **Scoop Net** Hand/Snorkel: **Basking** Net: **Stranding** Island Zone: **Perry's** Location: **Perry's** Sex: **M** F U
 Recapture: **Y** N New Tags: **Y** N

Old Tags

PIT (LHF): **4601705479** PIT (RHF): **4602407164**
 PIT (LFF): PIT (RFF):
 Tag (LHF): Tag (RHF):
 Tag (LFF): Tag (RFF):
 Old MT: Renewed: Other Tag:

New Tags

Tag:
 Other:
 New MT: Other:

Dorsal Measurements

SCL (cm): **55.2**
 Notch (cm): **54.7**
 SCW (cm): **40**
 CCL (cm): **59.0**
 CCW (cm): **48.0**
 Head (cm): **8.5**
 RFF (cm): **9.3**

Ventral Measurements

Lat1 (cm): **-**
 Lat2 (cm): **-**
 Lat3 (cm): **-**
 Plastron (cm): **43.7**
 Tail (cm): **11.5**
 Vent (cm): **7.5**
 Weight (lbs): **49.3**

Visual Examination

Tumors	Y	N	Oral Tumors Visible	Y	N	1	2	3	4
Tumor Score	<input checked="" type="radio"/>	<input type="radio"/>	Emaciation Code	<input checked="" type="radio"/>	<input type="radio"/>				
Dorsal Barnacles	<input checked="" type="radio"/>	<input type="radio"/>	Ventral Barnacles	<input checked="" type="radio"/>	<input type="radio"/>				
Leeches	<input type="radio"/>	<input checked="" type="radio"/>	Leech Eggs	<input type="radio"/>	<input checked="" type="radio"/>				
Flipper Amputated	<input type="radio"/>	<input checked="" type="radio"/>	Carapace Damage	<input type="radio"/>	<input checked="" type="radio"/>				
Fish Hook	<input type="radio"/>	<input checked="" type="radio"/>	Fishing Line	<input type="radio"/>	<input checked="" type="radio"/>				
Boat Impact	<input type="radio"/>	<input checked="" type="radio"/>	Shark Attack	<input type="radio"/>	<input checked="" type="radio"/>				
PPS	<input checked="" type="radio"/>	<input type="radio"/>	Photos	<input type="radio"/>	<input checked="" type="radio"/>				

Samples: **Y** N **NIST: 22.5 mL blood, scute scrape**

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.
 • Subsurface (soft) lump on left para vertebral neck area; blood taken from right side
 • 7 central scutes
 Acanthophora in mouth

Release Date: **7/10/12** Release Site: **Kawainui**

9:35 capture
3 amphipods COLLECTED



Rebecca
Richard

ANGELA
HANSEN

Sea Turtle Tagging Form

Version 2 - Aug 2010

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Turtle ID

Data Recorded By WMARKS (2)



Capture Information

Date: 7/10/12 Island: Oahu Study Site: Kawainui Species: CM EI LO

Hand: Hand/Hand/Net: Net: Island: Location: Perry's Sex: M F U

Capture Method: Scoop Net Basking Stranding: Latitude: Longitude: Recapture: Y N

New Tags: Y N

Old Tags

New Tags

PIT (LHF)	<u>42346E2DTE</u>	PIT (RHF)	<u>422F0B6F62</u>	PIT (LHF)	<input type="text"/>	Tag	<input type="text"/>
PIT (LFF)	<input type="text"/>	PIT (RFF)	<input type="text"/>	PIT (RHF)	<input type="text"/>	Other	<input type="text"/>
Tag (LHF)	<input type="text"/>	Tag (RHF)	<input type="text"/>	New MT	<input type="text"/>	Other	<input type="text"/>
Tag (LFF)	<input type="text"/>	Tag (RFF)	<input type="text"/>				
Old MT	<input type="text"/>	Other Tag	<input type="text"/>				

Visual Examination

Tumors

Tumors	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Oral Tumors Visible	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	1	2	3	4
Tumor Score	<u>0</u>	Emaciation Code	<u>0</u>	R eye			
Dorsal Barnacles	<u>0</u>	Ventral Barnacles	<u>0</u>	L eye			
Leeches	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Leech Eggs	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Mouth			
Flipper Amputated	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Carapace Damage	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Neck			
Fish Hook	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Fishing Line	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	RFF			
Boat Impact	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Shark Attack	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	LFF			
PPS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Photos	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	RHF			
				LHF			
				Tail			
				Seams			

Dorsal Measurements

Ventral Measurements

SCL (cm)	<u>64.3</u>	Lat1 (cm)	<u>—</u>
Notch (cm)	<u>63.9</u>	Lat2 (cm)	<u>—</u>
SCW (cm)	<u>48.6</u>	Lat3 (cm)	<u>—</u>
CCL (cm)	<u>68.0</u>	Plastron (cm)	<u>52</u>
CCW (cm)	<u>69.0</u>	Tail (cm)	<u>16.5</u>
Head (cm)	<u>10.0</u>	Vent (cm)	<u>11.5</u>
RFF (cm)	<u>9.5</u>	Weight (lbs)	<u>82.1</u>

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

9:57 capture

2 amphipods collected



Samples Y N NIST: 20 ml Blood, scute scrape

Release Date: 7/10/12 Release Site: Kawainui

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form Version 2 - Aug 2010



Turtle ID

Data Recorded By WMARKS

Capture Information

Date 7/10/12 Island Oahu Study Site Kawainui Species CM EI LO

Hand Hand/Snorkel Net Island Zone Location Perry's Sex M F U

Capture Method Scoop Net Basking Recapture Y N

Stranding Latitude Longitude New Tags Y N

Old Tags

PIT (LHF) 470C676D20 PIT (RHF) 4709763C44

PIT (LFF) PIT (RFF)

Tag (LHF) Tag (RHF)

Tag (LFF) Tag (RFF)

Old MT Other Tag

Renewed

New Tags

Tag ()

Other

New MT Other

Dorsal Measurements

SCL (cm) 47.4

Notch (cm) 47.1

SCW (cm) 37.2

CCL (cm) 50.6

CCW (cm) 43

Head (cm) 7.4

RFF (cm) 2.4

Ventral Measurements

Lat1 (cm) -

Lat2 (cm) -

Lat3 (cm) -

Plastron (cm) 39.6

Tail (cm) 9.0

Vent (cm) 5.5

Weight (lbs) 32.5

Visual Examination

Tumors	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Oral Tumors Visible	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	1	2	3	4
Tumor Score	<u>0</u>	Emaciation Code	<u>0</u>	R eye			
Dorsal Barnacles	<u>0</u>	Ventral Barnacles	<u>0</u>	L eye			
Leeches	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Leech Eggs	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Mouth			
Flipper Amputated	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Carapace Damage	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Neck			
Fish Hook	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Fishing Line	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	RFF			
Boat Impact	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Shark Attack	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	LFF			
PPS	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Photos	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	RHF			
				LHF			
				Tail			
				Seams			

Tumors

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

10:25 capture

~~NO Amphipods~~

Acanthophora in mouth

Samples Y N NIST: 11 ml Blood, scute scrape

Release Date 7/10/12 Release Site Kawainui

Sea Turtle Tagging Form

Version 2 - Aug 2010

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NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Turtle ID

[Empty Box]

Data

Recorded By

WMAACKS

Capture Information

Date: 7/10/12
Island: Oahu
Study Site: Kawaiinui
Species: CM EI LO
Sex: M F U
Capture Method: Scoop Net Basking
Island Zone: [Empty]
Location: Perry's
Recapture: Y N
Latitude: [Empty]
Longitude: [Empty]
New Tags: Y N

Old Tags

PIT (LHF): 4452580ASE
PIT (RHF): 445 23B620A
PIT (LFF): [Empty]
PIT (RFF): [Empty]
Tag (LHF): [Empty]
Tag (RHF): [Empty]
Tag (LFF): [Empty]
Tag (RFF): [Empty]
Old MT: [Empty]
Other Tag: [Empty]
Renewed:

New Tags

Tag (): [Empty]
Other: [Empty]
New MT: [Empty]
Other: [Empty]

Dorsal Measurements

SCL (cm): 55.0
Notch (cm): 54.7
SCW (cm): 44.2
CCL (cm): 60.5
CCW (cm): 55.0
Head (cm): 8.7
RFF (cm): 10.6

Ventral Measurements

Lat1 (cm): -
Lat2 (cm): -
Lat3 (cm): -
Plastron (cm): 45.4
Tail (cm): 10.5
Vent (cm): 7.0
Weight (lbs): 54.8

Visual Examination

Tumors: Y N
Tumor Score: 0
Dorsal Barnacles: 0
Leeches: Y N
Flipper Amputated: Y N
Fish Hook: Y N
Boat Impact: Y N
PPS: Y N
Oral Tumors Visible: Y N
Emaciation Code: 0
Ventral Barnacles: 0
Leech Eggs: Y N
Carapace Damage: Y N
Fishing Line: Y N
Shark Attack: Y N
Photos: Y N

Tumors

	1	2	3	4
R eye				
L eye				
Mouth				
Neck				
RFF				
LFF				
RHF				
LHF				
Tail				
Seams				

Samples Y N

NISI: ml blood, scute scrape

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

10:55 capture
Acanthophora in mouth

Release Date

7/10/12

Release Site

Kawaiinui

Hoku = AVID 067 058 095
Penny's DOG

BY NOEL



VAEL
TW
vet
student

Sea Turtle Tagging Form

Version 2 - Aug 2010

Turtle ID

Data Recorded By WMARKS



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Capture Information

Date 7/10/12 Island Oahu Study Site Kawaiini Species CM EI LO
 Capture Method Scoop Net Hand Hand/Snorkel Net Island Zone Location Perry's Sex M F U
 Basking Latitude Longitude Recapture Y N
 Stranding New Tags Y N

Old Tags

New Tags

PIT (LHF) <u>443A197133</u>	PIT (RHF) <u>4452745129</u>	PIT (LHF)	Tag ()
PIT (LFF)	PIT (RFF)	PIT (RHF)	Other
Tag (LHF)	Tag (RHF)	New MT	Other
Tag (LFF)	Tag (RFF)		
Old MT	Other Tag		

Visual Examination

Tumors

Tumors <u>N</u>	Oral Tumors Y <u>N</u>	Visible	1	2	3	4
Tumor Score <u>0</u>	Emaciation Code <u>0</u>	R eye				
Dorsal Barnacles <u>0</u>	Ventral Barnacles <u>0</u>	L eye				
Leeches Y <u>N</u>	Leech Eggs Y <u>N</u>	Mouth				
Flipper Amputated Y <u>N</u>	Carapace Damage Y <u>N</u>	Neck				
Fish Hook Y <u>N</u>	Fishing Line Y <u>N</u>	RFF				
Boat Impact Y <u>N</u>	Shark Attack Y <u>N</u>	LFF				
PPS Y <u>N</u>	Photos Y <u>N</u>	RHF				
		LHF				
		Tail				
		Seams				

Dorsal Measurements

Ventral Measurements

SCL (cm) <u>53.1</u>	Lat1 (cm) <u>—</u>
Notch (cm) <u>52.9</u>	Lat2 (cm) <u>—</u>
SCW (cm) <u>42.0</u>	Lat3 (cm) <u>—</u>
CCL (cm) <u>57</u>	Plastron (cm) <u>43.6</u>
CCW (cm) <u>49.5</u>	Tail (cm) <u>10.0</u>
Head (cm) <u>8.1</u>	Vent (cm) <u>6.0</u>
RFF (cm) <u>9.4</u>	Weight (lbs) <u>43.5</u>

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

11:04 capture
possible old motor tool 18?
Right eye cloudy, no vision,
Angose surface

Samples Y N NIST: mL blood, scute scrape

Release Date 7/10/12 Release Site Kawaiini

Gloria Gainsley, MWP's friend

1559 Ainakoa Ave.

Hon. HI 96821-1113



Kyle Drawing

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NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By WM

Capture Information

Date: 7/10/12 Island: Oahu Study Site: Kawainui Species: CM EI LO

Hand: Hand/Snorkel Net: Island Zone: Location: Perry's Sex: M F U

Capture Method: Scoop Net Basking Stranding Latitude: Longitude: Recapture: Y N New Tags: Y N

Old Tags

New Tags

PIT (LHF) <u>4601794F15</u>	PIT (RHF) <u>4454090D2D</u>	PIT (LHF) <input type="text"/>	Tag () <input type="text"/>
PIT (LFF) <input type="text"/>	PIT (RFF) <input type="text"/>	PIT (RHF) <input type="text"/>	Other <input type="text"/>
Tag (LHF) <input type="text"/>	Tag (RHF) <input type="text"/>	New MT <input type="text"/>	Other <input type="text"/>
Tag (LFF) <input type="text"/>	Tag (RFF) <input type="text"/>		
Old MT <input type="text"/>	Other Tag <input type="text"/>		

Visual Examination

Tumors

Tumors	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Oral Tumors	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Visible				
Tumor Score	<u>0</u>	Emaciation Code	<u>0</u>	R eye				
Dorsal Barnacles	<u>0</u>	Ventral Barnacles	<u>0</u>	L eye				
Leeches	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Leech Eggs	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Mouth				
Flipper Amputated	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Carapace Damage	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Neck				
Fish Hook	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Fishing Line	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	RFF				
Boat Impact	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Shark Attack	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	LFF				
PPS	<u>Y</u> <input checked="" type="checkbox"/> N <input type="checkbox"/>	Photos	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	RHF				
				LHF				
				Tail				
				Seams				

Dorsal Measurements

Ventral Measurements

SCL (cm) <u>58.2</u>	Lat1 (cm) <u>—</u>
Notch (cm) <u>—</u>	Lat2 (cm) <u>—</u>
SCW (cm) <u>45.6</u>	Lat3 (cm) <u>—</u>
CCL (cm) <u>63.5</u>	Plastron (cm) <u>47.9</u>
CCW (cm) <u>55.5</u>	Tail (cm) <u>11.5</u>
Head (cm) <u>7.5</u>	Vent (cm) <u>8.5</u>
RFF (cm) <u>9.8</u>	Weight (lbs) <u>64.5</u>

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

Algae in mouth

Samples Y N NIST: mL Blood, scute

Release Date: 7/10/12 Release Site: Kawainui

Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By WMARK

Capture Information

Date: 7/10/17 Island: Oahu Study Site: Kawainui Species: CM EI LO

Capture Method: Scoop Net Hand Hand/Snorkel Net Basking Stranding Island Zone: Location: Perry's Sex: M F U

Recapture: Y N New Tags: Y N

Old Tags		New Tags	
PIT (LHF) <u>443A1C2318</u>	PIT (RHF) <u>443A15S35F</u>	PIT (LHF)	Tag ()
PIT (LFF)	PIT (RFF)	PIT (RHF)	Other
Tag (LHF)	Tag (RHF)	New MT	Other
Tag (LFF)	Tag (RFF)		
Old MT	Other Tag		

Dorsal Measurements		Ventral Measurements	
SCL (cm) <u>53.8</u>	Lat1 (cm) <u>—</u>	Lat1 (cm) <u>—</u>	
Notch (cm) <u>same -53.8</u>	Lat2 (cm) <u>—</u>	Lat2 (cm) <u>—</u>	
SCW (cm) <u>41.7</u>	Lat3 (cm) <u>—</u>	Lat3 (cm) <u>—</u>	
CCL (cm) <u>57</u>	Plastron (cm) <u>43.4</u>	Plastron (cm) <u>43.4</u>	
CCW (cm) <u>48</u>	Tail (cm) <u>12.5</u>	Tail (cm) <u>12.5</u>	
Head (cm) <u>8.4</u>	Vent (cm) <u>8.0</u>	Vent (cm) <u>8.0</u>	
RFF (cm) <u>9.6</u>	Weight (lbs) <u>48.3</u>	Weight (lbs) <u>48.3</u>	

Visual Examination		Tumors			
Tumors Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Oral Tumors Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	1	2	3	4
Tumor Score <u>0</u>	Emaciation Code <u>0</u>	R eye			
Dorsal Barnacles <u>0</u>	Ventral Barnacles <u>0</u>	L eye			
Leeches Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Leech Eggs Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Mouth			
Flipper Amputated Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Carapace Damage Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Neck			
Fish Hook Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Fishing Line Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	RFF			
Boat Impact Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Shark Attack Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	LFF			
PPS Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Photos Y <input type="checkbox"/> N <input type="checkbox"/>	RHF			
		LHF			
		Tail			
		Seams			

Samples Y N NIST: ml blood, scute scrape

Release Date: 7/10/17 Release Site: Kawainui

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

possible old fibrous marks from sonic tag; remains removed

**Right ventral front shoulder abscess from possible old fish hook - lanced wound, necrotic tissue removed*

Anesthesia CO₂ D SPRAY

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NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By WMARKS

Capture Information

Date: 7/10/12 Island: Oahu Study Site: Kawainui Species: CM EI LO

Capture Method: Scoop Net Hand Hand/Snorkel Net Basking Stranding Island Zone: Location: Perry's Sex: M F U

Latitude: Longitude: Recapture Y N New Tags Y N

Old Tags

PIT (LHF) PIT (RHF)

PIT (LFF) PIT (RFF)

Tag (LHF) Tag (RHF)

Tag (LFF) Tag (RFF)

Old MT Other Tag Renewed

New Tags

PIT (LHF) 4A2D793C0A

PIT (RHF) 4A354F040D

New MT Other

Dorsal Measurements

Ventral Measurements

SCL (cm) 52.3 Lat1 (cm) —

Notch (cm) 52.2 Lat2 (cm) —

SCW (cm) 41.8 Lat3 (cm) —

CCL (cm) 56.5 Plastron (cm) 41.8

CCW (cm) 50.5 Tail (cm) 10.0

Head (cm) 8.3 Vent (cm) 6.5

RFF (cm) 8.7 Weight (lbs) 45.5

Visual Examination

Tumors Y N Oral Tumors Y N

Tumor Score 0 Emaciation Code 0

Dorsal Barnacles 0 Ventral Barnacles 0

Leeches Y N Leech Eggs Y N

Flipper Amputated Y N Carapace Damage Y N

Fish Hook Y N Fishing Line Y N

Boat Impact Y N Shark Attack Y N

PPS Y Photos Y N

Tumors		1	2	3	4
Visible					
R eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail					
Seams					

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

12:39 capture

Mouth empty

Samples Y N NIST mL blood, scute scrap

Release Date 7/10/12 Release Site Kawainui

N=21

Date	Left Hind tag	Reading 1	Reading 2	Average Hematocrit	Comments
July 10, 2012	4601705479	42	41	41.5	
July 10, 2012	42346E2D7E	36	NA	36	
July 10, 2012	470C676D20	26	25	25.5	
July 10, 2012	445258695E	36	35	35.5	
July 10, 2012	443A197133	30	29	29.5	
July 10, 2012	4601794F15	36	36	36	
July 10, 2012	443A1C2318	35	35	35	
July 10, 2012	4A2D793C0A	27	25	26	
July 10, 2012	4A3973601B	35	35	35	
July 10, 2012	443A01721F	32	33	32.5	
July 11, 2012	45285D1A44	28	28	28	
July 11, 2012	4603686F19	36	36	36	
July 11, 2012	4608021627	39	39	39	
July 12, 2012	48584F307B	22	NA	22	FP tumors
July 12, 2012	4856491A40	40	40	40	
July 12, 2012	483A2C017D	37	37	37	
July 12, 2012	48414C1277	11	11	11	Tiger shark
July 12, 2012	470D01034B	29	29.5	29.25	
July 12, 2012	4B1C495840	30	30	30	
July 12, 2012	4A2D17264C	31	31	31	
July 12, 2012	4B1A5D2744	31	31	31	
				32	whole sam
					AVERAGE
				7	STDEV

Sea Turtle Tagging Form

Version 2 - Aug 2010

132

Turtle ID

[Blank]

Data

Recorded By

WMARKS



Capture Information

Date: 7/10/12
 Island: Oahu
 Study Site: Kawainui
 Species: CM EI LO
 Hand: Scoop Net
 Hand/Snorkel Net: Basking
 Location: Perny's
 Sex: M F U
 Recapture: Y N
 Stranding: [Blank]
 Latitude: [Blank]
 Longitude: [Blank]
 New Tags: Y N

Old Tags

PIT (LHF) [Blank] PIT (RHF) [Blank]
 PIT (LFF) [Blank] PIT (RFF) [Blank]
 Tag (LHF) [Blank] Tag (RHF) [Blank]
 Tag (LFF) [Blank] Tag (RFF) [Blank]
 Old MT [Blank] Other Tag [Blank]
 Renewed

New Tags

PIT (LHF) [Barcode] 4A3973601B
 PIT (RHF) [Barcode] 48583E3833
 New MT [Blank] Other [Blank]

Visual Examination

Tumors		Tumors			
Y	N	1	2	3	4
<input checked="" type="radio"/>	<input type="radio"/>				
Tumor Score	<input checked="" type="radio"/>				
Dorsal Barnacles	<input checked="" type="radio"/>				
Leeches	<input checked="" type="radio"/>				
Flipper Amputated	<input checked="" type="radio"/>				
Fish Hook	<input checked="" type="radio"/>				
Boat Impact	<input checked="" type="radio"/>				
PPS	<input checked="" type="radio"/>				
Oral Tumors Visible	<input checked="" type="radio"/>				
Emaciation Code	<input checked="" type="radio"/>				
Ventral Barnacles	<input checked="" type="radio"/>				
Leech Eggs	<input checked="" type="radio"/>				
Carapace Damage	<input checked="" type="radio"/>				
Fishing Line	<input checked="" type="radio"/>				
Shark Attack	<input checked="" type="radio"/>				
Photos	<input checked="" type="radio"/>				

Dorsal Measurements

Ventral Measurements

SCL (cm): 44.8
 Notch (cm): 43.9
 SCW (cm): 35.5
 CCL (cm): 47.5
 CCW (cm): 41
 Head (cm): 6.9
 RFF (cm): 7.5
 Lat1 (cm): [Blank]
 Lat2 (cm): [Blank]
 Lat3 (cm): [Blank]
 Plastron (cm): 36.4
 Tail (cm): 9.0
 Vent (cm): 6.0
 Weight (lbs): 26.5

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

Samples Y N

NIST: ml Blood, scute scrape

Release Date

7/10/12

Release Site

Kawainui

1233

END Day 1 MW Penn

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Honolulu, Hawaii 96822-2396
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Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By WMARKS

Capture Information

Date	<u>7/10/12</u>	Island	<u>Oahu</u>	Study Site	<u>Kawainui</u>	Species	<u>CM</u> EI LO
Hand	Hand/Snorkel	Net	Island Zone	Location	<u>Penny's</u>	Sex	M F <u>U</u>
Capture Method	Scoop Net	Basking	Latitude	Longitude		Recapture	<u>Y</u> N
Stranding						New Tags	Y <u>N</u>

Old Tags

PIT (LHF)	<u>443A0172</u>	PIT (RHF)	<u>445235291E</u>
PIT (LFF)		PIT (RFF)	
Tag (LHF)		Tag (RHF)	
Tag (LFF)		Tag (RFF)	
Old MT		Other Tag	

New Tags

PIT (LHF)	Tag ()
PIT (RHF)	Other
New MT	Other

Visual Examination

Tumors

Tumors	Y	N	Oral Tumors Visible	Y	N	1	2	3	4
Tumor Score	\emptyset		Emaciation Code	<u>Flat</u>					
Dorsal Barnacles	\emptyset		Ventral Barnacles	\emptyset					
Leeches	Y	<u>N</u>	Leech Eggs	Y	<u>N</u>				
Flipper Amputated	Y	<u>N</u>	Carapace Damage	Y	<u>N</u>				
Fish Hook	Y	<u>N</u>	Fishing Line	Y	<u>N</u>				
Boat Impact	Y	<u>N</u>	Shark Attack	Y	<u>N</u>				
PPS	Y	<u>N</u>	Photos	Y	<u>N</u>				

Dorsal Measurements

Ventral Measurements

SCL (cm)	<u>60.2</u>	Lat1 (cm)	<u>-</u>
Notch (cm)	<u>60.2</u>	Lat2 (cm)	<u>-</u>
SCW (cm)	<u>47.4</u>	Lat3 (cm)	<u>-</u>
CCL (cm)	<u>64.5</u>	Plastron (cm)	<u>49.4</u>
CCW (cm)	<u>59.0</u>	Tail (cm)	<u>13</u>
Head (cm)	<u>9.4</u>	Vent (cm)	<u>8.5</u>
RFF (cm)	<u>10.9</u>	Weight (lbs)	<u>63.6</u>

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

Mouth empty

Samples Y N NIST: Blood, scute scrape

Release Date 7/10/12 Release Site Kawainui

134

TD 4R3A2C017P
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atman[®]
63 Community Drive Sanford, ME 04073, USA
KAWAII, OAHU

7/12/12 1 of 2
OmniSwabTM
REF WB100035 STERILE R
SGL 49.7

07-12-12 SCL: 80.3cm
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48584F307B
OmniSwabTM
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Honolulu, Hawaii 96822

NEG
Sent to Dutton
within 3 days

07-12-12 SCL: 55.9cm
Marine Turtle Research
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4856491A40
OmniSwabTM
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Fecal Swab 1 of 2
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KAWAII, KAUAI BAY OAHU

4603606F19 7/11/12
OmniSwabTM
52.6 cm SCL
REF WB100035 STERILE R
C.m.

HAPPIT ID 4600021627
Fecal Swab 1 of 2
Marine Turtle Research
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atman[®] C.m.
63 Community Drive Sanford, ME 04073, USA
KAWAII, OAHU

7/11/2012
OmniSwabTM
REF WB100035 STERILE R
56.6 SCL

C.m. 7/12/12 1 of 2
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KAWAII, OAHU

ID 42.9 SCL
OmniSwabTM
4A2D17264C
REF WB100035 STERILE R

7-12-12 SCL = 55.9cm
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507 [5] Fecal Swab 2 of 2
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KAWAINOI KAILUA BAY OAHU

4603686F19 7/11/12
OmniSwab™
52.6 cm SCL
REF WB100035 STERILE R ②
C.M.

Send to Jutton after 20 DAYS
NIB 7/12/12 2 of 2 CM
FECAL SWAB

1607 [5]
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KAWAINOI, OAHU

ID PR
OmniSwab™
4A2D17264C
REF WB100035 STERILE R ②
429 SCL

1607 [5] LHP PLS 4608020627 2 of 2
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KAWAINOI OAHU FECAL SWAB

7/11/2012
OmniSwab™
REF WB100035 STERILE R ②
52.6 SCL

1607 [5] ID H83A2C 0170
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KAWAINOI OAHU

7/12/12 2 of 2
OmniSwab™
REF WB100035 STERILE R ②
SCL 49.7

1607 [5] 07.12.12 SCL = 80.3cm
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CM KAWAINOI OAHU

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7-12-12 SCL = 55.9cm

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50 [5] Fecal Swab 2 of 2

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KAWAINOI KAILUA BAY OAHU

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N:6 7/12/12 2 of 2 C.M.
FECAL SWAB

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KAWAINOI, OAHU

4603686F9

7/11/12

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52.6 cm SCL

REF WB100035

STERILE R

C.M.

160 [5] LIT PLS
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4608020G27 2012
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KAWAINOI OAHU FECAL SWAB

7/11/2012
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REF WB100035

STERILE R

52.6 SCL

50 [5] ID
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FECAL SWAB
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STERILE R

SCL 49.7

160 [5]
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07.12.12 SCL = 80.3cm
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C.M. KAWAINOI OAHU

48584F307B
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Sea Turtle Tagging Form

Version 2 - Aug 2010

DAY 2 (136)



Turtle ID

Data Recorded By WMARKS

Capture Information

Date: 7/11/2012 Island: Oahu Study Site: Kawainui Species: CM EI LO
 Capture Method: Hand Hand/Snorkel Net Island Zone: Location: Perry's Sex: M F U
 Scoop Net Basking Latitude: Longitude: Recapture: Y N
 Stranding New Tags: Y N

Old Tags

New Tags

PIT (LHF) <u>45285DIA4</u>	PIT (RHF) <u>45242A3628</u>	PIT (LHF)	Tag ()
PIT (LFF)	PIT (RFF)	PIT (RHF)	Other
Tag (LHF)	Tag (RHF)	New MT	Other
Tag (LFF)	Tag (RFF)		
Old MT	Other Tag		

Visual Examination

Tumors

Tumors	<input checked="" type="radio"/> Y <input type="radio"/> N	Oral Tumors Visible	<input checked="" type="radio"/> Y <input type="radio"/> N				
Tumor Score	<u>0</u>	Emaciation Code	<u>0</u>	R eye			
Dorsal Barnacles	<u>0</u>	Ventral Barnacles	<u>12</u>	L eye			
Leeches	<input checked="" type="radio"/> Y <input type="radio"/> N	Leech Eggs	<input checked="" type="radio"/> Y <input type="radio"/> N	Mouth			
Flipper Amputated	<input checked="" type="radio"/> Y <input type="radio"/> N	Carapace Damage	<input checked="" type="radio"/> Y <input type="radio"/> N	Neck			
Fish Hook	<input checked="" type="radio"/> Y <input type="radio"/> N	Fishing Line	<input checked="" type="radio"/> Y <input type="radio"/> N	RFF			
Boat Impact	<input checked="" type="radio"/> Y <input type="radio"/> N	Shark Attack	<input checked="" type="radio"/> Y <input type="radio"/> N	LFF			
PPS	<input checked="" type="radio"/> Y <input type="radio"/> N	Photos	<input checked="" type="radio"/> Y <input type="radio"/> N	RHF			
				LHF			
				Tail			
				Seams			

Dorsal Measurements

Ventral Measurements

SCL (cm)	<u>55.2</u>	Lat1 (cm)	<u>—</u>
Notch (cm)	<u>55.2</u>	Lat2 (cm)	<u>—</u>
SCW (cm)	<u>42.8</u>	Lat3 (cm)	<u>—</u>
CCL (cm)	<u>59.5</u>	Plastron (cm)	<u>44.5</u>
CCW (cm)	<u>52.5</u>	Tail (cm)	<u>12.0</u>
Head (cm)	<u>—</u>	Vent (cm)	<u>7.5</u>
RFF (cm)	<u>—</u>	Weight (lbs)	<u>48.4</u>

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

12^m ⊙ marginal missing-healed
① Vial = 1 Amphipod
Acanthophora (AS) in mouth
10:14 capture time

Samples Y N NIST: 22.5 ml Blood, scute scraping

Release Date: 7/11/12 Release Site: Kawainui

NIST
10:14 22.5 ml blood, scute

NIST #2 7/11/12

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Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

Data Recorded By WMARKS

Capture Information

Date: 7/11/12 Island: Oahu Study Site: Kawainui Species: CM EI LO
 Sex: M F U
 Capture Method: Scoop Net Hand Hand/Snorkel Net Basking Stranding
 Island Zone: Location: Pemj's Recapture: Y N
 Latitude: Longitude: New Tags: Y N

Old Tags

New Tags

PIT (LHF): 46036886119 PIT (RHF): 4608091E45
 PIT (LFF): PIT (RFF):
 Tag (LHF): Tag (RHF):
 Tag (LFF): Tag (RFF):
 Old MT: Other Tag: Renewed

Tag ():
 Other:
 New MT: Other:

Visual Examination

Tumors

Tumors	Y	N	Oral Tumors Visible	Y	N	1	2	3	4
Tumor Score	<input checked="" type="radio"/>	<input type="radio"/>	Emaciation Code	<input checked="" type="radio"/>	<input type="radio"/>				
Dorsal Barnacles	<input checked="" type="radio"/>	<input type="radio"/>	Ventral Barnacles	<input checked="" type="radio"/>	<input type="radio"/>				
Leeches	Y	<u>N</u>	Leech Eggs	Y	<u>N</u>				
Flipper Amputated	Y	<u>N</u>	Carapace Damage	Y	<u>N</u>				
Fish Hook	Y	<u>N</u>	Fishing Line	Y	<u>N</u>				
Boat Impact	Y	<u>N</u>	Shark Attack	Y	<u>N</u>				
PPS	<input checked="" type="radio"/>	Y N	Photos	Y	<u>N</u>				

Dorsal Measurements

Ventral Measurements

SCL (cm): 56.2 Lat1 (cm): -
 Notch (cm): 56.2 Lat2 (cm): -
 SCW (cm): 44.6 Lat3 (cm): -
 CCL (cm): 60.5 Plastron (cm): 44.7
 CCW (cm): 54 Tail (cm): 12.0
 Head (cm): - Vent (cm): 7.5
 RFF (cm): - Weight (lbs): 55.3

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

rugose cloaca - not a tumor
Acanthophora in mouth

Samples Y N NIST: ml Blood, scute scrape
duplicate fecal swabs

Release Date: 7/11/12 Release Site: Kawainui

Perry EN # DAY 138 2

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Sea Turtle Tagging Form

Version 2 - Aug 2010

Turtle ID

Data Recorded By 9



Capture Information

Date: 11 JULY 2012 Island: ORAIU Study Site: KAWAINUI Species: CM EI LO
 Capture Method: Scoop Net Hand Hand/Snorkel Net Basking Stranding
 Location: PERRY'S Sex: M F U
 Recapture: Y N
 New Tags: Y N

Old Tags

New Tags

PIT (LHF) <u>4608021627</u>	PIT (RHF) <u>46080C5929</u>	PIT (LHF)	Tag ()
PIT (LFF)	PIT (RFF)	PIT (RHF)	Other
Tag (LHF)	Tag (RHF)	New MT	Other
Tag (LFF)	Tag (RFF)		
Old MT	Other Tag		

Visual Examination

Tumors

Tumors	Y	N	Oral Tumors Visible	Y	N	1	2	3	4
Tumor Score	<input checked="" type="radio"/>	<input type="radio"/>	Emaciation Code	<input checked="" type="radio"/>	<input type="radio"/>				
Dorsal Barnacles	<input checked="" type="radio"/>	<input type="radio"/>	Ventral Barnacles	<input checked="" type="radio"/>	<input type="radio"/>				
Leeches	<input type="radio"/> Y	<input checked="" type="radio"/> N	Leech Eggs	<input type="radio"/> Y	<input checked="" type="radio"/> N				
Flipper Amputated	<input type="radio"/> Y	<input checked="" type="radio"/> N	Carapace Damage	<input type="radio"/> Y	<input checked="" type="radio"/> N				
Fish Hook	<input type="radio"/> Y	<input checked="" type="radio"/> N	Fishing Line	<input type="radio"/> Y	<input checked="" type="radio"/> N				
Boat Impact	<input type="radio"/> Y	<input checked="" type="radio"/> N	Shark Attack	<input type="radio"/> Y	<input checked="" type="radio"/> N				
PPS	<input type="radio"/> Y	<input checked="" type="radio"/> N	Photos	<input type="radio"/> Y	<input checked="" type="radio"/> N				

Dorsal Measurements

Ventral Measurements

SCL (cm) <u>52.4</u>	Lat1 (cm)	
Notch (cm) <u>52.4</u>	Lat2 (cm)	
SCW (cm) <u>42.9</u>	Lat3 (cm)	
CCL (cm) <u>57.4</u>	Plastron (cm) <u>40.9</u>	
CCW (cm) <u>49.0</u>	Tail (cm) <u>13.0</u>	
Head (cm)	Vent (cm) <u>9.0</u>	
FF (cm) <u>9.4</u>	Weight (lbs) <u>45.3</u>	

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

NO "ORAL" COMMENTS

57.0
41.4
45.3

samples Y N

BLOOD, SCUTE SCRAPE

FECAL SWAB x 2

Release Date: 11 JULY 2012 Release Site: KAWAINUI

Scherman
Property

140

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(808) 983-5730

Sea Turtle Tagging Form

Version 2 - Aug 2010

Turtle ID

[Empty Box]

Data

Recorded By

WM



Capture Information

Date: 7/12/2012
Island: Oahu
Study Site: Kawainui
Species: CM EI LO
Capture Method: Scoop Net, Basking
Island Zone: NE
Location: Scherman's
Sex: M F U
Recapture: Y N
New Tags: Y N

Old Tags

PIT (LHF), PIT (RHF), PIT (LFF), PIT (RFF), Tag (LHF), Tag (RHF), Tag (LFF), Tag (RFF), Old MT, Renewed []

New Tags

Barcode: 48584F307B
Barcode: 4A7D396576
New MT, Other

Visual Examination

Tumors	Y N	Oral Tumors Visible	Y N	Tumors			
Tumor Score	2	Emaciation Code	1	1	2	3	4
Dorsal Barnacles	4	Ventral Barnacles	25	R eye			1
Leeches	Y N	Leech Eggs	Y N	L eye	11		
Flipper Amputated	Y N	Carapace Damage	Y N	Mouth			
Fish Hook	Y N	Fishing Line	Y N	Neck			
Boat Impact	Y N	Shark Attack	Y N	RFF			
PPS	Y N	Photos	Y N*	LFF		1	
				RHF			
				LHF			
				Tail			
				Seams			

Dorsal Measurements

Ventral Measurements

SCL (cm): 80.3
Notch (cm): 79.9
SCW (cm): 63.3
CCL (cm): 88.5
CCW (cm): 83.0
Head (cm): 11.0
RFF (cm): 11.8
Lat1 (cm): -
Lat2 (cm): -
Lat3 (cm): -
Plastron (cm): 63.4
Tail (cm): 18.5
Vent (cm): 12
Weight (lbs): 134

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

LFF - base of flipper has healing entanglement wound - dorsal side
Notch bet. 11th & 12th @ marginal & notch bet. 12th & posterior centrals
Broken RF claw
No vision in R eye
No Amphipods

Samples Y N

NIST:

ml Blood, Scute scrape, photos

(2) fecal swabs

Release Date

7/12/12

Release Site

Kawainui

yan yanscherman@
 no mail com
 PO Box 1691, Kailua
 (142)

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 Marine Turtle Research Program
 2570 Dole Street
 Honolulu, Hawaii 96822-2396
 (808) 983-5730

Sea Turtle Tagging Form Version 2 - Aug 2010



Turtle ID Data Recorded By WM/SM

Capture Information

Date 7/12/12 Island Oahu Study Site Kawainui Species CM EI LO
 Hand Scoop Net Hand/Snorkel Net Basking Island Zone NE Location Scherman's Sex M F U
 Capture Method Scoop Net Basking Stranding Latitude Longitude Recapture Y N
 New Tags Y N

Old Tags

New Tags

PIT (LHF) <u>4856491A40</u>	PIT (RHF) <u>483C463B1F</u>	PIT (LHF)	Tag ()
PIT (LFF)	PIT (RFF)	PIT (RHF)	Other
Tag (LHF)	Tag (RHF)	New MT	Other
Tag (LFF)	Tag (RFF)		
Old MT	Other Tag		

Visual Examination

Tumors

Tumors Y <u>N</u>	Oral Tumors Y <u>N</u>	Visible	1	2	3	4
Tumor Score <u>0</u>	Emaciation Code <u>0</u>	R eye				
Dorsal Barnacles <u>0</u>	Ventral Barnacles <u>0</u>	L eye				
Leeches Y <u>N</u>	Leech Eggs Y <u>N</u>	Mouth				
Flipper Amputated Y <u>N</u>	Carapace Damage Y <u>N</u>	Neck				
Fish Hook Y <u>N</u>	Fishing Line Y <u>N</u>	RFF				
Boat Impact Y <u>N</u>	Shark Attack Y <u>N</u>	LFF				
PPS Y <u>N</u>	Photos <u>2</u> <u>N</u>	RHF				
		LHF				
		Tail				
		Seams				

Dorsal Measurements

Ventral Measurements

SCL (cm) <u>55.9</u>	Lat1 (cm) <u>-</u>
Notch (cm) <u>55.9</u>	Lat2 (cm) <u>-</u>
SCW (cm) <u>42.9</u>	Lat3 (cm) <u>-</u>
CCL (cm) <u>61.0</u>	Plastron (cm) <u>44.8</u>
CCW (cm) <u>52.5</u>	Tail (cm) <u>11.0</u>
Head (cm) <u>8.4</u>	Vent (cm) <u>6.0</u>
RFF (cm) <u>9.9</u>	Weight (lbs) <u>56.3#</u>

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

Acanthophora in mouth

68.0
11.7
56.3

Samples N NIST - ml blood, scute scrapings
(2) fecal smabs

Release Date 7/12/12 Release Site Kawainui

NOAA Fisheries
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Sea Turtle Tagging Form

Version 3 - Sept 2010



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Turtle ID _____ Data Recorded By WM

Release Date _____ Release Site _____

Capture Information: Species CM EI LO Sex M F U Recapture Y N 3

Date 7/12/12 Island Oahu Study Site Kaunani Lat _____

Capture Method Hand Hand/Snorkel Scoop Net
 Net Basking Stranding Location Scheimans Lon _____

Old Tags _____ New Tags Y N

PIT (LHF) <u>483 A2D017D</u>	Tag (LHF) <u>485 8235602</u>	PIT (LHF) _____	Tag () _____
PIT (RHF) _____	Tag (RHF) _____	PIT (RHF) _____	Other _____
PIT () _____	Tag () _____	PIT (RHF) _____	Other _____
Old MT _____	Renewed <input type="checkbox"/> Tag _____	New MT _____	Other _____

Measurements (cm) _____ Comments: Injuries, Abnormalities, Mouth Contents, etc.

SCL 49.7 Lat1 _____
 Notch 49.2 Lat2 _____
 SCW 41.6 Lat3 _____
 CCL 53 Plastron 41.1
 CCW 48.0 Tail 9.5
 Head 7.6 Vent 6.5
 RFF 8.7 Weight (lbs) 40.3 ^{sk} _{sk}

FECAL SWABS X 2

Samples Y N Skin (DNA) Diet (lavage) Barnacles Tumor
 Blood Skin (SIA) Diet (mouth) Other scute NIST

Tumors

	1	2	3	4	Comments
R eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					
TOTAL					

Visual Examination
 Tumors Y N Leeches Y N
 Oral Tumors Visible Y N Leech Eggs Y N
 Tumor Score 0 Emac Code 0
 Dorsal Barn 0 Vent Barn 0
 Flipper Amput'd Y N Carapace Damage Y N
 Fish Hook Y N Fishing Line Y N
 Boat Impact Y N Shark Attack Y N
 PPS Y N Photos Y N

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Marine Turtle Research Program
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Sea Turtle Tagging Form

Version 3 - Sept 2010



Turtle ID _____ Data Recorded By WM

Release Date _____ Release Site _____

Capture Information: Species CM EI LO Sex M F U Recapture Y N 4

Date 7/12/12 Island Oahu Study Site Kawainui Lat _____

Capture Method Hand Hand/Snorkel Scoop Net
 Net Basking Stranding

Location Scheerman's Lon _____

Old Tags		New Tags	
PIT (LHF) _____	Tag (LHF) _____	<u>Y</u>	<u>N</u>
PIT (RHF) _____	Tag (RHF) _____	48414C1277	
PIT () _____	Tag () _____		
Old MT _____	Other Tag _____	4B1A527820	
Renewed <input type="checkbox"/>			
		New MT _____ Other _____	

Measurements (cm)		
SCL	<u>70.6</u>	Lat1 <u>—</u>
Notch	<u>70.5</u>	Lat2 <u>—</u>
SCW	<u>55.9</u>	Lat3 <u>—</u>
CCL	<u>77.5</u>	Plastron <u>58.8</u>
CCW	<u>70.5</u>	Tail <u>13</u>
Head	<u>10.1</u>	Vent <u>8.5</u>
RFF	<u>12.1</u>	Weight (lbs) <u>88.1</u>

Comments: Injuries, Abnormalities, Mouth Contents, etc.

- Many patches on carapace necrotic & miss. Shell thinning
- Tube worm on plastron in patch that is necrotic
- Missing patches of necrotic skin under HF
- PCA on plastron

Samples Y N Skin (DNA) Diet (lavage) Barnacles Tumor
 Blood Skin (SIA) Diet (mouth) Other scute scrs

Visual Examination			
Tumors	<u>Y</u> <u>N</u>	Leeches	<u>Y</u> <u>N</u>
Oral Tumors Visible	<u>Y</u> <u>N</u>	Leech Eggs	<u>Y</u> <u>N</u>
Tumor Score	<u>0</u>	Emac Code	<u>1</u>
Dorsal Barn	<u>0</u>	Vent Barn	<u>0</u>
Flipper Amput'd	<u>Y</u> <u>N</u>	Carapace Damage	<u>Y</u> <u>N</u>
Fish Hook	<u>Y</u> <u>N</u>	Fishing Line	<u>Y</u> <u>N</u>
Boat Impact	<u>Y</u> <u>N</u>	Shark Attack	<u>Y</u> <u>N</u>
PPS	<u>Y</u> <u>N</u>	Photos	<u>Y</u> <u>N</u>

	Tumors				Comments
	1	2	3	4	
R eye					/
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					
TOTAL					

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 Pacific Islands Fisheries Science Center
 Marine Turtle Research Program
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Sea Turtle Tagging Form Version 3 - Sept 2010

Data Recorded By BAUTENSON



Turtle ID _____

Release Date _____

Release Site _____

Capture Information: Species CM EI LO Sex M F U Recapture Y N 5

Date 7/12/12 Island Oahu Study Site Kawai'i Lat _____

Capture Method: Hand Net Hand/Snorkel Net Scoop Net Basking Stranding
 Location Sherman's Lon _____

Old Tags _____ New Tags Y N

PIT (LHF) <u>470</u> 034B	Tag (LHF) <u>470 B 30 1820</u>	PIT (LHF) _____	Tag (LHF) _____
PIT (RHF) _____	Tag (RHF) _____	PIT (RHF) _____	Other _____
PIT () _____	Tag () _____	PIT (RHF) _____	Other _____
Old MT _____	Other Tag <input type="checkbox"/> Renewed	New MT _____	Other _____

Measurements (cm) _____ Comments: Injuries, Abnormalities, Mouth Contents, etc.

SCL 44.1 Lat1 _____
 Notch 43.9 Lat2 _____
 SCW 36.2 Lat3 _____
 CCL 48.0 Plastron 35.9
 CCW 42.0 Tail 10.5
 Head 7.2 Vent 7.0
 RFF 7.9 Weight (lbs) 28.4

mouth check ok
 missing distal portion of hind Flipper (left 1/4)

Samples N Skin (DNA) Diet (lavage) Barnacles Tumor
 Blood Skin (SIA) Diet (mouth) Other SWX NIST

Tumors

	1	2	3	4	Comments
R eye					
L eye					
Mouth					
Neck					
RFF					
LFF					
RHF					
LHF					
Tail Cloaca					
Seams Scutes					
TOTAL					

Visual Examination

Tumors Y N Leeches Y N
 Oral Tumors Y N Leech Eggs Y N
 Visible _____
 Tumor Score 0 Emac Code 0
 Dorsal Barn no Vent Barn no
 Flipper Amput'd Y N Carapace Damage Y N
 Fish Hook Y N Fishing Line Y N
 Boat Impact Y N Shark Attack Y N
 PPS Y N Photos Y N

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Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form

Version 3 - Sept 2010

Turtle ID _____ Data Recorded By WM/SB
Release Date _____ Release Site _____



Capture Information: Species CM EI LO Sex M F U Recapture Y N

Date 7/12/12 Island Oahu Study Site Kawainui Lat _____

Capture Method Hand Hand/Snorkel Scoop Net
Net Basking Stranding Location Scheimans Lon _____

Old Tags		New Tags	
PIT (LHF)	Tag (LHF)	PIT (LHF)	Tag (LHF)
_____	_____	<u>4B1C495840</u>	
_____	_____	<u>4B19411307</u>	
PIT (RHF)	Tag (RHF)	PIT (RHF)	Tag (RHF)
PIT ()	Tag ()	PIT (RHF)	Tag (RHF)
Old MT	Renewed <input type="checkbox"/> Tag	New MT	Other

Measurements (cm) Comments: Injuries, Abnormalities, Mouth Contents, etc.

SCL 69.8 Lat1 —
 Notch 69.6 Lat2 —
 SCW 57.2 Lat3 —
 CCL 75.0 Plastron 59.3
 CCW 71.0 Tail 13.5
 Head 10.4 Vent 8.5
 RFF — Weight (lbs) 113.5

Samples Y N Skin (DNA) Diet (lavage) Barnacles Tumor
 Blood NTT Skin (SIA) Diet (mouth) Other MIST Scute

Tumors		Tumors				Comments
1	2	3	4			
R eye						
L eye						
Mouth						
Neck						
RFF						
LFF						
RHF						
LHF						
Tail Cloaca						
Seams Scutes						
TOTAL						

Visual Examination 13.5
 Tumors Y N Leeches Y N
 Oral Tumors Y N Leech Eggs Y N
 Visible Y N Emac Code 0
 Tumor Score 0
 Dorsal Barn 0 Vent Barn 1
 Flipper Amput'd Y N Carapace Damage Y N
 Fish Hook Y N Fishing Line Y N
 Boat Impact Y N Shark Attack Y N
 PPS Y N Photos Y N

attempt photo ventral side of barnacle
63.5 Noah

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2570 Dole Street
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Sea Turtle Tagging Form

Version 3 - Sept 2010



Turtle ID _____

Data Recorded By WMAKTS

Release Date _____

Release Site _____

Capture Information: Species CM EI LO Sex M F U Recapture Y N

Date 7/12/12 Island Oahu Study Site Kaunani Lat _____

Capture Method Scoop Net Location Scheiman's Lon _____

Old Tags _____ New Tags Y N

PIT (LHF) _____	Tag (LHF) _____	PIT (LHF) <u>4A2D17264C</u>
PIT (RHF) _____	Tag (RHF) _____	
PIT () _____	Tag () _____	PIT (RHF) <u>4A18125E7B</u>
() _____	() _____	
Old MT _____	Other Tag _____	New MT _____
Renewed <input type="checkbox"/>		Other _____

Measurements (cm) Comments: Injuries, Abnormalities, Mouth Contents, etc.

SCL <u>42.9</u> Lat1 <u>-</u>	<p><u>- Fecal swabs X 2</u> <u>- 6 centrals, 5 lateralals, 4 lat.</u> <u>- Barnacle bridging 1st central & 1st lat</u></p>
Notch <u>42.4</u> Lat2 <u>-</u>	
SCW <u>34.9</u> Lat3 <u>-</u>	
CCL <u>45.5</u> Plastron <u>44.8</u>	
CCW <u>40.5</u> Tail <u>8.0</u>	

Samples Y N Skin (DNA) Diet (lavage) Barnacles Tumor Blood Skin (SIA) Diet (mouth) Other scute scrape

Head _____ Vent 5

RFF _____ Weight (lbs) 23.8

Visual Examination

Tumors Y <u>N</u>	Leeches Y <u>N</u>	<table border="1"> <thead> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>Comments</th> </tr> </thead> <tbody> <tr><td>Reye</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Eye</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Mouth</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Neck</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>RFF</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>LFF</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>RHF</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>LHF</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Tail Cloaca</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Seams Scutes</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TOTAL</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		1	2	3	4	Comments	Reye						Eye						Mouth						Neck						RFF						LFF						RHF						LHF						Tail Cloaca						Seams Scutes						TOTAL					
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Flipper Amput'd Y <u>N</u>	Carapace Damage Y <u>N</u>																																																																									
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Boat Impact Y <u>N</u>	Shark Attack Y <u>N</u>																																																																									
PPS Y <u>N</u>	Photos <u>Y</u> <u>N</u>																																																																									

221

87A

48414C1277



48414C1277

Extra P.T
Label



4B1A527820

4B1A527820



4B1A527820



4B1C495840



4B1C495840



4B1A5D2744



4B1A5D2744

4B192F4564



4B192F4564



4B192F4564

15A

DO NOT AUTOCLAVE

RED DOT TURNS
BROWN



WHEN SUBJECTED
TO GAS
STERILIZATION

CO1538

4B19411307



4B19411307

4B19411307

4A18125E7B



PN 81900001

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U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 NATIONAL MARINE FISHERIES SERVICE
 Pacific Islands Fisheries Science Center
 2570 Dole St. • Honolulu, Hawaii 96822-2396
 (808)983-5733 • Fax: (808)983-2902

JULY 8, 2012

MEMORANDUM FOR:

DOCARE OAHU
 NOAA OLE

FROM: George H. Balazs, cell 286-2899
 Leader, Marine Turtle Research Program
 Telephone: (808) 983-5733
 Fax: (808) 983-2902

SUBJECT: Notification of intended research involving capture and tagging of sea turtles

From (date) TUESDAY JULY 10th (time) 9 AM to
 (date) JULY 12th Thursday (3 days TOTAL) (time) 3 PM DAILY

We will be conducting capture, tagging, and related research activities of sea turtles at KAILUA BAY, OAHU & KAWAIIKI CANAL INTO KAILUA BAY.

_____ These activities are authorized under Federal Fish and Wildlife Permit TE-739350-3, 50CFR 17.31(b), 50CFR 17.22, State of Hawaii Protected Wildlife Permit No. ED2011-03, and NOAA/NMFS Permit No. 1581-01

- Research activities will be conducted from shore by snorkeling and/or scuba diving to hand-capture turtles. USING INNER TUBES TO TRANSPORT THE TURTLES TO SHORE
- Research activities will be conducted ~~from shore~~ using a closely USING SCOOP NETS monitored tangle net to capture turtles.
- Research activities will be conducted using a bullpen net.
- Research activities will be conducted from a boat by snorkeling and/or scuba diving to hand capture turtles. The boat's identification number, name, and description are as follows:
- Research activities will involve turtles basking ashore ALONG KAWAIIKI CANAL.
RESEARCH BANNERS WILL BE DISPLAYED

TURTLEID	EVENT_DATE	ISLAND	LOC	NEWTAGS_YN	METH	SCL_CM	CCL_CM	WEIGHT_LB	TUMRKN	MOTOTOOL
	3101	14-Apr-00	OAHU	Y	Hand/Snorkel	64.5	68.5	70	2	20
	3101	23-Apr-01	OAHU	N	Hand/Snorkel	64.3		69	2	11
	4135103343	17-Mar-00	OAHU	Y	Net	59.9	65	68	1	7
	4135662756	24-Jan-03	OAHU	Y	Scoop Net	44.1	47.5	27	0	
	4135787535	17-Mar-00	OAHU	Y	Scoop Net	47	50.5	26	2	3
	4135787535	23-Apr-01	OAHU	N	Hand/Snorkel	47	49.5	30	1	3
	4135787535	16-Aug-01	OAHU	N	Scoop Net	47	50.5	31	1	3
	4135787535	23-Jan-03	OAHU	N	Scoop Net	49.2	52.5	36	1	
	4135787535	14-Jan-08	OAHU	N	Net	52.1	56	40.5	1	
	4136001511	17-Mar-00	OAHU	Y	Scoop Net	49.2	52.5	40	0	2
	4136001511	16-Aug-01	OAHU	N	Scoop Net	50.4	54	45	0	
	4136075868	14-Apr-00	OAHU	Y	Hand/Snorkel	57	60.5	52	2	18
	4136081368	17-Mar-00	OAHU	Y	Net	60.9	66	77	0	10
	4136081368	3-Sep-00	OAHU	N	Sighted				0	10
	4136205923	14-Apr-00	OAHU	Y	Hand/Snorkel	63.2	67	73	3	21
	4243312253	9-Sep-02	OAHU	Y	Scoop Net	55.5	59.5	53	0	3
	4243312253	18-Dec-02	OAHU	N	KRF Captive	57.2	61	55.1	0	3
	4451520141	14-Jan-08	OAHU	Y	Hand	51.4	55	40	0	
	4452052123	14-Jan-08	OAHU	Y	Net	53.6	59	46.5	0	
	4452052123	29-Oct-08	OAHU	N	Hand/Snorkel	55	59.5	52	0	20
	4452314700	22-Oct-04	OAHU	Y	KRF Captive	44.3	47	26.6	0 SA	
	4452712301	12-Aug-03	OAHU	Y	Scoop Net	60.2	66.5	70	0	
	4454682012	31-Jul-08	OAHU	N	KRF Captive	54.4	58.5	39.6	0	70
	4601705479	29-Oct-08	OAHU	Y	Scoop Net	51.1	54.5	38	0	24
	4602361966	11-Jun-08	OAHU	Y	Scoop Net	46.9	50.5	34.3	0	4
	4607661036	29-Apr-08	OAHU	Y	KRF Captive	40.7	43.2	21.7	0 6D	
	4608021627	29-Oct-08	OAHU	Y	Scoop Net	49	53	36.5	0	25
	5019236956	11-Aug-03	OAHU	Y	Scoop Net	49.1	53.5	37	0	
	5019236956	28-Jul-08	OAHU	Y	Scoop Net	52	57	36.5	0	12
	5019236956	30-Oct-08	OAHU	N	Scoop Net	52.1	56.5	38.5	0	12
	5019493246	14-Apr-00	OAHU	Y	Scoop Net	57.3	61	46	3	16
	4.61E+52	29-Apr-08	OAHU	Y	KRF Captive	58.7	63.5	57.1	0 E4	
	407A3A1622	17-Mar-00	OAHU	Y	Hand	46.9	50	30	0	4
	407A3A1622	14-Apr-00	OAHU	N	Scoop Net	47	49.5	30	0	4
	407A3A1622	10-Apr-01	OAHU	N	Hand/Snorkel	47	50	30	0	4
	407A3A1622	30-Oct-08	OAHU	N	Scoop Net	56.9	61.5	54	0	27
	407A3A1622	18-Feb-09	OAHU	Y	Scoop Net	57.3	62	54.1	0	27
	407A3A1622	14-May-09	OAHU	N	Scoop Net	57	62	56.5	0	27
	410379430C	14-Apr-00	OAHU	Y	Scoop Net	56.1	60	55	1	14
	410379430C	14-May-01	OAHU	N	Hand/Snorkel	56.3	61	55	1	14
	410410664C	14-Apr-00	OAHU	Y	Hand/Snorkel	56.5	60	48	2	13
	41350B3711	17-Mar-00	OAHU	Y	Hand/Snorkel	47.8	51	31	1	9
	41350B3711	27-Mar-01	OAHU	N	Hand/Snorkel	48.5	51.5	31	1	9
	41350B3711	29-Mar-01	OAHU	N	Hand/Snorkel	48.5	51.5	29.6	1	9
	41350B3711	18-Jun-01	OAHU	N	KRF Captive	49.3		34.4	1	9
	41350B3711	16-Aug-01	OAHU	N	Scoop Net	49.4	52.5	36	1	9
	41350F714A	17-Mar-00	OAHU	Y	Hand/Snorkel	55.7	59.5	48	1	8
	41350F714A	27-Mar-01	OAHU	N	Hand/Snorkel	55.4	58.4	45	2	8
	41350F714A	10-Apr-01	OAHU	N	Sighted				2	8
	41350F714A	23-Apr-01	OAHU	N	Sighted				2	
	413513343D	14-Apr-00	OAHU	N	Hand/Snorkel	53.8	56.5	47	0	15
	413513343D	7-Jun-00	OAHU	N	Scoop Net	53	56.5	46	0	15
	413513343D	16-Aug-01	OAHU	N	Scoop Net	54.9	59	55	0	15
	4135142D59	24-Jan-03	OAHU	Y	Scoop Net	62.8	69	75	0	
	413519225D	17-Mar-00	OAHU	Y	Net	47.5	51	32	0	12
	413522604F	17-Mar-00	OAHU	Y	Hand/Snorkel	47	50.5	24	0	6
	413522604F	14-Apr-00	OAHU	N	Hand/Snorkel	46.9	50	28	0	6
	413522604F	7-Jun-00	OAHU	N	Scoop Net	47.1	50	28	0	6
	413522604F	29-Aug-01	OAHU	N	Scoop Net	47.7	51.5	32	0	6
	413522604F	29-Dec-01	OAHU	N	KRF Captive	48.6	52.5	29.2	0	6
	413522604F	12-Aug-03	OAHU	N	Scoop Net	53.7	58	44	0	
	41352E0379	24-Jan-03	OAHU	Y	Scoop Net	56.7	61	55	0	
	41356A7124	14-May-01	OAHU	Y	Hand/Snorkel	62	67	75	0 3D	
	41356C0551	17-Mar-00	OAHU	Y	Net	44	47.5	26	0	11
	4135790C40	7-Jul-05	OAHU	Y	Stranded	61.8	67	75.9	0 EL	
	41357A6136	17-Mar-00	OAHU	Y	Hand/Snorkel	41.4	44	21	0	5
	41357A7148	14-Apr-00	OAHU	Y	Hand/Snorkel	44.7	46.5	26	1	19

41357A7148	7-Jun-00 OAHU		N	Hand/Snorkel	44.8	47.5	26	2	19
41357A7148	23-Apr-01 OAHU	Kailua Bay	N	Hand/Snorkel	44.5	46.5	18	2	19
41360F6A76	11-Aug-03 OAHU	Right of way	Y	Scoop Net	57.7	62.5	62	0	
413614392E	17-Mar-00 OAHU	Kailua Bay	Y	Scoop Net	55.2	58.5	48	0	1
41363E3761	28-Jun-05 OAHU	Right-of-way	N	Stranded	58.2	61.5	55.8	0	5D
413E412430	14-Apr-00 OAHU		Y	Scoop Net	0	0	40	0	17
413E412430	11-Aug-03 OAHU	Right of way	N	Scoop Net	52.1	56	58	0	
413E4B3147	24-Jan-03 OAHU	Right-of-way Reef	Y	Scoop Net	50.6	53	40	0	
422D4F7A3F	11-Aug-03 OAHU	Right of way	Y	Scoop Net	58.6	62.5	66	0	
422D6D0500	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	53.7	58	49	0	A
422D6D0500	29-Dec-01 OAHU		Y	KRF Captive	54.1	58.5	43.6	0	A
422D6D0500	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	57.1	61	60	0	
422D6D0500	11-Aug-03 OAHU	Right of way	N	Scoop Net	57.8	63	59	0	
422D744378	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	40	43	21	1	
422D760548	21-May-02 OAHU		Y	KRF Captive	63.2	87.5	70.6	3	PBO
422F0B6F62	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	49.6	53	38	0	B
422F0B6F62	29-Dec-01 OAHU		Y	KRF Captive	50.9	54	36.5	0	B
422F0B6F62	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	54.8	58	53	0	
422F0B6F62	11-Aug-03 OAHU	Right of way	N	Scoop Net	55.4	60	53	0	
422F0B6F62	7-Jul-05 OAHU	Right-of-way	N	Stranded	58.7	62.5	53.8	0	LI
422F0B6F62	11-Jun-08 OAHU	Right-of-way	N	Scoop Net	60.6	64	67.8	0	2
422F0B6F62	30-Oct-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	61.2	65.5	70.5	0	2
422F0B6F62	18-Feb-09 OAHU	Right-of-way	N	Scoop Net	61.8	66.5	68.1	0	2
422F0B6F62	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	61.4	66	68.6	0	2
422F0C4758	7-May-02 OAHU		Y	KRF Captive	65.1	68.5	67.7	2	WE
422F11212F	2-Oct-02 OAHU	Right of way	Y	KRF Captive	56.1	60.5	46.5	0	
422F12724C	31-Aug-01 OAHU	Kailua Bay	N	Scoop Net	54.1	58.5	48.1	0	E
422F12724C	29-Dec-01 OAHU		Y	KRF Captive	55.7	60	49.5	0	E
4232514A71	4-Sep-04 OAHU	Right-of-way	N	Stranded	42.1	44.5	20	0	A7
423464480D	12-Aug-03 OAHU	Right of way	Y	Scoop Net	52.1	57	48	0	
4236101C71	7-Jan-05 OAHU	Right-of-way	N	KRF Captive	73.9	80		1	
42362B5F40	1-Oct-04 OAHU		Y	KRF Captive	51.4	54.5	36.2	0	4B
42363E5368	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	50.9	55	41	0	C
42363E5368	29-Dec-01 OAHU		Y	KRF Captive	52.7	57	42.8	0	C
423A1F367E	20-Jun-01 OAHU	Kailua Bay	Y	Hand/Snorkel	56.8	62	60	0	7E
423A267528	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	41.8	45	27	1	
423A267528	23-Jan-03 OAHU	Canal	N	Hand/Snorkel	43	45.5	26	2	
423B2B445D	27-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	61.2	65.5	60	0	5D
423B307834	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	69.3	75	93	3	
423C13217D	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	43.6	45.5	26	0	
423C13217D	23-Jan-03 OAHU	Canal	N	Hand/Snorkel	44.3	46.5	27	0	
423D62416D	9-Sep-02 OAHU		Y	Scoop Net	48.2	51.5		1	
423D62416D	28-Nov-05 OAHU	Mrs. Scherman's	N	Scoop Net	54.2	58.5	51.5	0	
423D655D30	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	56.3	60	45	1	
423D655D30	14-Oct-02 OAHU	Kailua Bay	N	Hand/Snorkel	58.2	62	52	1	
423D655D30	12-Aug-03 OAHU	Right of way	N	Scoop Net	58.9	53	56	1	
423D674056	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	75.9	80.5	110	3	
423D6D0B4E	23-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	66.1	71	75	1	4E
423D711175	10-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	59	62.5	63	0	0
423E047A4F	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	48.4	52	37	0	
423E047A4F	28-Nov-05 OAHU	Mrs. Scherman's	N	Scoop Net	52	56	35.2	0	
423E060D21	10-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	53.9	57.5	45	1	3A
423E060D21	20-Jun-01 OAHU	Kailua Bay	N	Sighted				1	
423E08313C	10-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	44.3	47	25	0	3C
423E102674	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	63.4	69	84	1	
423F1F0221	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	42.6	45.5	28	0	
423F1F4E04	19-Apr-01 OAHU	Kailua Bay	Y	KRF Captive	45.9	48	22.7	1	
423F22193A	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	47.5	50	30	0	
423F260E45	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	58.5	64	67	1	
423F331D58	23-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	51.4	54.5	39	1	58
423F331D58	9-Sep-02 OAHU		N	Scoop Net	52.4	55		1	
423F331D58	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	52.4	56	43	1	
423F331D58	11-Aug-03 OAHU	Right of way	N	Scoop Net	53	57	45	1	
423F331D58	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	61.4	66.5	70.7	0	14
423F331D58	18-Feb-09 OAHU	Right-of-way	Y	Scoop Net	62.0	68	75.5	0	14
423F4A262D	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	38.9	42.5	18	0	
4243257D7F	27-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	56.3	58	47	2	7F
424326331D	20-Jun-01 OAHU	Kailua Bay	Y	Hand/Snorkel	36.8	39	15	0	1D

424B3B3F68	10-Apr-01 OAHU	Kailua Bay - Basking	Y	Basking	62.9	67.5	64	3	6C
424B3B3F68	23-Apr-01 OAHU	Kailua Bay	N	Sighted				3	
424D410752	29-Jan-02 OAHU		Y	Stranded	51.2	55		2	B0
424D462100	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	45.9	49	28	0	D
424D462100	31-Aug-01 OAHU	Kailua Bay	N	Scoop Net	45.8	49.5	28.6	0	D
424D462100	29-Jan-02 OAHU		N	KRF Captive	47.9	51.5	33.6	0	D
424D703E25	27-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	45.3	47	23	2	0C
424D703E25	20-Jun-01 OAHU	Kailua Bay	N	Hand/Snorkel	44.9	48	24	2	0C
424D703E25	16-Aug-01 OAHU	Kailua Bay	N	Hand/Snorkel	44.9	47.5	22	2	0C
424D7F6907	27-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	49	52	34	1	1F
424D7F6907	11-Aug-03 OAHU	Right of way	N	Scoop Net	54.5	58.5	48	0	
424D7F6907	28-Nov-05 OAHU		N	Hand/Snorkel	58.4	62	61.3	0	
424D7F6907	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	59.9	64.5	66.5	0	15
424D7F6907	30-Oct-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	60	64	64	0	15
424E16532E	1-Oct-04 OAHU		N	KRF Captive	54.4	58.5	39.6	0	F2
424E260A37	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	50.7	53.5	38	1	
424E260A37	12-Aug-03 OAHU	Right of way	N	Scoop Net	50.9	54.5	37	1	
424E260A37	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	57.3	61.5	61	0	16
424E260A37	29-Oct-08 OAHU	Scherman's	Y	Hand/Snorkel	57.8	62	58	0	16
424E267041	23-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	39.9	41.6	19	0	57
424E44567D	20-Jun-01 OAHU	Kailua Bay	Y	Hand/Snorkel	44.9	48	20	2	7D
424E682401	29-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	46	49.5	28.2	2	1
424E682401	28-May-01 OAHU	Kailua Bay	N	KRF Captive	45.9			1	
424E7D3E79	9-Sep-02 OAHU		Y	Scoop Net	49.5	52	34.4	0	1
424E7D3E79	18-Dec-02 OAHU		N	KRF Captive	51.4	54.5	39.9	0	1
424E7D3E79	14-Jan-08 OAHU	Mrs. Scherman	N	Hand	57.5	61	57	0	
424F205574	23-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	58.5	62.5	61	0	74
424F337D2E	27-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	50.8	55	42	0	2E
424F7A7E1B	9-Sep-02 OAHU		Y	Scoop Net	44.7	47	26	0	2
424F7A7E1B	18-Dec-02 OAHU		N	KRF Captive	46.5	49	28.5	0	2
4250001B11	27-Mar-01 OAHU	Kailua Bay	Y	Hand/Snorkel	41.9	44	23	1	1E
4250001B11	10-Apr-01 OAHU	Kailua Bay	N	Sighted				1	1E
4250184D03	23-Apr-01 OAHU	Kailua Bay	Y	Hand/Snorkel	51.5	55.4	32	3	3
433C6F1418	23-Jan-03 OAHU	Canal	Y	Hand/Snorkel	51.2	54	45	0	
433D576E26	23-Jan-03 OAHU	Kailua Bay	Y	Scoop Net	43.7	46	27	0	
433D576E26	28-Nov-05 OAHU	Mrs. Scherman's	N	Scoop Net	47.4	51.5	32.4	0	
43475C1405	23-Jan-03 OAHU	Kailua Bay	Y	Scoop Net	55.3	58	54	0	
434F494D19	23-Jan-03 OAHU	Kailua Bay	Y	Scoop Net	47.4	51	34	0	
4350347D52	23-Jan-03 OAHU	Canal	Y	Hand/Snorkel	63.6	67.5	83	2	
44127C691C	31-Oct-03 OAHU	Right-of-way	N	KRF Captive	48.6	53	30.7	0	JB
44127F6129	27-Mar-03 OAHU		Y	KRF Captive	46.8	50	27.8	1	OJ
4413273D4C	31-Dec-05 OAHU	Right-of-way	Y	Stranded	55.5	59.3	50.6	0	
4414451A1C	31-Oct-03 OAHU	Right-of-way	N	KRF Captive	45	50	24.1	0	AN
442C523102	14-Oct-03 OAHU	Right-of-way	Y	KRF Captive	39.6	42	15.4	0	7C
442C672A4E	12-Sep-05 OAHU	Right-of-way	Y	KRF Captive	64	68.5	66	1	4E
442C7C3E62	14-Oct-03 OAHU	Right-of-way	N	KRF Captive	54.8	58	29.8	0	MA
442D4F0522	3-Oct-05 OAHU	Right-of-way	Y	KRF Captive	57.6	61.5	48	0	80
442D6C024B	19-Jun-06 OAHU	Right-of-way	Y	KRF Captive	53.8		30.8	0	BI
442D6C024B	22-Jun-06 OAHU		N	Basking				0	
442D73095E	5-Aug-05 OAHU	Right-of-way	Y	KRF Captive	45.8	48		0	5E
442F0A182D	7-Sep-05 OAHU	Right-of-way	N	Stranded	64	67	69.9	2	44
442F1A2D05	14-Apr-03 OAHU		Y	KRF Captive	41.3	44	17.7	1	BB
442F1A2D05	11-Oct-03 OAHU	Right-of-way	N	Sighted					BB
442F225A20	17-Apr-03 OAHU		Y	KRF Captive	37.2	40	12.8	0	W4
442F6D1478	19-Jun-06 OAHU	Right-of-way	Y	Stranded	52.6	55.5	41.2	0	RI
442F70787D	3-Oct-05 OAHU	Right-of-way	Y	KRF Captive	42.7	45	19.3	0	
443978130C	14-Jul-05 OAHU	Right-of-way	Y	Stranded	43.5	47.5	23.8	0	0C
44397C3B45	28-Jul-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	65.7	72	84.5	0	17
44397C3B45	29-Oct-08 OAHU	Scherman's	N	Scoop Net	65.9	71.5	84	0	17
44397C3B45	18-Feb-09 OAHU	Right-of-way	N	Scoop Net	66	72	81.5	0	17
44397F147E	12-Aug-03 OAHU	Right of way	Y	Scoop Net	59.1	63.5	62	0	
443A01721F	11-Aug-03 OAHU	Right of way	Y	Scoop Net	53.5	57	47	0	
443A01721F	11-Jun-08 OAHU	Right-of-way	N	Scoop Net	57.2	61	56	0	7
443A01721F	30-Oct-08 OAHU	Right-of-way, Perry's	N	Scoop Net	58	61.5	59.5	0	7
443A07695B	11-Aug-03 OAHU	Right of way	Y	Scoop Net	60.3	64	79	0	
443A07695B	11-Jun-08 OAHU	Right-of-way	N	Scoop Net	64.5	68	104.3	0	9
443A07695B	30-Oct-08 OAHU	Right-of-way, Perry's	N	Scoop Net	65.1	68	103.5	0	9
443A197133	12-Aug-03 OAHU	Right of way	Y	Scoop Net	42.4	46	23	0	

443A197133	14-Jan-08 OAHU	Mrs. Scherman	N	Net	50.6	54.5	38	1	
443A197133	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	51.2	55.5	41.5	1	18
443A197133	30-Oct-08 OAHU	Right-of-way, Perry's	N	Scoop Net	51.9	56.5	44	1	18
443A197133	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	52.3	56.5	35	1	18
443A1C2318	18-Feb-09 OAHU	Right-of-way	Y	Scoop Net	49.2	53	34.6	0	31
443A1C2318	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	48.9		35.5	0	31
443A24072D	14-Jan-08 OAHU	Mrs. Scherman	Y	Hand	49.5	52.5	35	0	
445148174D	14-Jul-05 OAHU	Right-of-way	Y	KRF Captive	42.4	46		0	4D
445148174D	28-Nov-05 OAHU		N	Hand/Snorkel	42.7	45.5	21.1	0	4D
44517E1050	12-Aug-03 OAHU	Right of way	Y	Scoop Net	52.5	56	50	0	
44520A7C73	23-Jun-05 OAHU		Y	Stranded	57	61	54.7	1	2F
44520A7C73	27-Jun-05 OAHU	Mouth of canal	N	Sighted				0	2F
44521C0B7D	14-Jan-08 OAHU	Mrs. Scherman	Y	Net	53.8	57	51.5	0	
44522B6171	28-Jul-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	51.7	56	41	0	11
44522B6171	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	52.8	57	42	0	11
4452305B36	11-Jun-08 OAHU	Right-of-way	Y	Scoop Net	54.5	59	51.3	0	8
4452320D78	12-Aug-03 OAHU	Right of way	Y	Scoop Net	40.5	43	22	0	
445235715F	18-Aug-08 OAHU	Right-of-way	Y	KRF Captive	50.8	54.5	36.5	0	A0
44523B620A	11-Aug-03 OAHU	Right of way	Y	Scoop Net	41.8	45	26	0	
44523B620A	28-Nov-05 OAHU		N	Hand/Snorkel	47.7	51.5	35.3	0	
44523B620A	14-May-09 OAHU	Right-of-way, along ledge	N	Hand/Snorkel	53.4	57.5	47.5	0	34
445262346D	11-Jun-08 OAHU	Right-of-way	Y	Scoop Net	43.5	47	26.8	0	10
445262346D	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	43.7			0	10
44526B1B66	28-Jul-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	51.1	56.5	46	0	13
44537E7938	20-Jun-05 OAHU	Right-of-way	N	Stranded	74.8			2	KC
4454035D3B	18-Aug-08 OAHU	Right-of-way	N	Basker	72.6		110.6	2	3B
445407216F	1-Aug-06 OAHU		Y	KRF Captive	46.5	49	25.5	0	6F
44546D2D75	14-Jan-08 OAHU	Mrs. Scherman	Y	Net	46.6	50	31.5	0	
44546D2D75	29-Oct-08 OAHU	Scherman's	Y	Hand/Snorkel	47.4	50.5	33.5	0	19
4455037F68	4-Dec-06 OAHU		Y	Stranded	53.7	58	50.2	0	7F
4524247D3C	14-May-09 OAHU	Right-of-way, Perry's	Y	Hand/Snorkel	55.6	59	52	0	35
452615281A	18-Feb-09 OAHU	Right-of-way	Y	Scoop Net	48.3	52	35.1	0	32
45275F037D	18-Feb-09 OAHU	Right-of-way	Y	Scoop Net	52.2	57	67.1	0	30
45285D1A44	18-Feb-09 OAHU	Right-of-way	Y	Scoop Net	54.2	58	40.5	0	33
457C69201F	29-Oct-08 OAHU	Scherman's	Y	Scoop Net	62	68	62.5	0	22
46016A0A4A	30-Oct-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	49.3	52.5	28.5	0	28
46016A0A4A	18-Feb-09 OAHU	Right-of-way	N	Scoop Net	49.3	52.5	28	0	28
46016A0A4A	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	49.1	52	31.5	0	28
46016E3B18	30-Oct-08 OAHU	Right-of-way, Perry's	Y	Scoop Net	56.3	60.5	56	0	29
46016E3B18	18-Feb-09 OAHU	Right-of-way	N	Scoop Net	56.3	61	53	0	29
4601787B66	28-Nov-05 OAHU	Mrs. Scherman's	Y	Scoop Net	42.6	46	24.7	0	
4601794F15	11-Jun-08 OAHU	Right-of-way	Y	Scoop Net	54.7	59	55.3	0	5
4601794F15	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	56	60	55	0	5
46017A5344	28-Nov-05 OAHU	Canal	Y	Hand/Snorkel	48.7	52.5	30.3	0	
4602036C38	28-Nov-05 OAHU		Y	Hand/Snorkel	44.9	48	28.4	0	
460219745C	11-Jun-08 OAHU	Right-of-way	Y	Scoop Net	60.9	65	68.3	0	1
460219745C	30-Oct-08 OAHU	Right-of-way, Perry's	N	Scoop Net	61.5	66	69.5	0	1
4603686F19	11-Jun-08 OAHU	Right-of-way	Y	Scoop Net	52.1	55.5	45.3	0	6
4603686F19	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	52.5			0	6
46075D2C48	28-Nov-05 OAHU	Mrs. Scherman's	Y	Scoop Net	59.9	64.5	63.4	1	
460806153C	29-Oct-08 OAHU	Scherman's	Y	Hand/Snorkel	50.7	54	38.5	0	23
460806153C	18-Feb-09 OAHU	Right-of-way	Y	Scoop Net	50.6	53.5	37.1	0	23
4608073D6D	29-Oct-08 OAHU	Scherman's	Y	Scoop Net	54.6	59.5	50	0	26
4608145B26	29-Oct-08 OAHU	Scherman's	Y	Scoop Net	50.2	54.5	41	0	21
470977684D	19-Jun-07 OAHU	Stranded	Y	Stranded	48.4	52	27.8	0	3B
470D01034B	5-Jun-09 OAHU		Y	Stranded	39.3	42	18.6	0	565
500C4B7C2E	11-Aug-03 OAHU	Right of way	Y	Scoop Net	58	62	60	0	
500C4B7C2E	11-Jun-08 OAHU	Right-of-way	Y	Hand	61.2	66	68.8	0	3
500C4B7C2E	28-Jul-08 OAHU	Right-of-way, Perry's	N	Scoop Net	61.6			0	3
500C4D6253	27-Sep-00 OAHU		Y	KRF Captive	63.7	67.5	65.3	0	D
500E0B076D	7-Jun-00 OAHU		Y	Scoop Net	48.4	52.5	38	1	26
500E0E3708	7-Jun-00 OAHU		Y	Scoop Net	56.5	60	49	1	25
500E0E3708	16-Aug-01 OAHU	Kailua Bay	N	Scoop Net	56.2	60	48	1	25
500E0F1131	7-Jun-00 OAHU		Y	Hand/Snorkel	48.5	52	39	1	31
500E0F1131	14-Oct-02 OAHU	Kailua Bay	N	Hand/Snorkel	51.8	55	47	1	
500E103813	11-Aug-03 OAHU	Right of way	Y	Scoop Net	59.7	64.5	73	0	
500E1C1623	14-May-01 OAHU	Kailua Bay	Y	Hand/Snorkel	65.4	70.5	70	3	6A
500E1C1623	16-Aug-01 OAHU	Kailua Bay	N	Hand/Snorkel	65.7	71.5	55.7	3	6A

500E393A73	7-Jun-00 OAHU		Y	Scoop Net	49.3	52.5	32	3	29
500E3E541E	14-May-01 OAHU	Kailua Bay	Y	Hand/Snorkel	72.2	77	96	3 1E	
500E3E541E	16-Aug-01 OAHU	Kailua Bay	N	Hand/Snorkel	72.3	77	95	3 1E	
500F171D32	31-Aug-00 OAHU		Y	KRF Captive		49		0	
500F173660	7-Jun-00 OAHU		Y	Scoop Net	56.2	60	55	0	
500F173660	22-Jun-00 OAHU		N	KRF Captive				0	
500F201C15	7-Jun-00 OAHU		Y	Hand/Snorkel	47	49.5	30	0	27
500F225263	7-Jun-00 OAHU		Y	Scoop Net	56.8	61.5	58	0	22
500F225263	12-Aug-03 OAHU	Right of way	N	Scoop Net	61.2	66.5	75	0	
500F277741	7-Jun-00 OAHU		Y	Scoop Net	54	58	48	0	32
500F277741	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	55.7	60.5	60	1	
500F277741	11-Aug-03 OAHU	Right of way	N	Scoop Net	58.1	63.5		2	
501910620F	7-Jun-00 OAHU		Y	Scoop Net	55.3	59	42	0	23
501910620F	12-Aug-03 OAHU	Right of way	N	Scoop Net	60.5	66	71	0	
502E222270	7-Jun-00 OAHU		Y	Scoop Net	53	57	51	1	28
502E222270	14-May-01 OAHU	Kailua Bay	N	Hand/Snorkel	53	56.5	46	1	28
502E222270	20-Jun-01 OAHU	Kailua Bay	N	Sighted				1	
502E562F19	7-Jun-00 OAHU		Y	Hand/Snorkel	48.2	52	39	0	30
502E562F19	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	52.6	56.5	48	0	
502E78036D	7-Jun-00 OAHU	Basking	Y	Basking	73.1	78.5		0	24
WB16	28-Jul-05 OAHU	Right-of-way	N	Stranded	47.3	50	35.8	0	39
Y676	5-Jun-03 OAHU	Right-of-way	N	KRF Captive				2	

TURTLEID	EVENT_DATE	ISLAND	LOC	NEWTAGS_YN	METH	SCL_CM	CCL_CM	WEIGHT_LB	TUMRKN	MOTOTOOL
407A3A1622	17-Mar-00	OAHU		Y	Hand	46.9	50	30	0	4
41350B3711	17-Mar-00	OAHU	Kailua Bay	Y	Hand/Snorkel	47.8	51	31	1	9
41350F714A	17-Mar-00	OAHU	Kailua Bay	Y	Hand/Snorkel	55.7	59.5	48	1	8
4135103343	17-Mar-00	OAHU	Kailua Bay	Y	Net	59.9	65	68	1	7
413519225D	17-Mar-00	OAHU	Kailua Bay	Y	Net	47.5	51	32	0	12
413522604F	17-Mar-00	OAHU	Kailua Bay	Y	Hand/Snorkel	47	50.5	24	0	6
41356C0551	17-Mar-00	OAHU	Kailua Bay	Y	Net	44	47.5	26	0	11
4135787535	17-Mar-00	OAHU	Kailua Bay	Y	Scoop Net	47	50.5	26	2	3
41357A6136	17-Mar-00	OAHU	Kailua Bay	Y	Hand/Snorkel	41.4	44	21	0	5
4136001511	17-Mar-00	OAHU	Kailua Bay	Y	Scoop Net	49.2	52.5	40	0	2
4136081368	17-Mar-00	OAHU	Kailua Bay	Y	Net	60.9	66	77	0	10
413614392E	17-Mar-00	OAHU	Kailua Bay	Y	Scoop Net	55.2	58.5	48	0	1
3101	14-Apr-00	OAHU		Y	Hand/Snorkel	64.5	68.5	70	2	20
407A3A1622	14-Apr-00	OAHU		N	Scoop Net	47	49.5	30	0	4
410379430C	14-Apr-00	OAHU		Y	Scoop Net	56.1	60	55	1	14
410410664C	14-Apr-00	OAHU		Y	Hand/Snorkel	56.5	60	48	2	13
413513343D	14-Apr-00	OAHU		N	Hand/Snorkel	53.8	56.5	47	0	15
413522604F	14-Apr-00	OAHU		N	Hand/Snorkel	46.9	50	28	0	6
41357A7148	14-Apr-00	OAHU		Y	Hand/Snorkel	44.7	46.5	26	1	19
4136075868	14-Apr-00	OAHU		Y	Hand/Snorkel	57	60.5	52	2	18
4136205923	14-Apr-00	OAHU		Y	Hand/Snorkel	63.2	67	73	3	21
413E412430	14-Apr-00	OAHU		Y	Scoop Net	0	0	40	0	17
5019493246	14-Apr-00	OAHU		Y	Scoop Net	57.3	61	46	3	16
413513343D	7-Jun-00	OAHU		N	Scoop Net	53	56.5	46	0	15
413522604F	7-Jun-00	OAHU		N	Scoop Net	47.1	50	28	0	6
41357A7148	7-Jun-00	OAHU		N	Hand/Snorkel	44.8	47.5	26	2	19
500E0B076D	7-Jun-00	OAHU		Y	Scoop Net	48.4	52.5	38	1	26
500E0E3708	7-Jun-00	OAHU		Y	Scoop Net	56.5	60	49	1	25
500E0F1131	7-Jun-00	OAHU		Y	Hand/Snorkel	48.5	52	39	1	31
500E393A73	7-Jun-00	OAHU		Y	Scoop Net	49.3	52.5	32	3	29
500F173660	7-Jun-00	OAHU		Y	Scoop Net	56.2	60	55	0	
500F201C15	7-Jun-00	OAHU		Y	Hand/Snorkel	47	49.5	30	0	27
500F225263	7-Jun-00	OAHU		Y	Scoop Net	56.8	61.5	58	0	22
500F277741	7-Jun-00	OAHU		Y	Scoop Net	54	58	48	0	32
501910620F	7-Jun-00	OAHU		Y	Scoop Net	55.3	59	42	0	23
502E222270	7-Jun-00	OAHU		Y	Scoop Net	53	57	51	1	28
502E562F19	7-Jun-00	OAHU		Y	Hand/Snorkel	48.2	52	39	0	30
502E78036D	7-Jun-00	OAHU	Basking	Y	Basking	73.1	78.5		0	24
500F173660	22-Jun-00	OAHU		N	KRF Captive				0	
500F171D32	31-Aug-00	OAHU		Y	KRF Captive		49		0	
4136081368	3-Sep-00	OAHU		N	Sighted				0	10
500C4D6253	27-Sep-00	OAHU		Y	KRF Captive	63.7	67.5	65.3	0 D	
41350B3711	27-Mar-01	OAHU	Kailua Bay	N	Hand/Snorkel	48.5	51.5	31	1	9
41350F714A	27-Mar-01	OAHU	Kailua Bay	N	Hand/Snorkel	55.4	58.4	45	2	8
423B2B445D	27-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	61.2	65.5	60	0 5D	
4243257D7F	27-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	56.3	58	47	2 7F	
424D703E25	27-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	45.3	47	23	2 0C	
424D7F6907	27-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	49	52	34	1 1F	
424F337D2E	27-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	50.8	55	42	0 2E	
4250001B11	27-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	41.9	44	23	1 1E	
41350B3711	29-Mar-01	OAHU	Kailua Bay	N	Hand/Snorkel	48.5	51.5	29.6	1	9
424E682401	29-Mar-01	OAHU	Kailua Bay	Y	Hand/Snorkel	46	49.5	28.2	2	1
407A3A1622	10-Apr-01	OAHU	Kailua Bay	N	Hand/Snorkel	47	50	30	0	4
41350F714A	10-Apr-01	OAHU	Kailua Bay	N	Sighted				2	8
423D711175	10-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	59	62.5	63	0	0
423E060D21	10-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	53.9	57.5	45	1 3A	
423E08313C	10-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	44.3	47	25	0 3C	
424B3B3F68	10-Apr-01	OAHU	Kailua Bay - Basking	Y	Basking	62.9	67.5	64	3 6C	
4250001B11	10-Apr-01	OAHU	Kailua Bay	N	Sighted				1 1E	
423F1F4E04	19-Apr-01	OAHU	Kailua Bay	Y	KRF Captive	45.9	48	22.7	1	
3101	23-Apr-01	OAHU	Kailua Bay	N	Hand/Snorkel	64.3		69	2	11
41350F714A	23-Apr-01	OAHU	Kailua Bay	N	Sighted				2	
4135787535	23-Apr-01	OAHU	Kailua Bay	N	Hand/Snorkel	47	49.5	30	1	3
41357A7148	23-Apr-01	OAHU	Kailua Bay	N	Hand/Snorkel	44.5	46.5	18	2	19
423D6D0B4E	23-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	66.1	71	75	1 4E	
423F331D58	23-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	51.4	54.5	39	1	58
424B3B3F68	23-Apr-01	OAHU	Kailua Bay	N	Sighted				3	
424E267041	23-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	39.9	41.6	19	0	57
424F205574	23-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	58.5	62.5	61	0	74
4250184D03	23-Apr-01	OAHU	Kailua Bay	Y	Hand/Snorkel	51.5	55.4	32	3	3
410379430C	14-May-01	OAHU	Kailua Bay	N	Hand/Snorkel	56.3	61	55	1	14
41356A7124	14-May-01	OAHU	Kailua Bay	Y	Hand/Snorkel	62	67	75	0 3D	

500E1C1623	14-May-01 OAHU	Kailua Bay	Y	Hand/Snorkel	65.4	70.5	70	3	6A
500E3E541E	14-May-01 OAHU	Kailua Bay	Y	Hand/Snorkel	72.2	77	96	3	1E
502E222270	14-May-01 OAHU	Kailua Bay	N	Hand/Snorkel	53	56.5	46	1	28
424E682401	28-May-01 OAHU	Kailua Bay	N	KRF Captive	45.9			1	
41350B3711	18-Jun-01 OAHU	Kailua Bay	N	KRF Captive	49.3		34.4	1	9
423A1F367E	20-Jun-01 OAHU	Kailua Bay	Y	Hand/Snorkel	56.8	62	60	0	7E
423E060D21	20-Jun-01 OAHU	Kailua Bay	N	Sighted				1	
424326331D	20-Jun-01 OAHU	Kailua Bay	Y	Hand/Snorkel	36.8	39	15	0	1D
424D703E25	20-Jun-01 OAHU	Kailua Bay	N	Hand/Snorkel	44.9	48	24	2	0C
424E44567D	20-Jun-01 OAHU	Kailua Bay	Y	Hand/Snorkel	44.9	48	20	2	7D
502E222270	20-Jun-01 OAHU	Kailua Bay	N	Sighted				1	
41350B3711	16-Aug-01 OAHU	Kailua Bay	N	Scoop Net	49.4	52.5	36	1	9
413513343D	16-Aug-01 OAHU	Kailua Bay	N	Scoop Net	54.9	59	55	0	15
4135787535	16-Aug-01 OAHU	Kailua Bay	N	Scoop Net	47	50.5	31	1	3
4136001511	16-Aug-01 OAHU	Kailua Bay	N	Scoop Net	50.4	54	45	0	
423A267528	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	41.8	45	27	1	
423D655D30	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	56.3	60	45	1	
423E047A4F	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	48.4	52	37	0	
423E102674	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	63.4	69	84	1	
423F22193A	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	47.5	50	30	0	
423F260E45	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	58.5	64	67	1	
423F4A262D	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	38.9	42.5	18	0	
424D462100	16-Aug-01 OAHU	Kailua Bay	Y	Scoop Net	45.9	49	28	0	D
424D703E25	16-Aug-01 OAHU	Kailua Bay	N	Hand/Snorkel	44.9	47.5	22	2	0C
500E0E3708	16-Aug-01 OAHU	Kailua Bay	N	Scoop Net	56.2	60	48	1	25
500E1C1623	16-Aug-01 OAHU	Kailua Bay	N	Hand/Snorkel	65.7	71.5	55.7	3	6A
500E3E541E	16-Aug-01 OAHU	Kailua Bay	N	Hand/Snorkel	72.3	77	95	3	1E
413522604F	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	47.7	51.5	32	0	6
422D6D0500	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	53.7	58	49	0	A
422F0B6F62	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	49.6	53	38	0	B
42363E5368	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	50.9	55	41	0	C
500F277741	29-Aug-01 OAHU	Kailua Bay	N	Scoop Net	55.7	60.5	60	1	
422F12724C	31-Aug-01 OAHU	Kailua Bay	N	Scoop Net	54.1	58.5	48.1	0	E
424D462100	31-Aug-01 OAHU	Kailua Bay	N	Scoop Net	45.8	49.5	28.6	0	D
413522604F	29-Dec-01 OAHU		N	KRF Captive	48.6	52.5	29.2	0	6
422D6D0500	29-Dec-01 OAHU		Y	KRF Captive	54.1	58.5	43.6	0	A
422F0B6F62	29-Dec-01 OAHU		Y	KRF Captive	50.9	54	36.5	0	B
422F12724C	29-Dec-01 OAHU		Y	KRF Captive	55.7	60	49.5	0	E
42363E5368	29-Dec-01 OAHU		Y	KRF Captive	52.7	57	42.8	0	C
424D410752	29-Jan-02 OAHU		Y	Stranded	51.2	55		2	BO
424D462100	29-Jan-02 OAHU		N	KRF Captive	47.9	51.5	33.6	0	D
422F0C4758	7-May-02 OAHU		Y	KRF Captive	65.1	68.5	67.7	2	WE
422D760548	21-May-02 OAHU		Y	KRF Captive	63.2	87.5	70.6	3	PBO
423D62416D	9-Sep-02 OAHU		Y	Scoop Net	48.2	51.5		1	
423F331D58	9-Sep-02 OAHU		N	Scoop Net	52.4	55		1	
4243312253	9-Sep-02 OAHU		Y	Scoop Net	55.5	59.5	53	0	3
424E7D3E79	9-Sep-02 OAHU		Y	Scoop Net	49.5	52	34.4	0	1
424F7A7E1B	9-Sep-02 OAHU		Y	Scoop Net	44.7	47	26	0	2
422F11212F	2-Oct-02 OAHU	Right of way	Y	KRF Captive	56.1	60.5	46.5	0	
422D744378	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	40	43	21	1	
423B307834	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	69.3	75	93	3	
423C13217D	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	43.6	45.5	26	0	
423D655D30	14-Oct-02 OAHU	Kailua Bay	N	Hand/Snorkel	58.2	62	52	1	
423D674056	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	75.9	80.5	110	3	
423F1F0221	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	42.6	45.5	28	0	
424E260A37	14-Oct-02 OAHU	Kailua Bay	Y	Hand/Snorkel	50.7	53.5	38	1	
500E0F1131	14-Oct-02 OAHU	Kailua Bay	N	Hand/Snorkel	51.8	55	47	1	
4243312253	18-Dec-02 OAHU		N	KRF Captive	57.2	61	55.1	0	3
424E7D3E79	18-Dec-02 OAHU		N	KRF Captive	51.4	54.5	39.9	0	1
424F7A7E1B	18-Dec-02 OAHU		N	KRF Captive	46.5	49	28.5	0	2
4135787535	23-Jan-03 OAHU	Kailua Bay	N	Scoop Net	49.2	52.5	36	1	
423A267528	23-Jan-03 OAHU	Canal	N	Hand/Snorkel	43	45.5	26	2	
423C13217D	23-Jan-03 OAHU	Canal	N	Hand/Snorkel	44.3	46.5	27	0	
433C6F1418	23-Jan-03 OAHU	Canal	Y	Hand/Snorkel	51.2	54	45	0	
433D576E26	23-Jan-03 OAHU	Kailua Bay	Y	Scoop Net	43.7	46	27	0	
43475C1405	23-Jan-03 OAHU	Kailua Bay	Y	Scoop Net	55.3	58	54	0	
434F494D19	23-Jan-03 OAHU	Kailua Bay	Y	Scoop Net	47.4	51	34	0	
4350347D52	23-Jan-03 OAHU	Canal	Y	Hand/Snorkel	63.6	67.5	83	2	
4135142D59	24-Jan-03 OAHU	Right-of-way Reef	Y	Scoop Net	62.8	69	75	0	
41352E0379	24-Jan-03 OAHU	Right-of-way Reef	Y	Scoop Net	56.7	61	55	0	
4135662756	24-Jan-03 OAHU	Right-of-way Reef	Y	Scoop Net	44.1	47.5	27	0	
413E4B3147	24-Jan-03 OAHU	Right-of-way Reef	Y	Scoop Net	50.6	53	40	0	
422D6D0500	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	57.1	61	60	0	

422F0B6F62	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	54.8	58	53	0
423F331D58	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	52.4	56	43	1
502E562F19	24-Jan-03 OAHU	Right-of-way Reef	N	Scoop Net	52.6	56.5	48	0
44127F6129	27-Mar-03 OAHU		Y	KRF Captive	46.8	50	27.8	1 OJ
442F1A2D05	14-Apr-03 OAHU		Y	KRF Captive	41.3	44	17.7	1 BB
442F225A20	17-Apr-03 OAHU		Y	KRF Captive	37.2	40	12.8	0 W4
Y676	5-Jun-03 OAHU	Right-of-way	N	KRF Captive				2
41360F6A76	11-Aug-03 OAHU	Right of way	Y	Scoop Net	57.7	62.5	62	0
413E412430	11-Aug-03 OAHU	Right of way	N	Scoop Net	52.1	56	58	0
422D4F7A3F	11-Aug-03 OAHU	Right of way	Y	Scoop Net	58.6	62.5	66	0
422D6D0500	11-Aug-03 OAHU	Right of way	N	Scoop Net	57.8	63	59	0
422F0B6F62	11-Aug-03 OAHU	Right of way	N	Scoop Net	55.4	60	53	0
423F331D58	11-Aug-03 OAHU	Right of way	N	Scoop Net	53	57	45	1
424D7F6907	11-Aug-03 OAHU	Right of way	N	Scoop Net	54.5	58.5	48	0
443A01721F	11-Aug-03 OAHU	Right of way	Y	Scoop Net	53.5	57	47	0
443A07695B	11-Aug-03 OAHU	Right of way	Y	Scoop Net	60.3	64	79	0
44523B620A	11-Aug-03 OAHU	Right of way	Y	Scoop Net	41.8	45	26	0
500C4B7C2E	11-Aug-03 OAHU	Right of way	Y	Scoop Net	58	62	60	0
500E103813	11-Aug-03 OAHU	Right of way	Y	Scoop Net	59.7	64.5	73	0
500F277741	11-Aug-03 OAHU	Right of way	N	Scoop Net	58.1	63.5		2
5019236956	11-Aug-03 OAHU	Right of way	Y	Scoop Net	49.1	53.5	37	0
413522604F	12-Aug-03 OAHU	Right of way	N	Scoop Net	53.7	58	44	0
423464480D	12-Aug-03 OAHU	Right of way	Y	Scoop Net	52.1	57	48	0
423D655D30	12-Aug-03 OAHU	Right of way	N	Scoop Net	58.9	53	56	1
424E260A37	12-Aug-03 OAHU	Right of way	N	Scoop Net	50.9	54.5	37	1
44397F147E	12-Aug-03 OAHU	Right of way	Y	Scoop Net	59.1	63.5	62	0
443A197133	12-Aug-03 OAHU	Right of way	Y	Scoop Net	42.4	46	23	0
44517E1050	12-Aug-03 OAHU	Right of way	Y	Scoop Net	52.5	56	50	0
4452320D78	12-Aug-03 OAHU	Right of way	Y	Scoop Net	40.5	43	22	0
4452712301	12-Aug-03 OAHU	Right of way	Y	Scoop Net	60.2	66.5	70	0
500F225263	12-Aug-03 OAHU	Right of way	N	Scoop Net	61.2	66.5	75	0
501910620F	12-Aug-03 OAHU	Right of way	N	Scoop Net	60.5	66	71	0
442F1A2D05	11-Oct-03 OAHU	Right-of-way	N	Sighted				BB
442C523102	14-Oct-03 OAHU	Right-of-way	Y	KRF Captive	39.6	42	15.4	0 7C
442C7C3E62	14-Oct-03 OAHU	Right-of-way	N	KRF Captive	54.8	58	29.8	0 MA
44127C691C	31-Oct-03 OAHU	Right-of-way	N	KRF Captive	48.6	53	30.7	0 JB
4414451A1C	31-Oct-03 OAHU	Right-of-way	N	KRF Captive	45	50	24.1	0 AN
4232514A71	4-Sep-04 OAHU	Right-of-way	N	Stranded	42.1	44.5	20	0 A7
42362B5F40	1-Oct-04 OAHU		Y	KRF Captive	51.4	54.5	36.2	0 4B
424E16532E	1-Oct-04 OAHU		N	KRF Captive	54.4	58.5	39.6	0 F2
4452314700	22-Oct-04 OAHU	Right-of-way	Y	KRF Captive	44.3	47	26.6	0 SA
4236101C71	7-Jan-05 OAHU	Right-of-way	N	KRF Captive	73.9	80		1
44537E7938	20-Jun-05 OAHU	Right-of-way	N	Stranded	74.8			2 KC
44520A7C73	23-Jun-05 OAHU		Y	Stranded	57	61	54.7	1 2F
44520A7C73	27-Jun-05 OAHU	Mouth of canal	N	Sighted				0 2F
41363E3761	28-Jun-05 OAHU	Right-of-way	N	Stranded	58.2	61.5	55.8	0 5D
4135790C40	7-Jul-05 OAHU	Right-of-way	Y	Stranded	61.8	67	75.9	0 EL
422F0B6F62	7-Jul-05 OAHU	Right-of-way	N	Stranded	58.7	62.5	53.8	0 LI
443978130C	14-Jul-05 OAHU	Right-of-way	Y	Stranded	43.5	47.5	23.8	0 OC
445148174D	14-Jul-05 OAHU	Right-of-way	Y	KRF Captive	42.4	46		0 4D
WB16	28-Jul-05 OAHU	Right-of-way	N	Stranded	47.3	50	35.8	0
442D73095E	5-Aug-05 OAHU	Right-of-way	Y	KRF Captive	45.8	48		0 5E
442FOA182D	7-Sep-05 OAHU	Right-of-way	N	Stranded	64	67	69.9	2
442C672A4E	12-Sep-05 OAHU	Right-of-way	Y	KRF Captive	64	68.5	66	1 4E
442D4F0522	3-Oct-05 OAHU	Right-of-way	Y	KRF Captive	57.6	61.5	48	0
442F70787D	3-Oct-05 OAHU	Right-of-way	Y	KRF Captive	42.7	45	19.3	0
423D62416D	28-Nov-05 OAHU	Mrs. Scherman's	N	Scoop Net	54.2	58.5	51.5	0
423E047A4F	28-Nov-05 OAHU	Mrs. Scherman's	N	Scoop Net	52	56	35.2	0
424D7F6907	28-Nov-05 OAHU		N	Hand/Snorkel	58.4	62	61.3	0
433D576E26	28-Nov-05 OAHU	Mrs. Scherman's	N	Scoop Net	47.4	51.5	32.4	0
445148174D	28-Nov-05 OAHU		N	Hand/Snorkel	42.7	45.5	21.1	0 4D
44523B620A	28-Nov-05 OAHU		N	Hand/Snorkel	47.7	51.5	35.3	0
4601787B66	28-Nov-05 OAHU	Mrs. Scherman's	Y	Scoop Net	42.6	46	24.7	0
46017A5344	28-Nov-05 OAHU	Canal	Y	Hand/Snorkel	48.7	52.5	30.3	0
4602036C38	28-Nov-05 OAHU		Y	Hand/Snorkel	44.9	48	28.4	0
46075D2C48	28-Nov-05 OAHU	Mrs. Scherman's	Y	Scoop Net	59.9	64.5	63.4	1
4413273D4C	31-Dec-05 OAHU	Right-of-way	Y	Stranded	55.5	59.3	50.6	0
442D6C0248	19-Jun-06 OAHU	Right-of-way	Y	KRF Captive	53.8		30.8	0 BI
442F6D1478	19-Jun-06 OAHU	Right-of-way	Y	Stranded	52.6	55.5	41.2	0 BI
442D6C0248	22-Jun-06 OAHU		N	Basking				0
445407216F	1-Aug-06 OAHU		Y	KRF Captive	46.5	49	25.5	0 6F
4455037F68	4-Dec-06 OAHU		Y	Stranded	53.7	58	50.2	0 7F
470977684D	19-Jun-07 OAHU	Stranded	Y	Stranded	48.4	52	27.8	0 3B

4135787535	14-Jan-08	OAHU	Mrs. Scherman	N	Net	52.1	56	40.5	1	
424E7D3E79	14-Jan-08	OAHU	Mrs. Scherman	N	Hand	57.5	61	57	0	
443A197133	14-Jan-08	OAHU	Mrs. Scherman	N	Net	50.6	54.5	38	1	
443A24072D	14-Jan-08	OAHU	Mrs. Scherman	Y	Hand	49.5	52.5	35	0	
4451520141	14-Jan-08	OAHU	Mrs. Scherman	Y	Hand	51.4	55	40	0	
4452052123	14-Jan-08	OAHU	Mrs. Scherman	Y	Net	53.6	59	46.5	0	
44521C0B7D	14-Jan-08	OAHU	Mrs. Scherman	Y	Net	53.8	57	51.5	0	
44546D2D75	14-Jan-08	OAHU	Mrs. Scherman	Y	Net	46.6	50	31.5	0	
4.61E+52	29-Apr-08	OAHU		Y	KRF Captive	58.7	63.5	57.1	0	E4
4607661036	29-Apr-08	OAHU		Y	KRF Captive	40.7	43.2	21.7	0	6D
422F0B6F62	11-Jun-08	OAHU	Right-of-way	N	Scoop Net	60.6	64	67.8	0	2
443A01721F	11-Jun-08	OAHU	Right-of-way	N	Scoop Net	57.2	61	56	0	7
443A07695B	11-Jun-08	OAHU	Right-of-way	N	Scoop Net	64.5	68	104.3	0	9
4452305B36	11-Jun-08	OAHU	Right-of-way	Y	Scoop Net	54.5	59	51.3	0	8
445262346D	11-Jun-08	OAHU	Right-of-way	Y	Scoop Net	43.5	47	26.8	0	10
4601794F15	11-Jun-08	OAHU	Right-of-way	Y	Scoop Net	54.7	59	55.3	0	5
460219745C	11-Jun-08	OAHU	Right-of-way	Y	Scoop Net	60.9	65	68.3	0	1
4602361966	11-Jun-08	OAHU	Right-of-way	Y	Scoop Net	46.9	50.5	34.3	0	4
4603686F19	11-Jun-08	OAHU	Right-of-way	Y	Scoop Net	52.1	55.5	45.3	0	6
500C4B7C2E	11-Jun-08	OAHU	Right-of-way	Y	Hand	61.2	66	68.8	0	3
423F331D58	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	61.4	66.5	70.7	0	14
424D7F6907	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	59.9	64.5	66.5	0	15
424E260A37	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	57.3	61.5	61	0	16
44397C3B45	28-Jul-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	65.7	72	84.5	0	17
443A197133	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	51.2	55.5	41.5	1	18
44522B6171	28-Jul-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	51.7	56	41	0	11
445262346D	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	43.7			0	10
44526B1B66	28-Jul-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	51.1	56.5	46	0	13
4603686F19	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	52.5			0	6
500C4B7C2E	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	61.6			0	3
5019236956	28-Jul-08	OAHU	Right-of-way, Perry's	N	Scoop Net	52	57	36.5	0	12
4454682012	31-Jul-08	OAHU	Right-of-way	N	KRF Captive	54.4	58.5	39.6	0	70
445235715F	18-Aug-08	OAHU	Right-of-way	Y	KRF Captive	50.8	54.5	36.5	0	A0
4454035D3B	18-Aug-08	OAHU	Right-of-way	N	Basker	72.6		110.6	2	3B
424E260A37	29-Oct-08	OAHU	Scherman's	Y	Hand/Snorkel	57.8	62	58	0	16
44397C3B45	29-Oct-08	OAHU	Scherman's	N	Scoop Net	65.9	71.5	84	0	17
4452052123	29-Oct-08	OAHU	Scherman's	N	Hand/Snorkel	55	59.5	52	0	20
44546D2D75	29-Oct-08	OAHU	Scherman's	Y	Hand/Snorkel	47.4	50.5	33.5	0	19
457C69201F	29-Oct-08	OAHU	Scherman's	Y	Scoop Net	62	68	62.5	0	22
4601705479	29-Oct-08	OAHU	Scherman's	Y	Scoop Net	51.1	54.5	38	0	24
4608021627	29-Oct-08	OAHU	Scherman's	Y	Scoop Net	49	53	36.5	0	25
460806153C	29-Oct-08	OAHU	Scherman's	Y	Hand/Snorkel	50.7	54	38.5	0	23
4608073D6D	29-Oct-08	OAHU	Scherman's	Y	Scoop Net	54.6	59.5	50	0	26
4608145B26	29-Oct-08	OAHU	Scherman's	Y	Scoop Net	50.2	54.5	41	0	21
407A3A1622	30-Oct-08	OAHU	Right-of-way, Perry's	N	Scoop Net	56.9	61.5	54	0	27
422F0B6F62	30-Oct-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	61.2	65.5	70.5	0	2
424D7F6907	30-Oct-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	60	64	64	0	15
443A01721F	30-Oct-08	OAHU	Right-of-way, Perry's	N	Scoop Net	58	61.5	59.5	0	7
443A07695B	30-Oct-08	OAHU	Right-of-way, Perry's	N	Scoop Net	65.1	68	103.5	0	9
443A197133	30-Oct-08	OAHU	Right-of-way, Perry's	N	Scoop Net	51.9	56.5	44	1	18
46016A0A4A	30-Oct-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	49.3	52.5	28.5	0	28
46016E3B18	30-Oct-08	OAHU	Right-of-way, Perry's	Y	Scoop Net	56.3	60.5	56	0	29
460219745C	30-Oct-08	OAHU	Right-of-way, Perry's	N	Scoop Net	61.5	66	69.5	0	1
5019236956	30-Oct-08	OAHU	Right-of-way, Perry's	N	Scoop Net	52.1	56.5	38.5	0	12
407A3A1622	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	57.3	62	54.1	0	27
422F0B6F62	18-Feb-09	OAHU	Right-of-way	N	Scoop Net	61.8	66.5	68.1	0	2
423F331D58	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	62.9	68	75.5	0	14
44397C3B45	18-Feb-09	OAHU	Right-of-way	N	Scoop Net	66	72	81.5	0	17
443A1C2318	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	49.2	53	34.6	0	31
452615281A	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	48.3	52	35.1	0	32
45275F037D	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	52.2	57	67.1	0	30
45285D1A44	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	54.2	58	40.5	0	33
46016A0A4A	18-Feb-09	OAHU	Right-of-way	N	Scoop Net	49.3	52.5	28	0	28
46016E3B18	18-Feb-09	OAHU	Right-of-way	N	Scoop Net	56.3	61	53	0	29
460806153C	18-Feb-09	OAHU	Right-of-way	Y	Scoop Net	50.6	53.5	37.1	0	23
407A3A1622	14-May-09	OAHU	Right-of-way, Perry's	N	Scoop Net	57	62	56.5	0	27
422F0B6F62	14-May-09	OAHU	Right-of-way, Perry's	N	Scoop Net	61.4	66	68.6	0	2
443A197133	14-May-09	OAHU	Right-of-way, Perry's	N	Scoop Net	52.3	56.5	35	1	18
443A1C2318	14-May-09	OAHU	Right-of-way, Perry's	N	Scoop Net	48.9		35.5	0	31
44522B6171	14-May-09	OAHU	Right-of-way, Perry's	N	Scoop Net	52.8	57	42	0	11
44523B620A	14-May-09	OAHU	Right-of-way, along ledge	N	Hand/Snorkel	53.4	57.5	47.5	0	34
4524247D3C	14-May-09	OAHU	Right-of-way, Perry's	Y	Hand/Snorkel	55.6	59	52	0	35
46016A0A4A	14-May-09	OAHU	Right-of-way, Perry's	N	Scoop Net	49.1	52	31.5	0	28

4601794F15	14-May-09 OAHU	Right-of-way, Perry's	N	Scoop Net	56	60	55	0	5
470D01034B	5-Jun-09 OAHU		Y	Stranded	39.3	42	18.6	0	565

AUG 11 2010

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form (13)



Turtle ID 45254E1E73 Data Recorded By SH

Capture Information			
Date	<u>8/4/10</u>	Island	<u>Oahu</u>
Study Site	<u>Kawainui</u>	Species	<input checked="" type="radio"/> CM <input type="radio"/> EI <input type="radio"/> LO
Hand	<input checked="" type="radio"/> Hand/ <input type="radio"/> Snorkel	Island Zone	
Location	<u>MWP</u>	Sex	M <input type="radio"/> F <input checked="" type="radio"/> U
Capture Method	<input type="radio"/> Scoop Net <input type="radio"/> Basking	Latitude	
<input type="radio"/> Stranding		Longitude	
		Recapture	Y <input type="radio"/> N <input checked="" type="radio"/>

Old Tags		New Tags	
PIT (LHF)		PIT (LHF)	<u>45254E1E73</u>
PIT (LFF)		PIT (RHF)	<u>4523010E6F</u>
Tag (LHF)		New MT	
Tag (LFF)		Other	
Old MT			

Dorsal Measurements		Ventral Measurements		Visual Examination		Tumors				
SCL (cm)	<u>63.0</u>	Lat1 (cm)	<u>26.7</u>	Tumors	Y <input checked="" type="radio"/> N	Oral Tumors Visible	Y <input checked="" type="radio"/> N	1	2	3
Notch (cm)	<u>62.9</u>	Lat2 (cm)	<u>25.9</u>	Tumor Score	\emptyset	Emaciation Code	\emptyset	R eye		
SCW (cm)	<u>50.3</u>	Lat3 (cm)	<u>20.4</u>	Dorsal Barnacles	\emptyset	Ventral Barnacles	\emptyset	L eye		
CCL (cm)	<u>69.0</u>	Plastron (cm)	<u>50.1</u>	Leeches	Y <input checked="" type="radio"/> N	Leech Eggs	Y <input checked="" type="radio"/> N	Mouth		
CCW (cm)	<u>62.5</u>	Tail (cm)	<u>14.5</u>	Flipper Amputated	Y <input checked="" type="radio"/> N	Carapace Damage	Y <input checked="" type="radio"/> N	Neck		
Head (cm)	<u>8.7</u>	Vent (cm)	<u>10.0</u>	Fish Hook	Y <input checked="" type="radio"/> N	Fishing Line	Y <input checked="" type="radio"/> N	RFF		
RFF (cm)	<u>10.2</u>	Weight (lbs)	<u>90.1</u>	Boat Impact	Y <input checked="" type="radio"/> N	Shark Attack	Y <input checked="" type="radio"/> N	LFF		
				PPS	<input checked="" type="radio"/> Y <input type="radio"/> N	Photos	Y <input checked="" type="radio"/> N	RHF		
								LHF		
								Tail		
								Seams		

Samples 103.5
13.4

Release Date Release Site

Comments: injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.
PCA on carapace
Robust!

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form

Version 2 - Aug 2010

SEP 27 2010



Turtle ID

45254E1E73

Data

Recorded By

WM

Capture Information

Date: 9/17/10 ✓ Island: Oahu ✓ Study Site: Kawaiinui Species: CM EI LO
 Hand: Hand/Sporkel Net: Island Zone: NE ✓ Location: Scherfman ^{RIGHT of way} Sex: M F U
 Capture Method: Scoop Net Basking Recapture: Y N
 Stranding Latitude: _____ Longitude: _____ New Tags: Y N

Old Tags

New Tags

PIT (LHF)	45254E1E73	PIT (RHF)	4523010E6F	PIT (LHF)	Tag ()
PIT (LFF)		PIT (RFF)		PIT (RHF)	Other
Tag (LHF)		Tag (RHF)		New MT	Other
Tag (LFF)		Tag (RFF)			
Old MT	<input type="checkbox"/> Renewed <input type="checkbox"/>	Other Tag			

Visual Examination

Tumors

Tumors	Y <input checked="" type="radio"/> N <input type="radio"/>	Oral Tumors Visible	Y <input checked="" type="radio"/> N <input type="radio"/>	1	2	3	4
Tumor Score	0	Emaciation Code	0	R eye			
Dorsal Barnacles	0	Ventral Barnacles	0	L eye			
Leeches	Y <input checked="" type="radio"/> N <input type="radio"/>	Leech Eggs	Y <input checked="" type="radio"/> N <input type="radio"/>	Mouth			
Flipper Amputated	Y <input checked="" type="radio"/> N <input type="radio"/>	Carapace Damage	Y <input checked="" type="radio"/> N <input type="radio"/>	Neck			
Fish Hook	Y <input checked="" type="radio"/> N <input type="radio"/>	Fishing Line	Y <input checked="" type="radio"/> N <input type="radio"/>	RFF			
Boat Impact	Y <input checked="" type="radio"/> N <input type="radio"/>	Shark Attack	Y <input checked="" type="radio"/> N <input type="radio"/>	LFF			
PPS	Y <input checked="" type="radio"/> N <input type="radio"/>	Photos	Y <input checked="" type="radio"/> N <input type="radio"/>	RHF			
				LHF			
				Tail			
				Seams			

Dorsal Measurements

Ventral Measurements

SCL (cm)	64.4	Lat1 (cm)	27.7
Notch (cm)	64.0	Lat2 (cm)	25.6
SCW (cm)	51.4	Lat3 (cm)	21.1
CCL (cm)	69.5	Plastron (cm)	51.5
CCW (cm)	62.5	Tail (cm)	13.5
Head (cm)		Vent (cm)	10
RFF (cm)		Weight (lbs)	95.5-9.4

Samples Y N

86.1

Comments: Injuries, Abnormalities, Tumor Descrip, Mouth Contents, etc.

Release Date

Release Site

NOAA Fisheries
Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form Version 2 - Aug 2010



Turtle ID 45254E1E73 Data Recorded By WM

Capture Information

Date: 9/17/10 Island: Oahu Study Site: Kawainui Species: CM EI LO

Hand: Hand/Snorkel Net Island Zone: NE Location: Schererman Sex: M F U

Capture Method: Scoop Net Basking Stranding Latitude: Longitude: Right of way Recapture: Y N

New Tags: Y N

Old Tags

PIT (LHF): 45254E1E73 PIT (RHF): 4523010E6F

PIT (LFF): PIT (RFF):

Tag (LHF): Tag (RHF):

Tag (LFF): Tag (RFF):

Old MT: Other Tag: Renewed

New Tags

PIT (LHF): Tag (): ()

PIT (RHF): Other ()

New MT: Other ()

Dorsal Measurements

SCL (cm): 64.4

Notch (cm): 64.0

SCW (cm): 51.4

CCL (cm): 69.5

CCW (cm): 62.5

Head (cm):

RFF (cm):

Ventral Measurements

Lat1 (cm): 27.7

Lat2 (cm): 25.6

Lat3 (cm): 21.1

Plastron (cm): 51.5

Tail (cm): 13.5

Vent (cm): 10

Weight (lbs): 95.5-9.4

Visual Examination

Tumors: Y N Oral Tumors: Y N

Tumor Score: Emaciation Code:

Dorsal Barnacles: Ventral Barnacles:

Leeches: Y N Leech Eggs: Y N

Flipper Amputated: Y N Carapace Damage: Y N

Fish Hook: Y N Fishing Line: Y N

Boat Impact: Y N Shark Attack: Y N

PPS: Y N Photos: Y N

		Tumors			
		1	2	3	4
R eye	Visible				
L eye	Visible				
Mouth	Visible				
Neck	Visible				
RFF	Visible				
LFF	Visible				
RHF	Visible				
LHF	Visible				
Tail	Visible				
Seams	Visible				

Samples: Y N

Release Date: Release Site:

Comments: *Hand snatched*
Caught Rowberry and Karen Arthur by Anne and Karen under G. Balazs oversight.

8

END

8

END

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Pacific Islands Fisheries Science Center
Marine Turtle Research Program
2570 Dole Street
Honolulu, Hawaii 96822-2396
(808) 983-5730

Sea Turtle Tagging Form

Version 2 - Aug 2010



Turtle ID

45254E1E73

Data

Recorded By

WM

Capture Information

Date

9/17/10

Island

Oahu

Study Site

Kawainui

Species CM EI LO

Sex M F U

Hand Hand/Snorkel Net

Island Zone

NE

Location

Scherrman

Recapture Y N

Capture Method

Scoop Net Basking

Latitude

Longitude

New Tags Y N

Stranding

Old Tags

PIT (LHF) 45254E1E73

PIT (RHF) 4523810E6F

PIT (LFF)

PIT (RFF)

Tag (LHF)

Tag (RHF)

Tag (LFF)

Tag (RFF)

Old MT

Other Tag

Renewed

New Tags

PIT (LHF) Tag ()

PIT (RHF)

Other

New MT

Other

Dorsal Measurements

Ventral Measurements

SCL (cm)

64.4

Lat1 (cm)

27.7

Notch (cm)

64.0

Lat2 (cm)

25.6

SCW (cm)

51.4

Lat3 (cm)

21.1

CCL (cm)

69.5

Plastron (cm)

51.5

CCW (cm)

62.5

Tail (cm)

13.5

Head (cm)

Vent (cm)

10

RFF (cm)

Weight (lbs)

95.5-9.4

Samples Y N

Visual Examination

Tumors

Tumors Y N

Oral Tumors Y N

Visible

Tumor Score

Emaciation

Dorsal Barnacles

Ventral Barnacles

Leeches

Leech Eggs

Flipper Amputated

Carapace Damage

Fish Hook

Fishing Line

Boat Impact

Shark Attack

PPS

Photos

	1	2	3	4
R eye				
L eye				
Mouth				
Neck				
RFF				
LFF				
RHF				
LHF				
Tail				
Seems				

Comments on Abnormalities, Tumor Descrip, Mouth Contents, etc.

Handwritten notes:
Captured by Anne Rowberry and Karen Arthur under G. Balazs oversight.

Release Date

Release Site

Historical Information for Turtle Tag 45254E1E73

George H. Balazs
 Marine Turtle Research Program
 NOAA Fisheries Service
 Pacific Islands Fisheries Science Center
 2570 Dole Street
 Honolulu, Hawaii 98622-2396
 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
45254E1E73	8/4/2010	PIT	LHF
4523010E6F	8/4/2010	PIT	RHF

Date	Type of Encounter	Location:	Tumor Rank:	Nesting Act:	Since Last Encounter			Overall				
					Interval	Year	Growth-Rates	Interval	Year	Growth-Rates		
					Month	Year	cm/mo	cm/yr	Month	Year	cm/mo	cm/yr
8/4/2010	Near Shore	Oahu, Kawaiinui Canal	0	-	0.1	0.1	16.8	16.8	0.1	0.1	16.8	16.8
9/17/2010	Near Shore	Oahu, Kawaiinui Canal	0	-	0.1	0.1	16.8	16.8	0.1	0.1	16.8	16.8

SCL
63.0

SFTM
Somed wings Ad
not Rigged
please see

Historical Information for Turtle Tag 45254E1E73

George H. Balazs
 Marine Turtle Research Program
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 Pacific Islands Fisheries Science Center
 2570 Dole Street
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 gbalazs@honlab.nmfs.hawaii.edu

Tag Information:

Tag Number	Date	Tag Type	Tag Position
45254E1E73	8/4/2010	PIT	LHF
4523010E6F	8/4/2010	PIT	RHF

Date	Encounter	Type of	Location:	TumorRank:	NestingAct:	Weight	Since Last Encounter			Overall				
							Interval	Year	Growth-Rates	Interval	Year	Growth-Rates		
							Month	Year	lb/mo	lb/yr	Month	Year	lb/mo	lb/yr
8/4/2010	Near Shore		Oahu, Kawaiinui, Right-of-way	0	-	90.1	---	---	---	---	---	---	---	---
9/17/2010	Near Shore		Oahu, Kawaiinui, Right-of-way	0	-	86.1	0.1	0.1	---	---	0.1	0.1	---	---

Cost 4 lbs

TURTLEID	DATE	SITE	SCL	CCL	WEIGHT	TUMRNK	METHOD
41350B3711	3/17/2000	KAWAINUI	47.8	51.0	31.0	1	Hand/Snorkel
41350F714A	3/17/2000	KAWAINUI	55.7	59.5	48.0	1	Hand/Snorkel
4135103343	3/17/2000	KAWAINUI	59.9	65.0	68.0	1	Net
413519225D	3/17/2000	KAWAINUI	47.5	51.0	32.0	0	Net
413522604F	3/17/2000	KAWAINUI	47.0	50.5	24.0	0	Hand/Snorkel
41356C0551	3/17/2000	KAWAINUI	44.0	47.5	26.0	0	Net
4135787535	3/17/2000	KAWAINUI	47.0	50.5	26.0	2	Scoop Net
41357A6136	3/17/2000	KAWAINUI	41.4	44.0	21.0	0	Hand/Snorkel
4136001511	3/17/2000	KAWAINUI	49.2	52.5	40.0	0	Scoop Net
4136081368	3/17/2000	KAWAINUI	60.9	66.0	77.0	0	Net
413614392E	3/17/2000	KAWAINUI	55.2	58.5	48.0	0	Scoop Net
410379430C	4/14/2000	KAWAINUI	56.1	60.0	55.0	1	Scoop Net
410410664C	4/14/2000	KAWAINUI	56.5	60.0	48.0	2	Hand/Snorkel
41357A7148	4/14/2000	KAWAINUI	44.7	46.5	26.0	1	Hand/Snorkel
4136075868	4/14/2000	KAWAINUI	57.0	60.5	52.0	2	Hand/Snorkel
4136205923	4/14/2000	KAWAINUI	63.2	67.0	73.0	3	Hand/Snorkel
413E412430	4/14/2000	KAWAINUI	0.0	0.0	40.0	0	Scoop Net
5019493246	4/14/2000	KAWAINUI	57.3	61.0	46.0	3	Scoop Net
500E0B076D	6/7/2000	KAWAINUI	48.4	52.5	38.0	1	Scoop Net
500E0E3708	6/7/2000	KAWAINUI	56.5	60.0	49.0	1	Scoop Net
500E0F1131	6/7/2000	KAWAINUI	48.5	52.0	39.0	1	Hand/Snorkel
500E393A73	6/7/2000	KAWAINUI	49.3	52.5	32.0	3	Scoop Net
500F173660	6/7/2000	KAWAINUI	56.2	60.0	55.0	0	Scoop Net
500F201C15	6/7/2000	KAWAINUI	47.0	49.5	30.0	0	Hand/Snorkel
500F225263	6/7/2000	KAWAINUI	56.8	61.5	58.0	0	Scoop Net
500F277741	6/7/2000	KAWAINUI	54.0	58.0	48.0	0	Scoop Net
501910620F	6/7/2000	KAWAINUI	55.3	59.0	42.0	0	Scoop Net
502E222270	6/7/2000	KAWAINUI	53.0	57.0	51.0	1	Scoop Net
502E562F19	6/7/2000	KAWAINUI	48.2	52.0	39.0	0	Hand/Snorkel
502E78036D	6/7/2000	KAWAINUI	73.1	78.5		0	Basking
423B2B445D	3/27/2001	KAWAINUI	61.2	65.5	60.0	0	Hand/Snorkel
4243257D7F	3/27/2001	KAWAINUI	56.3	58.0	47.0	2	Hand/Snorkel
424D703E25	3/27/2001	KAWAINUI	45.3	47.0	23.0	2	Hand/Snorkel
424D7F6907	3/27/2001	KAWAINUI	49.0	52.0	34.0	1	Hand/Snorkel
424F337D2E	3/27/2001	KAWAINUI	50.8	55.0	42.0	0	Hand/Snorkel
4250001B11	3/27/2001	KAWAINUI	41.9	44.0	23.0	1	Hand/Snorkel
424E682401	3/29/2001	KAWAINUI	46.0	49.5	28.2	2	Hand/Snorkel
423D711175	4/10/2001	KAWAINUI	59.0	62.5	63.0	0	Hand/Snorkel
423E060D21	4/10/2001	KAWAINUI	53.9	57.5	45.0	1	Hand/Snorkel
423E08313C	4/10/2001	KAWAINUI	44.3	47.0	25.0	0	Hand/Snorkel
424B3B3F68	4/10/2001	KAWAINUI	62.9	67.5	64.0	3	Basking
423D6D0B4E	4/23/2001	KAWAINUI	66.1	71.0	75.0	1	Hand/Snorkel
423F331D58	4/23/2001	KAWAINUI	51.4	54.5	39.0	1	Hand/Snorkel
424E267041	4/23/2001	KAWAINUI	39.9	41.6	19.0	0	Hand/Snorkel
424F205574	4/23/2001	KAWAINUI	58.5	62.5	61.0	0	Hand/Snorkel
4250184D03	4/23/2001	KAWAINUI	51.5	55.4	32.0	3	Hand/Snorkel
41356A7124	5/14/2001	KAWAINUI	62.0	67.0	75.0	0	Hand/Snorkel
500E1C1623	5/14/2001	KAWAINUI	65.4	70.5	70.0	3	Hand/Snorkel
500E3E541E	5/14/2001	KAWAINUI	72.2	77.0	96.0	3	Hand/Snorkel
423A1F367E	6/20/2001	KAWAINUI	56.8	62.0	60.0	0	Hand/Snorkel
424326331D	6/20/2001	KAWAINUI	36.8	39.0	15.0	0	Hand/Snorkel

TURTLEID	DATE	SITE	SCL	CCL	WEIGHT	TUMRNK	METHOD
424E44567D	6/20/2001	KAWAINUI	44.9	48.0	20.0	2	Hand/Snorkel
423A267528	8/16/2001	KAWAINUI	41.8	45.0	27.0	1	Scoop Net
423D655D30	8/16/2001	KAWAINUI	56.3	60.0	45.0	1	Scoop Net
423E047A4F	8/16/2001	KAWAINUI	48.4	52.0	37.0	0	Scoop Net
423E102674	8/16/2001	KAWAINUI	63.4	69.0	84.0	1	Scoop Net
423F22193A	8/16/2001	KAWAINUI	47.5	50.0	30.0	0	Scoop Net
423F260E45	8/16/2001	KAWAINUI	58.5	64.0	67.0	1	Scoop Net
423F4A262D	8/16/2001	KAWAINUI	38.9	42.5	18.0	0	Scoop Net
424D462100	8/16/2001	KAWAINUI	45.9	49.0	28.0	0	Scoop Net
422D6D0500	8/29/2001	KAWAINUI	53.7	58.0	49.0	0	Scoop Net
422F0B6F62	8/29/2001	KAWAINUI	49.6	53.0	38.0	0	Scoop Net
42363E5368	8/29/2001	KAWAINUI	50.9	55.0	41.0	0	Scoop Net
422F12724C	8/31/2001	KAWAINUI	54.1	58.5	48.1	0	Scoop Net
423D62416D	9/9/2002	KAWAINUI	48.2	51.5		1	Scoop Net
4243312253	9/9/2002	KAWAINUI	55.5	59.5	53.0	0	Scoop Net
424E7D3E79	9/9/2002	KAWAINUI	49.5	52.0	34.4	0	Scoop Net
424F7A7E1B	9/9/2002	KAWAINUI	44.7	47.0	26.0	0	Scoop Net
422F11212F	10/2/2002	KAWAINUI	56.1	60.5	46.5	0	KRF Captive
422D744378	10/14/2002	KAWAINUI	40.0	43.0	21.0	1	Hand/Snorkel
423B307834	10/14/2002	KAWAINUI	69.3	75.0	93.0	3	Hand/Snorkel
423C13217D	10/14/2002	KAWAINUI	43.6	45.5	26.0	0	Hand/Snorkel
423D674056	10/14/2002	KAWAINUI	75.9	80.5	110.0	3	Hand/Snorkel
423F1F0221	10/14/2002	KAWAINUI	42.6	45.5	28.0	0	Hand/Snorkel
424E260A37	10/14/2002	KAWAINUI	50.7	53.5	38.0	1	Hand/Snorkel
433C6F1418	1/23/2003	KAWAINUI	51.2	54.0	45.0	0	Hand/Snorkel
433D576E26	1/23/2003	KAWAINUI	43.7	46.0	27.0	0	Scoop Net
43475C1405	1/23/2003	KAWAINUI	55.3	58.0	54.0	0	Scoop Net
434F494D19	1/23/2003	KAWAINUI	47.4	51.0	34.0	0	Scoop Net
4350347D52	1/23/2003	KAWAINUI	63.6	67.5	83.0	2	Hand/Snorkel
4135142D59	1/24/2003	KAWAINUI	62.8	69.0	75.0	0	Scoop Net
41352E0379	1/24/2003	KAWAINUI	56.7	61.0	55.0	0	Scoop Net
4135662756	1/24/2003	KAWAINUI	44.1	47.5	27.0	0	Scoop Net
413E4B3147	1/24/2003	KAWAINUI	50.6	53.0	40.0	0	Scoop Net
41360F6A76	8/11/2003	KAWAINUI	57.7	62.5	62.0	0	Scoop Net
422D4F7A3F	8/11/2003	KAWAINUI	58.6	62.5	66.0	0	Scoop Net
443A01721F	8/11/2003	KAWAINUI	53.5	57.0	47.0	0	Scoop Net
443A07695B	8/11/2003	KAWAINUI	60.3	64.0	79.0	0	Scoop Net
44523B620A	8/11/2003	KAWAINUI	41.8	45.0	26.0	0	Scoop Net
500C4B7C2E	8/11/2003	KAWAINUI	58.0	62.0	60.0	0	Scoop Net
500E103813	8/11/2003	KAWAINUI	59.7	64.5	73.0	0	Scoop Net
5019236956	8/11/2003	KAWAINUI	49.1	53.5	37.0	0	Scoop Net
423464480D	8/12/2003	KAWAINUI	52.1	57.0	48.0	0	Scoop Net
44397F147E	8/12/2003	KAWAINUI	59.1	63.5	62.0	0	Scoop Net
443A197133	8/12/2003	KAWAINUI	42.4	46.0	23.0	0	Scoop Net
44517E1050	8/12/2003	KAWAINUI	52.5	56.0	50.0	0	Scoop Net
4452320D78	8/12/2003	KAWAINUI	40.5	43.0	22.0	0	Scoop Net
4452712301	8/12/2003	KAWAINUI	60.2	66.5	70.0	0	Scoop Net
4601787B66	11/28/2005	KAWAINUI	42.6	46.0	24.7	0	Scoop Net
46017A5344	11/28/2005	KAWAINUI	48.7	52.5	30.3	0	Hand/Snorkel
4602036C38	11/28/2005	KAWAINUI	44.9	48.0	28.4	0	Hand/Snorkel
46075D2C48	11/28/2005	KAWAINUI	59.9	64.5	63.4	1	Scoop Net

TURTLEID	DATE	SITE	SCL	CCL	WEIGHT	TUMRNK	METHOD
443A24072D	1/14/2008	KAWAINUI	49.5	52.5	35.0	0	Hand
4451520141	1/14/2008	KAWAINUI	51.4	55.0	40.0	0	Hand
4452052123	1/14/2008	KAWAINUI	53.6	59.0	46.5	0	Net
44521C0B7D	1/14/2008	KAWAINUI	53.8	57.0	51.5	0	Net
44546D2D75	1/14/2008	KAWAINUI	46.6	50.0	31.5	0	Net
4452305B36	6/11/2008	KAWAINUI	54.5	59.0	51.3	0	Scoop Net
445262346D	6/11/2008	KAWAINUI	43.5	47.0	26.8	0	Scoop Net
4601794F15	6/11/2008	KAWAINUI	54.7	59.0	55.3	0	Scoop Net
460219745C	6/11/2008	KAWAINUI	60.9	65.0	68.3	0	Scoop Net
4602361966	6/11/2008	KAWAINUI	46.9	50.5	34.3	0	Scoop Net
4603686F19	6/11/2008	KAWAINUI	52.1	55.5	45.3	0	Scoop Net
44397C3B45	7/28/2008	KAWAINUI	65.7	72.0	84.5	0	Scoop Net
44522B6171	7/28/2008	KAWAINUI	51.7	56.0	41.0	0	Scoop Net
44526B1B66	7/28/2008	KAWAINUI	51.1	56.5	46.0	0	Scoop Net
457C69201F	10/29/2008	KAWAINUI	62.0	68.0	62.5	0	Scoop Net
4601705479	10/29/2008	KAWAINUI	51.1	54.5	38.0	0	Scoop Net
4608021627	10/29/2008	KAWAINUI	49.0	53.0	36.5	0	Scoop Net
460806153C	10/29/2008	KAWAINUI	50.7	54.0	38.5	0	Hand/Snorkel
4608073D6D	10/29/2008	KAWAINUI	54.6	59.5	50.0	0	Scoop Net
4608145B26	10/29/2008	KAWAINUI	50.2	54.5	41.0	0	Scoop Net
46016A0A4A	10/30/2008	KAWAINUI	49.3	52.5	28.5	0	Scoop Net
46016E3B18	10/30/2008	KAWAINUI	56.3	60.5	56.0	0	Scoop Net
443A1C2318	2/18/2009	KAWAINUI	49.2	53.0	34.6	0	Scoop Net
452615281A	2/18/2009	KAWAINUI	48.3	52.0	35.1	0	Scoop Net
45275F037D	2/18/2009	KAWAINUI	52.2	57.0	67.1	0	Scoop Net
45285D1A44	2/18/2009	KAWAINUI	54.2	58.0	40.5	0	Scoop Net
4524247D3C	5/14/2009	KAWAINUI	55.6	59.0	52.0	0	Hand/Snorkel

Sandy Barzell Kapoho
640-2173

3 trapped egg turtles in mangrove pool
on her property, unable to get out

Tagging Summary from Kawainui Canal during 1/1/1970 - 12/31/2010

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
41350B3711, 41362A6F40	03/17/2000	47.8	51.0	31.0	Hand/Snorkel
41350F714A, 41362A6D74	03/17/2000	55.7	59.5	48.0	Hand/Snorkel
4135103343, 4136381C58	03/17/2000	59.9	65.0	68.0	Net
413519225D, 413E0C3654	03/17/2000	47.5	51.0	32.0	Net
413522604F, 413706517D	03/17/2000	47.0	50.5	24.0	Hand/Snorkel
41356C0551, 4136267723	03/17/2000	44.0	47.5	26.0	Net
4135787535, 4136282B44	03/17/2000	47.0	50.5	26.0	Scoop Net
41357A6136, 413629562B	03/17/2000	41.4	44.0	21.0	Hand/Snorkel
4136001511, 413617E87E	03/17/2000	49.2	52.5	40.0	Scoop Net
4136081368, 41360D4143	03/17/2000	60.9	66.0	77.0	Net
413614392E, 413D771E3C	03/17/2000	55.2	58.5	48.0	Scoop Net
410379430C, 500F21393B	04/14/2000	56.1	60.0	55.0	Scoop Net
410410664C, 502E631929	04/14/2000	56.5	60.0	48.0	Hand/Snorkel
41357A7148, 41362B485A	04/14/2000	44.7	46.5	26.0	Hand/Snorkel
407A316218, 4136075868	04/14/2000	57.0	60.5	52.0	Hand/Snorkel
407742365E, 4136205923	04/14/2000	63.2	67.0	73.0	Hand/Snorkel
407D080A53, 413E412430	04/14/2000	---	---	40.0	Scoop Net
407D234B3A, 5019493246	04/14/2000	57.3	61.0	46.0	Scoop Net
500E0B076D, 500F1B706C	06/07/2000	48.4	52.5	38.0	Scoop Net
500E0E3708, 5019491548	06/07/2000	56.5	60.0	49.0	Scoop Net
500E0F1131, 500F223E45	06/07/2000	48.5	52.0	39.0	Hand/Snorkel
500E393A73, 502E4F0369	06/07/2000	49.3	52.5	32.0	Scoop Net
500F173660, 5019470429	06/07/2000	56.2	60.0	55.0	Scoop Net
500F201C15, 502E55272C	06/07/2000	47.0	49.5	30.0	Hand/Snorkel
500F225263, 500F2E7415	06/07/2000	56.8	61.5	58.0	Scoop Net
500F277741, 5019440F0B	06/07/2000	54.0	58.0	48.0	Scoop Net
501910620F, 502E4E082C	06/07/2000	55.3	59.0	42.0	Scoop Net
502E222270, 502F052B19	06/07/2000	53.0	57.0	51.0	Scoop Net
502E562F19, 502E7B4549	06/07/2000	48.2	52.0	39.0	Hand/Snorkel

Tagging Summary from Kawainui Canal during 1/1/1970 - 12/31/2010

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
502D78036D, 502E78036D, 502E7B712E	06/07/2000	73.1	78.5	---	Basking
423B2B445D, 423F596251	03/27/2001	61.2	65.5	60.0	Hand/Snorkel
4243257D7F, 424D736500	03/27/2001	56.3	58.0	47.0	Hand/Snorkel
424D703E25, 42505E200C	03/27/2001	45.3	47.0	23.0	Hand/Snorkel
424D7F6907, 424F236C1F, SON1060763 (10/30/2008)	03/27/2001	49.0	52.0	34.0	Hand/Snorkel
424F337D2E, 42500C5478	03/27/2001	50.8	55.0	42.0	Hand/Snorkel
4250001B11, 425021011E	03/27/2001	41.9	44.0	23.0	Hand/Snorkel
424E682401, 424F0A5470	03/29/2001	46.0	49.5	28.2	Hand/Snorkel
423D711175, 423F4E1A00	04/10/2001	59.0	62.5	63.0	Hand/Snorkel
423E060D21, 424F0C683A	04/10/2001	53.9	57.5	45.0	Hand/Snorkel
423E08313C, 423E102E32	04/10/2001	44.3	47.0	25.0	Hand/Snorkel
424B3B3F68, 425036786C	04/10/2001	62.9	67.5	64.0	Basking
423D6D0B4E, 42500B1E0C	04/23/2001	66.1	71.0	75.0	Hand/Snorkel
423F331D58, 424E192B44, SON1066541 (2/18/2009)	04/23/2001	51.4	54.5	39.0	Hand/Snorkel
424E267041, 424F244E57	04/23/2001	39.9	41.6	19.0	Hand/Snorkel
424F205574, 424F394711	04/23/2001	58.5	62.5	61.0	Hand/Snorkel
4250184D03, 42502F2967	04/23/2001	51.5	55.4	32.0	Hand/Snorkel
41356A7124, 4250193B3D	05/14/2001	62.0	67.0	75.0	Hand/Snorkel
500E1C1623, 500E20056A	05/14/2001	65.4	70.5	70.0	Hand/Snorkel
500E3E541E, 500F30093E	05/14/2001	72.2	77.0	96.0	Hand/Snorkel
423A1F367E, 424F2D2B57	06/20/2001	56.8	62.0	60.0	Hand/Snorkel
424326331D, 4250286842	06/20/2001	36.8	39.0	15.0	Hand/Snorkel
424E44567D	06/20/2001	44.9	48.0	20.0	Hand/Snorkel
423A267528, 424F7C6E0E	08/16/2001	41.8	45.0	27.0	Scoop Net
423D655D30, 424E58630E, 442C4E5D13 (9/5/2006), 442F64643F (9/5/2006)	08/16/2001	56.3	60.0	45.0	Scoop Net
423E047A4F, 42501D2E76	08/16/2001	48.4	52.0	37.0	Scoop Net
423E102674, 42502E6E07	08/16/2001	63.4	69.0	84.0	Scoop Net

Tagging Summary from Kawainui Canal during 1/1/1970 - 12/31/2010

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
423F22193A, 4250241441	08/16/2001	47.5	50.0	30.0	Scoop Net
423F260E45, 424F350878	08/16/2001	58.5	64.0	67.0	Scoop Net
423F4A262D, 4250124B1D	08/16/2001	38.9	42.5	18.0	Scoop Net
424D462100, 424F7D6D0D	08/16/2001	45.9	49.0	28.0	Scoop Net
422D6D0500 (12/29/2001), 4236065D2C (12/29/2001)	08/29/2001	53.7	58.0	49.0	Scoop Net
422F0B6F62 (12/29/2001), 42346E2D7E (12/29/2001), SON1060451 (10/30/2008)	08/29/2001	49.6	53.0	38.0	Scoop Net
42363E5368 (12/29/2001), 4236540329 (12/29/2001)	08/29/2001	50.9	55.0	41.0	Scoop Net
422F12724C (12/29/2001), 422F182455 (12/29/2001)	08/31/2001	54.1	58.5	48.1	Scoop Net
423D62416D, 424E551052	09/09/2002	48.2	51.5	---	Scoop Net
4243312253, 425032434C	09/09/2002	55.5	59.5	53.0	Scoop Net
424E7D3E79, 4250014053	09/09/2002	49.5	52.0	34.4	Scoop Net
424F7A7E1B, 424F7D5536	09/09/2002	44.7	47.0	26.0	Scoop Net
422F11212F, 4233500A78	10/02/2002	56.1	60.5	46.5	KRF Captive
422D744378, 424F282309	10/14/2002	40.0	43.0	21.0	Hand/Snorkel
423B307834, 4250253456	10/14/2002	69.3	75.0	93.0	Hand/Snorkel
423C13217D, 424D1E1F4F	10/14/2002	43.6	45.5	26.0	Hand/Snorkel
423D674056 (12/14/2002), 424F794467 (12/14/2002)	10/14/2002	75.9	80.5	110.0	Hand/Snorkel
423F1F0221, 4250012F62	10/14/2002	42.6	45.5	28.0	Hand/Snorkel
424E260A37, 424E633275, SON1060449 (10/29/2008)	10/14/2002	50.7	53.5	38.0	Hand/Snorkel
433C6F1418, 435977636D	01/23/2003	51.2	54.0	45.0	Hand/Snorkel
433D576E26, 43521B5C3A	01/23/2003	43.7	46.0	27.0	Scoop Net
43475C1405, 4349341712	01/23/2003	55.3	58.0	54.0	Scoop Net
434F494D19, 434F666563	01/23/2003	47.4	51.0	34.0	Scoop Net
4350347D52, 43674B0001	01/23/2003	63.6	67.5	83.0	Hand/Snorkel
4135142D59, 41363A0633	01/24/2003	62.8	69.0	75.0	Scoop Net
41352E0379, 413E2A1F4E	01/24/2003	56.7	61.0	55.0	Scoop Net

Tagging Summary from Kawainui Canal during 1/1/1970 - 12/31/2010

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
4135662756, 41371A1224	01/24/2003	44.1	47.5	27.0	Scoop Net
413E4B3147, 500F245E54	01/24/2003	50.6	53.0	40.0	Scoop Net
41360F6A76, 501953310D	08/11/2003	57.7	62.5	62.0	Scoop Net
422D4F7A3F, 422F021763	08/11/2003	58.6	62.5	66.0	Scoop Net
443A01721F, 445235291E	08/11/2003	53.5	57.0	47.0	Scoop Net
443A07695B, 44523C0615	08/11/2003	60.3	64.0	79.0	Scoop Net
44523B620A, 445258695E	08/11/2003	41.8	45.0	26.0	Scoop Net
460209356A (6/11/2008), 500C4B7C2E, 500E054940	08/11/2003	58.0	62.0	60.0	Scoop Net
500E103813, 502E4B6705	08/11/2003	59.7	64.5	73.0	Scoop Net
5019236956, 5019570B0E	08/11/2003	49.1	53.5	37.0	Scoop Net
423464480D, 4237626C6C	08/12/2003	52.1	57.0	48.0	Scoop Net
44397F147E, 445207564D	08/12/2003	59.1	63.5	62.0	Scoop Net
443A197133, 4452745129	08/12/2003	42.4	46.0	23.0	Scoop Net
44517E1050, 445238604D	08/12/2003	52.5	56.0	50.0	Scoop Net
4452320D78, 44526A2444	08/12/2003	40.5	43.0	22.0	Scoop Net
4452712301, 44545B4905	08/12/2003	60.2	66.5	70.0	Scoop Net
4601787B66, 46076C4E69	11/28/2005	42.6	46.0	24.7	Scoop Net
46017A5344, 4607574B0F	11/28/2005	48.7	52.5	30.3	Hand/Snorkel
4602036C38, 4608091437	11/28/2005	44.9	48.0	28.4	Hand/Snorkel
46075D2C48, 4607631F65	11/28/2005	59.9	64.5	63.4	Scoop Net
443A24072D, 44546A6622	01/14/2008	49.5	52.5	35.0	Hand
4451520141, 4452047B42	01/14/2008	51.4	55.0	40.0	Hand
44397C514D, 4452052123, SON1059582 (10/29/2008)	01/14/2008	53.6	59.0	46.5	Net
443A2B5536, 44521C0B7D	01/14/2008	53.8	57.0	51.5	Net
4439725052, 44546D2D75, SON1059581 (10/29/2008)	01/14/2008	46.6	50.0	31.5	Net
443A0D3B58, 4452305B36	06/11/2008	54.5	59.0	51.3	Scoop Net
445262346D, 4452635A6B	06/11/2008	43.5	47.0	26.8	Scoop Net
4454056D2D, 4601794F15	06/11/2008	54.7	59.0	55.3	Scoop Net

Tagging Summary from Kawainui Canal during 1/1/1970 - 12/31/2010

Tag Numbers	Date	Carapace Length (cm)		Weight (lbs)	Capture Method
		Straight	Curved		
460214212D, 460219745C	06/11/2008	60.9	65.0	68.3	Scoop Net
460201524A, 4602361966	06/11/2008	46.9	50.5	34.3	Scoop Net
4603686F19, 4608091E45	06/11/2008	52.1	55.5	45.3	Scoop Net
44397C3B45, 443A256B1F, SON1060450 (10/29/2008)	07/28/2008	65.7	72.0	84.5	Scoop Net
44522B6171, 44525C5169	07/28/2008	51.7	56.0	41.0	Scoop Net
4452396560, 44526B1B66	07/28/2008	51.1	56.5	46.0	Scoop Net
443A1F5F33, 44522F5439	07/31/2008	52.5	56.5	39.3	Stranded
457C69201F, 46017E5C03	10/29/2008	62.0	68.0	62.5	Scoop Net
4601705479, 46024D7164	10/29/2008	51.1	54.5	38.0	Scoop Net
4608021627, 46080C5929	10/29/2008	49.0	53.0	36.5	Scoop Net
4602002640, 460806153C, SON1066533 (2/18/2009)	10/29/2008	50.7	54.0	38.5	Hand/Snorkel
460173182F, 4608073D6D	10/29/2008	54.6	59.5	50.0	Scoop Net
4601643E11, 4608145B26	10/29/2008	50.2	54.5	41.0	Scoop Net
46016A0A4A, 4602193F74	10/30/2008	49.3	52.5	28.5	Scoop Net
4601684860, 46016E3B18	10/30/2008	56.3	60.5	56.0	Scoop Net
443A15535F, 443A1C2318, SON1066535	02/18/2009	49.2	53.0	34.6	Scoop Net
452575711D, 452615281A, SON1066534	02/18/2009	48.3	52.0	35.1	Scoop Net
45275F037D, 4529400D70, SON1066543	02/18/2009	52.2	57.0	67.1	Scoop Net
45242A3628, 45285D1A44	02/18/2009	54.2	58.0	40.5	Scoop Net
4524247D3C, 4A41464E15	05/14/2009	55.6	59.0	52.0	Hand/Snorkel
4A2E09105C, 4A2E7F5931	08/07/2009	57.3	61.5	59.5	Scoop Net
470C26621E, 4A355B323E	08/07/2009	48.7	52.0	35.0	Hand/Snorkel

NIST Sampling Protocol for Pacific Green Sea Turtles Captured in the Ocean March 2011

Overview: Turtles will be captured by hand from Kailua Bay, Oahu, Hawaii in collaboration with the Marine Turtle Research Program of the Pacific Islands Fisheries Science Center. Approximately 20 turtles will be the targeted sample size for this sampling event. Blood and scute sampling should occur on the same turtles. As much capture and biological data should be recorded as possible, including capture method, date/time, water temperature, standard morphometrics to include straight carapace length notch to notch and weight, degree and severity of fibropapillomatosis, trauma, and emaciation, tag identification numbers, capture history, and other samples collected.

Because the samples collected for the NIST specimen bank are primarily intended for contaminants and health research, inadvertent contamination during sampling and sample handling is a major concern. The four major sources of contamination are from 1) airborne chemicals (e.g., cigarette smoke, dust, vehicle exhaust), 2) chemicals in or on surfaces that touch the samples or touch the supplies that will later touch the samples (e.g., sunscreen, insect repellent, plastic gloves, rain, sand carried by wind), 3) carryover from one sample to another, and 4) supplies that directly touch the samples. The fourth source is inevitable but is minimized by pre-cleaning certain supplies at NIST and by preparing water "blanks" from unused supplies and storing these with the samples for analysis of background contamination. For this reason, only NIST-provided supplies should be used, as NIST will make 6 complete sets of blanks using supplies of the identical lot number provided. During sampling and processing, care should be taken to minimize residues from windblown sand, rainwater, saltwater drips, indoor and outdoor dust, fuel, engine exhaust, sunscreen, insect repellent, cigarette smoke, skin, hair, and any other chemicals. The most likely problems occur from touching NIST-provided supplies to gloves, bench-tops, rain or saltwater, or beach sand prior to or during their use in processing samples. These problems must be avoided by either processing samples in an indoor environment (e.g., Hawaii Pacific University) or taking care to protect samples from wind. NIST-provided supplies must remain covered in original packaging and only removed immediately before its use. If a pipette tip touches anything but the intended sample, it should be considered contaminated and be discarded. To mimic possible contamination during storage, water blanks are to be stored alongside the samples.

Blood Collection

Preface: Timing matters. Blood sampling should occur as quickly as possible after capture. Sample processing should occur as quickly as possible after sample collection with no longer than a 12 hour delay but not if it will jeopardize the integrity of the supplies or samples (see above). Samples will be processed at HPU's Oceanic Institute at the end of the day. On smaller animals, only 10 mL of blood will be collected. A second 10 mL tube may be collected on larger animals. The blood will be split into several aliquots to maximize the utility of the sample.

Intended collection and uses of aliquots:

<u>Aliquot ID</u>	<u>Vol (mL)</u>	<u>Sample Type</u>	<u>Container</u>	<u>Intended purpose</u>
B001	0.75-1.5	whole blood	Cryovial	Inorganic compounds
*B002	1-1.5	whole blood	Cryovial	Bank
P001	4-5	plasma	Teflon jar	OCs
P002	0.5-1	plasma	Cryovial	Bank (PFCs?)

NIST Sampling Protocol for Pacific Green Sea Turtles Captured in the Ocean March 2011

P003-n	0.5-1.5	Remaining plasma	Cryovials	Bank (Plasma chemistry?)
W001	as needed	Buffy coat with RBC	Cryovial	Banked
R001	1.0	RBCs	Cryovial	Mercury
R002-n	0.5-1.5	RBCs	Cryovial	Banked

* Only if 20+ mL of blood collected.

Aliquoting ideas for the future to consider if more blood could be collected

<u>Sample Type</u>	<u>Container</u>	<u>Intended purpose</u>
<i>Blood smear</i>	<i>Microscope slide</i>	<i>Banked for hematology</i>
<i>Whole blood</i>	<i>Hematocrit tube</i>	<i>Hematocrit</i>
<i>Whole blood</i>	<i>plastic tube</i>	<i>Gene expression with RNA Later added</i>
<i>Plasma</i>	<i>plastic tube</i>	<i>Total Suspended Solids</i>
<i>Buffy coat with RBC</i>	<i>plastic tube</i>	<i>Gene expression with RNA Later added</i>
<i>RBC</i>	<i>plastic tube</i>	<i>Gene expression with RNA Later added</i>

Pre-Cleaning Materials (used at NIST only)

- Hexane: Burdick and Jackson Cat # GC215-4 for trace analysis at or below the ppb level
- Methanol: Burdick and Jackson Cat # GC230-4 for trace analysis at or below the ppb level
- Nitric acid: Optima ultra-pure, Fisherbrand Cat # A4672 diluted to 3% with Millipore water from the Inorganic Chemistry room of the Hollings Marine Laboratory
- Solvents used in the NIST Environmental Specimen Bank

Sample Collection Materials (agency providing):

- Alcohol to sterilize turtle neck (NMFS)
- **Soft brush** to clean turtle neck
- Vacutainer double-ended needle (1.5 inch length; 21 gauge), cat #368607, lot #0314141 (NIST)
- Vacutainer 10 mL glass sodium heparin blood collection tube, BD cat #366480, lot #0279883 (NIST)
- Vacutainer hubs (NIST)
- Cooler with frozen gel packs and bubble wrap (HPU/NIST)
- Powder free vinyl gloves (Kimtech Cat #61002 for medium; NIST)
- **Data sheet** (NIST)

Sample Processing Materials (agency providing):

- Powder free vinyl gloves (NIST)
- Centrifuge; preferably swinging-bucket (HPU)
- Cryovials – Corning 2 mL self-standing, conical bottom, silicone washer, external threading, Corning # 430659; lot #17910025; not pre-cleaned (8+/animal; NIST)
- Teflon jars – Savillex 5 mL vial, conical inside and fin-type bottom, cat # 200-005-32; pre-cleaned in specimen bank (1/animal; NIST)

NIST Sampling Protocol for Pacific Green Sea Turtles Captured in the Ocean March 2011

- Teflon jar lids – Savillex for 5 mL and 7 mL vials, recessed lid, 24 mm threaded closure, cat # 600-024-71; pre-cleaned in specimen bank (1/animal; NIST)
- Teflon jar labels – Savillex cat # 730-0100 (1/animal; NIST)
- Pasteur pipettes, 9 inch, borosilicate glass, non-sterile, Fisherbrand Cat # 13-678-20C pre-cleaned (NIST)
- Pipette bulbs (NIST)
- Test tube racks (NIST)
- 2 inch tall cryovial freezer boxes with 81-place dividers (NIST)
- Freezer -80 °C (HPU)
- Millipore (18 megaohms) water from NIST inorganic cleanroom in Teflon bottle that was pre-cleaned with acid, water, hexane, acetone, and water for making blanks (NIST)
- Millipore (18 megaohms) water from NIST inorganic cleanroom in plastic (LDPE) bottle that was pre-cleaned with acid and water for making blanks (NIST)
- NIST **turtle ID tracking-inventory datasheet** containing NIST Specimen Bank Turtle IDs already reserved from the N:Turtle Bank: Turtle ID tracking sheet.xls (NIST)
- Foil for wrapping Teflon jar to secure label (NIST)
- Sharpies (NIST)
- Ziploc baggies for each kit (NIST)
- Sharps container (NIST)

Blood Collection (continued)

Supply pre-cleaning Procedure:

- Teflon jars and lids are pre-cleaned using the specimen bank protocol, allowed to dry in the cleanroom, capped, and labeled as subsample “P001”.
- Cryovials are not pre-cleaned but labeled.
- “A” pipettes are pre-rinsed 3x hexane with Teflon squirt bottle and placed into a hexane-rinsed foil package.
- “B” pipettes are broken to make a wider bore, immersed in 3% nitric acid overnight in a polypropylene bottle, rinsed 3x with Millipore water, allowed to dry on cleanroom wipes in a Hepa hood, and placed into a plastic bottle.
- Kits for each turtle are compiled in individual baggies, each containing 1 Vacutainer blood tube, 1 needle, 1 Teflon jar, cryovials for all aliquots. All **tubes are pre-labeled with the NIST Specimen Bank ID for that blood tube (MT11S001 to MT11S050)** and the aliquot ID (e.g. P001, R002).
- Multiple sets of blanks are made from Millipore water collected from the inorganic lab at NIST into either a pre-cleaned Teflon bottle (three sets) or a pre-cleaned LDPE bottle (three sets). The blanks will be made at the processing location (one or more per day but spread out over the sampling event duration) with supplies from the same lots as the sample collection and the same pre-cleaned pipets. The blank water samples are stored in the same storage and shipping container with the samples for the duration of banking.

NIST Sampling Protocol for Pacific Green Sea Turtles Captured in the Ocean March 2011

Sample Collection Procedure:

- Scrub debris and algae from blood collection site on the dorsal surface of the neck with a soft brush and alcohol. Sterile the site with alcohol.
- Apply a hub to the Vacutainer needle for safety, insert the long end of the needle into the neck, then push the Vacutainer tube onto the outer needle.
- Collect a full 10 mL of blood into tube. Remove the tube from the needle prior to removing the needle from the turtle.
- After collection, slowly and smoothly invert the blood tube 8 times to mix the blood with the anticoagulants. Do not shake.
- Place the blood tube in a cooler with ice packs or ice. Do not put the blood tubes directly in contact with the ice as hemolysis can occur. Use the bubble wrap or plastic cup lined with paper towels as a barrier.
- Dispose of the needle safely in the sharps container.

Processing Procedure:

- Put on clean gloves, and invert tube slowly and smoothly 8 times to homogenize the blood. Using a clean "B" Pasteur pipette with a bulb, transfer 0.75-1.0 mL whole blood to the B001 cryovial. Avoid returning blood to the original tube and don't waste sample. Take a second aliquot of whole blood if 20 mL of blood were collected.
- Recap blood tube and centrifuge at 1300 g for 10 min (adjusted for individual centrifuges) to separate plasma from red blood cells and other cellular material.
- Using a clean "A" Pasteur pipette with a bulb, pull up plasma from different layers with each suction (don't just sip off the top), but also avoid cellular material from the buffy coat getting into the plasma by not taking plasma too close to this layer. Transfer plasma into the appropriate aliquots starting with 4-5 mL into a 5 mL Teflon jar labeled P001 (see Figure 1 for volume reference), followed by 0.5-1 mL plasma into a pre-cleaned cryovial labeled P002, and then the remaining plasma should be split into 0.5-1 mL aliquots in additional cryovials. Aliquots should not be removed from the Teflon jar into a cryovial or vice versa.
- Using the same "A" pipette, transfer remaining plasma and the buffy coat (greatly contaminated with red blood cells) into the W001 cryovial. The goal is to remove all plasma and white blood cells from the underlying red blood cells.
- Using a clean "B" pipette, transfer 1 mL RBCs into R001 cryovial and then 0.5-1.5 mL RBCs into additional cryovials labeled R002-R00n.
- Keep all aliquots tightly capped and on ice or refrigerated until freezing.
- Fill out the data sheet for each animal.
- Freeze all aliquots at -80 °C.

***NOTE* If the protocol is not followed or blood tubes are collected out of sequence please make note on the data sheet.**

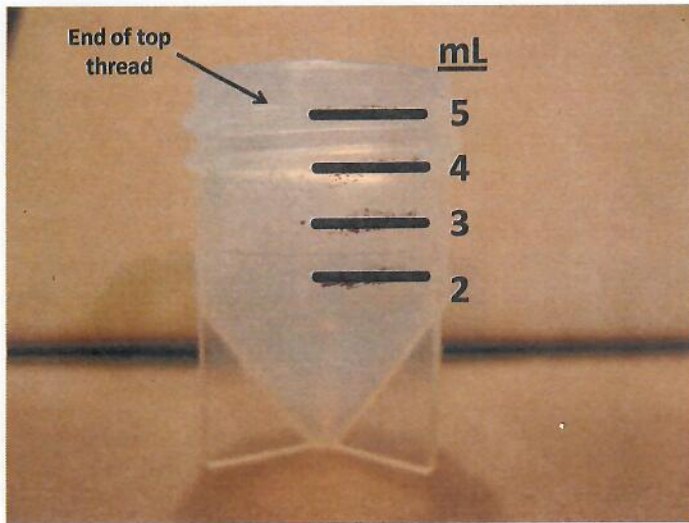


Figure 1. Photo of 5 mL Teflon jar with graduations.

Blood Collection (continued)

Blanks for blood:

Collect three field blanks for each type of water provided. Spread out the making of blanks over several days of the sampling event.

Green-top lot# _____

Blank 1	Teflon water	made on _____	(ddmmmyy)
Blank 2	Teflon water	made on _____	(ddmmmyy)
Blank 3	Teflon water	made on _____	(ddmmmyy)
Blank 4	non-Teflon water	made on _____	(ddmmmyy)
Blank 5	non-Teflon water	made on _____	(ddmmmyy)
Blank 6	non-Teflon water	made on _____	(ddmmmyy)

Blanks should be made in the same manner as samples were collected and processed. One blank set will be made with NIST Teflon water and another set will be made with NIST non-Teflon water:

- At the sampling location, using a Vacutainer needle, draw deionized water from the Teflon bottle into a green-top blood tube. Invert tube 8 times as done with the blood sample to mix the water with the anticoagulants.
- Follow the steps in the Processing Procedure Section above with water blanks in the blood tubes.
- Label the sample storage containers for the blanks according to the Label Section.
- Repeat the steps above two more times using new tubes and blood sampling devices. Label these appropriately Blank 1, 2, and 3 for each set of blanks.

NOTE: A new set of blanks will need to be made when a different blood tube or blood sampling device lot number is used.

Scute Collection

Preface: The major sources of contamination while scute sampling are from epibiota on the carapace and external environment (exhaust, dust, rain, saltwater, sand). Never reuse a biopsy punch on different animals. Keratin will be scraped from the outermost edge of scutes within a standardized area comprised of the eight most posterior marginal scutes of the carapace. Scutes sampled will be those most free of fouling organisms, and those that appear to have keratin of sufficient thickness and texture to provide a sufficient sample mass while minimizing the risk of penetrating through the keratin layer. This most often occurs where the keratin from the dorsal and ventral surfaces of a scute meet. This area can form a relatively thin edge, especially on the posterior corner, where the keratin and underlying bone can be discriminated. This avoids scraping too deeply and causing injury to the turtle and it also prevents contaminating the sample with untargeted tissues.

Sample Mass Requirements: 0.2-0.5 grams

Materials:

- plastic scrubbing pad
- Tupperware container to keep scrubbing pad in isopropanol between turtles
- Millipore water from HPU in plastic squirt bottle
- Isopropanol (Cat# _____) in plastic squirt bottle
- Cotton cleanroom wipers (Texwipe Cat# TX304)
- Disposable stainless steel biopsy tool (Jorgensen Cat# J163D6) (1/animal)
- 12x12 inch Teflon bag (Cat#xx)
- Bag tie closure
- Labels for internal bag or at tie closure
- Heat sealer
- Powder free vinyl gloves
- Cooler with ice or ice pack
- Freezer (-80 °C)
- Data sheet
- Sharps container (NIST)

Procedure:

- Wearing vinyl gloves, rinse plastic scrubbing pad with isopropanol and high purity water prior to use.
- Clean the 2 cm of carapace dorsal and ventral to the edge of the eight most posterior marginal scutes. Remove sloughing keratin and epiphytic/epibiotic organisms using a plastic scrubbing pad, rinsing liberally with isopropanol and then high purity distilled water.
- Use cleanroom wipers, isopropanol, and distilled water to remove any remaining foreign matter and debris. Blot dry the region with a clean cleanroom wiper.
- Move the biopsy tool horizontal along the prepared carapace edge to obtain 0.2-0.5 g of superficial keratin. Allow the small shavings or splinters of keratin < 1 mm in thickness to drop directly into a Teflon bag.

NIST Sampling Protocol for Pacific Green Sea Turtles Captured in the Ocean March 2011

- Seal with bag with a tie closure and label, later heat seal it with label inside second outer bag.
- Store the sample on ice until frozen at -80°C.
- Fill out the data sheet for each animal.

Labeling

All samples should be labeled following a standard procedure. Each tube label should include the following information:

Animal ID
Aliquot ID or sample type
Date (ddMmmyy)
NIST/Institution - Location of Animal (Institution = PIFSC; Location = KB – Kailua Bay, Oahu, Hawaii)

SAMPLE: Field ID used by PIFSC
P001
28Mar11
NIST / PIFSC - KB

Storage

Samples will be stored temporarily in a -80 °C freezer at Hawaii Pacific University's Oceanic Institute on Oahu with oversight by Brenda Jensen. Samples will be shipped to Jennifer Keller, NIST, Hollings Marine Lab, 331 Ft. Johnson Rd., Charleston, SC 29412 for long term storage in the NIST Environmental Specimen Bank until a facility is built in Hawaii.

Before transferring, relocating, or shipping samples, or if storage conditions fail, contact all of the following personnel:

Jennifer Keller (Jennifer.keller@noaa.gov)	843-725-4822
George Balazs (George.Balazs@noaa.gov)	808-983-5733
Rebecca Pugh (rebecca.pugh@noaa.gov)	843-762-8952

If you have questions about the protocol or sampling, contact:

Jennifer Keller (Jennifer.keller@noaa.gov)
843-725-4822 (work) 843-442-2188 (cell phone)





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