

# MTBAP DATA FORM

Basking In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

1

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 67.1 cm

Straight Carapace Width (SCW): 52.3 cm

Curved Carapace Length (CCL): 70.5 cm

Curved Carapace Width (CCW): 64.0 cm

Plastron Straight Length (PSL): 51.9 cm

Total Tail Length: 16.2 cm

Tail length (Plastron to Cloaca): 11.0 cm

Mass: 84.5 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

44547D064B

LH New

4454011674

RH New

(Affix new LH PIT tag ID label here)

(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

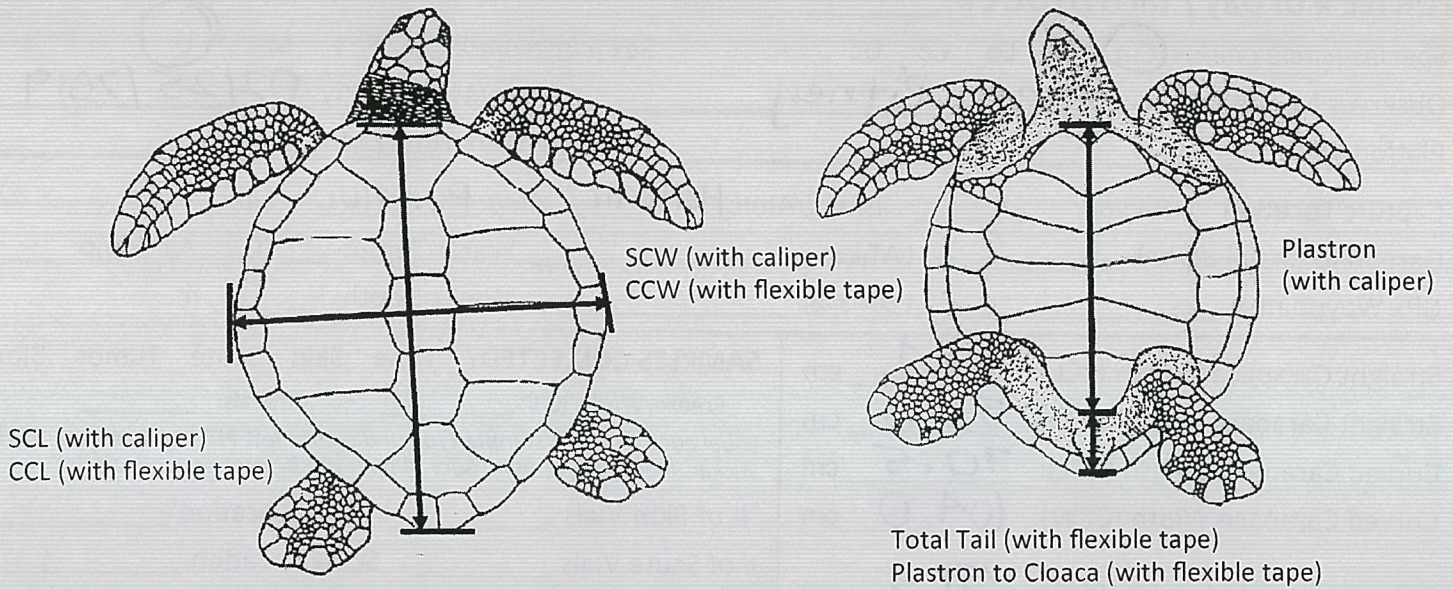
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments:

P.C. in mouth

# MTBAP DATA FORM

Basking In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

2

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 53.5 cm  
 Straight Carapace Width (SCW): 39.7 cm  
 Curved Carapace Length (CCL): 57.0 cm  
 Curved Carapace Width (CCW): 48.0 cm  
 Plastron Straight Length (PSL): 42.2 cm  
 Total Tail Length: 12.5 cm  
 Tail length (Plastron to Cloaca): 8.5 cm  
 Mass: 40.0 lbs kg

**SAMPLES COLLECTED?** None Skin Scute Tumor Blood  
 FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_  
 Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.  
 # of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_  
 # of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_  
 # of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_  
 Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_  
 Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)  
 Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

decimal:  982.000402166322  
 hexadecimal:  3D6.0017F39232  
 (Affix new LH PIT tag ID label here)

Flipper Tags (2 Types) LH New

decimal:  982.000402166326  
 hexadecimal:  3D6.0017F89236  
 (Affix new RH PIT tag ID label here)

RH New

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

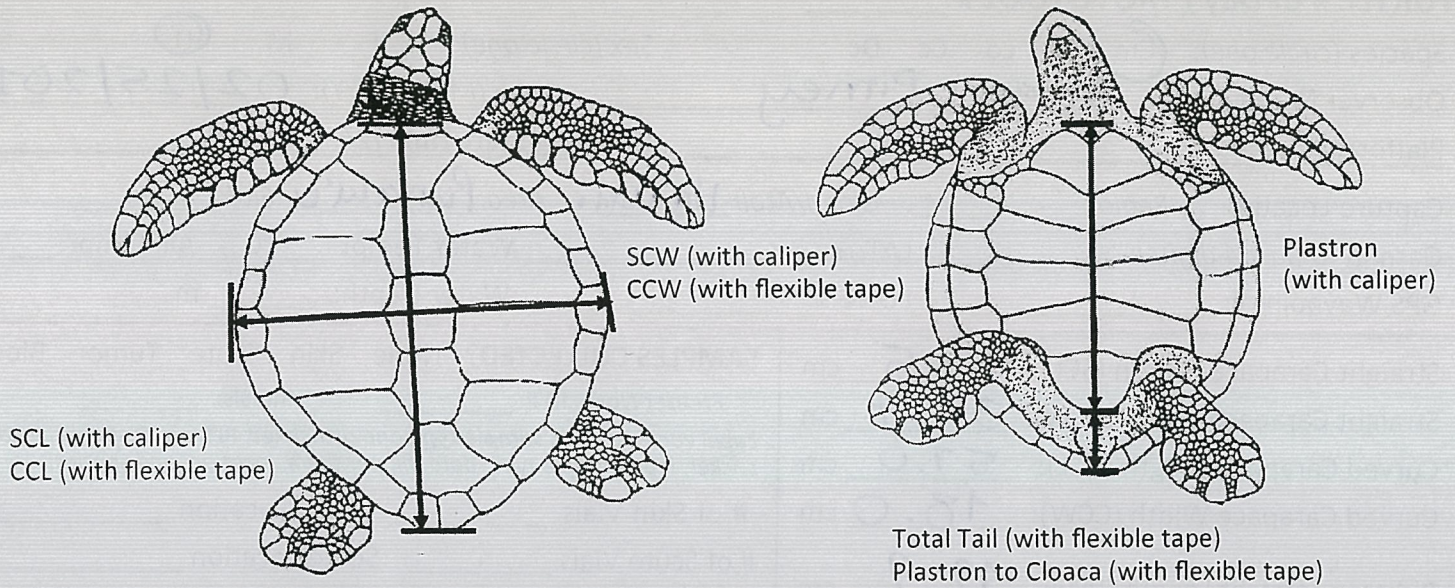
Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

- Pre-release Checklist**
- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
  - \_\_\_\_\_ Measurements recorded
  - \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
  - \_\_\_\_\_ Epoxy/Paint are dry
  - \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
  - \_\_\_\_\_ Location of capture/release recorded
  - \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_  
 Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_  
 GPS Waypoint #: \_\_\_\_\_  
 LAT(dd): \_\_\_\_\_  
 LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: P.C. in mouth

# MTBAP DATA FORM

Basking In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

3

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): ~~02~~ 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 66.0 cm  
 Straight Carapace Width (SCW): 54.7 cm  
 Curved Carapace Length (CCL): 71.0 cm  
 Curved Carapace Width (CCW): 66.0 cm  
 Plastron Straight Length (PSL): 54.1 cm  
 Total Tail Length: 18.5 cm  
 Tail length (Plastron to Cloaca): 14.0 cm  
 Mass: 84.0 lbs kg

**SAMPLES COLLECTED?** None Skin Scute Tumor Blood  
 FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_  
 Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.  
 # of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_  
 # of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_  
 # of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_  
 Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_  
 Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)  
 Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

### Flipper Tags (2 Types)

407A4A237C LH New  
 (Affix new LH PIT tag ID label here)

423E16304F RH New  
 (Affix new RH PIT tag ID label here)

Location		Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9	
LH	Old	R92										
RH	Old	K592										
LF	Old	R90										
RF	Old	R91										
RH	Old	0	3	1	2	3	4	5	6	7	8	

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

### Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

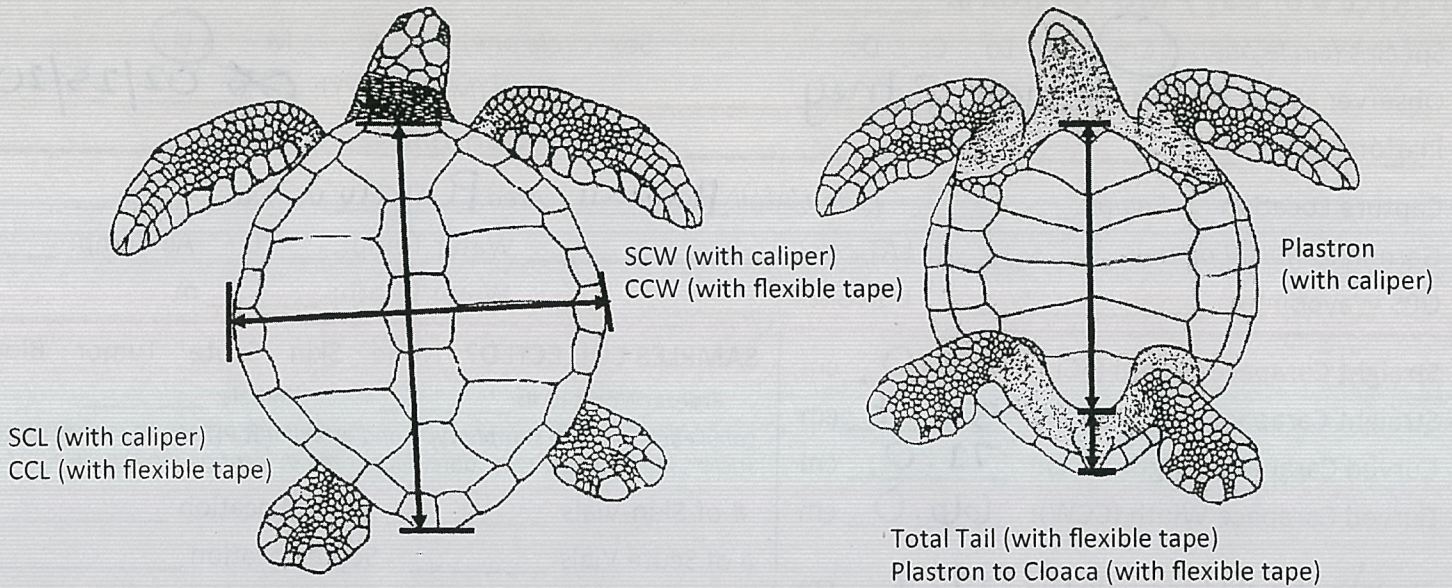
Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

- Pre-release Checklist**
- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
  - \_\_\_\_\_ Measurements recorded
  - \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
  - \_\_\_\_\_ Epoxy/Paint are dry
  - \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
  - \_\_\_\_\_ Location of capture/release recorded
  - \_\_\_\_\_ Photos

**Release Time (24hr format):** \_\_\_\_\_  
 Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_  
 GPS Waypoint #: \_\_\_\_\_  
 LAT(dd): \_\_\_\_\_  
 LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (circle one): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: Emaciation Code: 2  
P.c. in mouth

# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

4

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Putney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 73.2 cm

Straight Carapace Width (SCW): 55.7 cm

Curved Carapace Length (CCL): 77.5 cm

Curved Carapace Width (CCW): 69.5 cm

Plastron Straight Length (PSL): \_\_\_\_\_ cm

Total Tail Length: \_\_\_\_\_ cm

Tail length (Plastron to Cloaca): \_\_\_\_\_ cm

Mass: 101.0 lbs kg

**SAMPLES COLLECTED?** None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

413E147E50 LH New  
(Affix new LH PIT tag ID label here)

4527295525 RH New  
(Affix new RH PIT tag ID label here)

Location		Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9	
RF	OLD	8927										
RH	OLD	V523										
LH	OLD	K583										
LF	OLD	8923										
RH	Old	0	3	1	2	3	4	5	6	7	8	

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

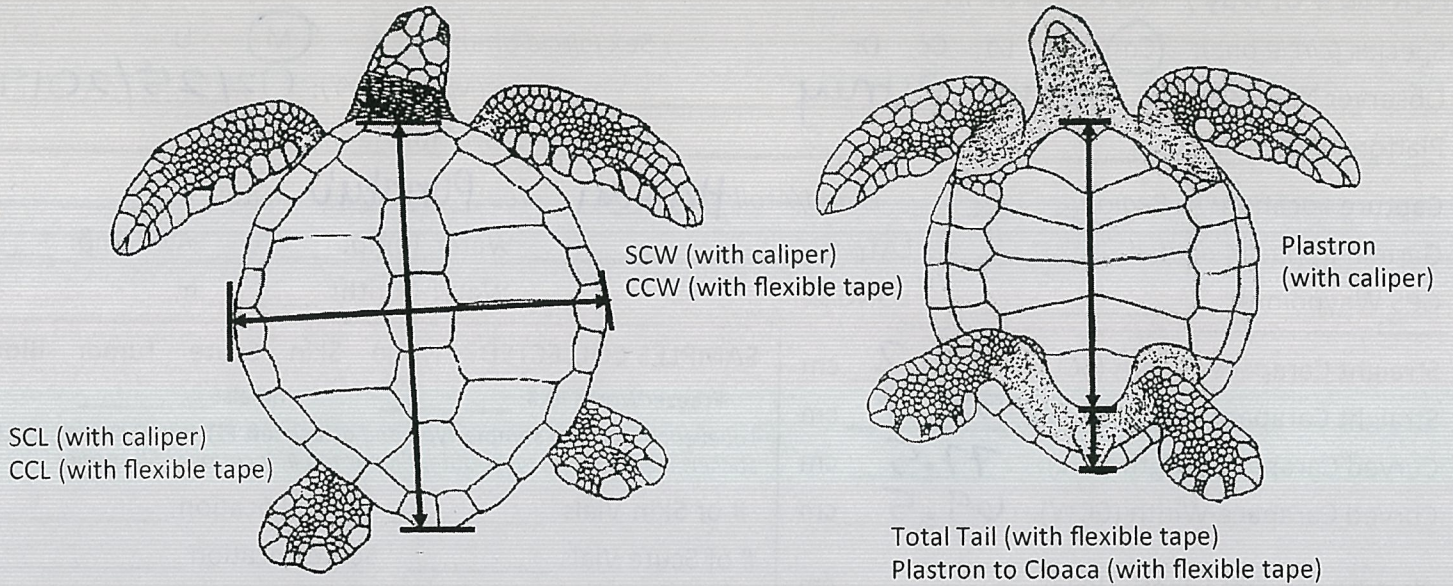
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (circle one): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: Emaciation Code: 2  
P.c in mouth



# TBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

5

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc DcSex (circle one): F M UObserver Names/Initials: Abigail PitneyDate (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 54.9 cmStraight Carapace Width (SCW): 44.2 cmCurved Carapace Length (CCL): 58.5 cmCurved Carapace Width (CCW): 53.0 cmPlastron Straight Length (PSL): 43.4 cmTotal Tail Length: 13.0 cmTail length (Plastron to Cloaca): 8.5 cmMass: 49.0 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

892000364988395 LH New  
(Affix new LH PIT tag ID label here)892000364998663 RH New  
(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

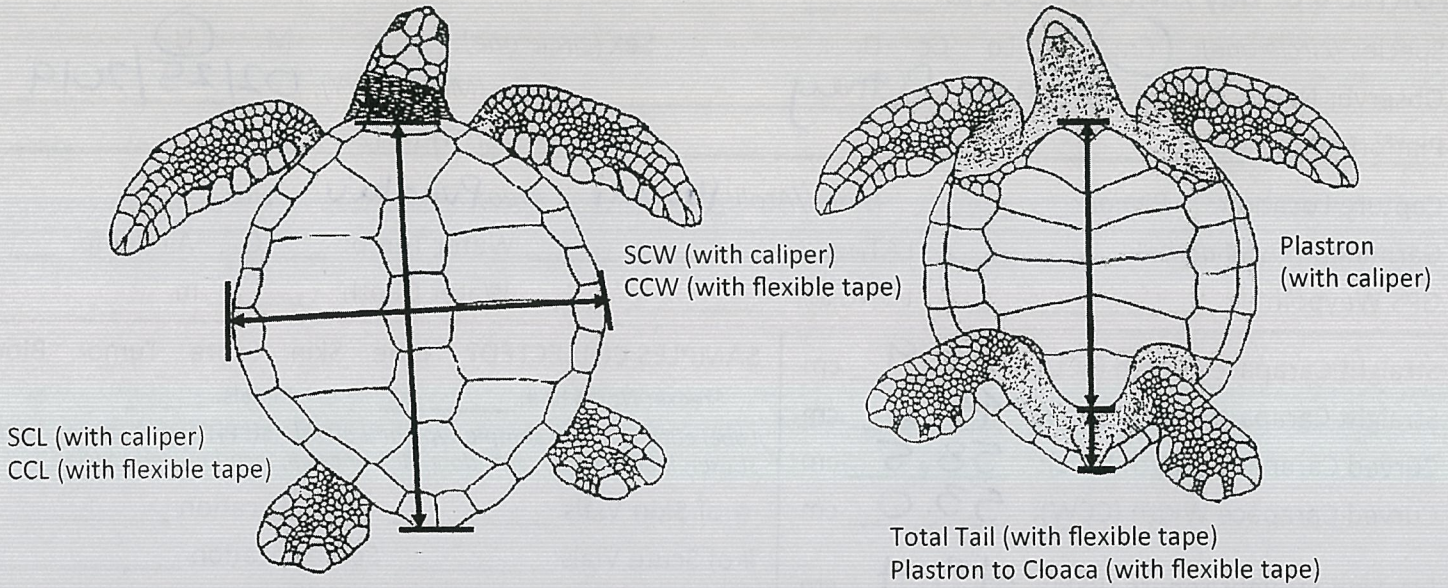
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: P.C. in mouth

# MTBAP DATA FORM

Basking In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 45.9 cm

Straight Carapace Width (SCW): 36.7 cm

Curved Carapace Length (CCL): 49.0 cm

Curved Carapace Width (CCW): 43.0 cm

Plastron Straight Length (PSL): 35.8 cm

Total Tail Length: 10.5 cm

Tail length (Plastron to Cloaca): 7.0 cm

Mass: 30.0 lbs kg

**SAMPLES COLLECTED?** None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

decimal:  982.000402166181  
exadecimal:  3D6.0017F891A5

Flipper Tags (2 Types)

decimal:  982.000402166146  
exadecimal:  3D6.0017F89182

LH New

RH New

(Affix new LH PIT tag ID label here)

(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

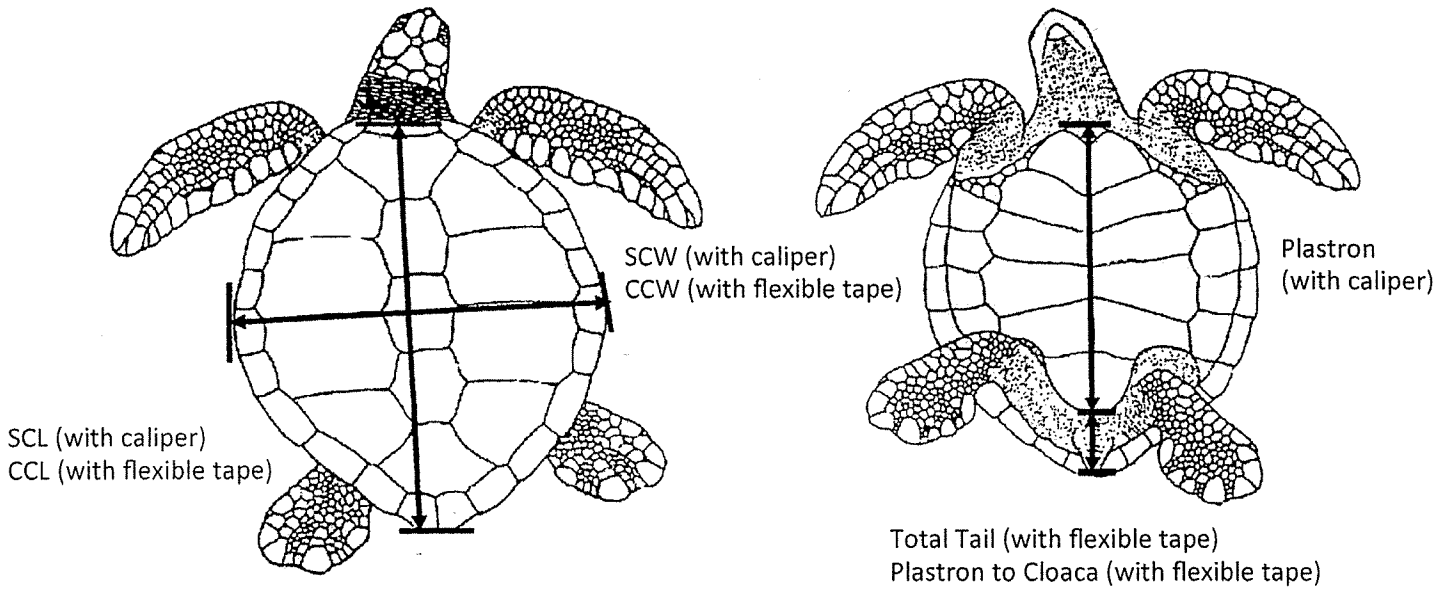
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

Size:	1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

Size:	1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments:

# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

7

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 60.5 cm

Straight Carapace Width (SCW): 47.6 cm

Curved Carapace Length (CCL): 65.0 cm

Curved Carapace Width (CCW): 59.0 cm

Plastron Straight Length (PSL): 48.9 cm

Total Tail Length: 12.5 cm

Tail length (Plastron to Cloaca): 8.0 cm

Mass: 65.5 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

5427503879 LH New  
(Affix new LH PIT tag ID label here)

4528406D6E RH New  
(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
LH	Old	3853									
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

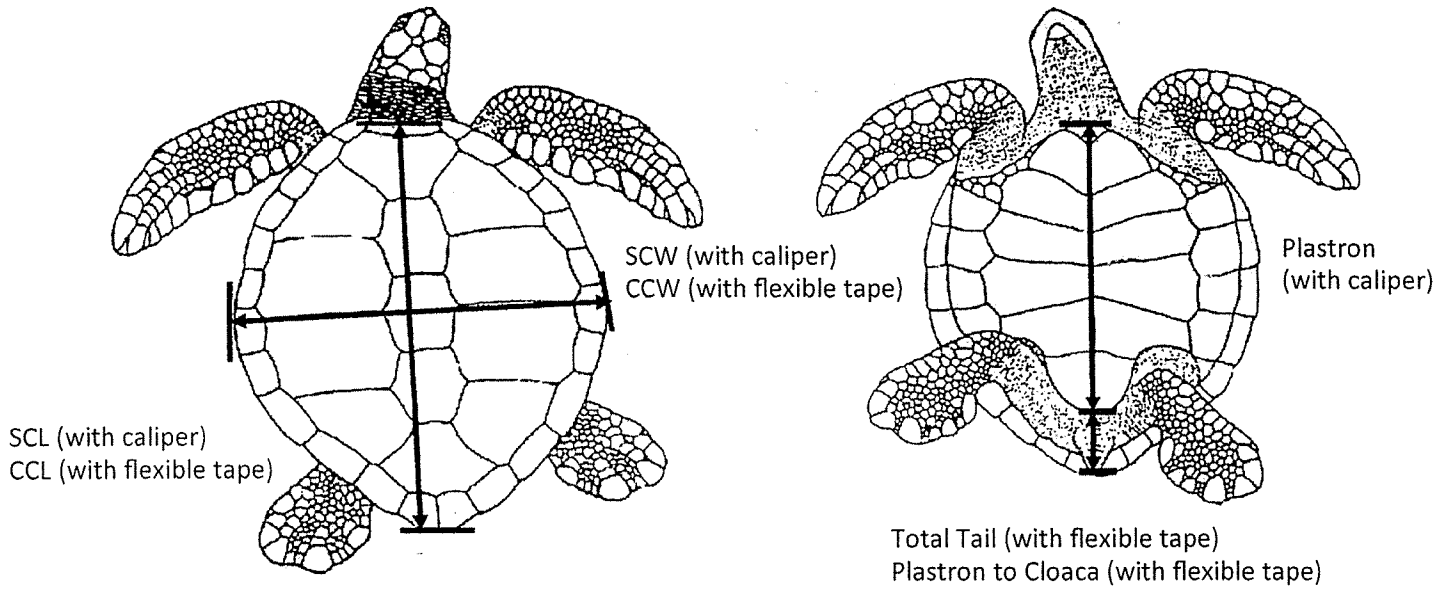
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

Size:	1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

Size:	1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments:

# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

8

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc DcSex (circle one): F M UObserver Names/Initials: Abigail PitneyDate (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 48.1 cmStraight Carapace Width (SCW): 37.9 cmCurved Carapace Length (CCL): 52.0 cmCurved Carapace Width (CCW): 46.0 cmPlastron Straight Length (PSL): 37.4 cmTotal Tail Length: 10.5 cmTail length (Plastron to Cloaca): 6.5 cmMass: 36.5 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

982000364898823 LH New

(Affix new LH PIT tag ID label here)

982000365082684 RH New

(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

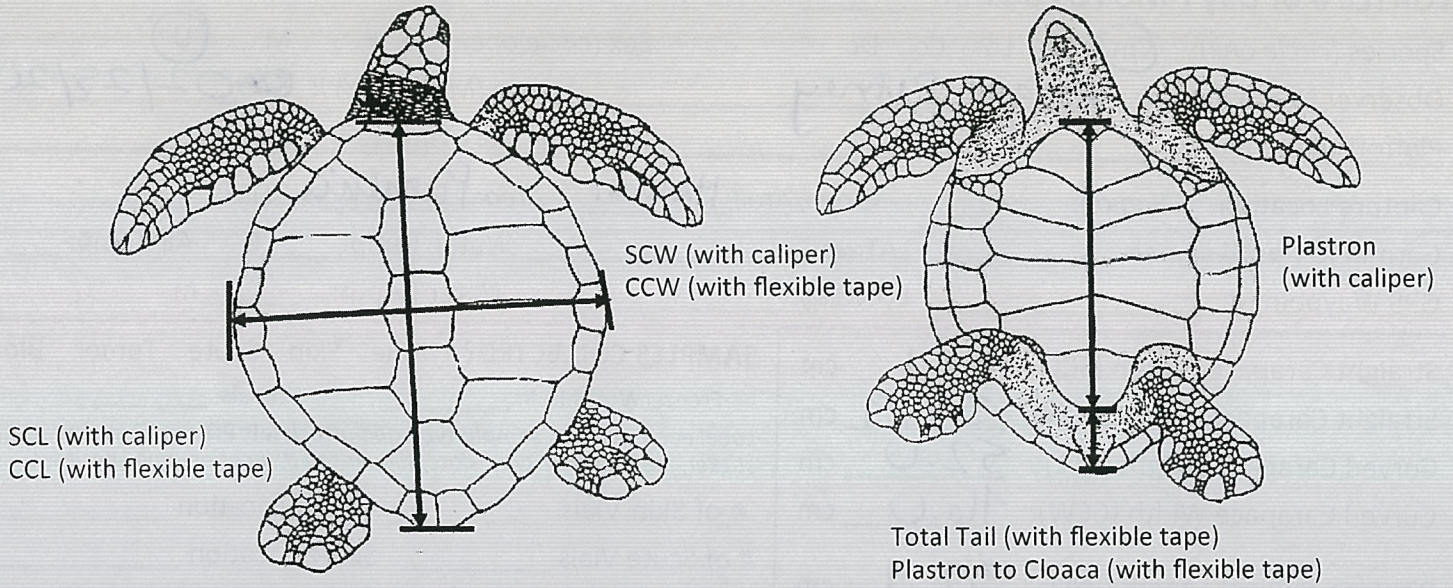
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: P.C. in mouth



# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

9

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluh Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 65.5 cm  
 Straight Carapace Width (SCW): 51.5 cm  
 Curved Carapace Length (CCL): 70.5 cm  
 Curved Carapace Width (CCW): 66.0 cm  
 Plastron Straight Length (PSL): 49.9 cm  
 Total Tail Length: 15.0 cm  
 Tail length (Plastron to Cloaca): 10.0 cm  
 Mass: 88.5 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

### Flipper Tags (2 Types)

4130330F15 LH New  
 (Affix new LH PIT tag ID label here)

452A52606D RH New  
 (Affix new RH PIT tag ID label here)

Location		Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9	
LH	OLD	H193										
RH	OLD	J415										
LF	OLD	H192										
RH	Old	0	3	1	2	3	4	5	6	7	8	

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

### Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

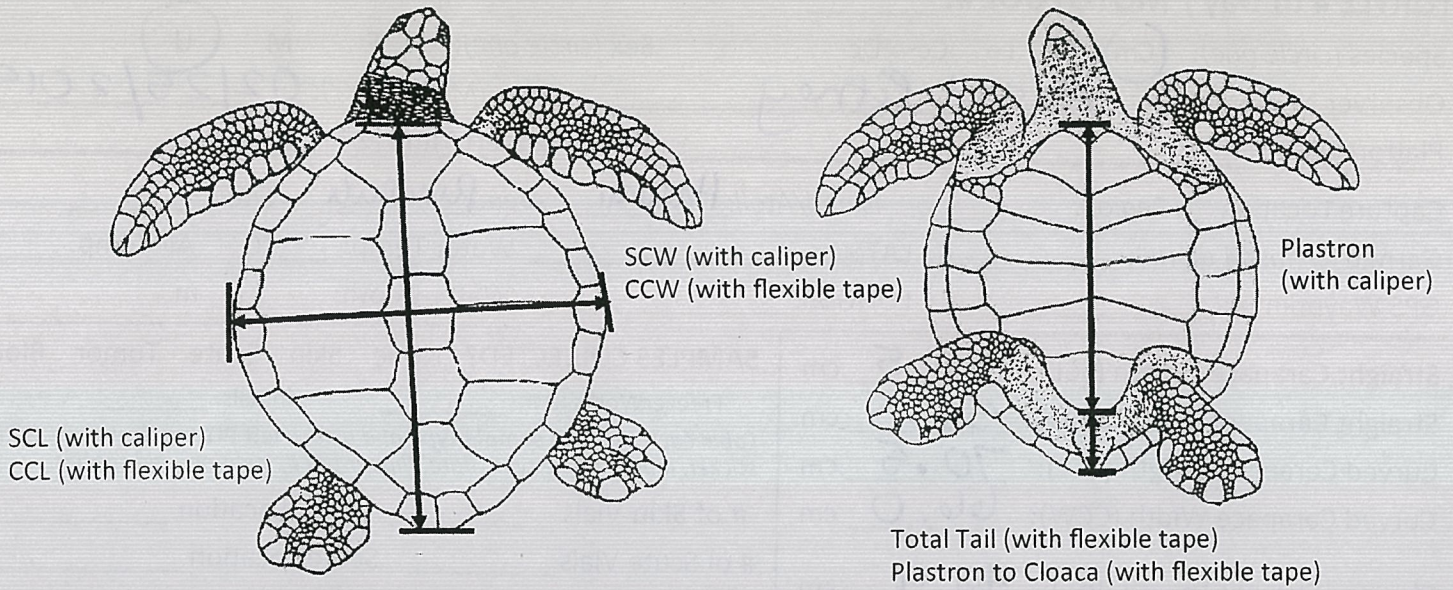
Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

- Pre-release Checklist**
- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
  - \_\_\_\_\_ Measurements recorded
  - \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
  - \_\_\_\_\_ Epoxy/Paint are dry
  - \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
  - \_\_\_\_\_ Location of capture/release recorded
  - \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_  
 Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_  
 GPS Waypoint #: \_\_\_\_\_  
 LAT(dd): \_\_\_\_\_  
 LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: P.c. in mouth

# MTBAP DATA FORM

Basking  In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

10

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 50.1 cm  
 Straight Carapace Width (SCW): 40.1 cm  
 Curved Carapace Length (CCL): 54.5 cm  
 Curved Carapace Width (CCW): 48.0 cm  
 Plastron Straight Length (PSL): 39.4 cm  
 Total Tail Length: 13.5 cm  
 Tail length (Plastron to Cloaca): 9.0 cm  
 Mass: 41.0 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL



Flipper Tags (2 Types)



LH New

RH New

(Affix new LH PIT tag ID label here)

(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

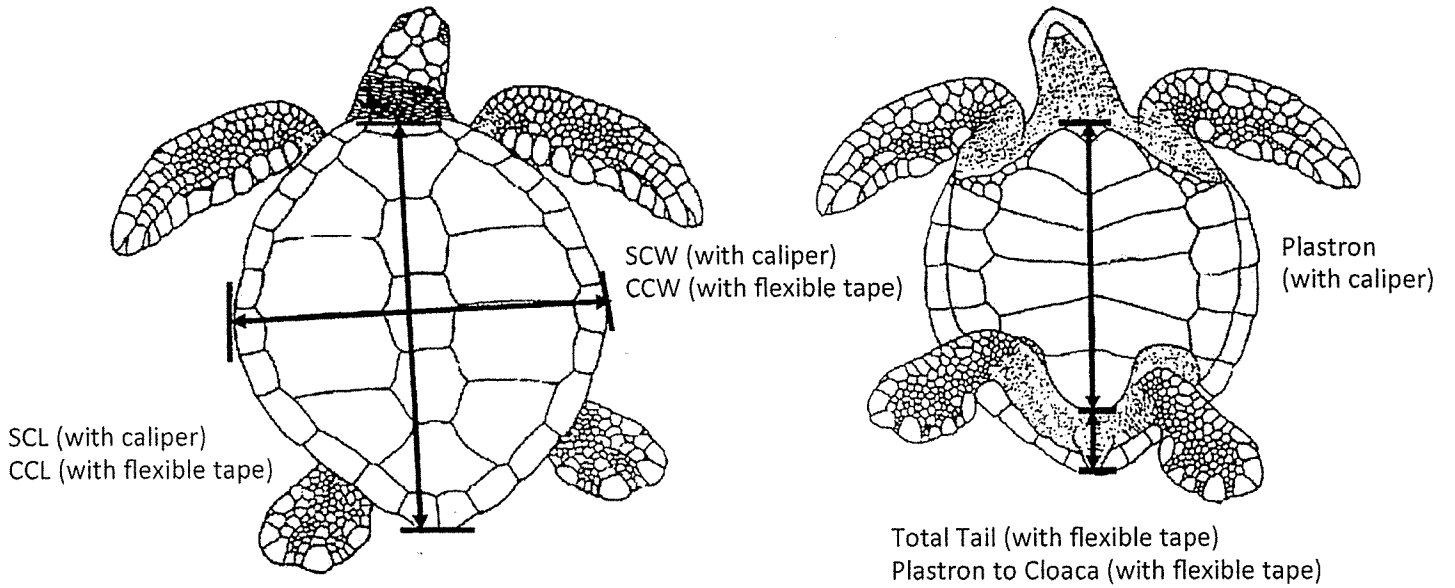
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

Size:	1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

Size:	1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments:



# MTBAP DATA FORM

Basking  In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

11

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_ Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 46.7 cm  
 Straight Carapace Width (SCW): 38.0 cm  
 Curved Carapace Length (CCL): 50.5 cm  
 Curved Carapace Width (CCW): 45.0 cm  
 Plastron Straight Length (PSL): 36.7 cm  
 Total Tail Length: 9.5 cm  
 Tail length (Plastron to Cloaca): 6.5 cm  
 Mass: 32.5 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

Decimal:   
 982.000402165778  
 Hexadecimal:   
 3D6.0017F89012

Flipper Tags (2 Types)

Decimal:   
 982.000402166833  
 Hexadecimal:   
 3D6.0017F89431

LH New

RH New

(Affix new LH PIT tag ID label here)

(Affix new RH PIT tag ID label here)

Location		Status		PIT/Metal Flipper Tag #											
LH	New	--	--	--	--	P	I	9	9	9	9				
RH	Old	0	3	1	2	3	4	5	6	7	8				

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

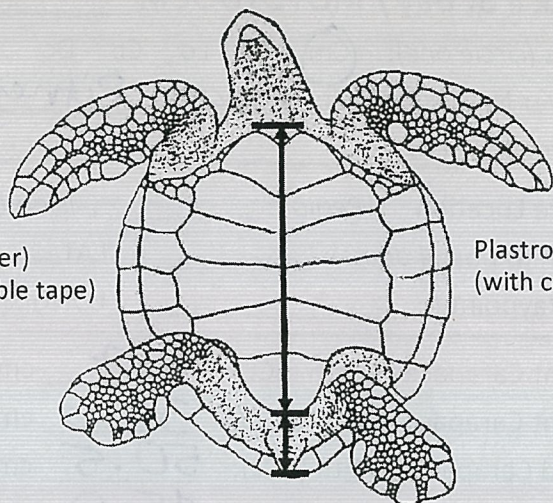
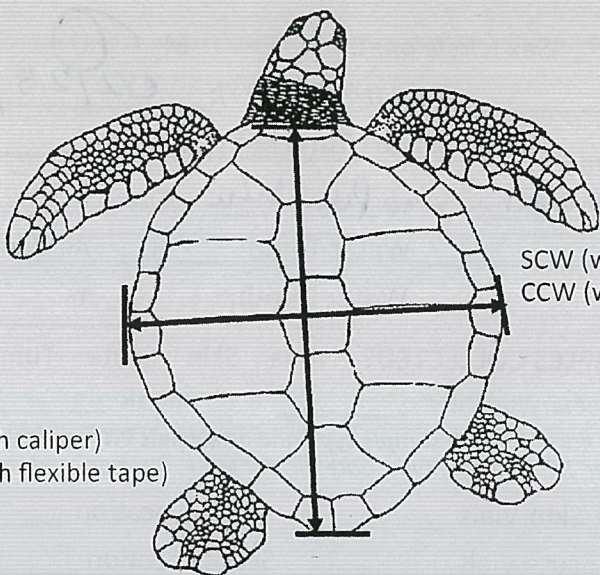
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



SCL (with caliper)  
CCL (with flexible tape)

SCW (with caliper)  
CCW (with flexible tape)

Plastron  
(with caliper)

Total Tail (with flexible tape)  
Plastron to Cloaca (with flexible tape)

Overall Tumor Score (*circle one*): 0 1 2 3 U

Size:	1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

Size:	1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: Small fishing hook removed from neck

# MTBAP DATA FORM

Basking In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

12

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT<sub>(dd)</sub>: \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG<sub>(dd)</sub>: \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 66.6 cm

Straight Carapace Width (SCW): 53.5 cm

Curved Carapace Length (CCL): 72.5 cm

Curved Carapace Width (CCW): 66.0 cm

Plastron Straight Length (PSL): 52.7 cm

Total Tail Length: 15.0 cm

Tail length (Plastron to Cloaca): 10.0 cm

Mass: 82.5 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

4236002B6D LH New  
(Affix new LH PIT tag ID label here)

422D52140E RH New  
(Affix new RH PIT tag ID label here)

Location	Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

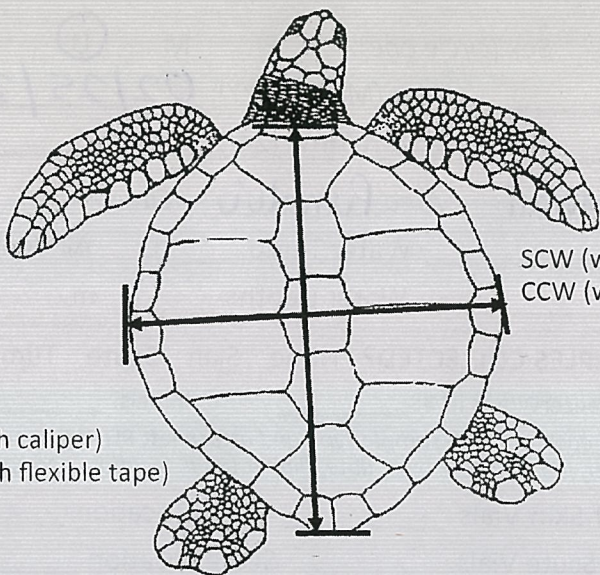
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

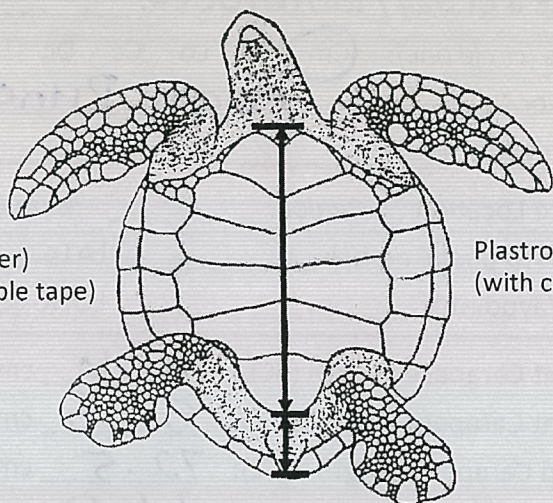
LAT<sub>(dd)</sub>: \_\_\_\_\_

LONG<sub>(dd)</sub>: \_\_\_\_\_

Draw any abnormalities below:



SCL (with caliper)  
CCL (with flexible tape)



Plastron  
(with caliper)

Total Tail (with flexible tape)  
Plastron to Cloaca (with flexible tape)

Overall Tumor Score (circle one): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: Old fiberglass material from satellite attachment



# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

13

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punaluu Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT<sub>(dd)</sub>: \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG<sub>(dd)</sub>: \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 63.7 cm  
 Straight Carapace Width (SCW): 52.7 cm  
 Curved Carapace Length (CCL): 68.0 cm  
 Curved Carapace Width (CCW): 64.0 cm  
 Plastron Straight Length (PSL): 51.0 cm  
 Total Tail Length: 17.0 cm  
 Tail length (Plastron to Cloaca): 12.0 cm  
 Mass: 78.5 lbs kg

**SAMPLES COLLECTED?** None Skin Scute Tumor Blood  
 FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_  
 Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.  
 # of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_  
 # of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_  
 # of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_  
 Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_  
 Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)  
 Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

4C4A4C7E13 LH New  
 (Affix new LH PIT tag ID label here)

4C49733A30 RH New  
 (Affix new RH PIT tag ID label here)

Location		Status	PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8	

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

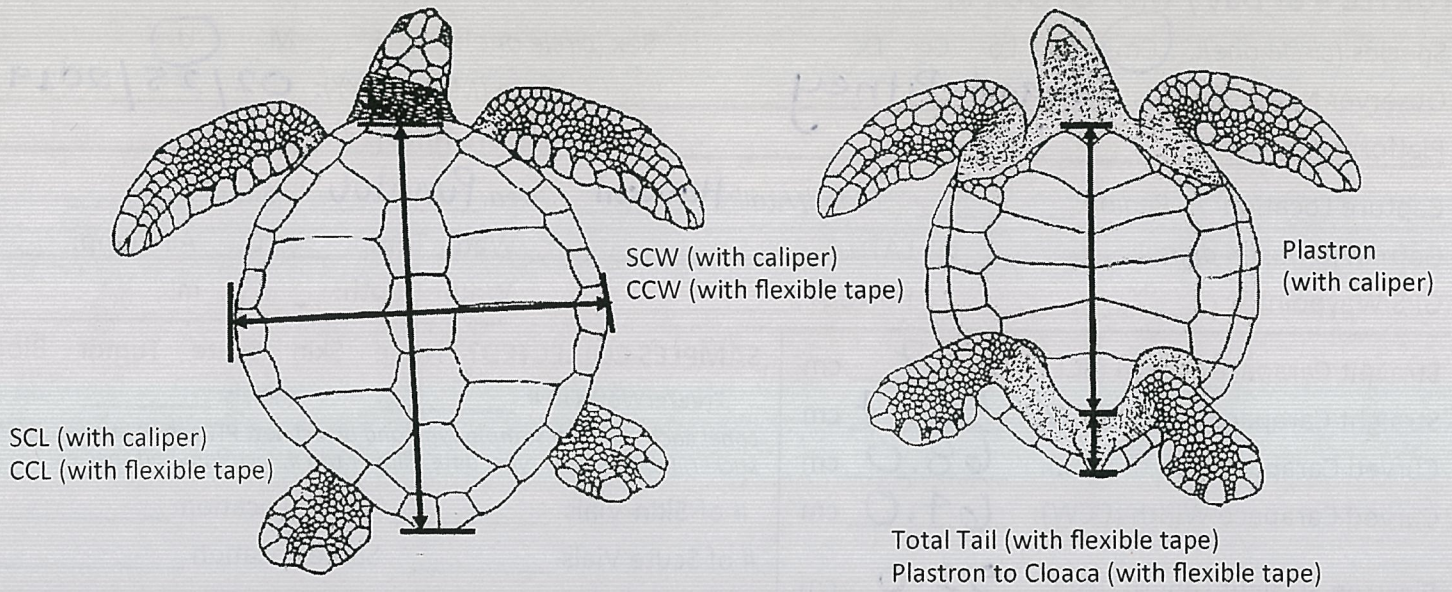
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT<sub>(dd)</sub>: \_\_\_\_\_

LONG<sub>(dd)</sub>: \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

Size:	1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

Size:	1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: Flat Plastron

# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

14

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 55.4 cm

Straight Carapace Width (SCW): 43.6 cm

Curved Carapace Length (CCL): 59.5 cm

Curved Carapace Width (CCW): 53.0 cm

Plastron Straight Length (PSL): 43.7 cm

Total Tail Length: 12.0 cm

Tail length (Plastron to Cloaca): 8.5 cm

Mass: 51.0 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

982000364898733 <sup>RH</sup>  New  
(Affix new LH PIT tag ID label here)

982000364998690 <sup>LH</sup>  New  
(Affix new RH PIT tag ID label here)

Location Status		PIT/Metal Flipper Tag #									
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
- \_\_\_\_\_ Sat tag PTT ID recorded, switched ON
- \_\_\_\_\_ Epoxy/Paint are dry
- \_\_\_\_\_ Check saltwater switches are clear, free from epoxy, paint, tape removed
- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

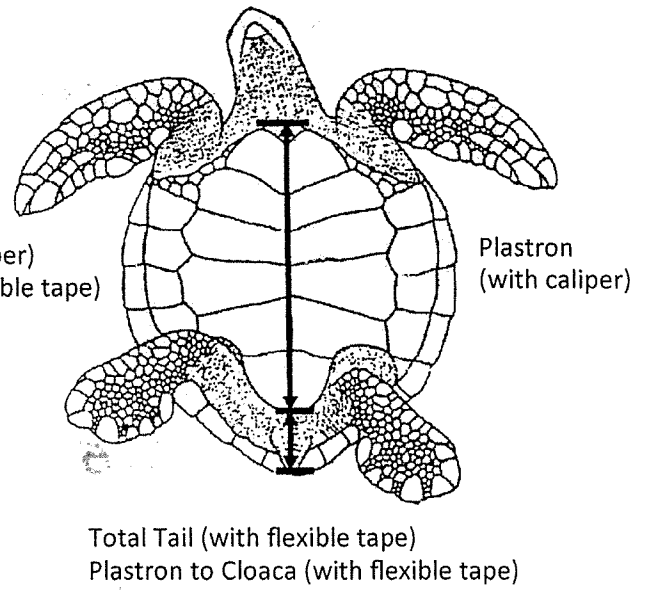
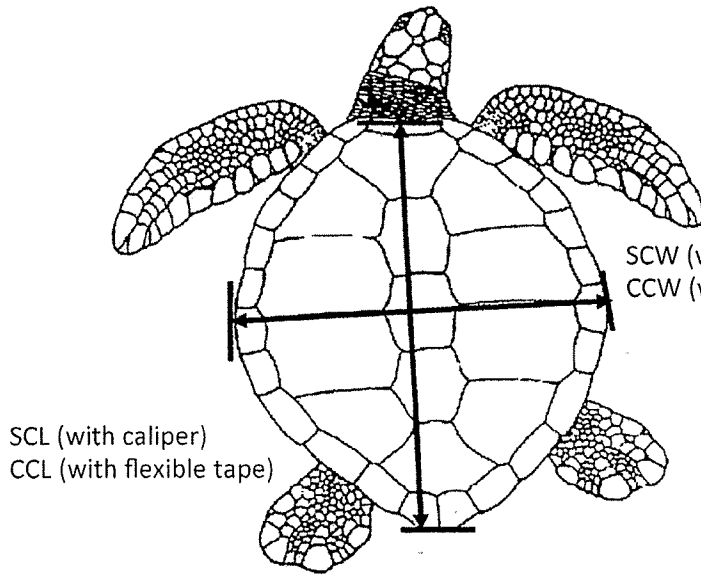
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

	Size: 1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

	Size: 1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments:

# MTBAP DATA FORM

Basking

In-water

Event ID (database): \_\_\_\_\_

Validation Date: \_\_\_\_\_ Initials: \_\_\_\_\_

15

TURTLE # of Day / MOTOTOOL #: \_\_\_\_\_

Species (circle one): Cm Ei Lo Cc Dc

Sex (circle one): F M U

Observer Names/Initials: Abigail Pitney

Date (MM/DD/YY): 02/25/2019

Platform/Method: \_\_\_\_\_

Handling Start Time (24hr format): \_\_\_\_\_

Capture Location Region: \_\_\_\_\_ Island/Atoll: Hawaii Area: Punalu'u Site: \_\_\_\_\_

Garmin ID (last 4 digits): \_\_\_\_\_ LAT(dd): \_\_\_\_\_ Water Temp: \_\_\_\_\_ °C Air Temp: \_\_\_\_\_ °C

GPS Waypoint #: \_\_\_\_\_ LONG(dd): \_\_\_\_\_ Water Depth: \_\_\_\_\_ m

Straight Carapace Length (SCL): 63.6 cm

Straight Carapace Width (SCW): 51.3 cm

Curved Carapace Length (CCL): 68.5 cm

Curved Carapace Width (CCW): 64.0 cm

Plastron Straight Length (PSL): 49.7 cm

Total Tail Length: 15.0 cm

Tail length (Plastron to Cloaca): 10.5 cm

Mass: 78.0 lbs kg

SAMPLES COLLECTED? None Skin Scute Tumor Blood

FreezerWorks ID #: \_\_\_\_\_ Initials: \_\_\_\_\_

Label each vial with **sample type** and attach **left PIT tag ID sticker**. Without a sticker, label sample type, date, flipper tag #, location, and species.

# of Skin Vials \_\_\_\_\_ Skin Location \_\_\_\_\_

# of Scute Vials \_\_\_\_\_ Scute Location \_\_\_\_\_

# of Tumor Vials \_\_\_\_\_ Tumor Location \_\_\_\_\_

Blood Collection Time: \_\_\_\_\_ # Tubes: \_\_\_\_\_

Volume: \_\_\_\_\_ mL Preservative: Na/Hep \_\_\_\_\_ (other)

Tube Type/Size: Glass Plastic 2 mL 6 mL 10 mL

## Flipper Tags (2 Types)

485013351E LH New  
(Affix new LH PIT tag ID label here)

483AD3555E RH New  
(Affix new RH PIT tag ID label here)

Location		Status		PIT/Metal Flipper Tag #							
LH	New	--	--	--	--	P	I	9	9	9	9
RH	Old	0	3	1	2	3	4	5	6	7	8

Tag Location: Right Front Flipper (RF), Left Front Flipper (LF), Right Hind (RH), Left Hind (LH) Tag Status: newly applied tag (New), already present tag (Old)

## Biotelemetry Tag

Project (circle one): MITT NBG Tag Type (circle one): Package Satellite (GPS/Argos) Archival (TDR) Acoustic (Sonic/VHF)

Tag Brand (circle one): Wildlife Computers Telonics Desert Star Systems Lotek

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Attachment Type (circle one): Two-part Epoxy Fiberglass \_\_\_\_\_ (Other)

### Pre-release Checklist

- \_\_\_\_\_ Turtle ID (# of day, metal, PIT)
- \_\_\_\_\_ Measurements recorded
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- \_\_\_\_\_ Location of capture/release recorded
- \_\_\_\_\_ Photos

Release Time (24hr format): \_\_\_\_\_

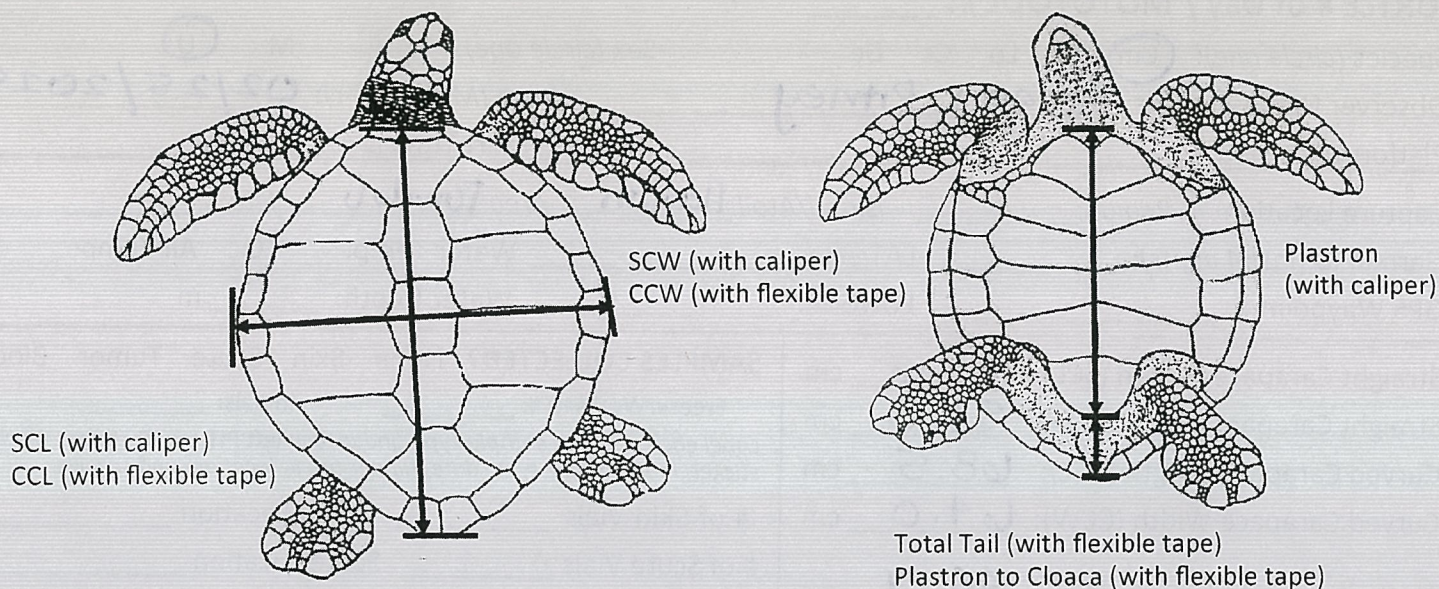
Area/Site: \_\_\_\_\_ Garmin ID (last 4 digits): \_\_\_\_\_

GPS Waypoint #: \_\_\_\_\_

LAT(dd): \_\_\_\_\_

LONG(dd): \_\_\_\_\_

Draw any abnormalities below:



Overall Tumor Score (*circle one*): 0 1 2 3 U

Size:	1	2	3	4
Left eye				
Right eye				
Neck				
Glottis/Tongue				
Other Mouth				
Jaw hinge				

Size:	1	2	3	4
Right FF				
Left FF				
Right HF				
Left HF				
Tail/Cloaca				
Seam/Scute				

Comments: Flat Plastron  
P.C. in the mouth