

## TCOT GENETIC SAMPLING DATA SHEET

Please complete this data sheet whenever taking a genetic sample. Give the sample a unique code and write the sample code ***in pencil*** on a slip of paper. Insert the slip into the vial with the sample and mark the vial with sample code. Please store this master and send a copy of this sheet with the sample. While tissue samples in TCOT vials can be stored at room temperature, please store samples in a refrigerator when possible.

**SAMPLING PROTOCOL** - Sample only from fresh specimens when the location and approximate date of capture is known.

**Live turtles** - the biopsy punches should only be used on live turtles. Take skin samples from the soft skin around the limbs. Cut a shallow, circular incision with the punch and slice off the circular sample of the surface of the skin using a scalpel. Immediately place the sample in a vial. Safely discard the scalpel after use. Thoroughly boil and re-use the biopsy punch.

**Dead turtles** - take muscle or skin samples of at least 1cm<sup>2</sup> using a sterile scalpel. Immediately place the sample in a vial. Safely discard the scalpel after use.

For more information on genetic sampling and measuring, refer to FitzSimmons et al and Bolton in *Eckert, K. L., K. A. Bjorndal, F. A. Abreu-Grobois & M. Donnelly (Editors) 1999. Research and Management Techniques for the Conservation of Sea Turtles. IUCN/SSC Marine Turtle Specialist Group Publication No.4.*

### SAMPLE CODE:

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b><br><br><br><b>Address</b><br><br><br><b>Telephone:</b> <b>E-mail:</b> | <b>Date sampled:</b><br><div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>Specimen</b><br/>                 Alive <input type="checkbox"/>                      or                      Dead <input type="checkbox"/> </div> <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>Species</b> (if known)             </div> <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>Sex</b><br/> <input type="checkbox"/>                      <input type="checkbox"/>                      <input type="checkbox"/><br/>                 Male                      Female                      Unknown<br/>                 If known, how was sex determined?             </div> |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### BIOMETRIC MEASUREMENTS

(Please record as much information as possible. See diagram on reverse for CCLn-t/ SCLn-t measurement points)

| Curved carapace length<br>CCLn-t (cm) | Curved carapace width<br>CCW (cm) | Straight carapace length<br>SCLn-t (cm) | Straight carapace width<br>SCW (cm) | Front flipper length<br><small>(cm-wrist to flipper tip along leading edge)</small> | Straight plastron length<br>PL (cm) | Head width<br><small>(cm-measure at the widest point)</small> |
|---------------------------------------|-----------------------------------|-----------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------|
|                                       |                                   |                                         |                                     |                                                                                     |                                     |                                                               |

### GENETIC SAMPLING DETAILS

|                                                                 |                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------|
| <b>Location sampled</b> (give coordinates for released turtles) | <b>Body part sampled</b> (also indicate on diagram on reverse) |
|-----------------------------------------------------------------|----------------------------------------------------------------|

### TAGGING DETAILS

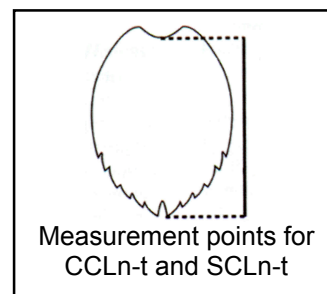
| Had the turtle previously been...                                                          | Tag location | Tag number and type | On sampling, was the turtle...                                                             | Tag location | Tag number and type |
|--------------------------------------------------------------------------------------------|--------------|---------------------|--------------------------------------------------------------------------------------------|--------------|---------------------|
| <b>... flipper tagged?</b><br><br>Yes <input type="checkbox"/> No <input type="checkbox"/> |              |                     | <b>... flipper tagged?</b><br><br>Yes <input type="checkbox"/> No <input type="checkbox"/> |              |                     |
| <b>...PIT tagged?</b><br><br>Yes <input type="checkbox"/> No <input type="checkbox"/>      |              |                     | <b>...PIT tagged?</b><br><br>Yes <input type="checkbox"/> No <input type="checkbox"/>      |              |                     |

### TURTLE CAPTURE DETAILS

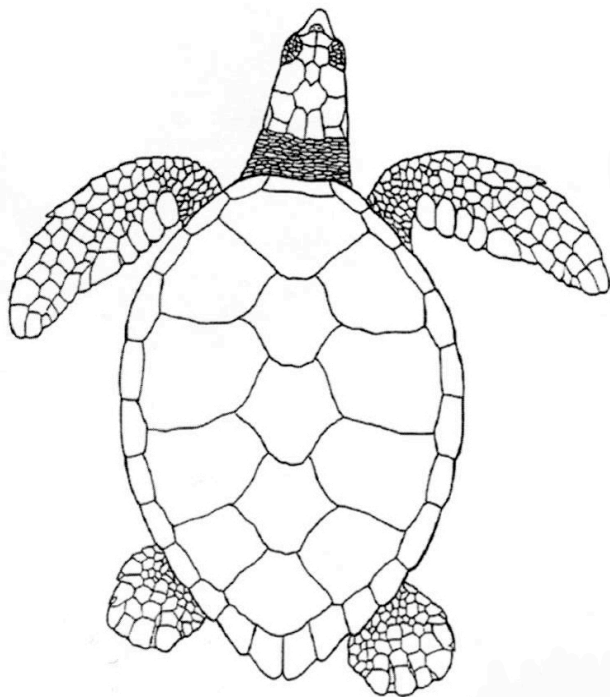
|                                                                                            |                                                                                                              |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Date of capture:</b>                                                                    | <b>Method of capture:</b>                                                                                    |
| <b>Who captured the turtle?</b>                                                            | <b>Habitat type where turtle was captured:</b>                                                               |
| <b>Location where turtle was captured</b><br><small>(include coordinates if known)</small> | <b>Fate of turtle</b><br><small>(if harvested for consumption, include details of final destination)</small> |

***Write any extra notes on reverse side***

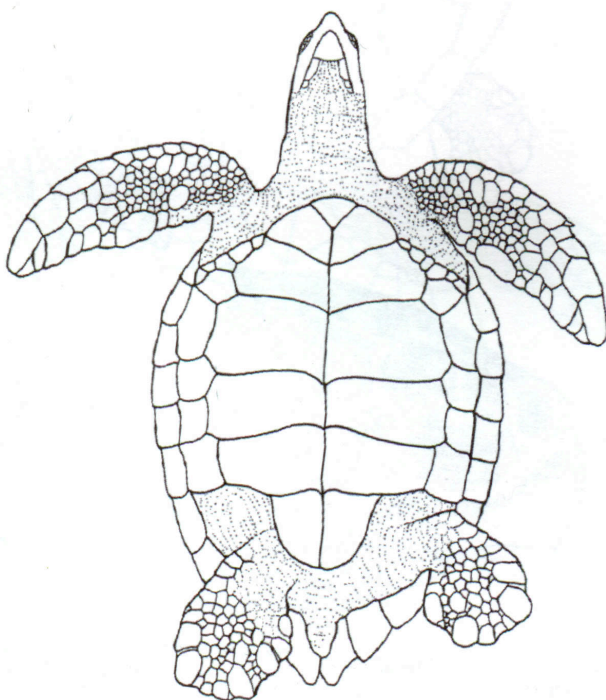
**Please indicate genetic sample site on turtle diagram as well as sites of tags/ evidence of disease or damage/ presence of epibionts and record other relevant notes.**



**Dorsal view**



**Ventral view**



Diagrams from Eckert, K.L., K. A. Bjorndal, F. A. Abreu-Grobois & M. Donnelly (Editors) 1999. *Research and Management Techniques for the Conservation of Sea Turtles*. IUCN/SSC Marine Turtle Specialist Group Publication No.4.