

## SUPPLEMENTAL INFORMATION

# LOCAL ECOLOGICAL KNOWLEDGE SUPPORTS IDENTIFICATION OF SEA TURTLE NESTING BEACHES IN PANAMA

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**INTERVIEW FORM S1.** Interview used to quantify Local Ecological Knowledge about Leatherback Turtles (Baula; *Dermochelys coriacea*), as well as other sea turtles, along the southwest coast of the Azuero Peninsula, Panama.

Date: \_\_\_\_\_  
Corregimiento: \_\_\_\_\_  
District: \_\_\_\_\_  
Interviewer's name: \_\_\_\_\_

### Section 1. Personal data of the Interviewee

1. Age: \_\_\_\_\_
2. Sex: \_\_\_\_\_
3. Place of residence: \_\_\_\_\_
4. Source of income: \_\_\_\_\_

### Section 2. Information provided by the Interviewee

5. Have you seen a Baula sea turtle anytime in your life? \_\_\_ Yes \_\_\_ No
6. When was the last time you observed a Baula? \_\_\_ years ago, \_\_\_ months ago, \_\_\_ days ago
7. At what time of the year it is most frequent to observe?
8. Do you know this sea turtle by other local name? which one?
9. In which place did you observe this turtle? please provide a name.
10. Did you observe it swimming or nesting on the beach?
11. Did you observe any special behavior of this turtle in particular?
12. At what time of the year did you observe this turtle nesting on the beach?
13. It was more common to observe this turtle before than now? \_\_\_ Yes, \_\_\_ No
14. Do you know whether or not this species is locally consumed and which part is consumed?
15. What other species of sea turtles have you observed and where?
16. Did you observe these species swimming or nesting on the beach?
17. At what time of the year are they most frequent to observe?

**TABLE S1.** General description and vegetation of beaches surveyed for sea turtle nesting activity along the southwest coast of the Azuero Peninsula, Panama.

Beach	Description	Vegetation
Cacajilloso	A very long black to gray sandy beach with certain amount of pebbles at the Playita river mouth limiting the extreme south part.	<i>Cocos nucifera</i> , <i>Terminalia catappa</i> , wide areas covered by <i>Canavalia rosea</i> , <i>Sphagneticola trilobata</i> and some grasses
El Gato	A short black sandy beach with a line of no continuous trees and palms up to 15 m high and some shrubs.	<i>Cocos nucifera</i> , <i>Terminalia catappa</i> , <i>Hippomane mancinella</i> , <i>Amphitecna latifolia</i> , <i>Talipariti tiliaceum</i> , isolated trees of <i>Manguijera indica</i> , <i>Pachira quinata</i> , <i>Sterculia apetala</i> , <i>Cavanillesia platanifolia</i>
Sandillal	A short white sandy beach, surrounded by rocky promontories at both extremes, conforming a small bay.	<i>Terminalia catappa</i> , <i>Cocos nucifera</i> , <i>Talipariti tiliaceum</i>
Colorado 2	A beach composed of three sections with black sand and considerable amount of pebbles to the west.	<i>Terminalia catappa</i> , <i>Cavanillesia platanifolia</i> , <i>Sphagneticola trilobata</i> , some patches of <i>Talipariti tiliaceum</i>
Sierra	A black and brown color beach with the Sierra river mouth located at the middle of the beach. Pebbles at the middle and southeast part of the beach.	<i>Cocos nucifera</i> , <i>Terminalia catappa</i> , isolated trees of <i>Cavanillesia platanifolia</i> , some areas dominated by <i>Canavalia rosea</i> and <i>Sphagneticola trilobata</i>
Granada	A short black sandy beach limited at each extreme by rocky promontories and the mouth of Granada river to the east	<i>Cocos nucifera</i> , <i>Terminalia catappa</i> , a dense cover of <i>Talipariti tiliaceum</i>
Frijoles	A small gray sandy beach with few pebbles and the mouth of river Frijoles to the east	<i>Hippomane mancinella</i> , <i>Talipariti tiliaceum</i> , some grasses
Verde	A small gray sandy beach with certain amount of pebbles at the east side	<i>Terminalia catappa</i> , <i>Canavalia rosea</i> , some grasses
Horcones	A black sandy beach that lacks vegetation in most of its extension and wire fences separate beach front lots	Cactus trees, <i>Terminalia catappa</i> , <i>Cocos nucifera</i>



Beach	Date	Non-nesting					Nesting				
		Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #	Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #
El Gato	05 Mar 2018	Lo	57				Cm	90	86	70	
El Gato	05 Mar 2018						Cm	88	83	77	
El Gato	26 Mar 2018	Cm	100				Cm	124	99	92	
El Gato	26 Mar 2018	Cm	98								
El Gato	26 Mar 2018	Cm	102								
El Gato	26 Mar 2018	Cm	93								
El Gato	26 Mar 2018	Cm	100								
El Gato	26 Mar 2018	Cm	100								
El Gato	26 Mar 2018	Cm	80								
El Gato	26 Mar 2018	Cm	114								
El Gato	26 Mar 2018	Cm	113								
El Gato	26 Mar 2018	Cm	97								
El Gato	26 Mar 2018	Cm	85	93	85						
El Gato	27 Mar 2018	Cm	82	93	85						
El Gato	27 Mar 2018	Cm	94								
El Gato	28 Mar 2018	Cm	93								
El Gato	28 Mar 2018	Cm	98								
El Gato	28 Mar 2018	Cm	90								
El Gato	28 Mar 2018	Cm	92	93	89						
El Gato	29 Mar 2018	Cm	85								
El Gato	29 Mar 2018	Cm	90								
El Gato	06 Apr 2018						Cm	104	99	94	GL976
El Gato	06 Apr 2018						Cm	88	89	76	GL977



Beach	Date	Non-nesting					Nesting				
		Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #	Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #
El Gato	14 Feb 2019	Cm	117								
El Gato	14 Feb 2019	Cm	80								
El Gato	14 Feb 2019	Cm	84								
El Gato	14 Feb 2019	Cm	74								
El Gato	14 Feb 2019	Cm	79								
El Gato	14 Feb 2019	Cm	90								
El Gato	14 Feb 2019	Cm	95								
El Gato	14 Feb 2019	Cm	86	85	84	GL981					
El Gato	15 Feb 2019	Cm	93	96	86	GL983					
El Gato	16 Feb 2019	Cm	87	83	82	GL984					
El Gato	17 Feb 2019	Cm	103								
El Gato	15 Mar 2019	Cm	104	88	80	GL985	Cm	95	91	89	GL986
El Gato	15 Mar 2019	Cm	110	100	96	GL988					
El Gato	15 Mar 2019	Cm	85	80	74	GL987					
El Gato	16 Mar 2019	Cm	84								
El Gato	16 Mar 2019	Cm	87								
El Gato	16 Mar 2019	Cm	100								
El Gato	16 Mar 2019	Cm	84								
El Gato	16 Mar 2019	Cm	90	80	82	GL989					
El Gato	16 Mar 2019	Cm	85								
El Gato	16 Mar 2019	Cm	90	79	79	GL990					
El Gato	16 Mar 2019						Lo	76	72	66	
El Gato	17 Mar 2019						Cm	92			

Beach	Date	Non-nesting					Nesting				
		Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #	Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #
El Gato	09 Apr 2019	Lo	69	65	71						
El Gato	10 Apr 2019	Lo	83				Cm	91			
El Gato	10 Apr 2019	Lo	78								
Frijoles	13 Mar 2018						Cm	90			
Granada	13 Nov 2018						Lo	75	68	70	
Granada	13 Nov 2018						Lo	66			
Granada	14 Nov 2018						Lo	79	63	68	
Granada	14 Nov 2018						Lo	81	69	69	
Granada	14 Nov 2018	Lo	70				Lo	65			
Sierra	15 Mar 2018	Cm	90								
Sierra	14 Dec 2018	Cm	92	90	86	GL978	Cm	78			
Sierra	14 Dec 2018						Cm	96			
Sierra	14 Dec 2018						Cm	104			
Sierra	14 Dec 2018						Cm	102			
Colorado 2	19 Sep 2018	Lo	58				Lo	70			
Colorado 2	19 Sep 2018	Lo	62				Lo	64			
Colorado 2	19 Sep 2018						Lo	68			
Colorado 2	19 Sep 2018						Lo	72			
Colorado 2	20 Sep 2018						Lo	75	62	64	
Colorado 2	20 Sep 2018						Lo	60			
Verde	05 Oct 2018						Lo	88	68	72	
Verde	05 Oct 2018						Lo	63			
Verde	05 Oct 2018						Lo	80			

Beach	Date	Non-nesting					Nesting				
		Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #	Species	Track width (cm)	CCL (cm)	CCW (cm)	Inconel tag #
Verde	07 Oct 2018	Lo	76								
Horcones	12 Nov 2018	Lo	75			Lo	70				
Horcones	12 Nov 2018					Lo	74	62	64		
Horcones	13 Nov 2018	Lo	67			Lo	70				
Horcones	13 Nov 2018					Lo	68				
Sandillal	12 Feb 2019	Cm	91								
Sandillal	13 Feb 2019					Cm	79	87	72	GL979	