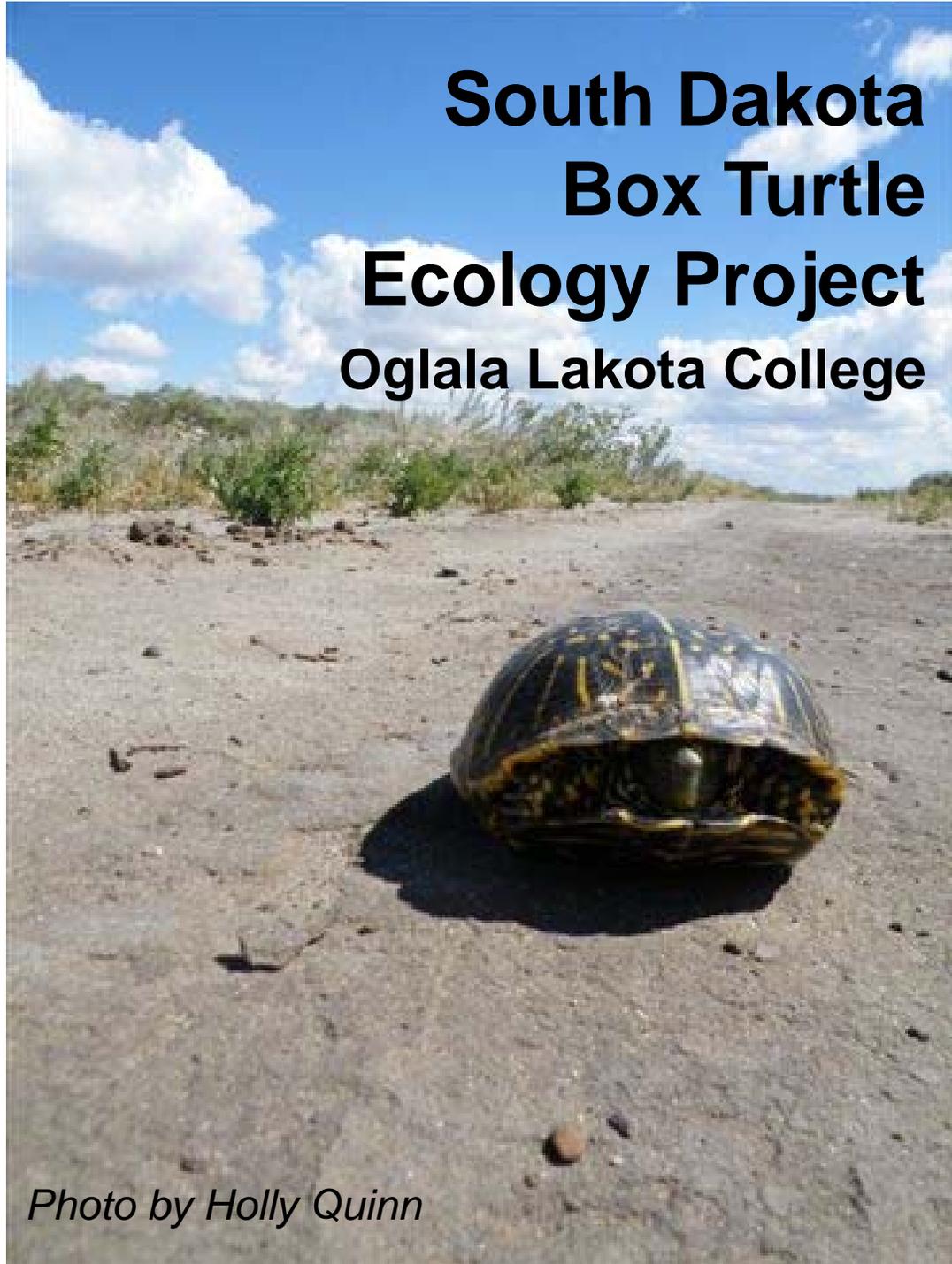


**South Dakota  
Box Turtle  
Ecology Project  
Oglala Lakota College**



*Photo by Holly Quinn*

***... With Emphasis On Reproduction And Growth***



**Hugh Quinn, Holly Quinn, Alessandra Higa**  
*Rebecca Bingham, Osceola Blue Horse, Wendy Greene, Michelle  
LeBeau, Requaw Pavy, and Sheronne White*



***Also starring Sparky***

# Home Range, Movements, and Activity Patterns





# Habitat Use





# Population Density



Hibernation





# South Dakota Range Prediction



# Injuries and Threats



# Student Training



A close-up profile photograph of a turtle's head, facing right. The turtle has a prominent red eye with a black pupil. Its head is covered in scutes, and its shell is visible on the left side, showing a pattern of dark and light brown scutes. The background is a blurred natural setting with green and brown tones.

# Reproduction and Growth

*Sex ratio: 0.97 Males:  
1.00 Females: 0.49  
Juveniles*





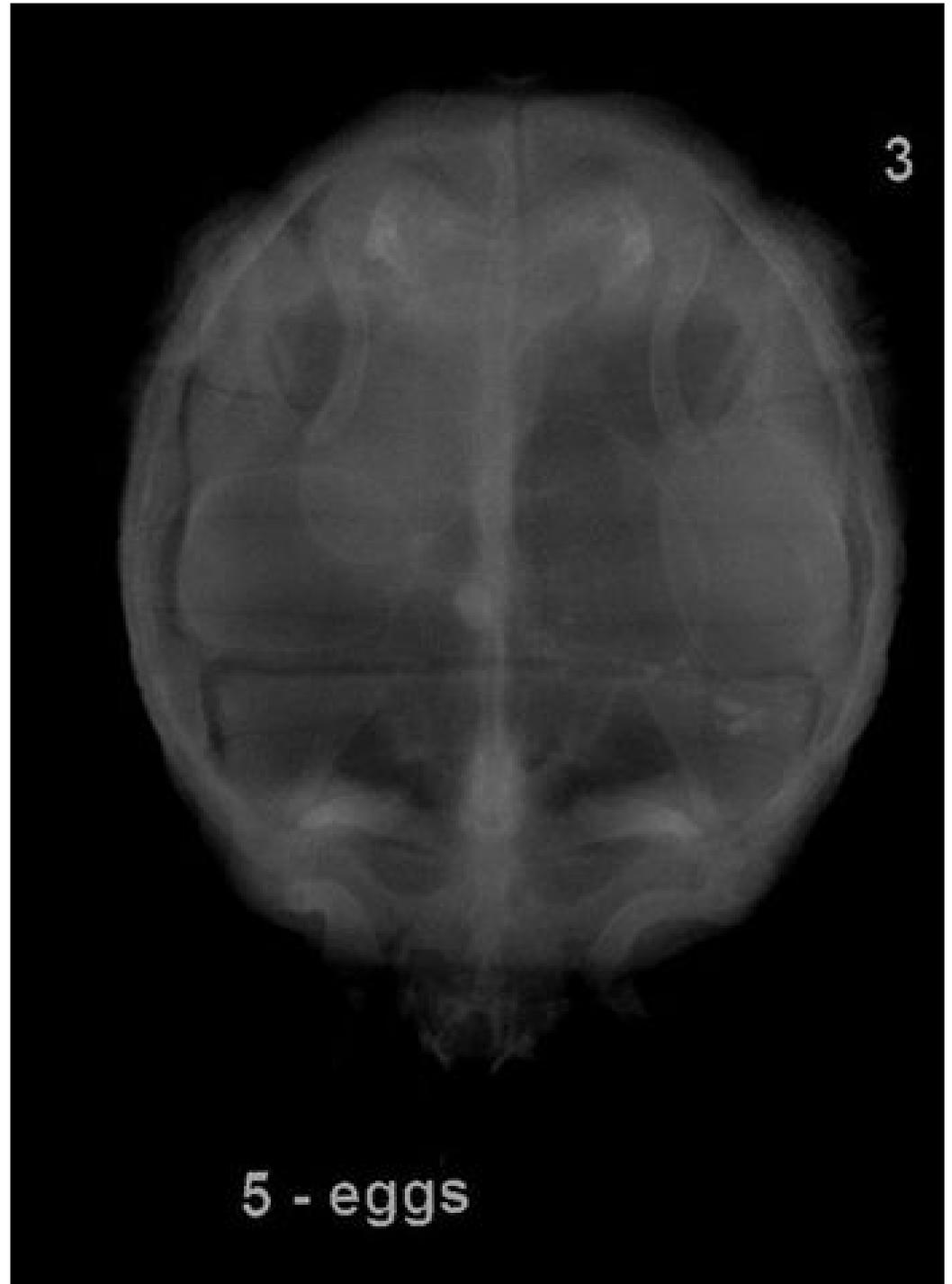


# Copulation

*Observed April  
Through  
September*

## **EGGS**

- *11 Females x-rayed  
7 June*
- *7 had eggs (64%)*
- *Clutch sizes 2 – 5,  
average 4.3*



*Eggs Laid 15 – 16  
June*

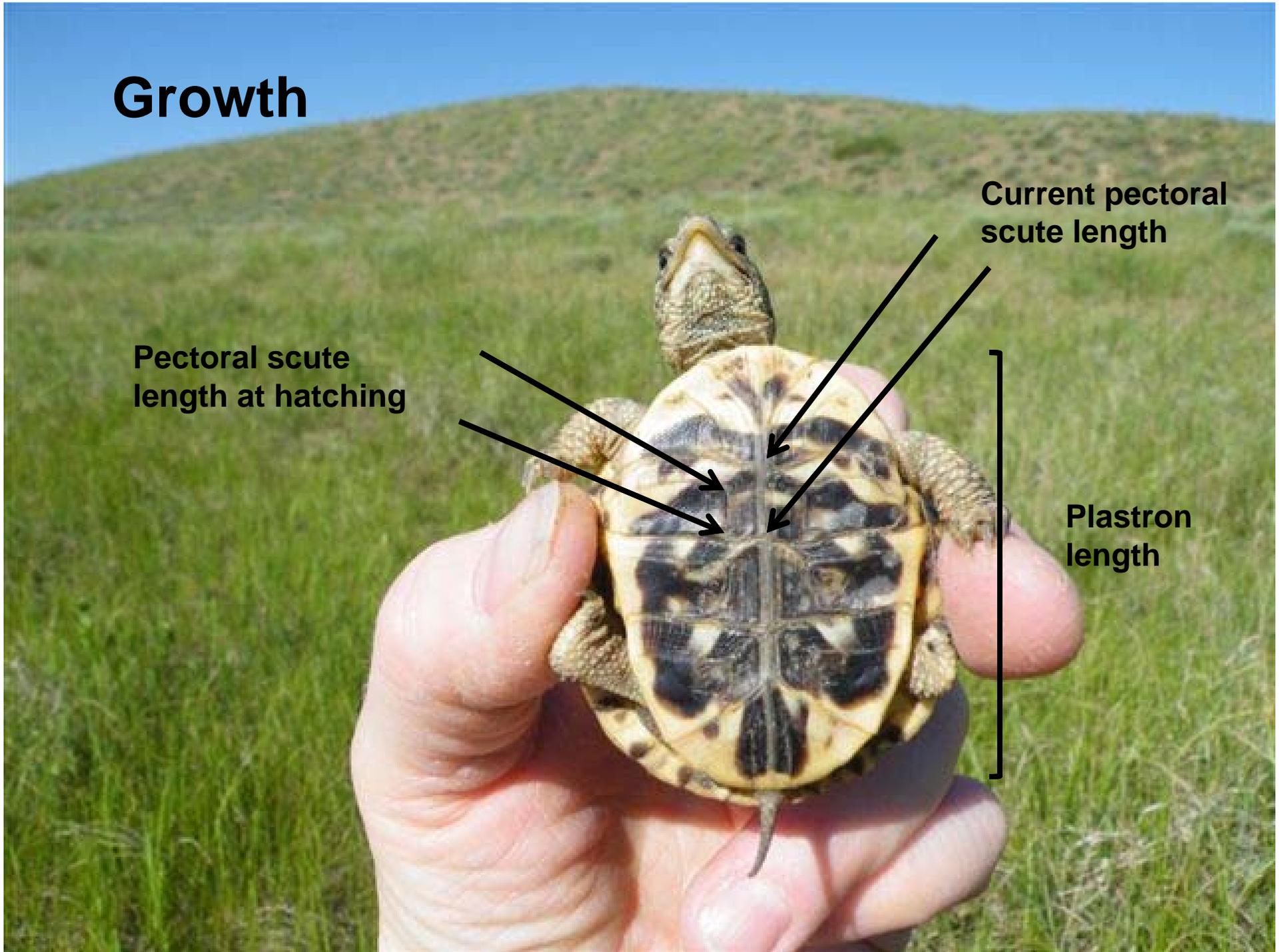


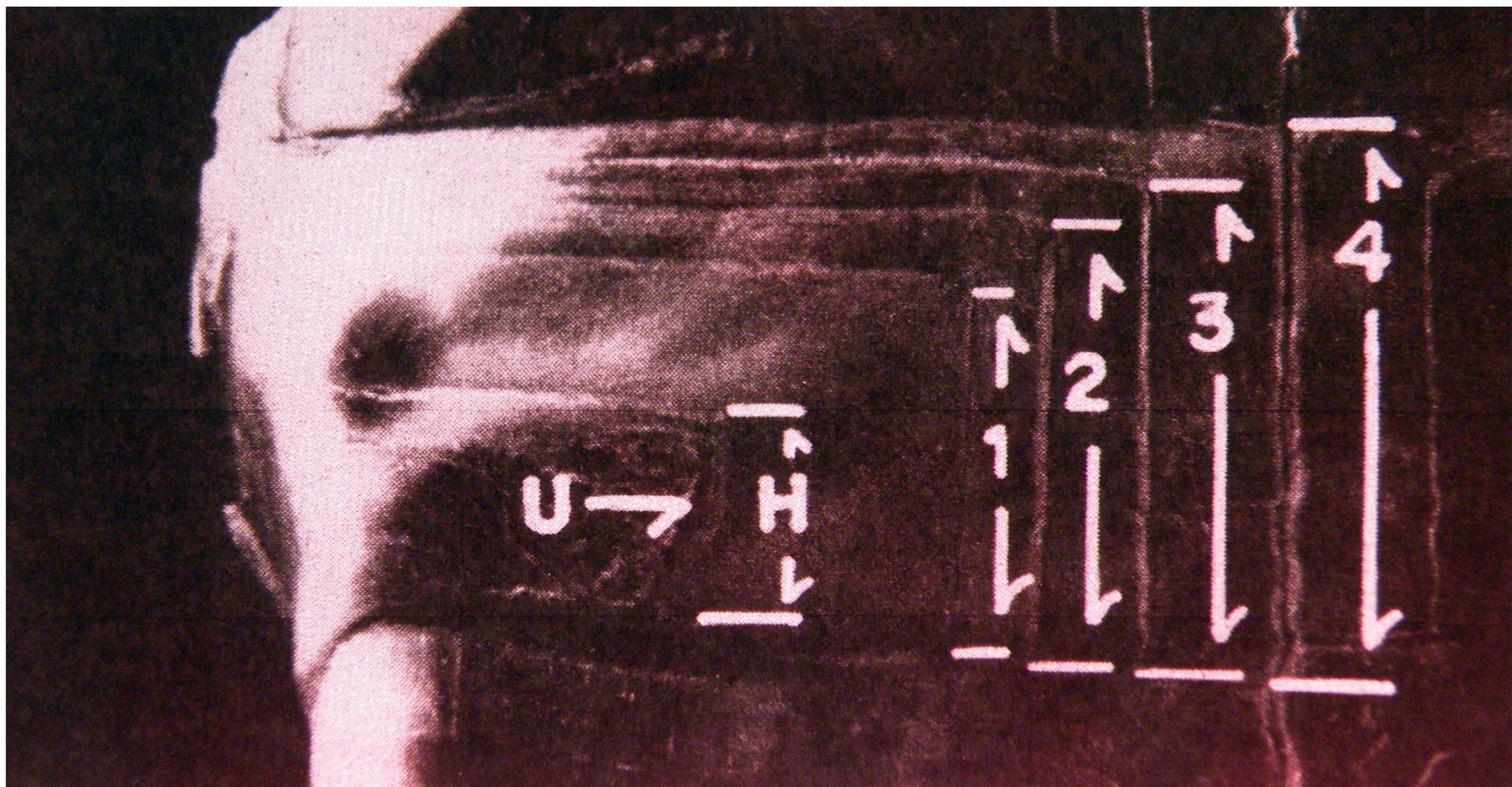
# Growth

Pectoral scute length at hatching

Current pectoral scute length

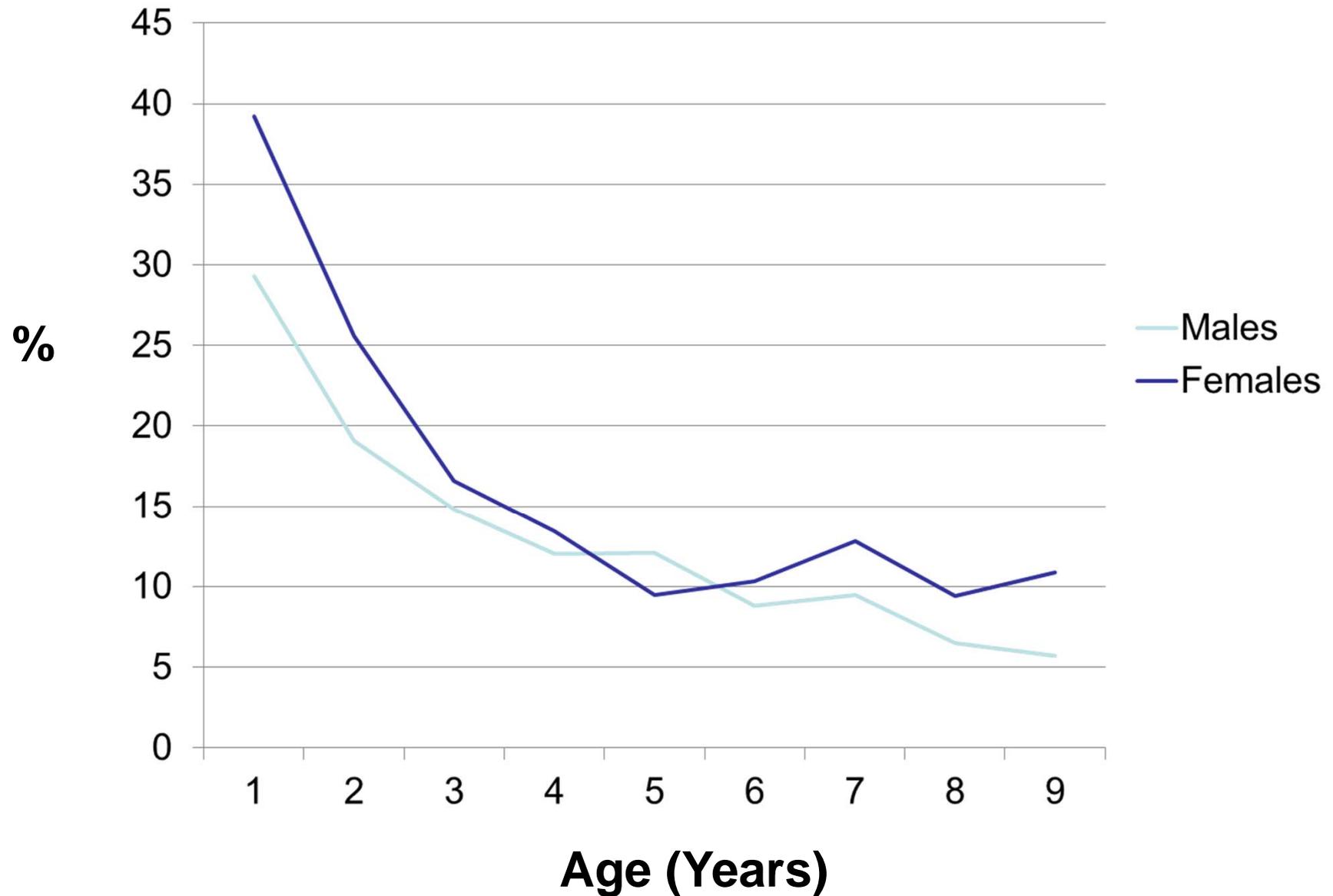
Plastron length





<b>Age</b>	<b>Male Mean Plastron Length (mm) (n)</b>	<b>Female Mean Plastron Length (mm) (n)</b>
H	33.9 (13)	29.6 (9)
1	43.8 (13)	39.2 (9)
2	52.2 (12)	49.3 (8)
3	59.9 (12)	57.5 (7)
4	67.1 (12)	65.2 (7)
5	75.2 (11)	71.3 (7)
6	81.7 (10)	78.7 (8)
7	89.5 (10)	88.8 (8)
8	95.3 (8)	97.1 (8)
9	100.8 (6)	107.7 (7)
10	99.6 (2)	103.4 (1)
11	107.3 (1)	104.7 (1)
12	-----	120.5 (1)

# ***Percent Increase In Plastron Length***



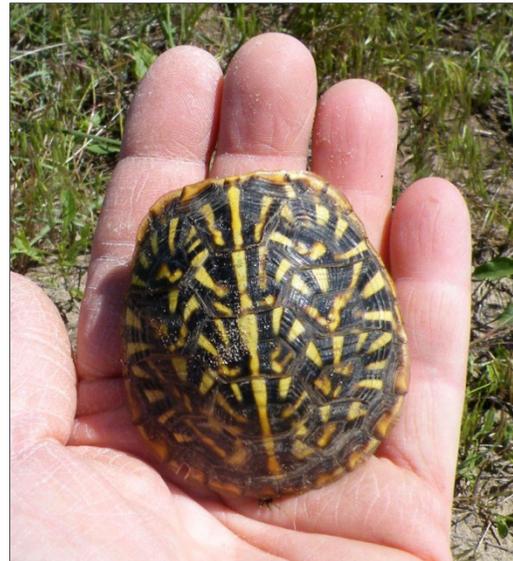
**Both Sexes Mature By  
Age 9 (and also like  
strawberries)**

*Males 103.3 mm  
Females 110 mm*



# Acknowledgements

- SD Game, Fish and Parks
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- Oglala Sioux Parks and Recreation Authority
- Oglala Lakota College
- Curtis Temple





**To Be Continued....**