FACIAL MALFORMATIONS ON 2013 MONTANA HUNTER-KILLED PRONGHORN ANTELOPE

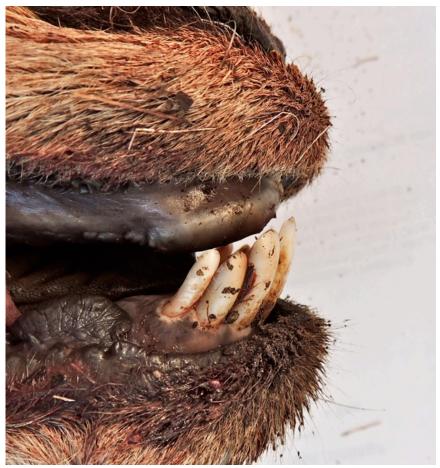
Photographed by Judy Hoy, Independent Wildlife Researcher 2858 Pheasant Lane, Stevensville, MT 59870 ©2013 by Judy Hoy. All rights reserved.



This is a photo of the side view of an adult hunter-killed antelope showing a completely normal bite, with all of the incisors contacting the dental pad and with even wear on the tops of the incisors, for comparison with 2013 antelope.



This is a cleaned doe antelope skull with a normally developed premaxillary bone and a normal bite. Note that the lower incisors do not go forward of the anterior of the premaxillary bone when the molars are meshed. This photo was found on the internet.



#1-13 Pronghorn antelope, hunter-killed male, side view of underbite +3 mm.



#1-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.2 cm Incisor width = 3.7 cm. Difference = 5 mm.



#2-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.



#2-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.5 cm Incisor width = 3.9 cm. Difference = 5 mm.



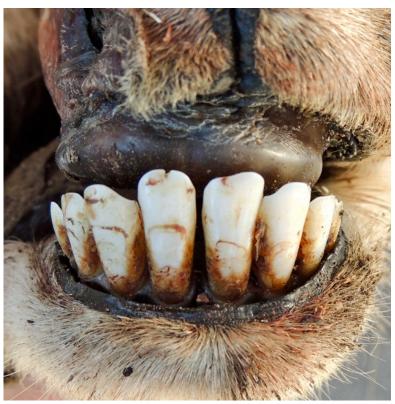
#3-13 Pronghorn antelope, hunter-killed male, showing side view of bite 0 mm.



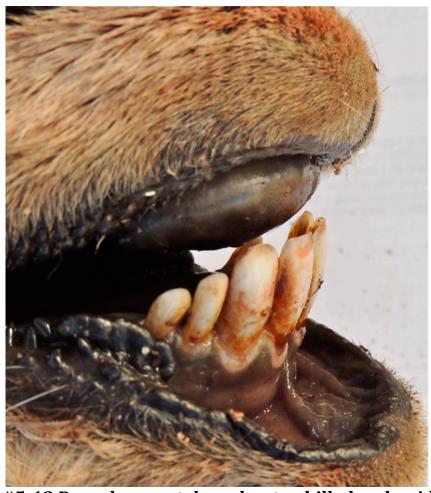
#3-13 Pronghorn antelope male, front view of bite and incisors even with the dental pad. Pad width = 3.7 cm Incisor width = 3.7 cm. Difference = 0 mm.



#4-13 Pronghorn antelope, hunter-killed male, side view of underbite +3 mm.



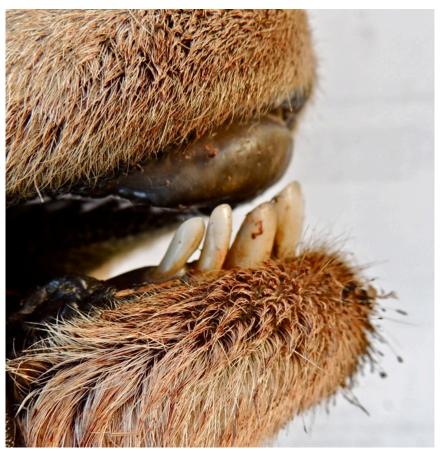
#4-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.3 cm Incisor width = 3.6 cm. Difference = 3 mm.



#5-13 Pronghorn antelope, hunter-killed male, side view underbite +2 mm.



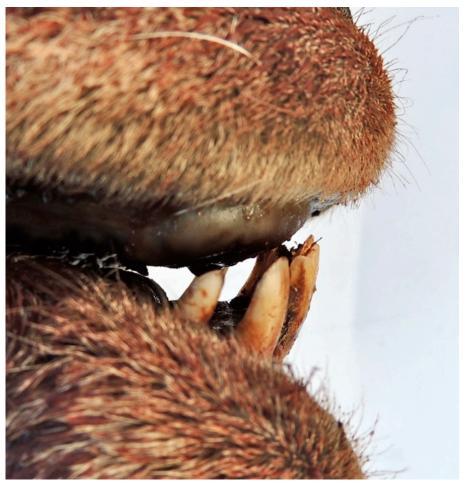
#5-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.3 cm Incisor width = 3.6 cm. Difference = 3 mm.



#6-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.



#6-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.1 cm Incisor width = 3.5 cm. Difference = 4 mm.



#7-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.



#7-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.5 cm Incisor width = 3.6 cm. Difference = 1 mm.



#8-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.



#8-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.3 cm Incisor width = 3.6 cm. Difference = 3 mm.



#9-13 Pronghorn antelope, hunter-killed male, side view of underbite +6 mm.



#9-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.0 cm Incisor width = 3.8 cm. Difference = 8 mm.

#10-13 Pronghorn antelope male, hunter-killed, no photo taken.

Underbite +2 mm.

Incisors were even in width with the dental pad.

Pad width = 3.2 cm Incisor width = 3.2 cm. Difference = 0 mm.

6 other male pronghorn antelope were not measured, but bite was checked.

3 normal bite 3 underbite 0 overbite

Total hunter killed pronghorn antelope examined November 22, 2013 = 16

- **4 Normal 25%**
- 12 Brachygnathia Superior 75%
- 0 Mandibular Brachygnathia 0%