

Sinus Tumors of Bighorn Sheep

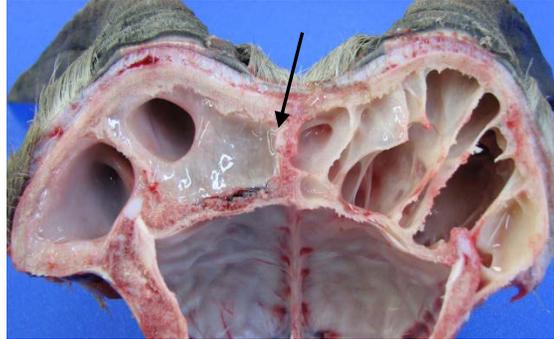
What is this disease?

- Tumors grow from the lining of the sinuses in the:
 - Forehead
 - Horns
 - And above the teeth
- Tumors typically cannot be seen from the outside of the head
- Destroys bone, produces thickened sinus lining, gelatinous tissue, mucus and pus
- Unknown cause, but likely an infectious disease that is spread between sheep
- Found in all 3 subspecies of bighorn sheep and in herds from at least 6 states, including Nevada
- No known human health risk

Why is this disease important?

- Can cause skull and horn Deformities
- Impairs respiratory function and may contribute to respiratory disease that threatens bighorn herds.

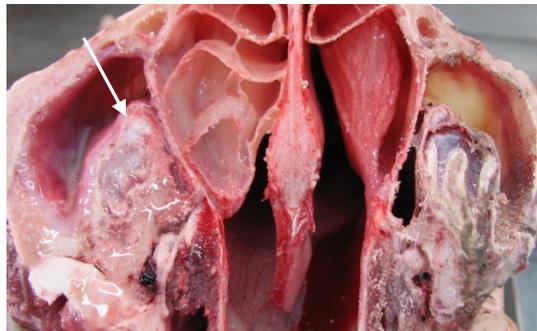
In the forehead – note loss of bone structure & gelatinous tissue & thick membrane:



In the horns:



Above the teeth – note mucous and thick membrane:



How can you help?

Ewe Hunters: Donate your ewe skull for research if you are not doing a mount. Leave the head when you check in your ewe. If you are doing a mount, ask your taxidermist to please freeze the portion of the head that they would normally throw away.

Ram Hunters: Ask your taxidermist to please freeze the portion of the head that they would normally throw away.

Sample collection does **not** interfere with taxidermy.

Samples will be used to search for the cause of this new disease and to determine how many herds in Nevada may be infected. We will also screen heads for other respiratory pathogens.

**Thank you
for your participation in this
important research!**

For more information contact:

Dr. Peregrine Wolff
Nevada Department of Wildlife
(775) 353-3753
pwolff@ndow.org



**Bighorn Sheep Seminar
Class Schedule
2016**

LAS VEGAS

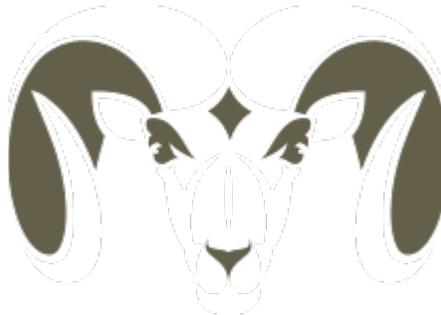
Date: Saturday, 8/13/16
Location: Clark County Shooting
Park Education Center
11357 N. Decatur
Boulevard
Las Vegas, Nevada
Time: 10:00 a.m. – 1:00 p.m.

RENO

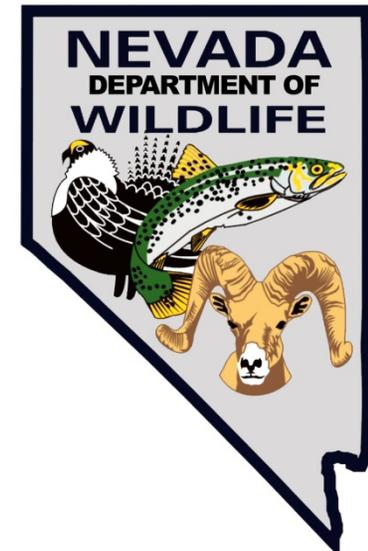
Date : Saturday, 8/20/16
Location: UNR
William J. Raggio Bldg.
Room # WRB 2030
Reno, Nevada
Time: 10:00 a.m. – 1:00 p.m.

ELKO

Date: Saturday, 8/27/16
Location: NDOW
Eastern Region Office
60 Youth Center Road
Elko, Nevada
Time: 10:00 a.m. – 1:00 p.m.



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2016