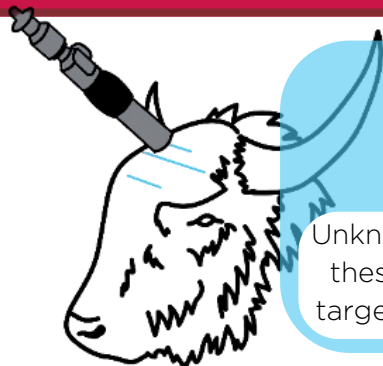


STUN PLACEMENT FOR BISON

Challenge: There are currently no scientifically evaluated stun placements for bison.

Recommended Frontal Placement

1" above the base of the horns at the midline perpendicular to the skin

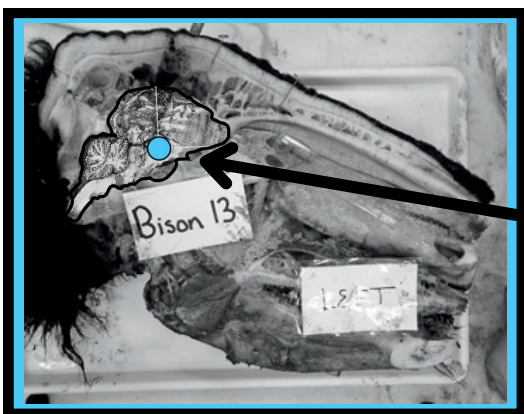


Alternate Poll Placement

Below the crest of the head angled toward the bottom of the nose

?

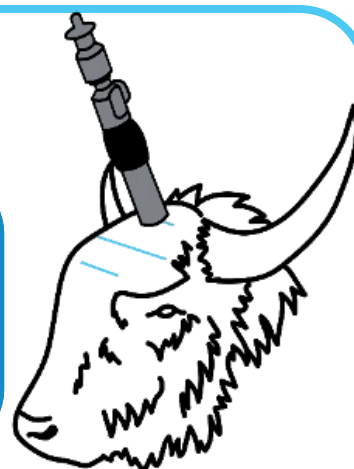
Unknown if either of these placements target the thalamus



The thalamus is the target for stunning and controls consciousness.

Ideal Placement

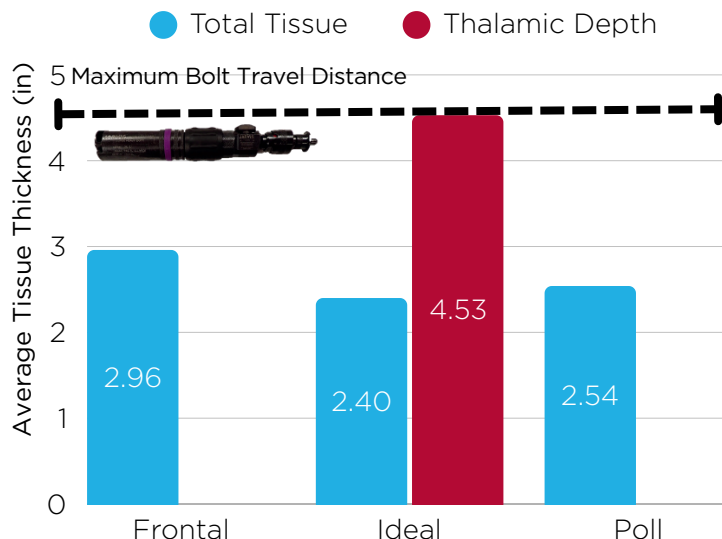
3.25" above the base of the horns at the midline perpendicular to the skin



Targets the thalamus consistently

Placement	Potential for Bolt-Thalamus Contact
Frontal	<div><div></div></div> 78.6% (11/14)
Ideal	<div><div></div></div> 100% (14/14)
Poll	<div><div></div></div> 71.4% (10/14)

Average Tissue Depths for Two- to Three-Year-Old Male Bison



Important Findings

1

The stun placement for bison is very different than cattle and yak.

2

There are currently no commercially available captive bolts that can consistently reach the thalamus in bison.