



Grant In Aid (GIA) Form

**Project Title:** Evaluating the Role of Harvest and the Environment on Weapon Size of Mountain Sheep

**Project Type:** Research  
**Waterhole/Transplant/Habitat/Research/Education/Other (Explain)**

**Affiliate:** University of Wyoming  
**Outfitter Organization/BLM/Game & Fish/Forest Service/Other (Explain)**

**Location of Project:** Wild sheep range throughout North America  
**State/Territory/Area**

**Description Of Project:**  
Our overall goal is to provide a rigorous evaluation of harvest data to evaluate long-term trends in horn size and age of mountain sheep. We are working in collaboration with state and provincial agencies throughout North America to evaluate harvest records collected by biologists to assess trends in size of horns and the underlying factors responsible for patterns in horn size.

**Problem to be Solved:**  
Understand the influence of harvest and environmental conditions on horn size of mountain sheep. Understanding how factors such as harvest, population density and climate influence horn size will shed light on the controversy of selective harvest and the influence it has on weaponry of ungulate populations.

**Describe How You Propose Solving Problem:**  
At the regional level, we will evaluate trends in size and age in collaboration with wildlife agencies across the West. Our efforts will yield a synthesized analysis of temporal patterns through time and we will evaluate how those temporal changes are affected herd-specific (e.g. harvest strategy) and key environmental (e.g. winter severity, precipitation, etc.) variables

**BIOGRAPHY OF APPLICANT**

**Name:** Kevin Monteith  
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Laramie, WY 82072

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**Are you a current member of WY-WSF?**  **Yes**  **No**




	Cost to be funded by WY-WSF Grant	Cost to be funded by other cooperators
Equipment.....	\$0	\$0
Services.....	\$5,000	\$63,750
Permanent, full time salaries will not be considered		
Publishing.....	\$0	\$5,000
Monitoring.....	\$0	\$0
Supplies.....	\$0	\$0
Please itemize then total		
Other (Specify).....	\$0	\$10,000 (Travel)
<b>Totals</b>	<b>\$5,000</b>	<b>\$78,750</b>

**OTHER ORGANIZATIONS PROVIDING FINANCIAL AID OR SUPPORT OF THE PROJECT (Include any pending amounts applied for.):**

National WSF, CA WSF, Utah Division of Wildlife Resources, Alberta WSF, Arizona Desert Bighorn Sheep Society, WY Governor's Big Game License Coalition

**ENDORSEMENT: I hereby agree to abide by the stated requirements of a WY-WSF grant. I also understand all WY-WSF funding stipulations and will provide all necessary reports if I receive a grant from WY-WSF.**

Signature of Applicant   
Title Assistant Professor Date 15 April 2017

**MEDIA CONTACTS: Please list one or more media sources in your area that we may contact with details of your project:**

- 1) Casper Star Tribune
- 2) Jackson Hole News and Guide
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_