

December 15, 2008

University of Wyoming
School of Energy Resources
2007–2008 Matching Grant Fund Request

General Information:

Principal Investigators:

Matthew Kauffman, PhD
Wyoming Cooperative Research Unit
Zoology and Physiology Department

Hall Sawyer, PhD candidate
Wyoming Cooperative Research Unit
Zoology and Physiology Department

Proposal Title: *Identifying mule deer migration routes to and from the Pinedale Anticline Project Area.*

Update for 2008

- We captured an additional 25 mule deer on December 9, 2008 and equipped them with GPS radio-collars that will collect locations every 2 hours. A portion of these collars will drop off April 1, 2009. These collars will be recovered in the spring of 2009 and data will be downloaded. These data will be used in our proposed analysis.
- We refined the proposed methods (Brownian bridge motion model) in a recent paper that is currently under peer-review at *Ecological Applications*. We expect this paper to be published in 2009.
- We presented the application and benefits of our proposed methodology at the national Wildlife Society meeting in Miami, Florida in November 2008.
- We presented the application and benefits of our proposed methodology at the state Wildlife Society meeting in Sheridan, Wyoming in November 2008.

-Mammal Report 12.31.08