**Grant Opportunity – Nevada Big Game Trophy Records Analysis**

The Nevada Department of Wildlife (NDOW) has received Federal Grant funding for the statistical analysis of trophy records for various big game species including elk, mule deer, pronghorn antelope, and bighorn sheep.

Proposals are due no later than October 1, 2025. Grant proposals and any questions should be submitted to the Nevada Department of Wildlife Staff Specialist, Cody Schroeder, cschroeder@ndow.org, 775-688-1659.

Grant Application Instructions

Please find a Scope of Work below detailing the deliverables for Analysis of factors influencing big game antler and horn trends in Nevada using NV Wildlife Record Book data

The proposal must include:

* Identification of the project manager and supporting staff (if applicable) along with a brief description of qualifications.
* Description of how the scope of work will be performed including varying approaches to what is described in the Scope of Work below.
* Detailed description of prosed statistical analysis
* An estimated budget for proposed activities. (Not to exceed a maximum of $120,000 including fringe benefits, indirect costs, stipends, travel, publication charges, and other budget items).

Grant Eligibility (must meet all of the following criteria)

* Subgrantee must have an active UEI number, or ability to obtain one.
* Subgrantee must be registered in the System for Award Management, at [www.sam.gov](http://www.sam.gov), and be in good standing, OR can obtain registration and good standing.
* NDOW will provide 25% non-federal match towards awarded federal grant funds for this project.

Scope of Work

The primary aim of this research is to explore the abiotic and biotic factors affecting antler and horn characteristics in Nevada's native ungulates, specifically elk, mule deer, pronghorn antelope, and bighorn sheep. This study intends to enhance the Nevada Department of Wildlife's (NDOW) understanding of horn and antler growth trends to improve ungulate management.

Primary Objectives:

* Analyze spatial and temporal trends in antler and horn measurements for Nevada ungulates.
* Assess general trends in quality metrics such as main beam length, horn length, mass, and base circumference.
* Correlate trends in horn and antler growth with habitat variables like Normalized Difference Vegetation Index (NDVI), shrub, tree and grass cover and other environmental factors.
* Evaluate the impact of feral horse overpopulation on habitat quality and ungulate secondary sexual characteristics.
* Use statistical models to assess relationships between horn/antler measurements and various abiotic covariates (e.g. # tags issued previous years, changes in season dates, etc)
* Conduct temporal and spatial statistical analyses to identify significant trends and correlations over a long period, using Nevada Record Book data from 1941 to the present for mule deer and 1970’s to current for other species such antelope, elk, and bighorn sheep.

Timeline:

This subgrant will be issued for a period of 1 year. It is estimated that a grant will be available for spending in the Fall of 2025 and extend through September of 2026. However, an extension may be possible with additional funding added through our Federal Grant award system.

Reporting and Dissemination:

* Prepare a final report summarizing findings and recommendations for NDOW.
* Present results at public and professional conferences.
* Publish findings in peer-reviewed journals.

Status Updates:

* Participate in monthly status checks with NDOW representatives on or around the 1st of each month to ensure project is progressing as desired.
1. Location and Description:

Statewide with focus on particular Management Areas or Hunt Units where data is available at those scales.

1. Contractor furnished property and services:

Contractor will provide all necessary equipment such as computers and statistical software for conducting this analysis.

1. Government furnished property and services:

 -No government furnished property is being provided by the Nevada Department of Wildlife.

1. Selection Process:

The winning proposal will be selected through the Nevada Department of Wildlife scoring process, outlined in the NDOW Grants Manual at <https://www.ndow.org/wp-content/uploads/2021/12/NDOW-GRANTS-MANUAL-4.17.17.pdf>.

1. Subgrant Monitor:

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| --- | --- |
| Fiscal Services Monitor: | Program Staff Monitor: |
| Alejandra Medina | Cody Schroeder |
| 6980 Sierra Center Parkway  | 6980 Sierra Center Parkway |
| Reno, Nevada 89511 | Reno, Nevada, 89511 |
| (775) 688-1402 | 775-688-1659 |
| amedina@ndow.org  | cschroeder@ndow.org |

1. Reporting:

The successful subgrantee shall be required to provide the Nevada Department of Wildlife Interim and Final Performance Reports and Interim and Final Financial Reports. Reporting deadlines and content shall be consistent with normal Federal Grant reporting requirements and will be detailed in the subgrant award.

1. Invoicing:

 All invoices shall be sent to the subgrant monitors listed above.

If the full complement objective is not met, and the vendor deems continued efforts are no longer feasible or worthwhile for the term of the contract then an invoice should be submitted for the work completed up to that point for which the Nevada Department of Wildlife has not already been invoiced.