



**NATIONAL  
CONSERVATION  
LANDS**

---

# **GSENM Science Plan Content: A Deeper Dive**

September 12, 2023

---





U.S. Department of the Interior  
Bureau of Land Management

# Welcome!

---

**Artemisia Turiya**  
**Planning and Environmental**  
**Coordinator**

Bureau of Land Management

Paria River District

669 S. Hwy 89A, Kanab, Utah 84741

435-899-1504, [aturiya@blm.gov](mailto:aturiya@blm.gov)





# Overview of this presentation

- Science Plan status update
- Science Plan content review
- Current areas for MAC input



# Science Plan status update

- ✓ Review of BLM policy and other relevant information
- ✓ Initial work with the contractor
- **Developing content areas of required and additional content**



# Review of required BLM Science Plan content

- The scientific mission of the unit
  - The scientific background of the unit
  - Identification and prioritization of management questions and science needs
  - A plan to meet the unit's science needs
  - Science program protocols, including authorizing/tracking research
  - A system to organize scientific reports to facilitate use, communication, and archive of scientific findings
  - A strategy for integrating science into management
- 
- *BLM Manual 6100 – National Landscape Conservation System*
  - *BLM Manual 6220 – National Monuments, National Conservation Areas, and Similar Designations*



# Review of additional GSENM Science Plan content

- Basic/pure and applied science: their value and centrality to GSENM
- How GSENM will raise awareness of opportunities for science
- Administration of the science program, including general identification of roles, a permitting system, etc.
- Inventory and monitoring 1) of GSENM resources and objects, 2) of science activities' on-the-ground effects, 3) applied to identification of management needs and beneficial scientific activities
- How GSENM science is tracked, inventoried, and archived
- Strategy for identification of science opportunities on GSENM



# Purpose of a Science Plan

Provide direction for administration of the GSENM science program, including

- Administrative tasks
- Clarification of anticipated GSENM monitoring and research
- Application of science to management



# Current areas for MAC input

At this stage, BLM welcomes input from the MAC on the following:

- Portraying GSENM as the flagship for BLM science
- Raising broad awareness of GSENM science
- Integrating GSENM science into management
- Using citizen science





# Portraying GSENM as the flagship for BLM science

- What does “flagship” really mean? What are the aspects of GSENM that make it so?
- What are the audiences for this message? For example, certain stakeholders, government entities...
- What tools and venues can be used to convey this?
- Other ideas?



# Raising broad awareness of GSENM science

- What are the important parties/audiences that may benefit from GSENM monitoring and research science and should therefore be aware of it? For example, national science organizations, other BLM units...
- What tools and venues can be used to convey this? For example, symposia...
- Other ideas?



# Integrating GSENM science into management

- At what levels of management and/or planning might this occur? For example, formal adaptive management, project-level planning...
- By what pathways might this occur? For example, meetings, assigned roles and responsibilities...
- What tools and venues can be used to convey this?
- Other ideas?



# Using citizen science

Citizen science can take many forms, including involvement in research labor, data provision, etc.

- How can such opportunities benefit researchers, project proponents, and participants?
- Who are potential participants in citizen science? For example, volunteer groups...
- What tools and venues can be used to build interest in and capacity for this? For example, partnerships, trainings...
- Other ideas?



# Thank you for your contributions!

- ❖ The GSENM science plan is a work in progress
- ❖ BLM appreciates your creative and insightful participation
- ❖ The final plan should serve as guidance for the GSENM Science Program and support the overall goals and purposes of the Monument



U.S. Department of the Interior  
Bureau of Land Management

# Your Questions?

---

**Artemisia Turiya**  
**Planning and Environmental**  
**Coordinator**

Bureau of Land Management, Paria River  
District

669 S. Hwy 89A, Kanab, Utah 84741

435-899-1504, [aturiya@blm.gov](mailto:aturiya@blm.gov)

