

# WHAT'S THE WEATHER?

## *The Montana Mesonet on the CSKT Bison Range*



Static Dissipator  
(lightning)

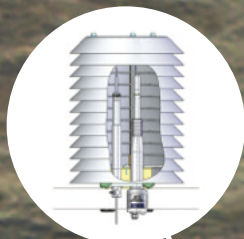


Wind Monitor



Cellular Antenna

Relative Humidity/  
Temperature

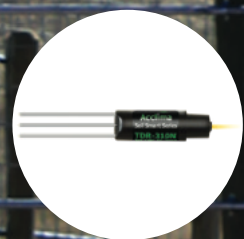


Solar Radiation



Camera

Solar Panel



Soil Moisture  
(underground)

Precipitation



Snow Depth

The CSKT collaborated with the Montana Climate Office to install a climate-grade weather monitoring station on the Bison Range. This station is part of the Montana Mesonet, which provides real-time data on weather, soil moisture, and snowpack across Montana.

The data collected by this station improves drought monitoring, flood forecasting, and climate adaptation planning on the Flathead Reservation. Through this project, the CSKT are strengthening their climate resilience, safeguarding cultural heritage, and ensuring the long-term wellbeing of this unique ecosystem.



Photos: MCO

### Key Facts

- Installed at the Bison Range in May 2023.
- Supports agriculture and livestock management, as well as natural resource stewardship.
- Enables Bison Range managers to use data for planning restoration and research projects.
- Publicly accessible through the Montana Climate Office's Mesonet Dashboard.
- Designed to have a minimal environmental footprint.



THE  
BISON  
RANGE



The  
Wilderness  
Society



SALISH KOOTENAI  
COLLEGE



Montana  
Climate  
Office



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