The Ranchers Stewardship Alliance Mapping with Maida Resources Document

Mapping with Maida Virtual Classroom. January 2026.

The Rangeland Analysis Platform **Production Explorer**

Overview: The Production Explorer mapping platform analyzes the Rangeland Analysis Platform's 16-day rangeland production data to assess current and historical vegetation departures from long-term averages to support stocking rate decisions. Users can import spatial files such as KMLs or draw polygons directly in the map to track pasture-specific production trends.

Link: https://jornada-data.shinyapps.io/production-explorer/

The Rangeland Analysis Platform **Vegetation Web Map**

Overview: The vegetation cover mapping platform enables detailed analysis of rangeland dynamics by annually tracking and mapping vegetation cover across the United States. Users can import spatial files such as shapefiles or draw polygons directly in the map to track pasture-specific vegetation trends in percent cover.

Link: https://rangelands.app/rap/?landcover_t=pfg&ll=39.0000,-98.0000&z=5

Stock Smart

Overview: The Stock Smart application allows users to visualize livestock terrain use by defining animal distribution related to water and slope, and calculate pasture specific production trends. Stock Smart uses the Rangeland Production Monitoring Service to calculate vegetation production over time and across the landscape. Users can import spatial files such as KMLs or draw polygons directly in the map to track pasture-specific production trends.

Link: https://www.stock-smart.com/

Montana Cadastral

Overview: The Montana State Library hosts an interactive cadastral map for finding and viewing property information across the state of Montana. Users can search by geocode, owner, address, assessment code, or subdivision, explore parcels by zooming in on the map, and view or print detailed information for selected properties.

Link: https://svc.mt.gov/msl/cadastral/?page=Map

Montana LiDAR Inventory

Overview: The Montana State Library hosts an interactive LiDAR mapping inventory page, where you can view and download high resolution elevation maps. LiDAR (which stands for light detection and ranging) is a remote sensing technology that uses hundreds of thousands of pulses of light to measure distance with high accuracy. The final maps derived by LiDAR reveal Montana landscapes in ways that have previously been unseen, as we have elevation maps that are accurate to 4 to 10 inches tall.

Link:
https://experience.arcgis.com/experience/59eb1cfca29445a0ae04655379c314e9/page/View%2C-Download%2C-and-Request-Data

Montana DNRC Water Rights Query System

Overview: The Montana Department of Natural Resources & Conservation Water Rights Query System is a user-friendly mapping tool that provides easy access to complete, accurate, and detailed information about Montana water rights. The public portal allows for searching and accessing detailed information about the State's water rights such as water right numbers, owners, locations, and documents.

Link: https://gis.dnrc.mt.gov/apps/WRQS/

BLM General Land Office Homestead Records

Overview: The BLM General Land Office Records website provides online access to federal land conveyance records for the Public Land States, which are states that were created out of the public domain. The website offers access to images and maps of more than five

million federal land title records issued since 1820. Additionally, the site has images related to survey plats and field notes dating back to 1810.

Link: https://glorecords.blm.gov/search/default.aspx

Working Lands for Wildlife Landscape Explorer

Overview: The Working Lands for Wildlife's Landscape Explorer allows you to compare past and present landscapes from the Great Plains to the Pacific coast. This easy-to-use map uses historic and current aerial imagery to highlight how our landscapes have changed since the mid-20th century. The imagery can be helpful when looking at changes in resource concerns such as woody encroachment, cropland expansion, and urbanization.

Link: https://www.landscapeexplorer.org/