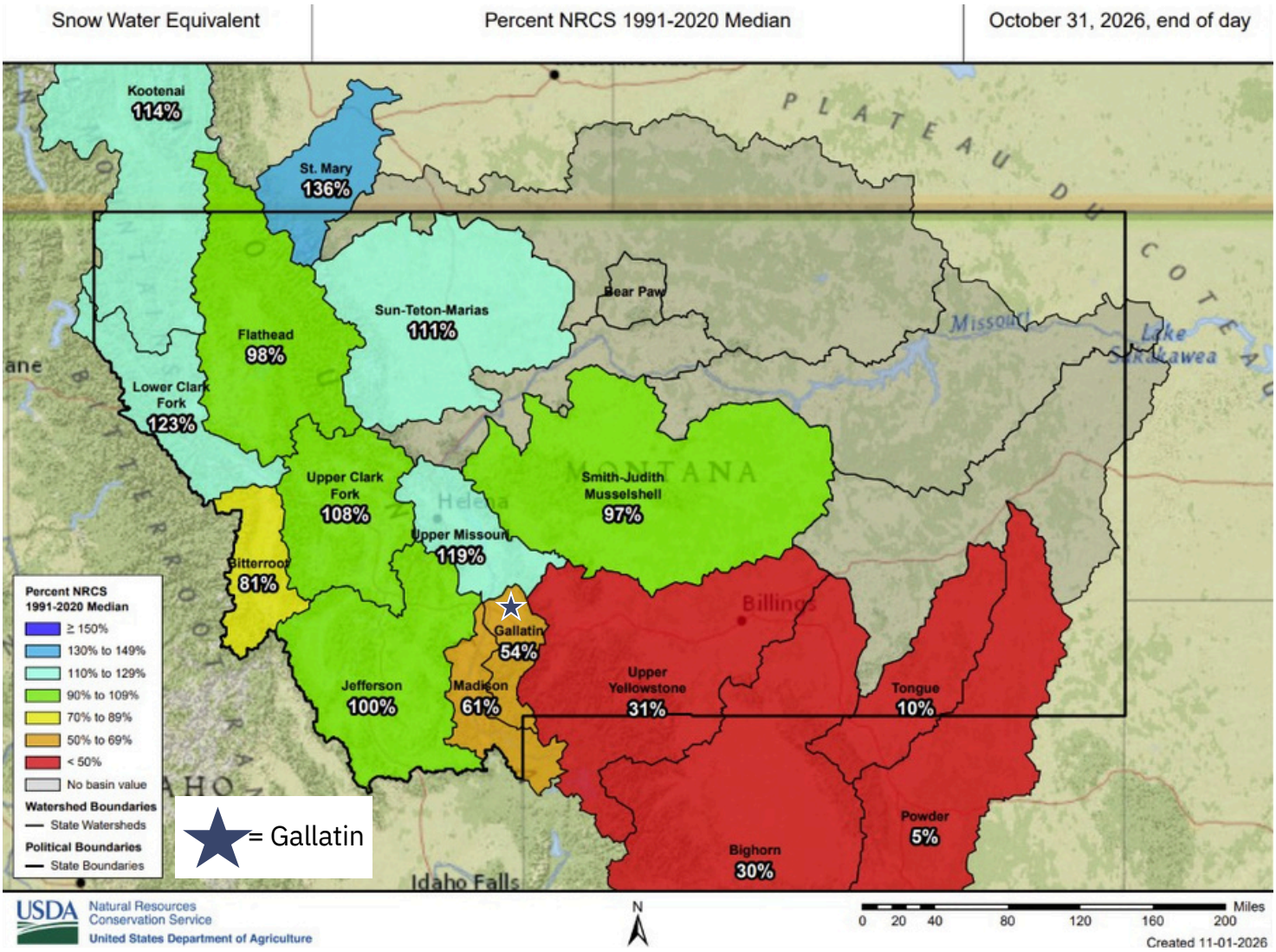
Gallatin Water Supply Outlook
October 2026





SNOWPACK SUMMARY (Water Year (WY) = October 1st—September 30)
*Data current as of 11/1/2026

We are currently in water year 2027 (black line)! The Snow Water Equivalent (SWE) was below normal (median, green line) within the Gallatin River Basin on October 31st, 2026 at 0.8 inches (a 0.7 increase since last month). Last year, on October 31st 2025, the SWE was at 1.5 inches (central red line). Detailed end-of-month SNOTEL site information follows.

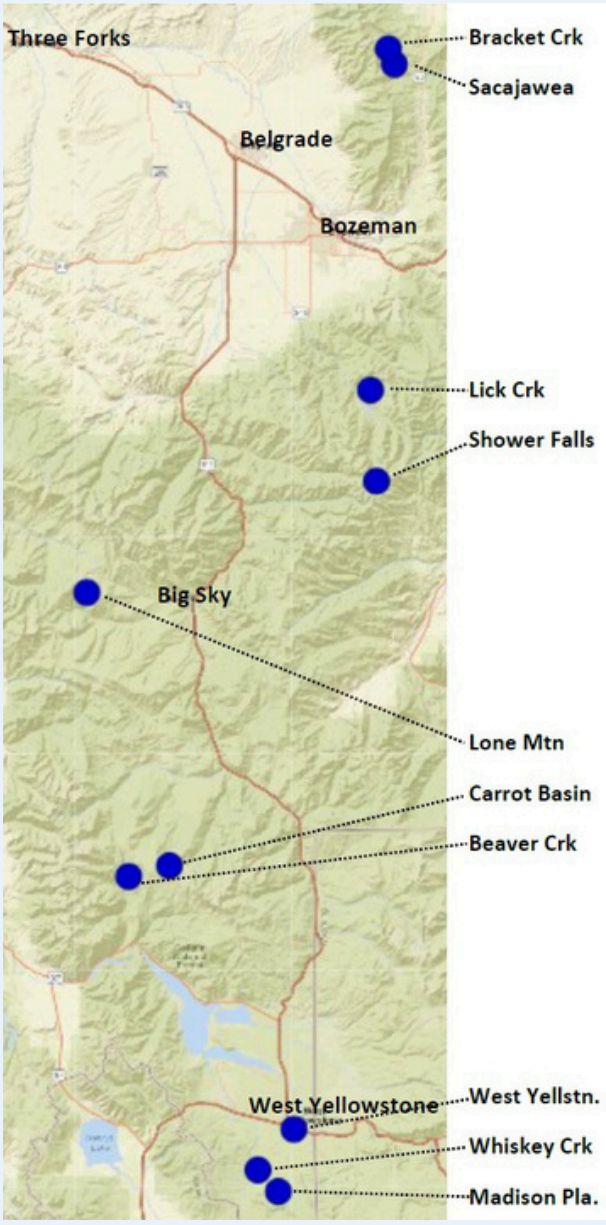
Snowpack Data
Gallatin River Basin - October 2026

Gallatin Valley Region (Bozeman-Belgrade-Four Corners)					
Station Name	Date	Snow Depth	SWE (in)	SWE % Normal	Normal SWE 1971-2000 (in)
Brackett Creek	October 2025	5	1.1	1100	0.1
	October 2026	2	0.4	400	
Sacajawea	October 2025	1	0.2	-	0.0
	October 2026	0	0.1	-	

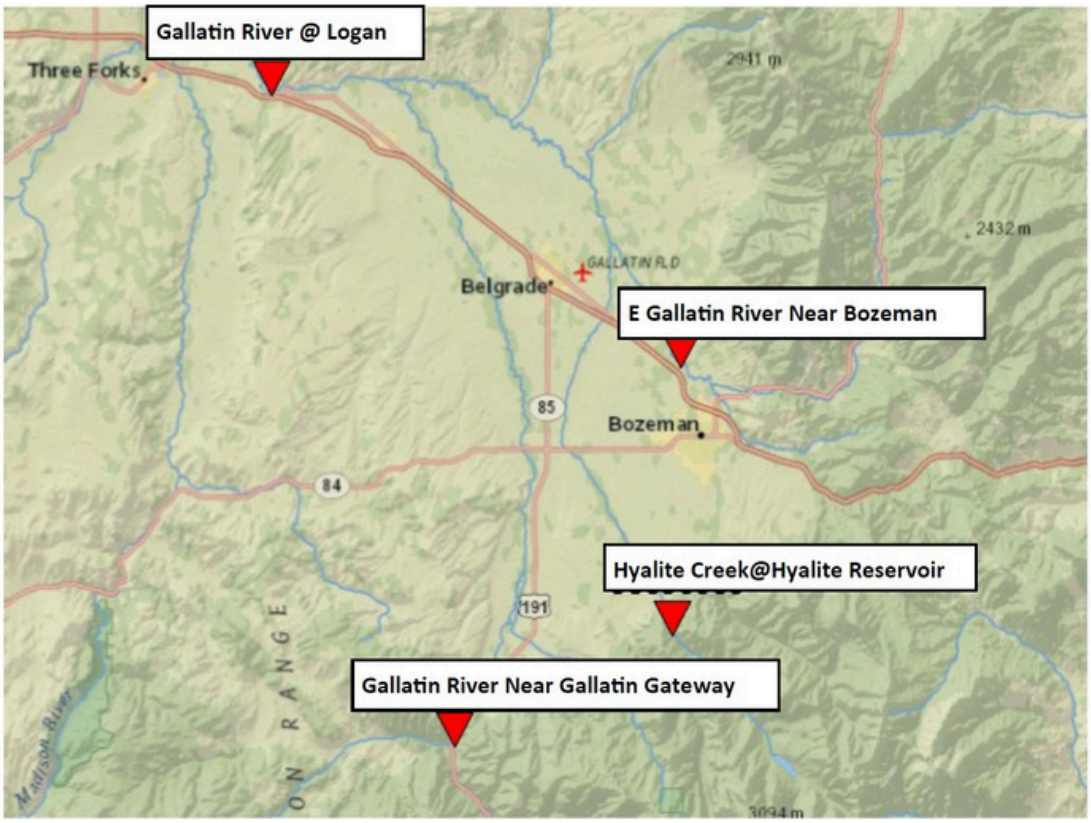
Hyalite Region (Gallatin Gateway)					
Station Name	Date	Snow Depth	SWE (in)	SWE % Normal	Normal SWE 1971-2000 (in)
Lick Creek	October 2025	1	0.1	25	0.4
	October 2026	0	0.2	50	
Shower Falls	October 2025	11	3.0	273	1.1
	October 2026	2	0.8	73	

Lee Metcalf Wilderness Region (Big Sky)					
Station Name	Date	Snow Depth	SWE (in)	SWE % Normal	Normal SWE 1971-2000 (in)
Lone Mountain	October 2025	5	1.6	533	0.3
	October 2026	1	0.8	5267	
Carrot Basin	October 2025	16	3.8	317	1.2
	October 2026	9	2.2	183	
Beaver Creek	October 2025	3	0.8	160	0.5
	October 2026	1	0.7	140	

West Yellowstone Region					
Station Name	Date	Snow Depth	SWE (in)	SWE % Normal	Normal SWE 1971-2000 (in)
West Yellowstone	October 2025	0	0	-	0.0
	October 2026	0	0.3	-	
Whiskey Creek	October 2025	2	0.4	400	0.1
	October 2026	0	0.2	200	
Madison Plateau	October 2025	4	1	250	0.4
	October 2026	0	0.4	100	



Streamflow Data
Gallatin River Watershed - October 2026



November 1st, 2026 - Gallatin Watershed Streamflow

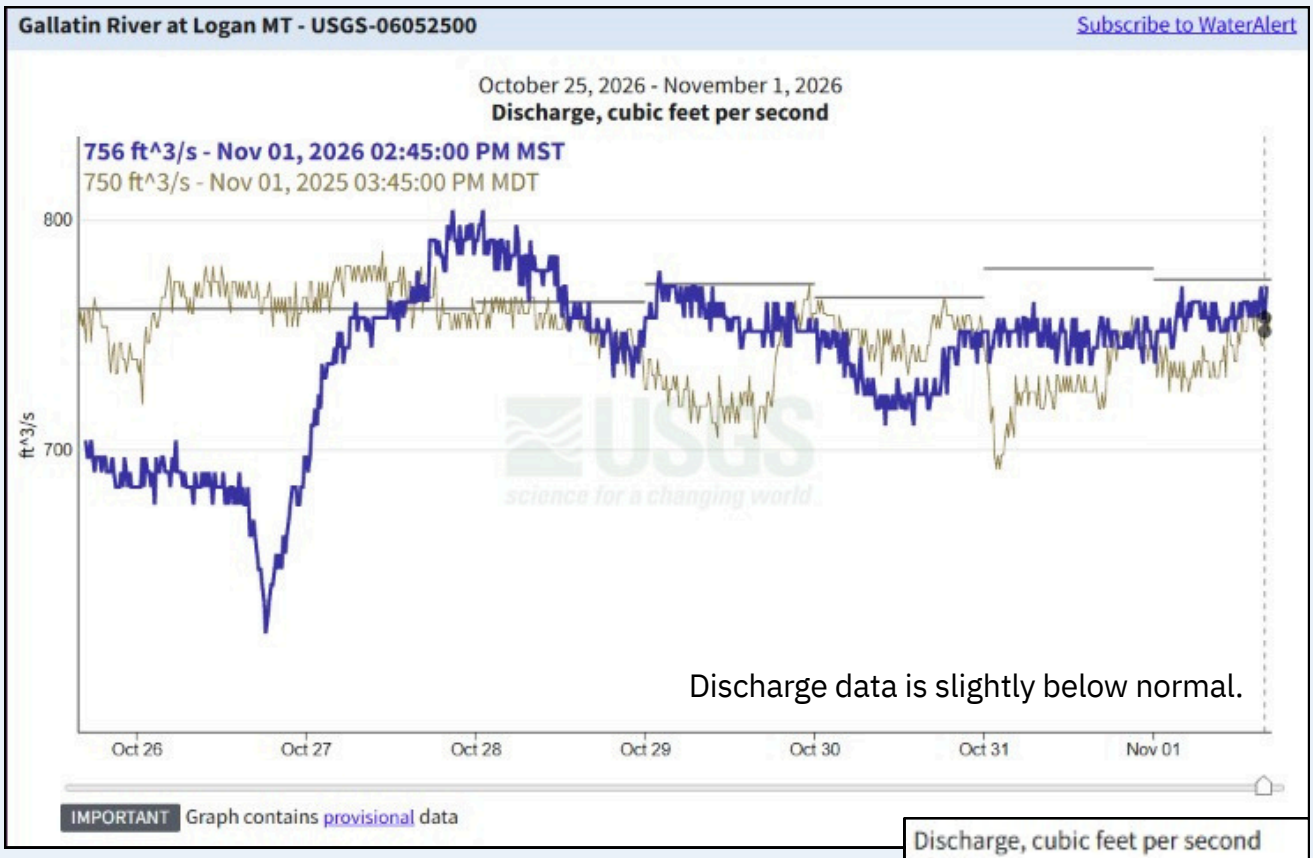
Station Name	Most Recent Instantaneous Value- 2026 Discharge (cfs)	% Normal	Median - Normal Discharge (cfs)	2025 Discharge (cfs)	Period Of Record (Yrs)
Gallatin at Logan MT	756	98	773	750	111
E Gallatin near Bozeman	52.8	84	62.5	72.2	12
Hyalite Creek	26.8	86	31	36.2	73
Gallatin near Gallatin Gateway	397	99	403	402	96

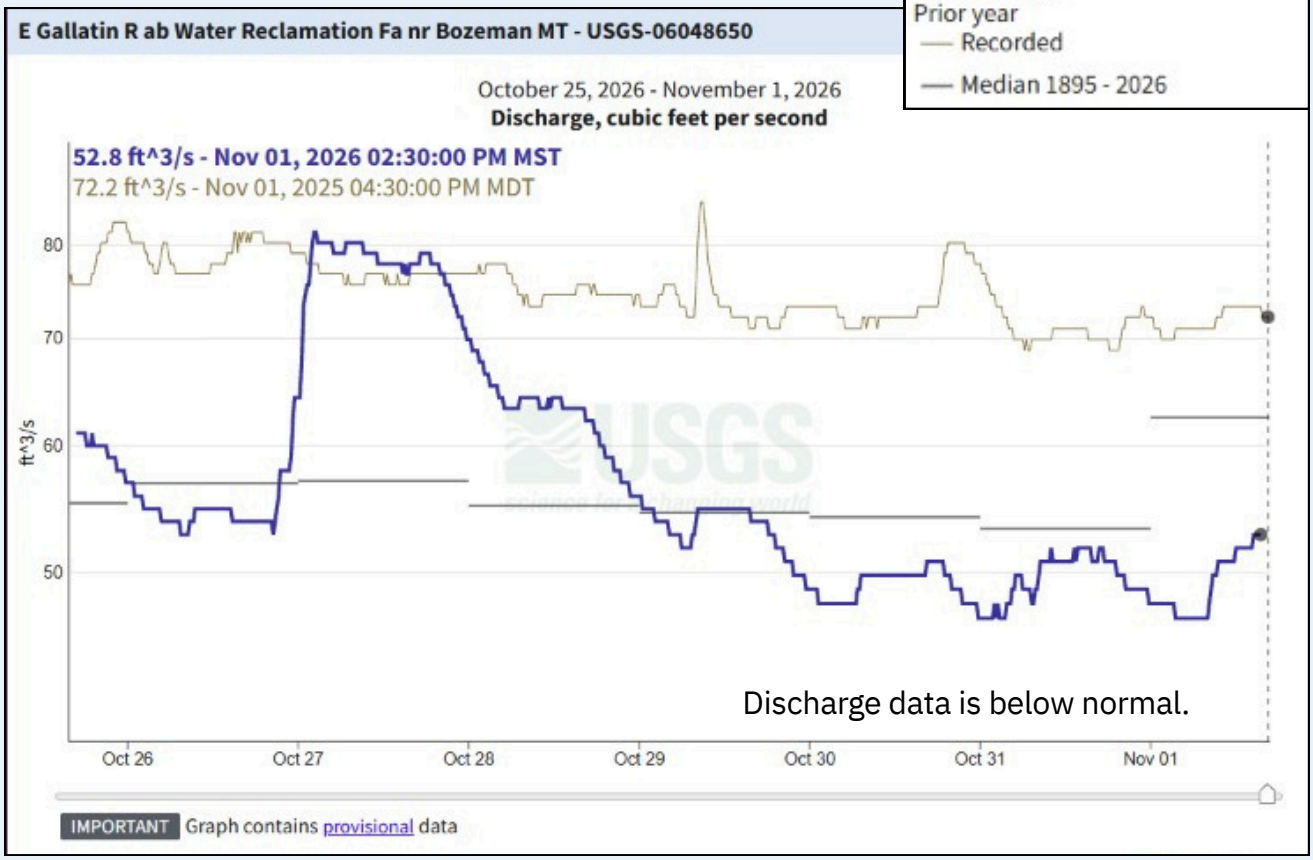
STREAMFLOW SUMMARY *Data current as of 11/1/26

All monitored sites reported discharge values below normal. The Gallatin near Logan and Gallatin near Gallatin Gateway sites had discharge values that were only slightly below normal.
The Gallatin at Logan site showed a discharge value higher than last year's figure. The Gallatin near Bozeman, Hyalite Creek, and Gallatin near Gallatin Gateway sites recorded discharge values lower than those from this time last year.

Streamflow Data

Gallatin River Watershed - October 2026

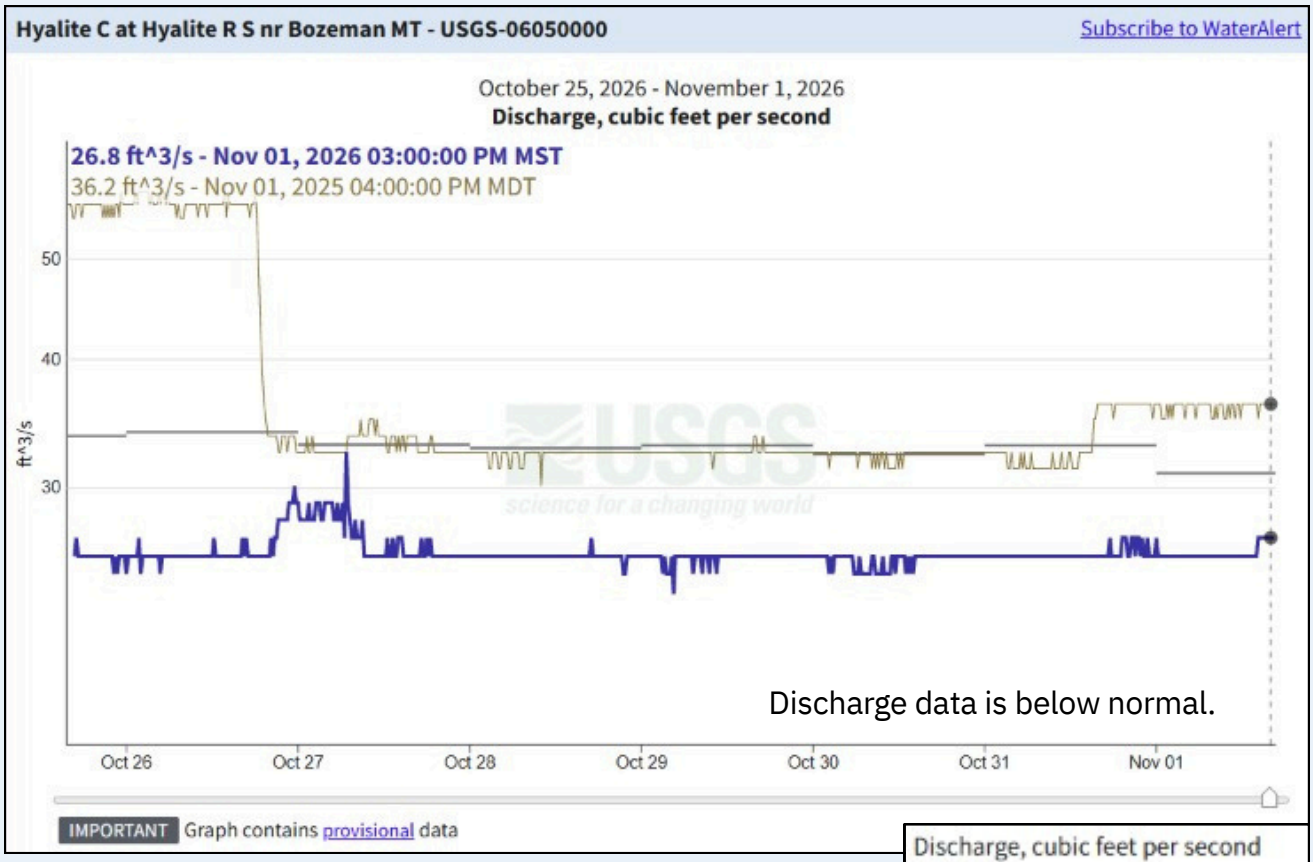




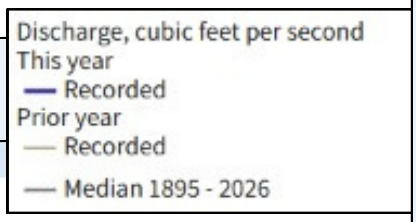
Discharge, cubic feet per second
This year
— Recorded
Prior year
— Recorded
— Median 1895 - 2026

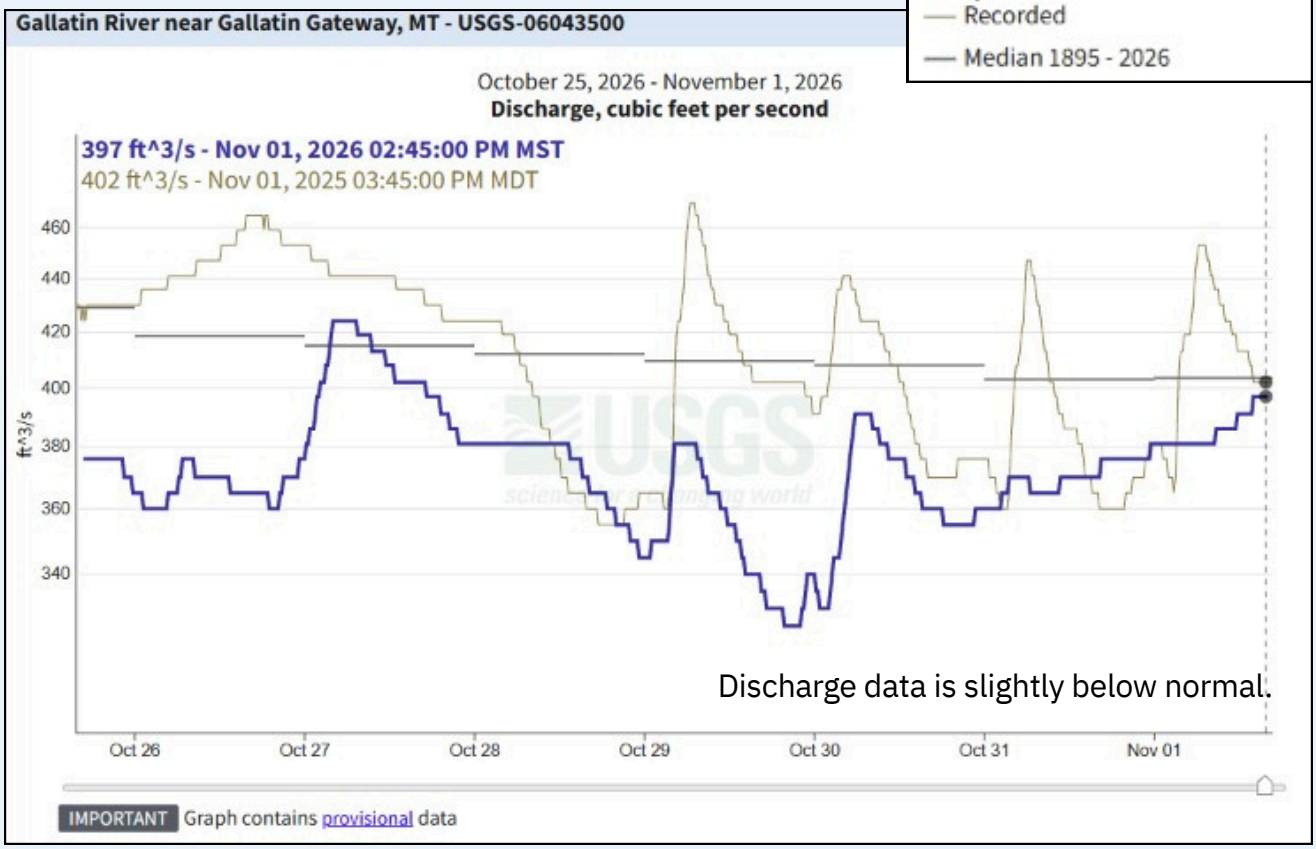
Streamflow Data

Gallatin River Watershed - October 2026



Discharge data is below normal.

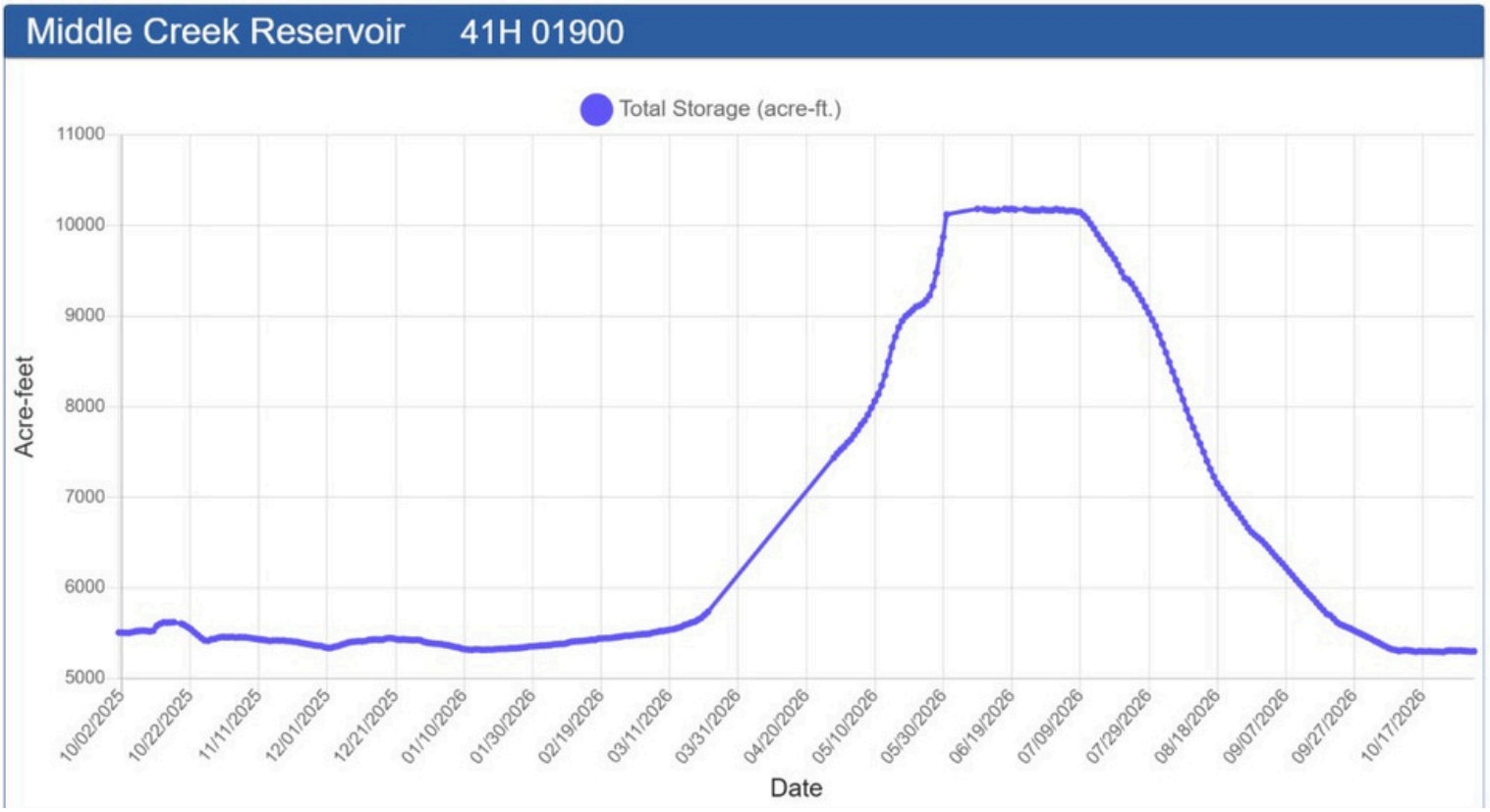




Discharge data is slightly below normal.

Water Storage Data

Middle Creek Dam, Hyalite Reservoir - October 2026



County	Lat/Lon	Spillway Elevation
Gallatin	45.488, -110.975	6721.0 ft.

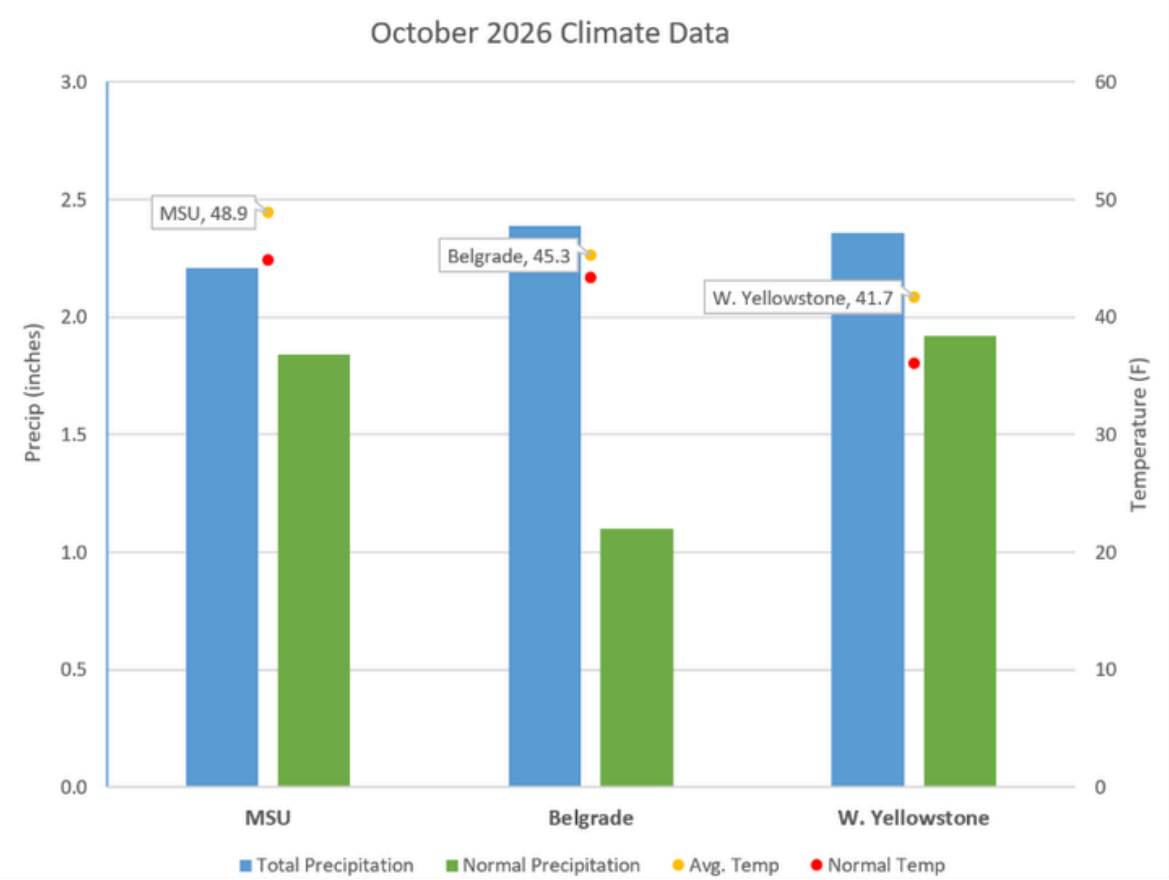
Most Recent Readings

Sensor	Value	Time
Storage	5300.50 Acre-ft	10/31/2026, 10:00 PM
Elevation	6695.93 ft	10/31/2026, 10:00 PM
Temperature	No Data	No Data

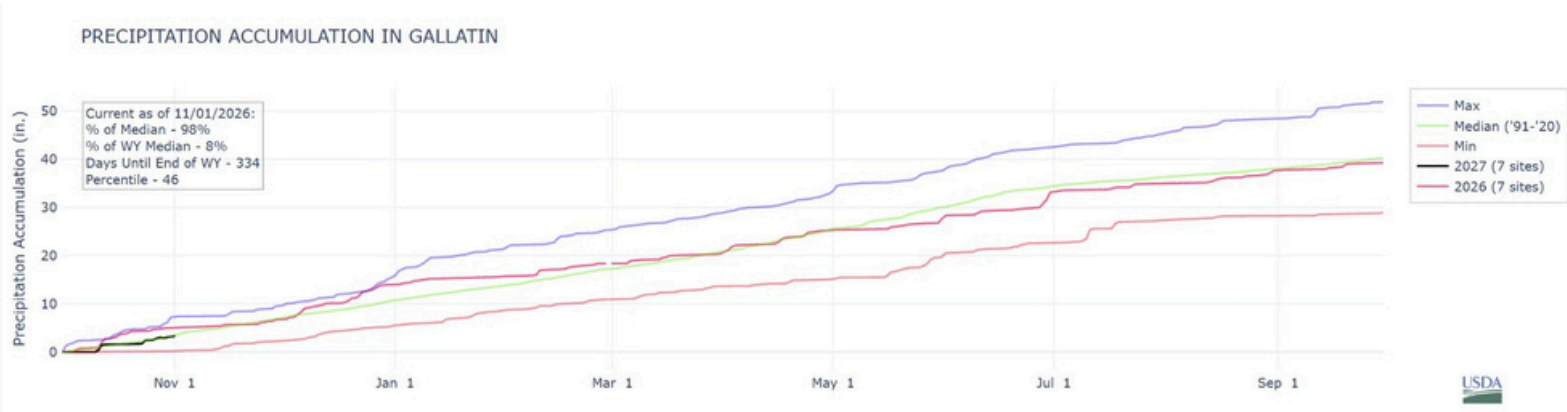
RESERVOIR SUMMARY *Data current as of 10/31/26

The elevation of Middle Creek Dam Reservoir stands at 6,696.93 ft, which is 25.07 ft below the principal spillway crest of 6,721 ft. Since the last relevant WSO report on October 1st, 2026, the reservoir elevation has dropped by 1.04 ft. The current reservoir volume is 5,300.5 acre-ft, reflecting a decrease of 154.4 acre-ft since October 1st, 2026.

Climate Data
Gallatin County - October 2026



Above graph depicting ACIS climate data representing the entire month of October 2026.

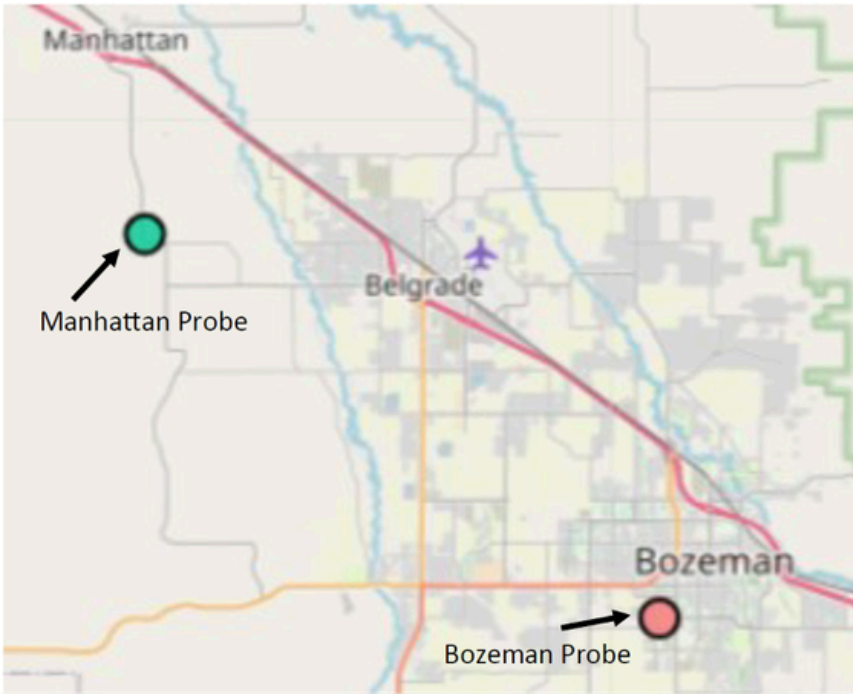


TEMP & PRECIP SUMMARY (Water Year (WY) = October 1st—September 30)
*Data is current as of 11/1/2026

Average temperatures have declined at all sites since September 2026. All locations have reported above-normal temperatures for this time of year. In October 2026, all sites experienced higher-than-normal precipitation (ACIS graph).

We are currently in Water Year 2027 (black line). As of October 31, 2026, the total accumulated precipitation for the Gallatin River Basin was slightly below normal (median, green line) at 3.2 inches (see USDA graph). For comparison, the total precipitation for WY 2026 on October 31, 2025, was recorded at 5.0 inches (shown by the central red line).

Soil Moisture Data
Mesonet Stations - October 2026



Manhattan Soil Probe Depth (in)	Soil Temp (°F)	Soil Water Content (%)
4" - Surface	43.16	25.00%
8" - Shallow rooting	42.80	29.20%
20" - Shallow rooting	45.32	7.50%
36" - Deep rooting	48.38	16.10%

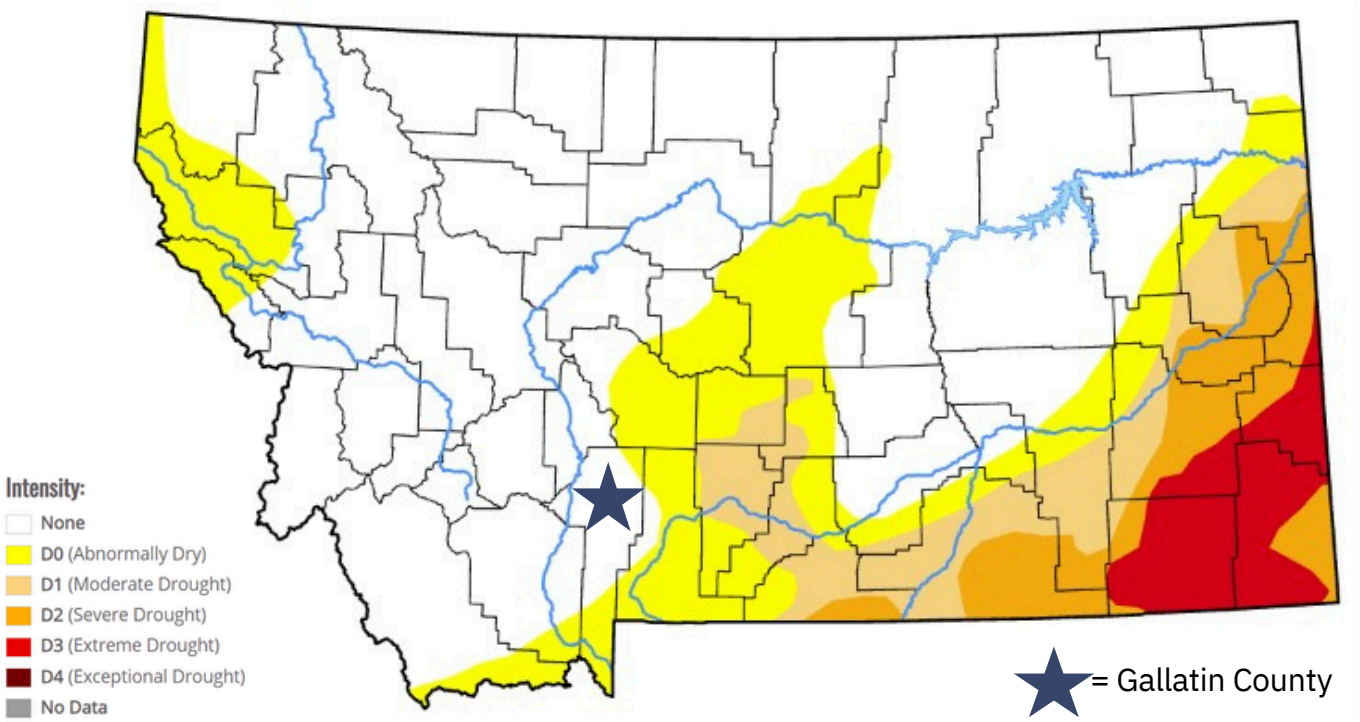
Bozeman Soil Probe Depth (in)	Soil Temp (°F)	Soil Water Content (%)
2" - Surface	43.70	24.55%
4" - Surface	42.80	29.35%
8" - Shallow rooting	42.17	28.85%
20" - Deep rooting	44.24	16.25%
40" - Deep rooting	47.84	2.80%

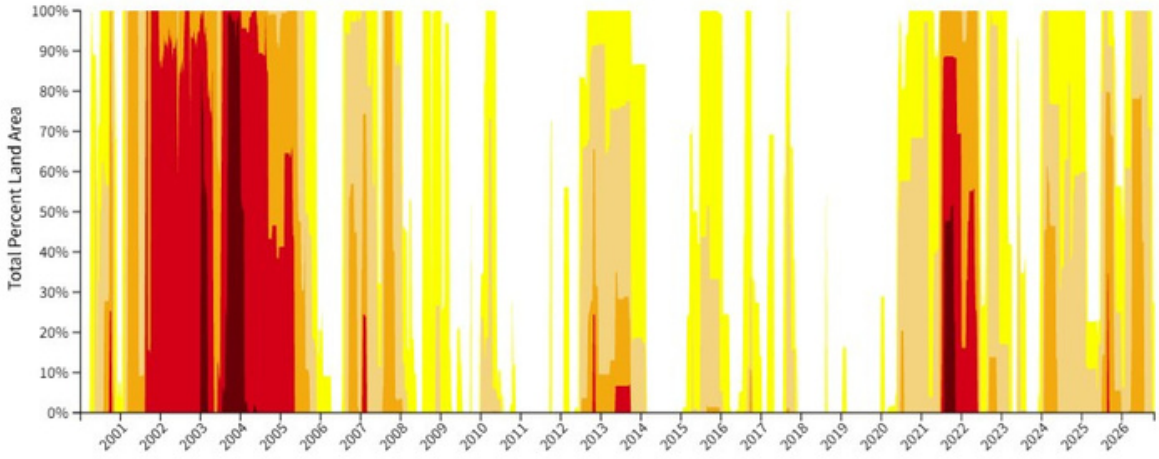
SOIL MOISTURE SUMMARY *Data current as of 11/1/26

Manhattan Station: Since September 2026, soil temperatures have decreased at all depths. Soil water content has decreased at 8 inches, while remaining stable at 20 and 36 inches.

Bozeman Station: Since September 2026, soil temperatures have decreased at all depths. Soil water content has dropped at 4 and 8 inches, with a slight increase observed at 20 inches.

Drought Index Data
Gallatin County - October 2026





Historical Conditions for Gallatin County , 2000-Present

DROUGHT INDEX SUMMARY *Data is current as of 10/29/2026

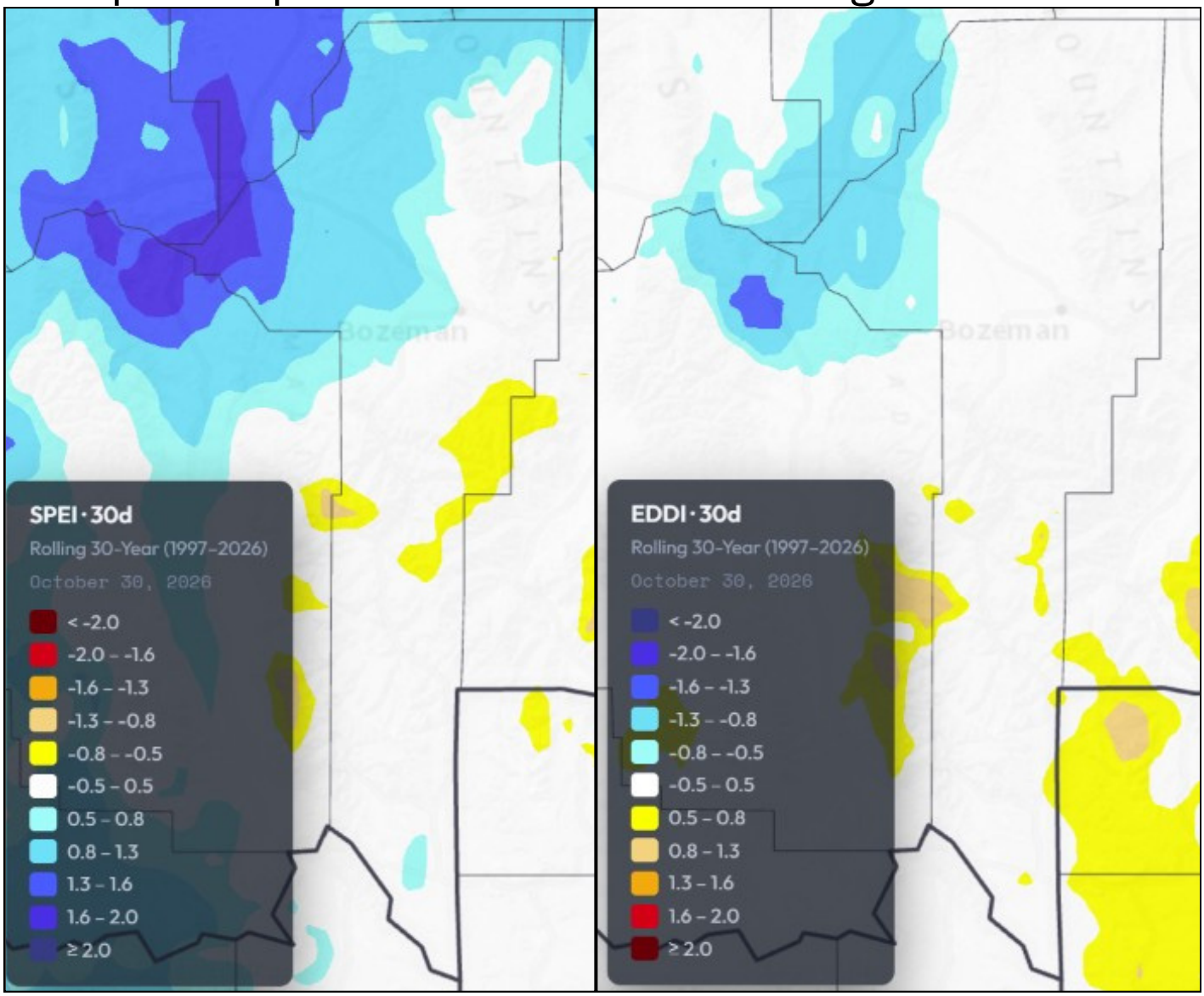
72.56% of Gallatin County is not experiencing drought conditions.
27.44% of Gallatin County is experiencing abnormally dry drought conditions. Impacts include low soil moisture contributing to poor crop germination and dry pastures, increased fire danger, and low streamflow with impacts to recreational fishing.

Help verify this information by using the **MT Drought Impact Reporter**! You can submit reports any time of the year, whether it's wet or dry!

https://survey123.arcgis.com/share/9256e9943a964af5ad7e0280e1407712

Standardized Precipitation Evapotranspiration Index

Evaporative Demand Drought Index



SPEI & EDDI Overview *Data is current as of 10/30/26
The maps above show the current Standardized Precipitation Evapotranspiration Index (SPEI, Left) and Evaporative Demand Drought Index (EDDI, Right) for October 2026.

SPEI takes into account both precipitation and potential evapotranspiration to describe the wetness (positive blue values) or dryness (negative red values) of a time period. SPEI has been calculated for October 2026 to represent drought impacts on hydrological conditions for the past 30 days. SPEI incorporates the important effect of atmospheric demand on drought.

EDDI has examined how deviated from normal the atmospheric evaporative demand is for Gallatin County in October 2026. EDDI is an experimental drought monitoring and early warn-ing guidance tool. EDDI can offer early warning of agricultural drought, hydrologic drought, and fire-weather risk. Positive (red) values represent dryness categories, while negative (blue) values represent wetness categories.

Gallatin Water Supply Outlook
Source Information & Helpful Links

Gallatin Conservation District:
- Archive of Water Supply Outlook Reports
- Living by the Water
- 310 Permit Forms & Info

Snowpack:
- USDA / NRCS Interactive Map
- Montana Snow Survey Homepage
- NRCS / NWCC National Water & Climate Center
- Standardized Snow Water Equivalent (SWE from SNODAS & Hypsome –SWE

Streamflow:
- USGS Real Time Streamflow
- State of Montana Gaging Stations
- DNRC Water Right Query System

Water Storage:
- DNRC Water Projects—Middle Creek Real Time Data
- Middle Creek Early Warning System
- BOR—Montana Lakes and Reservoirs

Climate:
- ACIS Database
- NRCS Montana Current Conditions
- Montana Snow Survey Homepage
- US Climate Data

Soil Moisture:
- Montana Mesonet
- DNRC Drought Status by County

Drought:
- US Drought Portal
- US Drought Monitor

SPEI & EDDI:
- Standardized Precipitation Evapotranspiration Index
- Evaporative Demand Drought Index

Helpful Partner Websites:
- Department of Natural Resources & Conservation
- Gallatin County MSU Extension Office
- Gallatin Local Water Quality District
- Gallatin River Task Force
- Gallatin Watershed Council
- Montana Fish, Wildlife, & Parks
- Montana Natural Resource Conservation Services
- Association of Gallatin Agricultural Irrigators