

## Blackfoot Water Supply Report

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April 7, 2025



**Montana Water Supply Report data as of April 1, 2025 (from NRCS):**

<https://www.nrcs.usda.gov/.../montana/montana-snow-survey/water-supply-outlook-reports-montana>

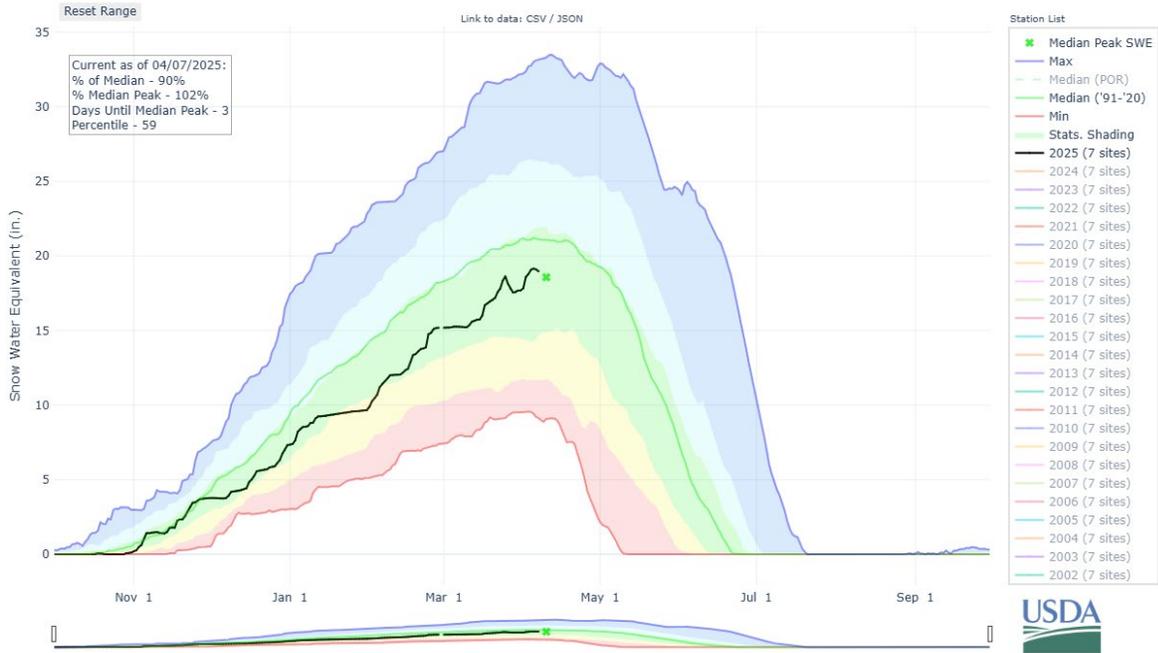
### **Overview**

The month of March has brought above average precipitation for the second month in a row to the Blackfoot watershed. Above normal temperatures for the month resulted in a mix of rain and snow across elevations leading to meltoff in lower elevations and further snow accumulation higher up. Overall snowpack is up to 84% of normal for the 1<sup>st</sup> of March and has improved to closer to 90% of normal with active weather this first week in April.

Snow melt at lower elevations is resulting in runoff on the river with flows above 1,000 cfs coming into the month. The water supply forecast has not changed significantly this month with a 50% exceedance forecasted flow of 90% of normal for April through September. If we see a particularly cool and wet spring we could see flows around 100-110% of normal, if we see a particularly warm and dry spring, flows could dip to 60-70% of normal.

The climate outlook for the next several months is uncertain with equal chances for either above or below normal precipitation and temperatures. Typically, snowpack in the Blackfoot peaks this month. Hopefully, we still have a couple weeks of snow accumulation left even as spring is arriving in the valleys.

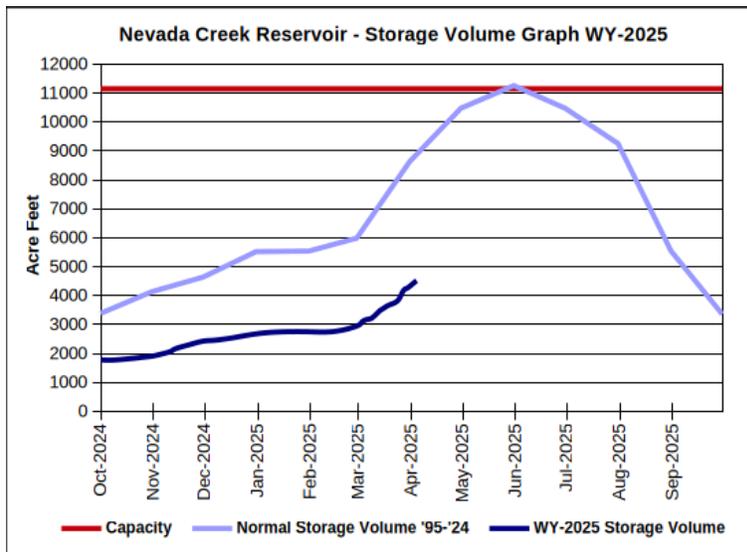
# Blackfoot River Basin Snow Water Equivalent – SNOTEL observed data



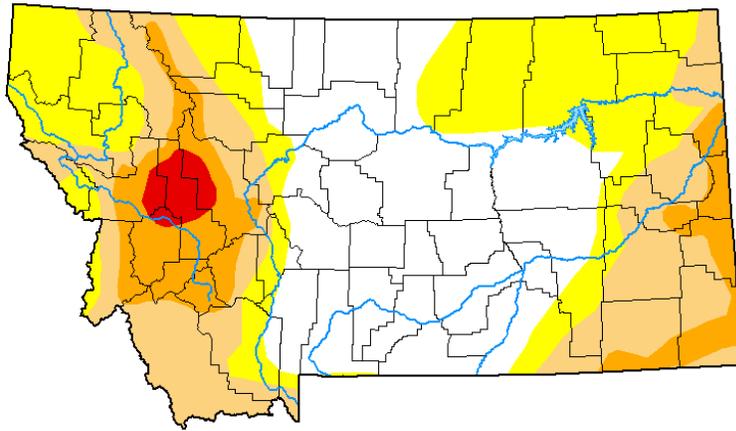
**Black line: 2025 Water Year    Green line: 30-year median    Orange line: 2024 Water Year**

## Reservoir Storage

On April 4<sup>th</sup>, Nevada Creek Reservoir was storing 4,520 Acre Feet which is only 51% of normal and is 40.5% of its total capacity.



## Montana Drought Monitor – April 3, 2025



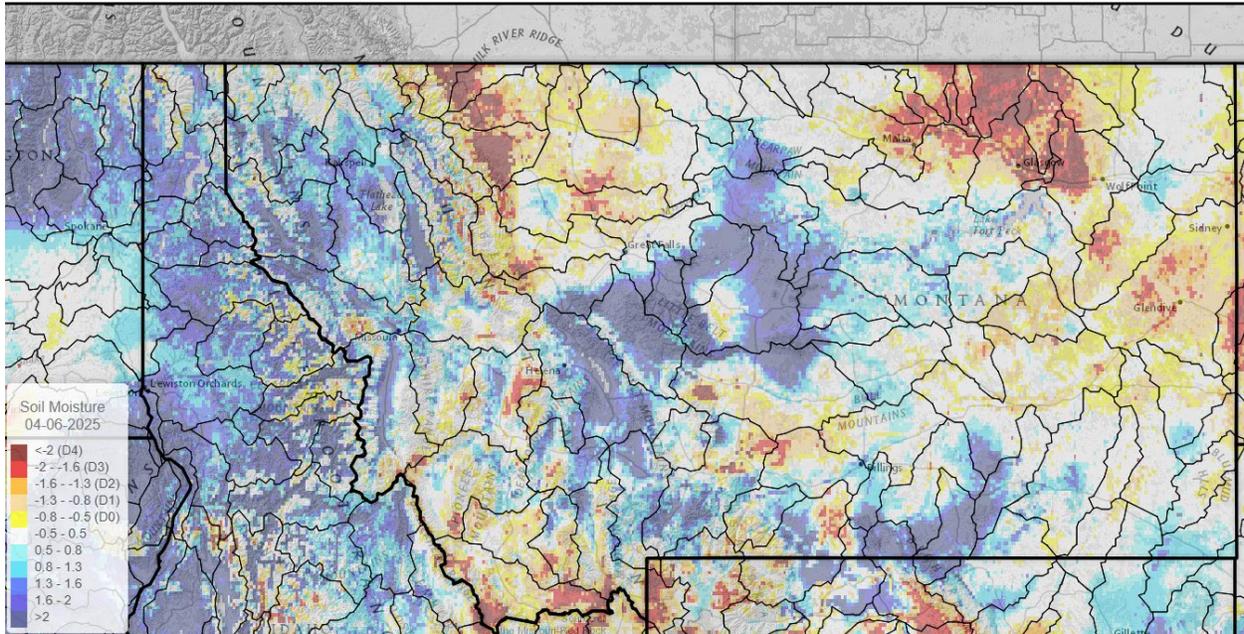
### Drought Intensities

- None: No Drought
- D0: Abnormally Dry
- D1: Moderate Drought
- D2: Severe Drought
- D3: Extreme Drought
- D4: Exceptional Drought

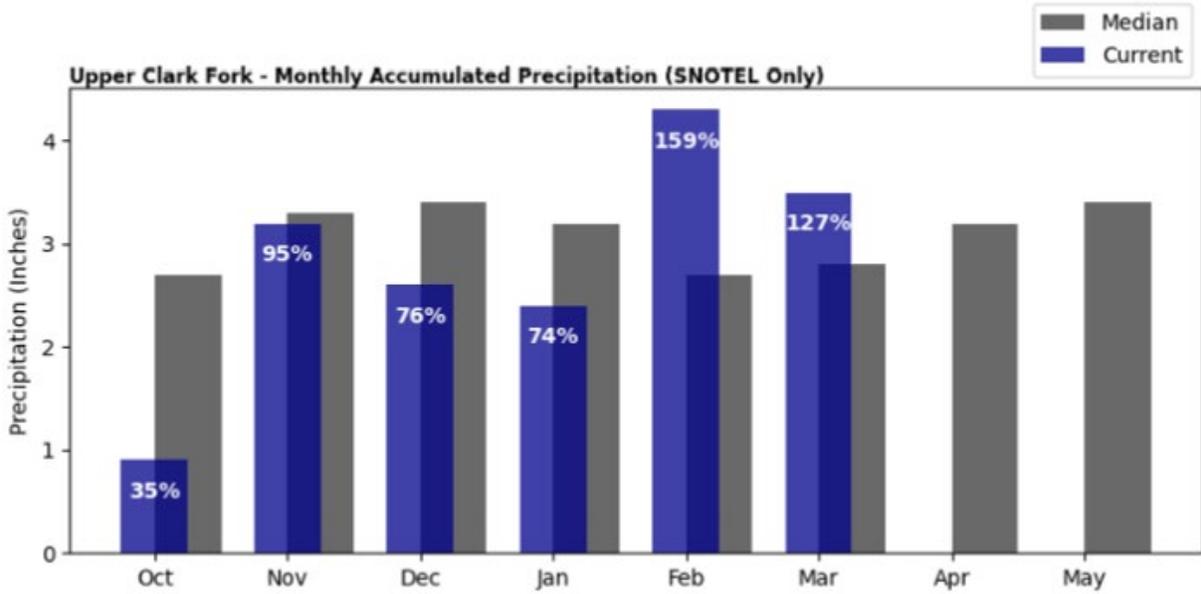
## Soil Moisture – April 6, 2025

NASA SPoRT-LIS 0-100 cm Soil Moisture Anomaly

SPoRT Soil Moisture for 04-06-2025

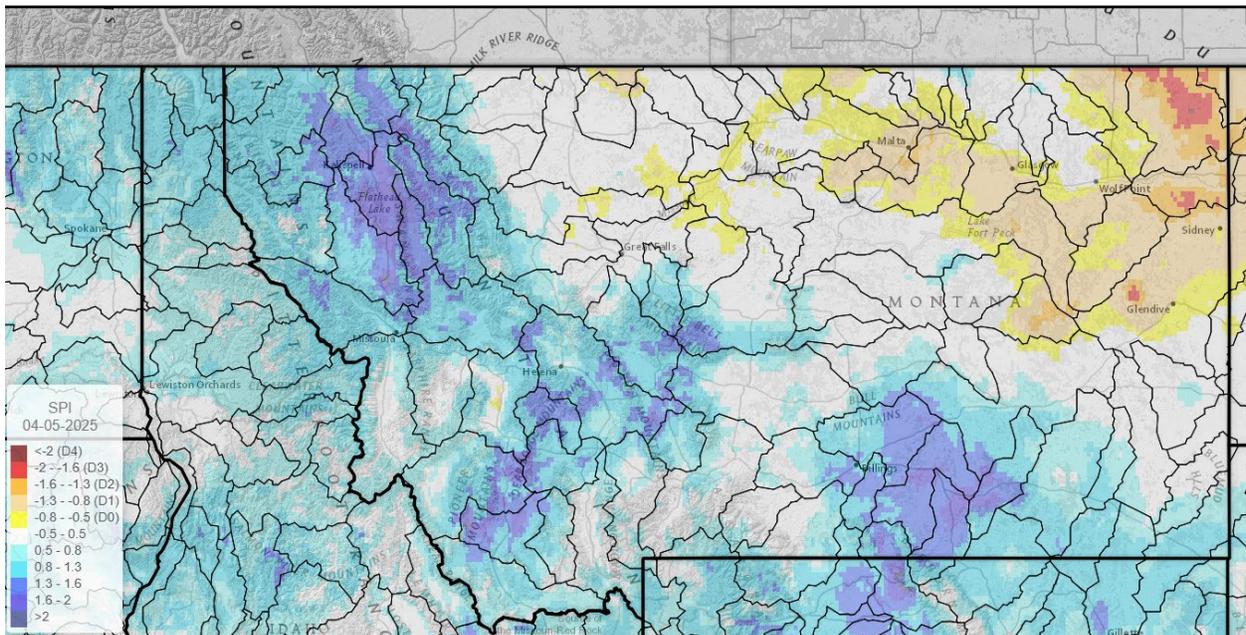


**Upper Clark Fork SNOTEL Precipitation: April 1, 2025**



**Montana 30-day Standardized Precipitation Index: April 5, 2025**

30 Day SPI for 04-05-2025



## April 7, 2025 USGS Real Time Stream Flow Conditions

### **Nevada Creek above Reservoir**

Discharge, cubic feet per second

Most recent instantaneous value: 29.91 cfs on 04/06/2025 at 12:00 PM MST

### **Blackfoot River above Nevada Creek**

Discharge, cubic feet per second

Most recent instantaneous value: 119 cfs on 04/06/2025 at 12:45 PM MST

### **North Fork Blackfoot**

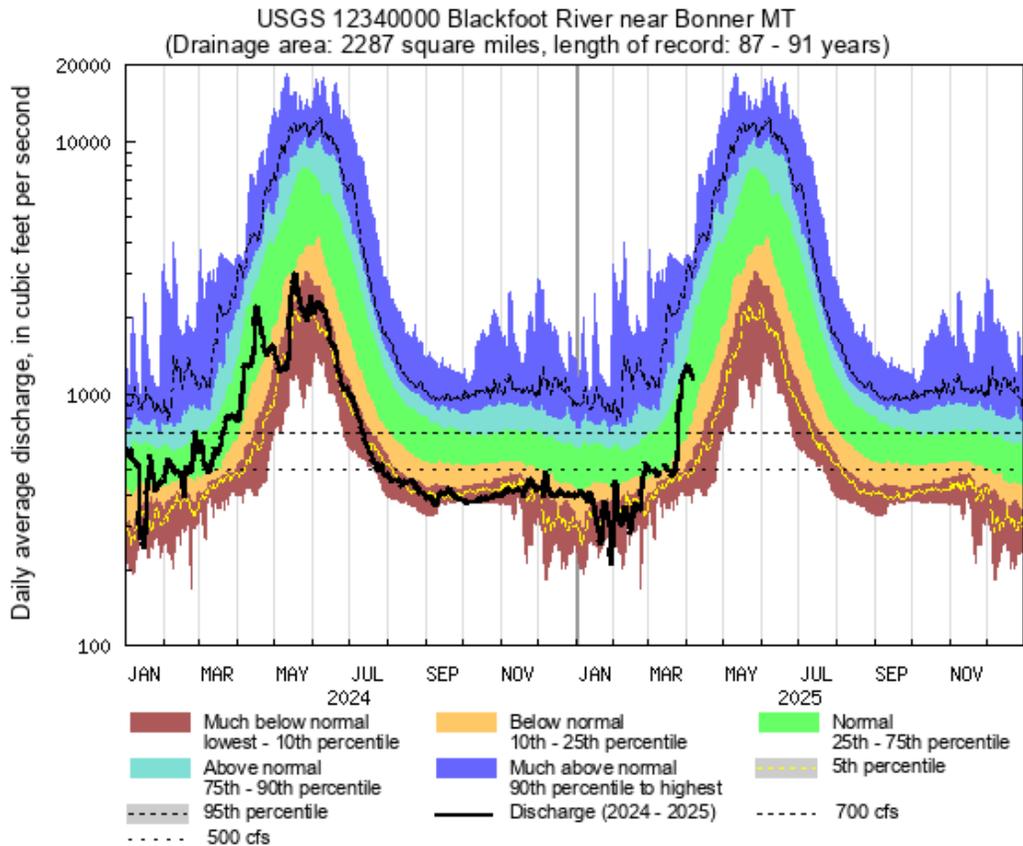
Discharge, cubic feet per second

Most recent instantaneous value: 61.7 cfs on 04/07/2025 at 11:00 AM MST

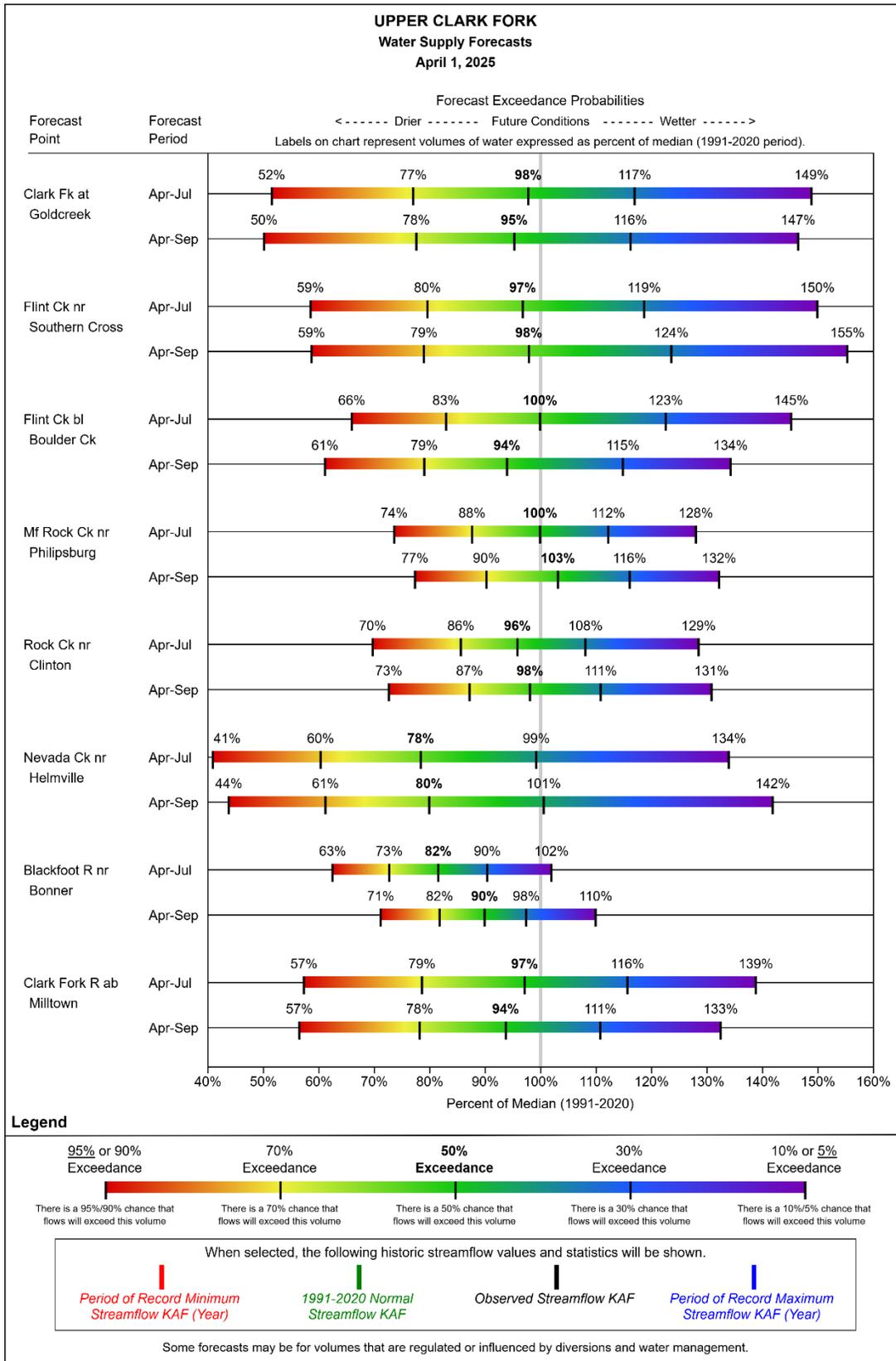
### **Blackfoot River at Bonner**

Discharge, cubic feet per second

Most recent instantaneous value: 1,110 cfs on 04/07/2025 at 12:45 PM MST



# Streamflow Forecast:



# Three-Month Climate Outlook: April 2025

## National Weather Service Climate Prediction Center

<http://www.cpc.ncep.noaa.gov/>

Above and below normal temperatures are equally favored for April through June.

Above and below normal precipitation are equally favored for April through June.

