

## Blackfoot Water Supply Report

---

June 6, 2025



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

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

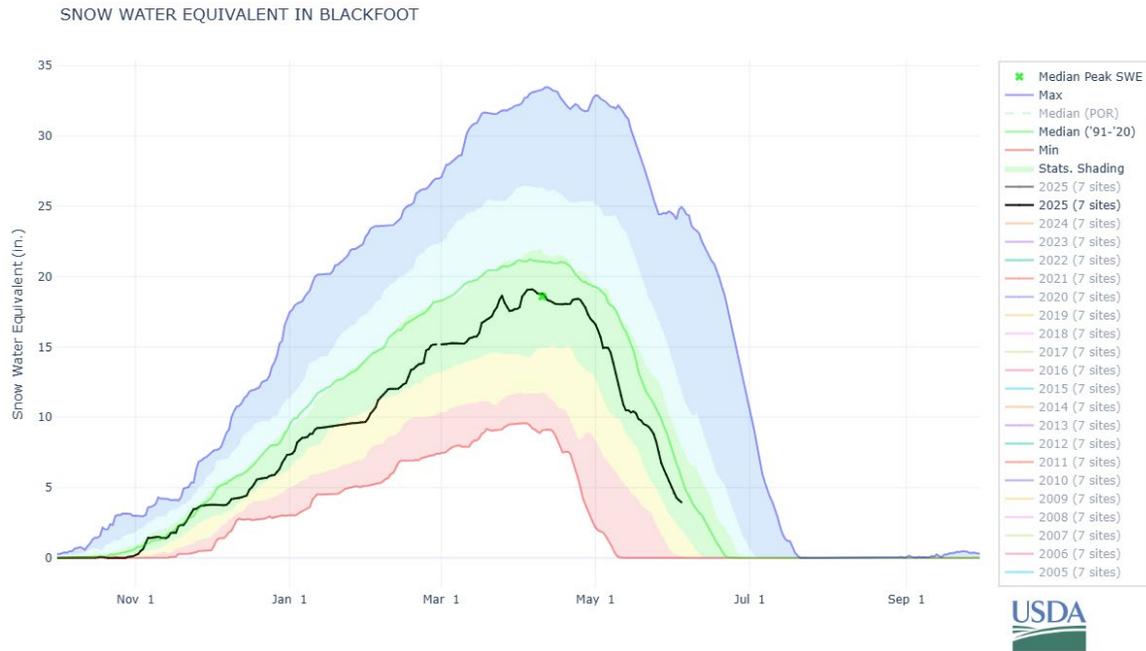
### Overview

The month of May has brought below normal precipitation and some high temperatures to the Blackfoot watershed. The warm temperatures have melted all but the highest elevation snowpack with SNOTEL sites melting out one to two weeks early across the basin. Snowpack in the basin peaked on April 7<sup>th</sup> with 19.1 inches of Snow Water Equivalent, about 90% of the 30 year median peak. Precipitation was down across the entire watershed, with about 75% of normal for the month.

Flows in the Blackfoot are much below normal. Runoff peaked early on May 12<sup>th</sup> at just 4,000 cfs. The water supply forecast has decreased significantly from last month with forecasted flows between 60-90% of normal for June through September. If we see a particularly cool and wet spring we could see flows around 85% of normal, if we see a particularly warm and dry spring, flows could dip to 60-65% of normal. To put it another way, there is less than a 5% chance that we will see flow at or above normal this summer.

The climate outlook for the next several months is predicting above average temperatures and below average precipitation through August.

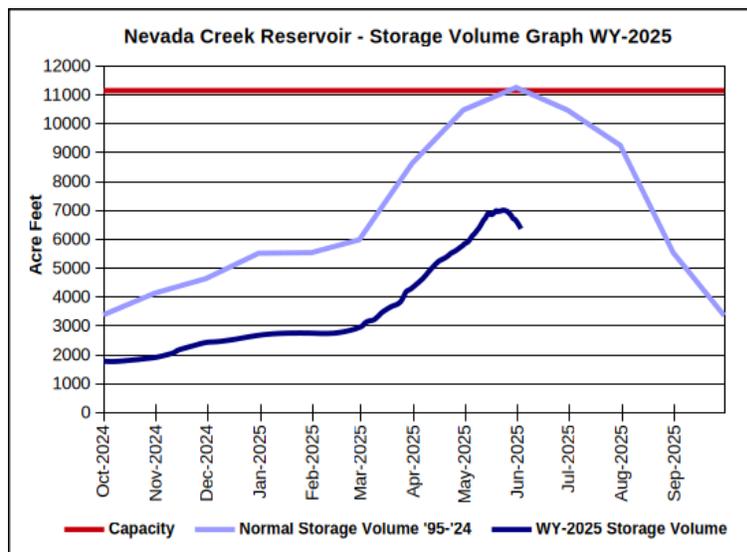
## Blackfoot River Basin Snow Water Equivalent – SNOTEL observed data



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

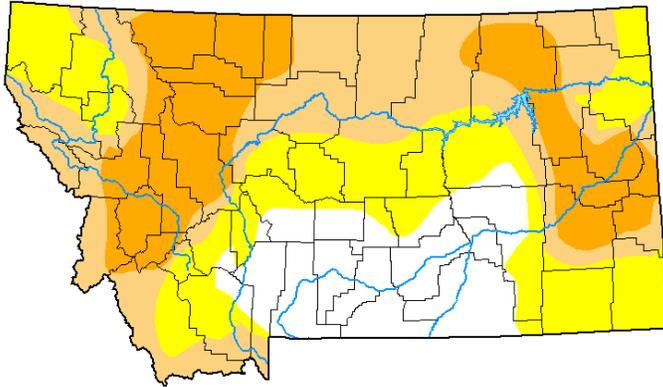
### Reservoir Storage

On June 3, Nevada Creek Reservoir was storing 6,346 Acre Feet which is only 57% of normal and is 57% of its total capacity.



# Montana Drought Monitor – June 5, 2025

## Drought Intensities

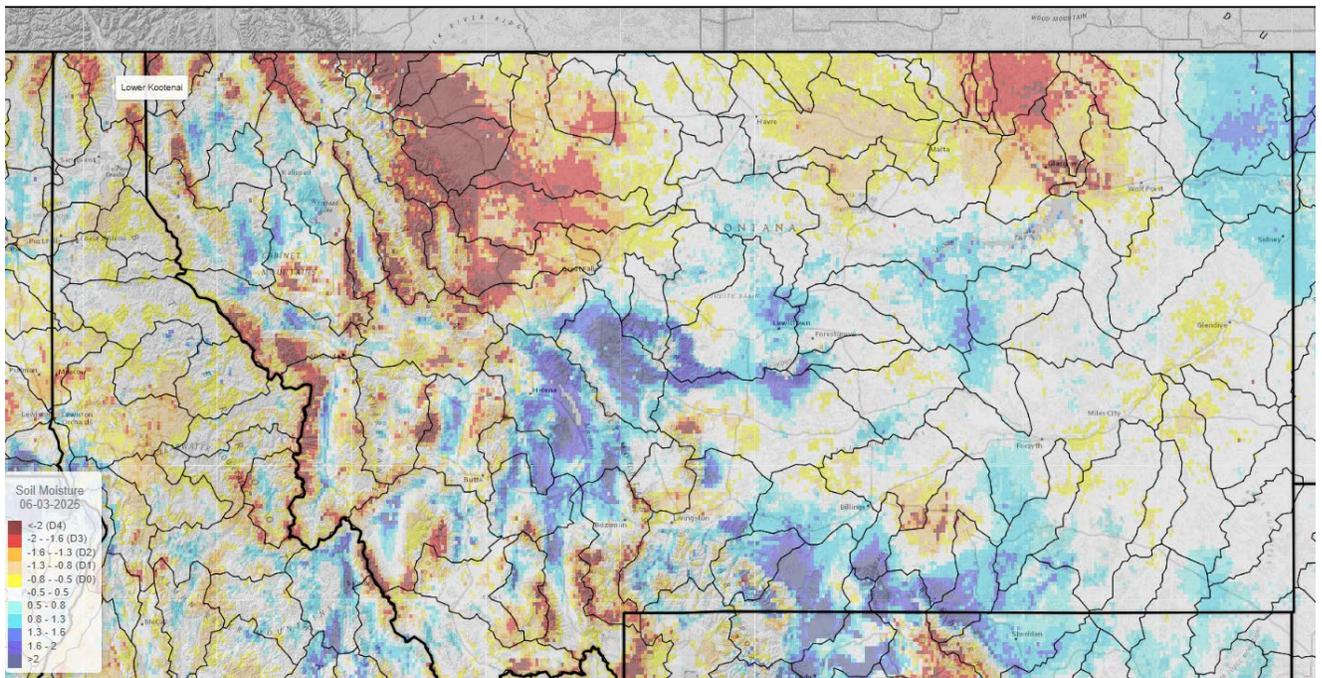


- None: No Drought
- D0: Abnormally Dry
- D1: Moderate Drought
- D2: Severe Drought
- D3: Extreme Drought
- D4: Exceptional Drought

## Soil Moisture – June 3, 2025

NASA SPoRT-LIS 0-100 cm Soil Moisture Anomaly

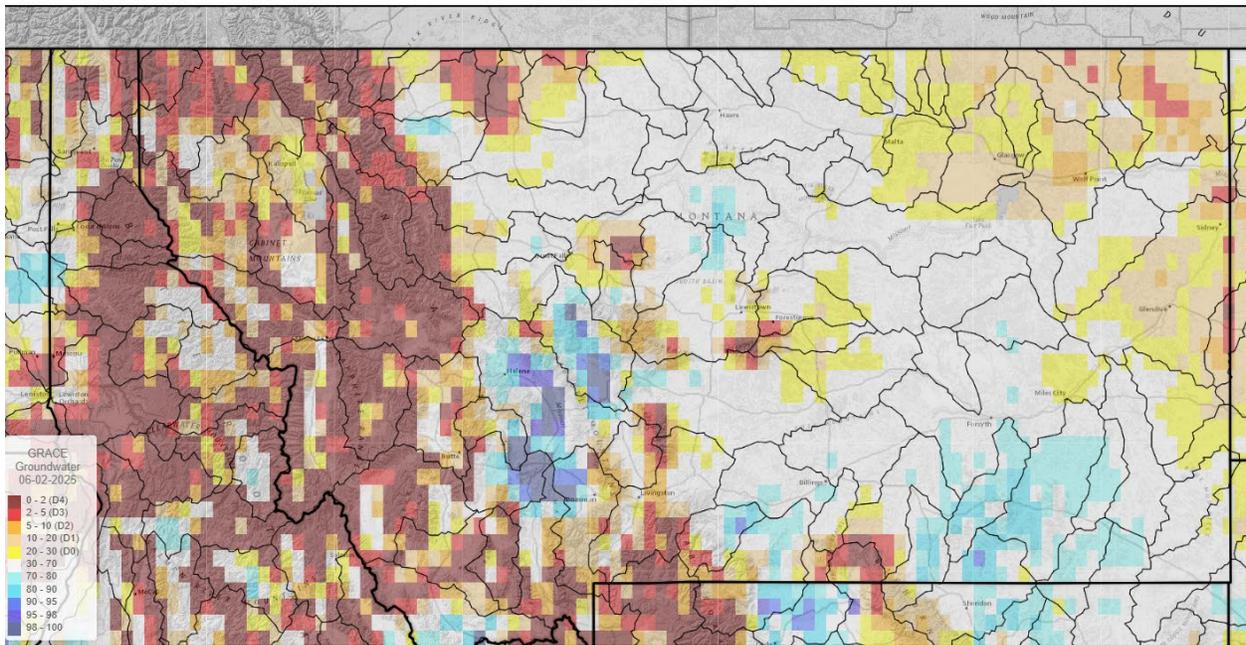
SPoRT Soil Moisture for 06-03-2025



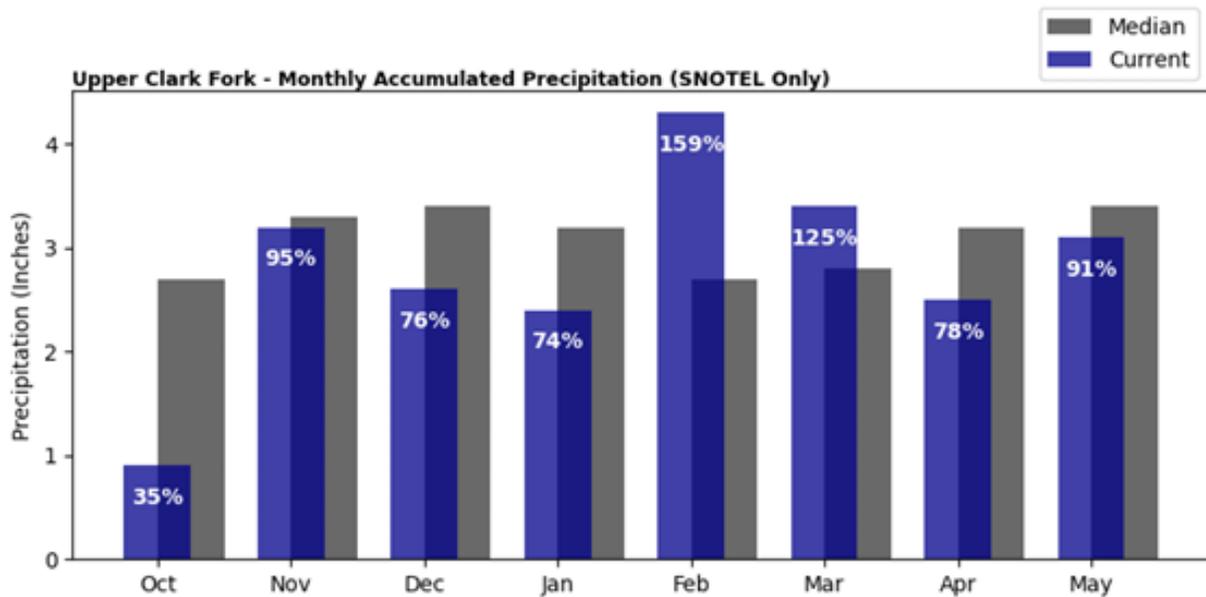
# Modeled Groundwater – June 2, 2025

NASA GRACE Groundwater Percentile

GRACE Groundwater for 06-02-2025

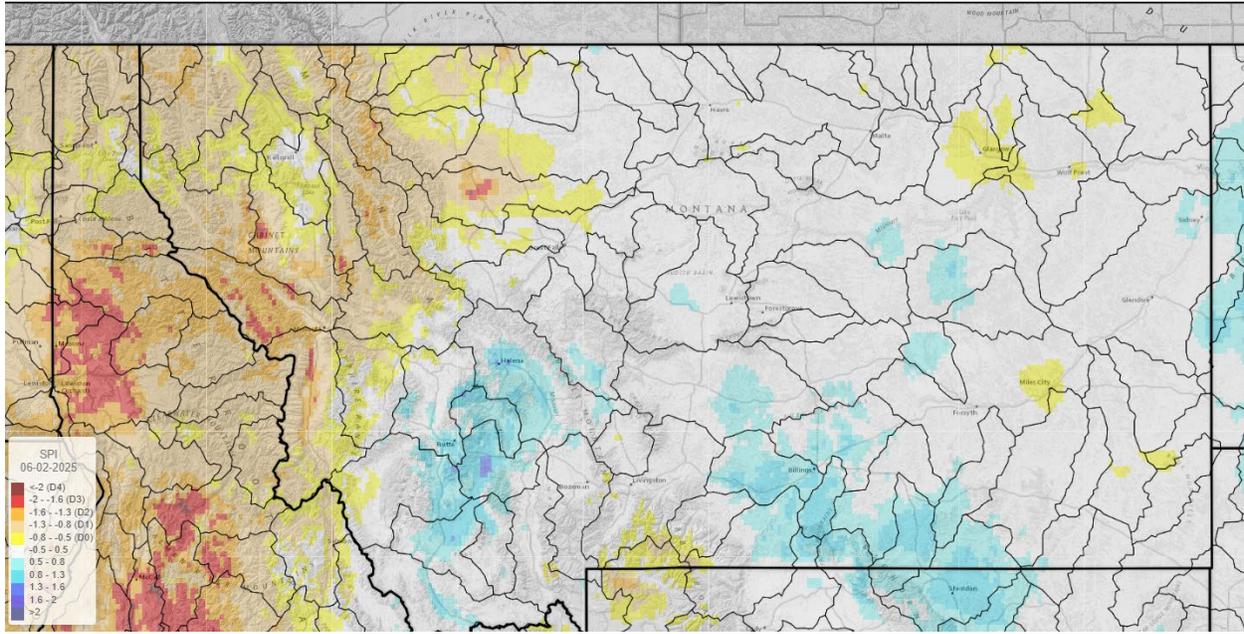


# Upper Clark Fork SNOTEL Precipitation: June 1, 2025



## Montana 30-day Standardized Precipitation Index: June 2, 2025

30 Day SPI for 06-02-2025



## June 6, 2025 Real Time Stream Flow Conditions

### **Nevada Creek above Reservoir**

**Discharge, cubic feet per second**

Most recent instantaneous value: 24 cfs on 06/06/2025 at 6:00 AM MST

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

**Discharge, cubic feet per second**

Most recent instantaneous value: 522 cfs on 06/06/2025 at 7:45 AM MST

### **North Fork Blackfoot**

**Discharge, cubic feet per second**

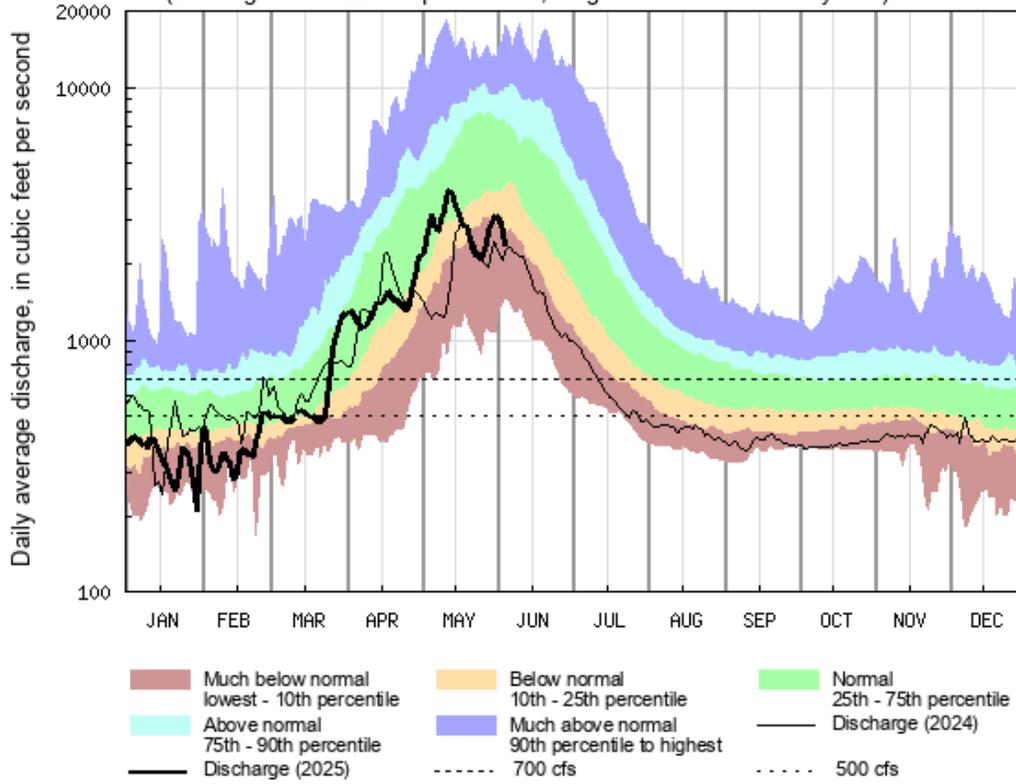
Most recent instantaneous value: 565 cfs on 06/06/2025 at 8:00 AM MST

### **Blackfoot River at Bonner**

**Discharge, cubic feet per second**

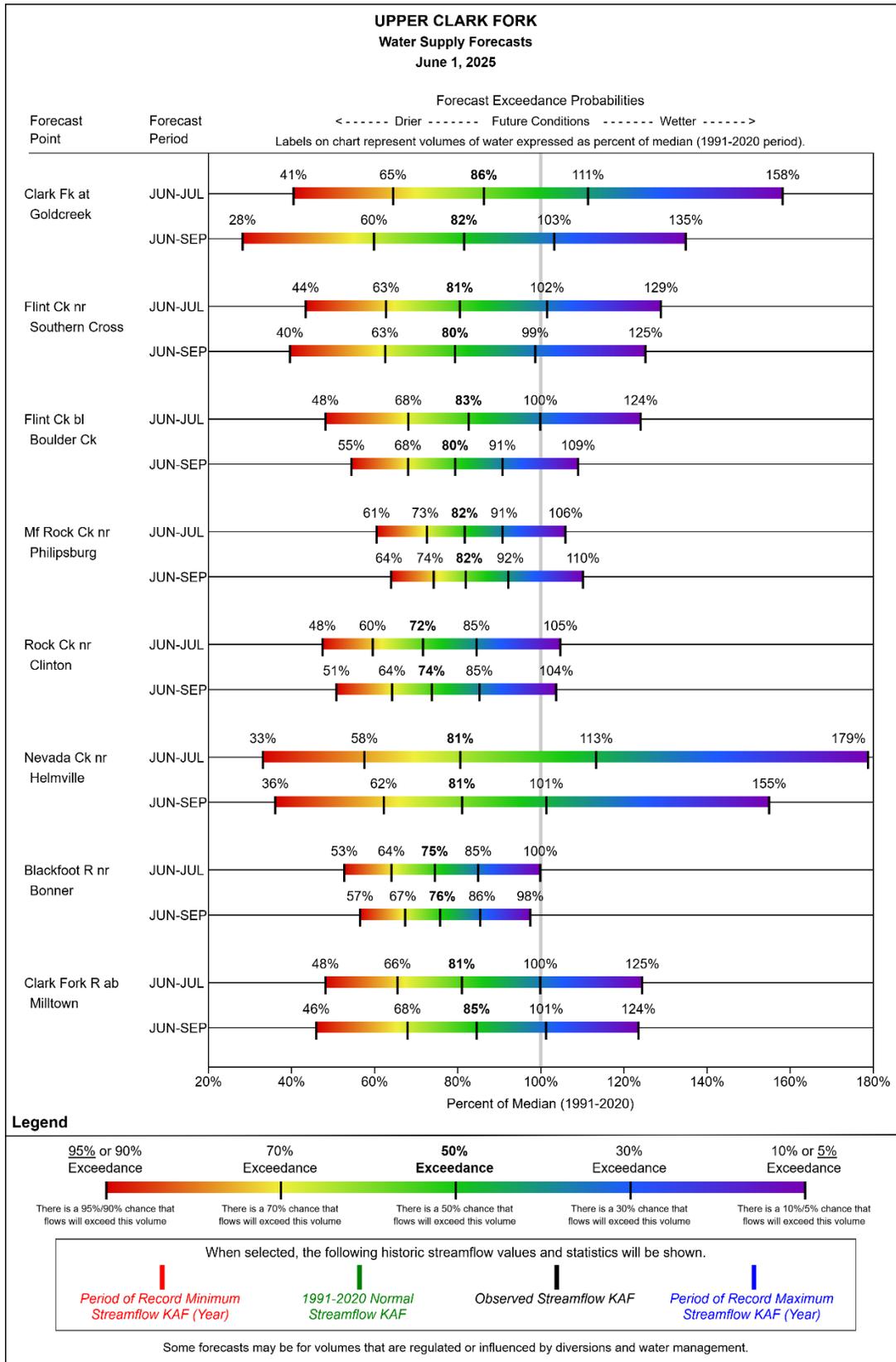
Most recent instantaneous value: 1,980 cfs on 06/06/2025 at 7:45 AM MST

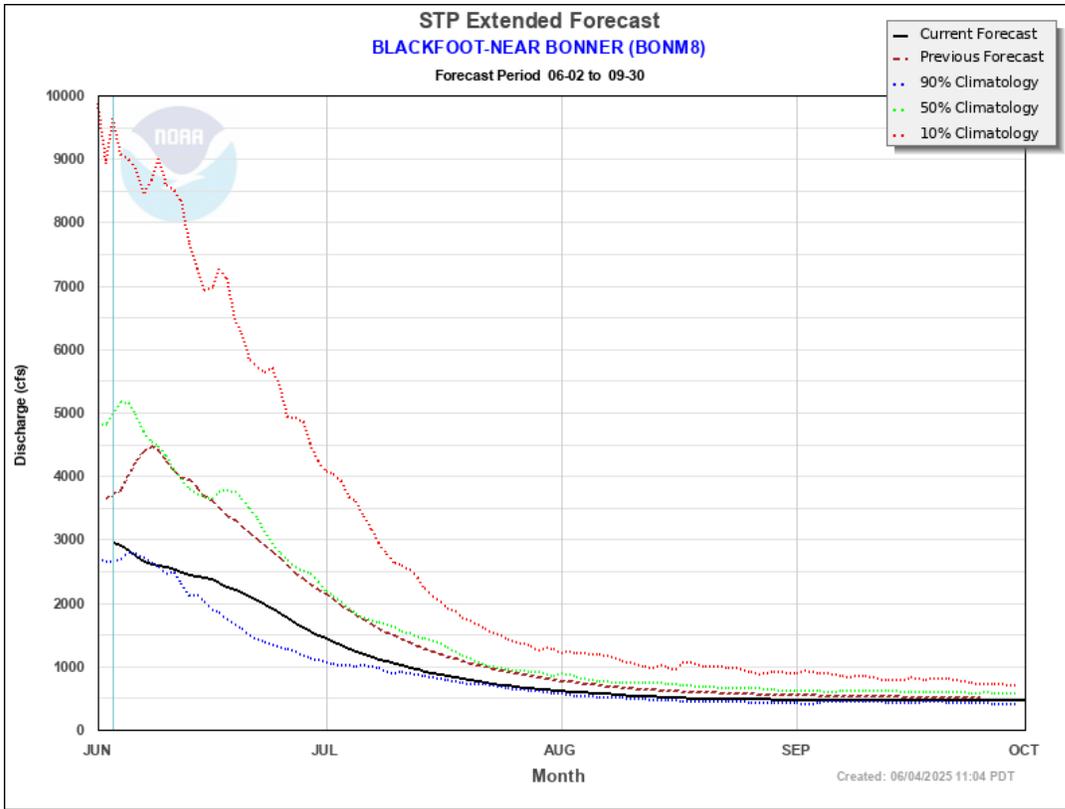
USGS 12340000 Blackfoot River near Bonner MT  
 (Drainage area: 2287 square miles, length of record: 87 - 91 years)



Last updated: 2025-06-05

# Streamflow Forecast:





## Three-Month Climate Outlook: June 2025

National Weather Service Climate Prediction Center

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

Above normal temperatures are favored for June through August.

Below normal precipitation is favored for June through August.

