

Sheridan County Water Year Wrap Up

October 2022 – September 2023



Compiled for SCLT by Rebecca Ash. Contact water@sheridancilt.org for questions and concerns.
<https://stock.adobe.com/uk/images/tongue-river-canyon-of-wyoming-in-fall/226248521>.



Sheridan
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How to Use This Report

What is this report?

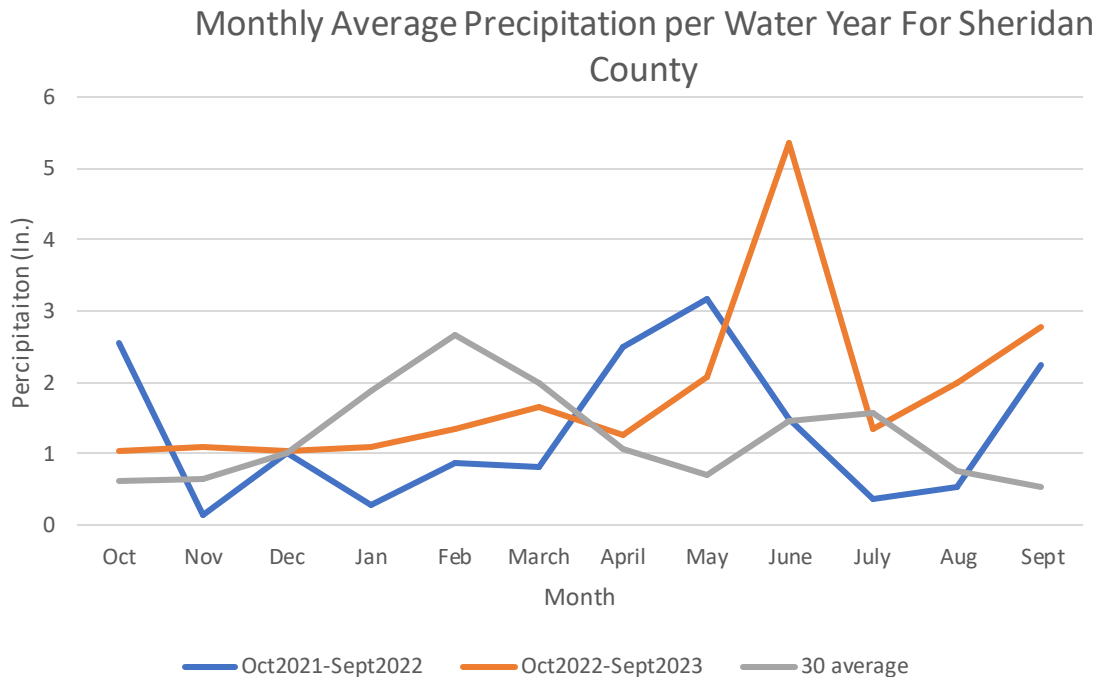
Just like the monthly water supply, this report saves you time from clicking a million links to gain insight on the water supply in Sheridan County. The Water Year Wrap Up report is meant to give you a larger insight about the year. This report also compares some data to the last water year's data. Like a fiscal year, the water year has a start and end date different than our calendar year. It was chosen that the water year would always start on October 1st and end on September 30th. This is because the streams usually flow the lowest during this time of year and create a baseline. Included are interactive links. Make sure to check them out!

• **Helpful Hints:**

- Each page has a little blurb at the top that gives you some helpful information.
- If you would like to know more about a topic, check out the sources at the bottom of the page!
- Sources are precise and bring you as close as possible to the original source.

Precipitation Overview

The water year starts October and ends Sept.30. Due to the water year including months from the previous year the total amount of precipitation within the water year will be different from the amount received in a year recorded from Jan-Dec.

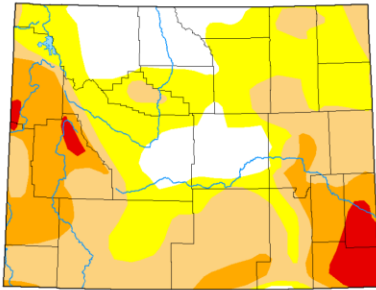


This graph compares this current water year that just ended (Oct 1, 2022-Sept 30, 2023) with the previous water year (Oct 1, 2021-Spet. 30, 2022) as well as the 30-year average for each month. For this past year, we can see that in June Sheridan received significantly more precipitation than the 30-year average. Overall, Sheridan received above average precipitation over the last year, improving any previous year's drought condition.

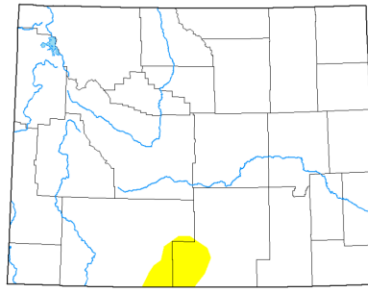
Drought Index and Change

The pictures below show the drought index at the end of the water year of 2022 and of the drought index at the end of the current water year, 2023. Included is a link to an interactive map to compare several different years to each other.

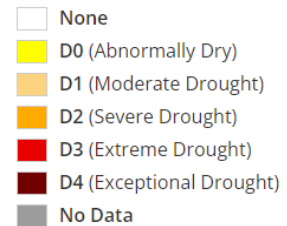
Sept 27, 2022



Sept 26, 2023



Intensity

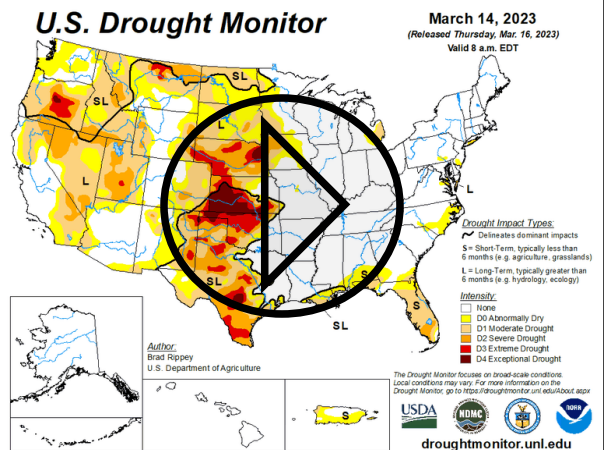


At the end of 2022 water year, the majority of Sheridan County was experiencing abnormally dry conditions. The majority of the state was experiencing some level of drought. At the end of the 2023 water year Sheridan County is starting the new water year free of drought and only a small portion of the state is experiencing abnormally dry conditions.

[Click Here to Explore the Interactive Map!](#)

Drought In the Country

[Click Me](#) to see how drought has changed in the country!



Tongue River Stream Flow

Tongue River at State Line nr Decker MT - 06306300

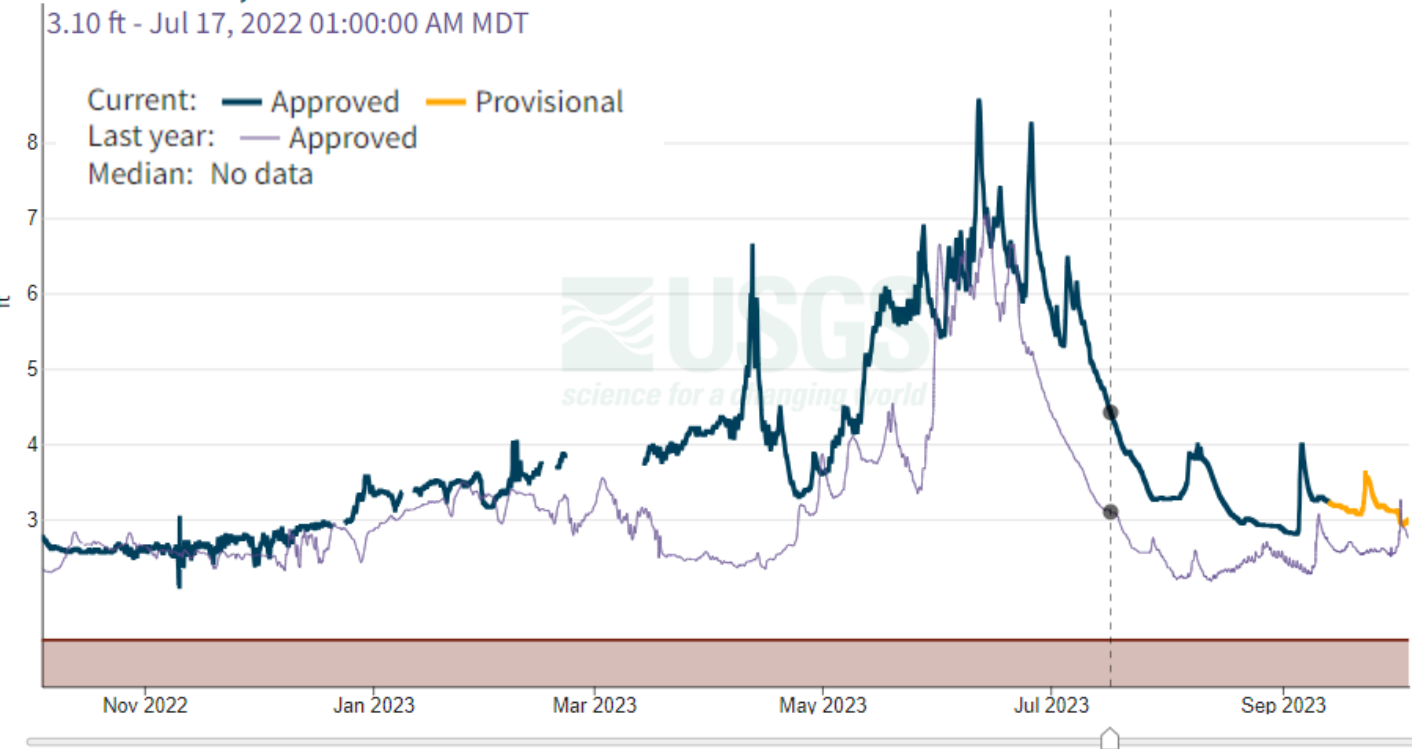
October 4, 2022 - October 4, 2023

Gage height, feet

4.42 ft - Jul 17, 2023 01:00:00 AM MDT

3.10 ft - Jul 17, 2022 01:00:00 AM MDT

Current: — Approved — Provisional
Last year: — Approved
Median: No data



The Tongue River is one of the rivers that flow through Sheridan County. It is heavily relied on for irrigation, recreation, and wildlife and livestock usage. This graph shows the stream flow of the Tongue River comparison to last years stream flow. As you can see the stream flow for this year was overall higher than last year's flow.