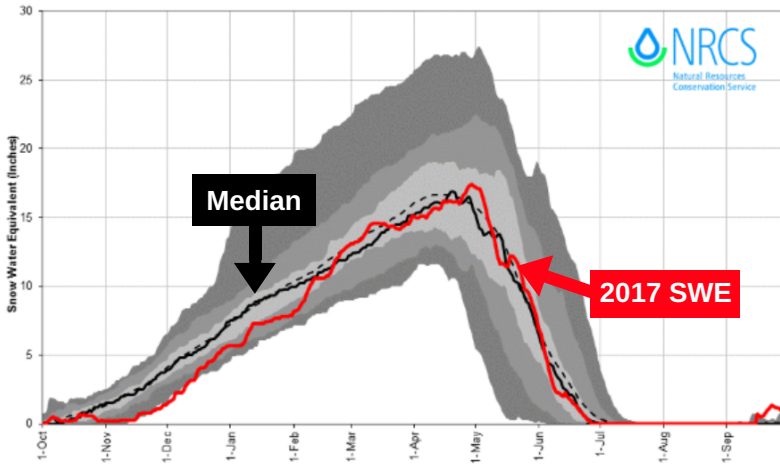


2017 Monitoring Report

Much of Montana experienced record drought conditions this summer although average to high snowpack levels and soil moisture levels were recorded in the spring. Broadwater County was no exception. Monitoring data throughout the county shows average-above average conditions during the spring, and below average conditions throughout the summer into early fall. The timing of precipitation and high temperatures during the summer greatly contributed to severe drought conditions here in Broadwater County.

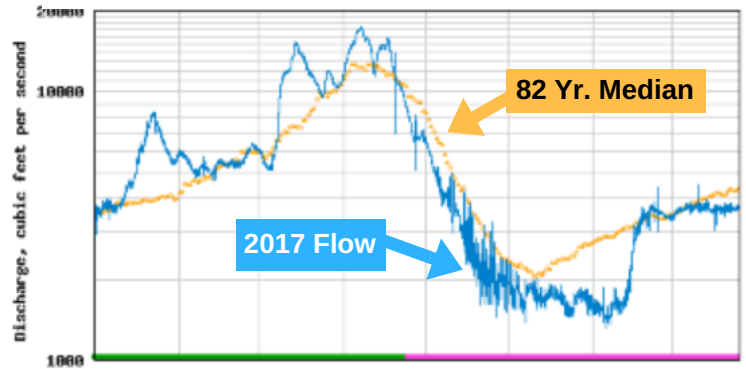
Snowpack/Snow Water Equivalent (SWE)

- Average to Above Average SWE March - the end of April
- Average May through July



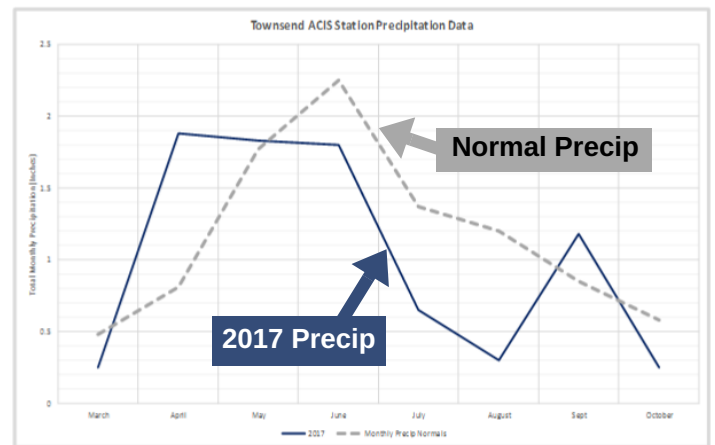
Missouri River Flow @ Toston

- Average to Above Average Flow March - June
- Below Average July through October



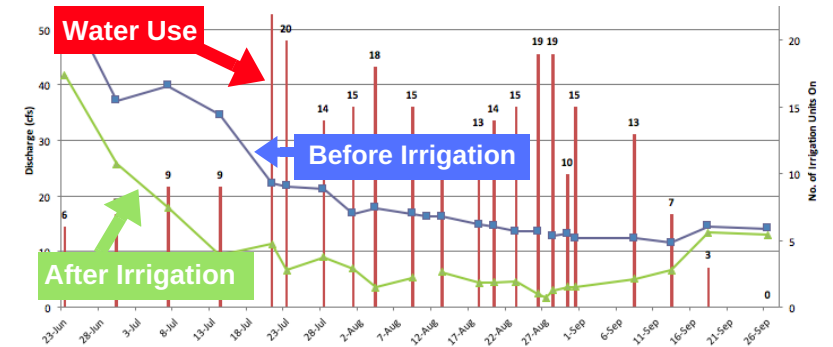
Precipitation

- Townsend received above avg precip March - May and below avg precip June - September
- Broadwater County Precip gauges showed similar data



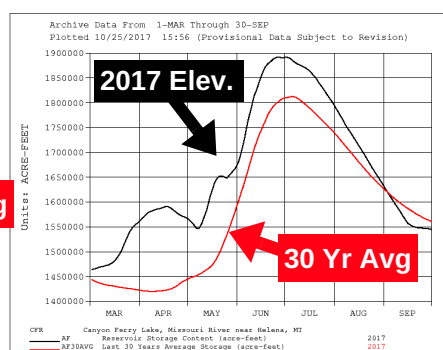
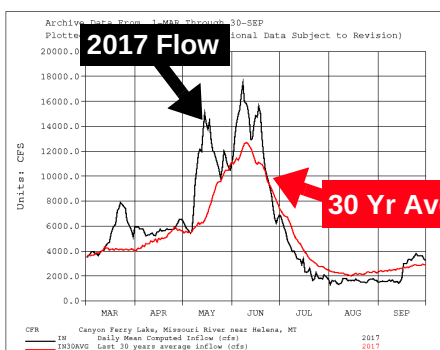
Deep Creek Flows June - Sept

- High Irrigation Demands, minimal precipitation, and hot temperatures all contributed to Deep Creek's low flows June through September



Canyon Ferry Reservoir (CFR)

- LEFT: Daily mean inflow to CFR shows above avg inflow March-June, Below Avg July-September
- RIGHT: CFR Elevation (Acre-Feet) was above average March - Aug



Townsend Avg. Temperature

- Townsend recorded average to above average temperatures March - Mid September

