

BROADWATER COUNTY DROUGHT RESILIENCY INDEX REPORT

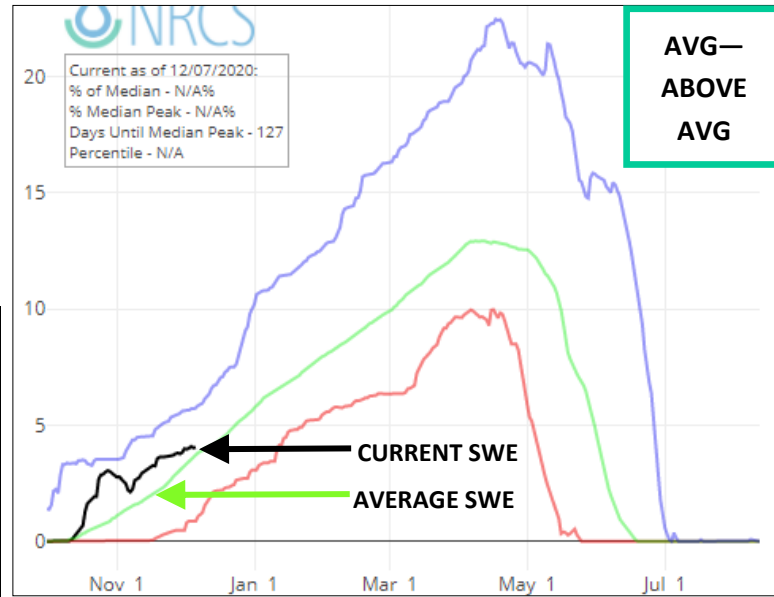
November 2020

SNOWPACK DATA

Upper Missouri Headwaters (Data current as of Dec 7)

- Boulder Snotel station is currently 233% of average snow water equivalent. This is similar to last year's SWE.
- Tizer basin is 100% of average SWE. This is also similar to last year's SWE, with a few tenths of an inch difference.

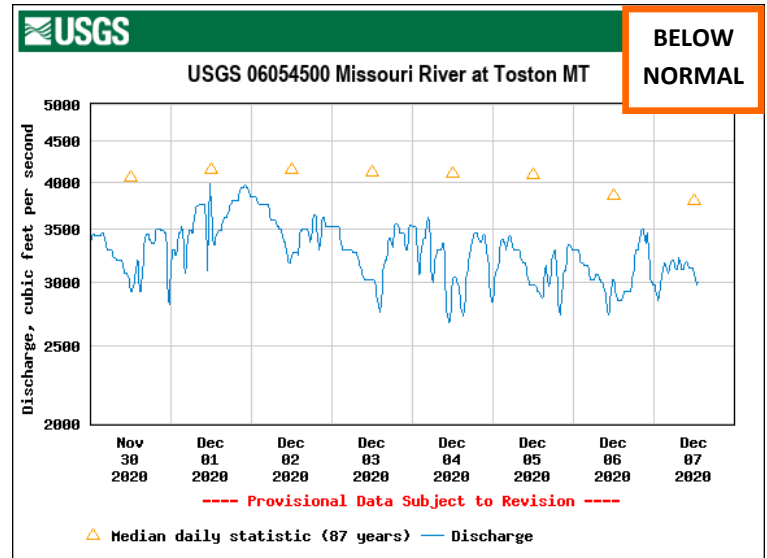
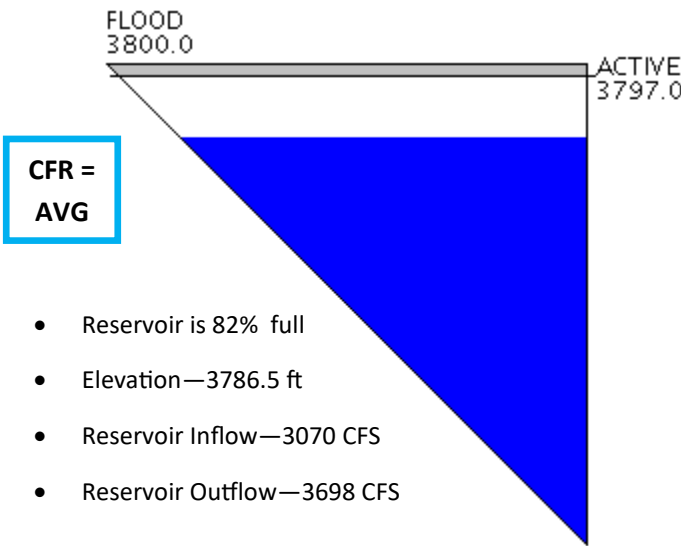
Station	Collection Date	Snow Depth (in)	SWE (in)	SWE % Avg.	Avg. SWE (in)
Boulder	Nov 1 2020	15	3.5	233	1.5
Boulder	Nov 1 2019	18	3.9	260	
Tizer	Nov 1 2020	4	1.1	100	1.1
Tizer	Nov 1 2019	10	1.4	127	



STREAMFLOW and WATER STORAGE DATA

Broadwater County (Data current as of Dec 7)

- Canyon Ferry Reservoir is showing average elevation, inflow, and outflow. The reservoir is currently 83% full and inflow is 96% of average.
- Streamflow is currently below normal at Toston Dam. Data shows below normal flows nearly the full month of November.



Dec 7, 12:00—Discharge is classified as below normal (3070 cfs | 81% normal)

AVG

CLIMATE DATA

Townsend, MT (Data current as of Dec 7)

Townsend Temperature and precipitation has been normal throughout the month of November.

Date	Avg Temp	Normal Temp	Sum Precip	Normal Precip
Nov 2020	34	33	0.00	0.00
Nov 2019	31	33	0.34	0.34

SOIL MOISTURE DATA

Broadwater County, MT (Data current as of Dec 8)

Station	Parameter	2" - surface	8" - shallow rooting	20" - deep rooting
Radersburg	Soil Temp (°F)	29	29	34
Radersburg	Soil Water Content (%)	9%	6.6%	4.2%
Gurnett Crk	Soil Temp (°F)	—	30	36
Gurnett Crk	Soil Water Content (%)	—	8.9%	5.7%