

# BROADWATER COUNTY DROUGHT RESILIENCY INDEX REPORT

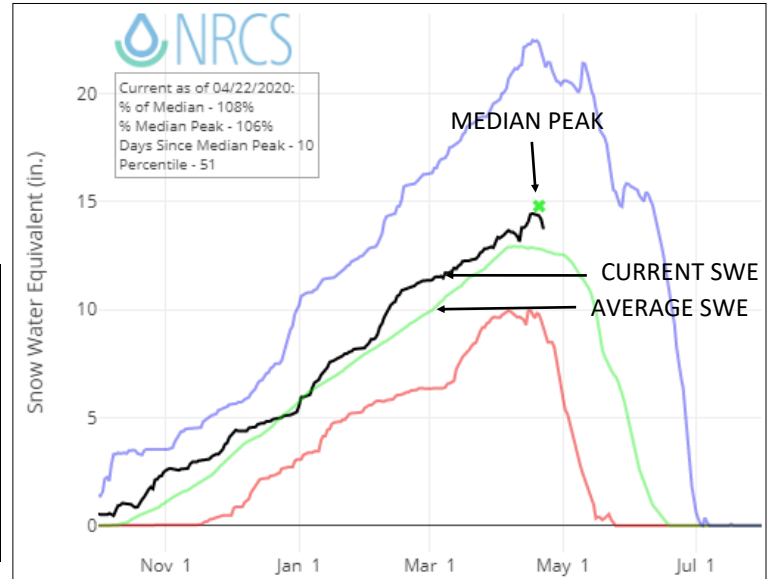
April 2020

## SNOWPACK DATA

Upper Missouri Headwaters (Data current as of April 1)

Overall, mountain and valley precipitation for March was 78% of average. Even with below-normal snow accumulation during the month, the overall basin-wide snowpack is slightly above normal. Tizer Basin is reporting below-normal snowpack totals for April 1st (89%).

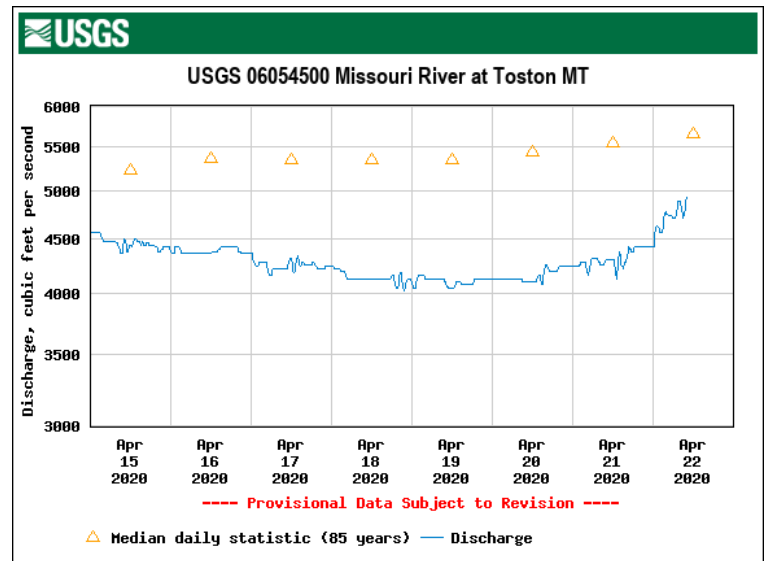
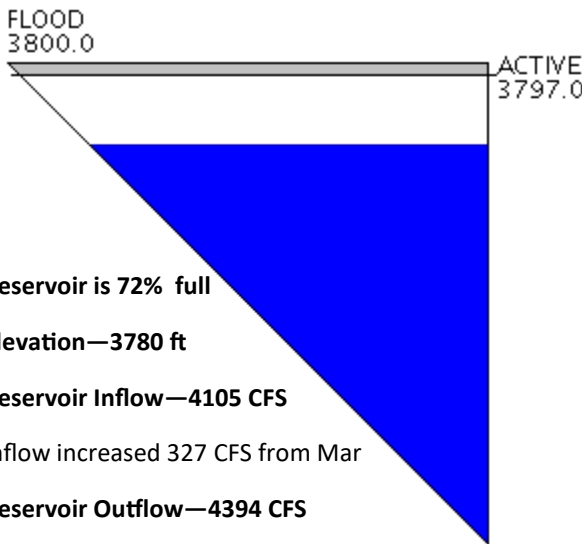
Station	Collection Date	Snow Depth (in)	SWE (in)	SWE % Avg.	Avg. SWE (in)
Boulder	Apr 1 2020	67	19.7	97	20.4
Boulder	Apr 1 2019	68	19.5	96	
Tizer	Apr 1 2020	34	8.4	82	10.3
Tizer	Apr 1 2019	31	10.1	98	



## STREAMFLOW and WATER STORAGE DATA

Broadwater County (Data current as of April 22)

Streamflow is currently normal. Streamflow forecasts within the basin indicate near to slightly above average streamflows are possible for the April 1st -July 31st period. Elevation In Canyon Ferry has decreased by 2 feet since March.



Apr 22, 9:00—Discharge is classified as normal (4710 cfs | 78% normal)

## CLIMATE DATA

Townsend, MT (Data current as of April 22)

Temp in Townsend has been close to normal through Mar–April. Precip was above normal in March and is currently below normal in April.

Date	Avg Temp	Normal Temp	Sum Precip	Normal Precip
Mar 2020	35	37	0.45	0.48
Mar 2019	19	37	0.61	0.48
Apr 2020	38	44	0.11	0.53
Apr 2019	45	45	1.22	0.53

## SOIL MOISTURE DATA

Toston, MT (Data current as of April 22)

The surface and shallow rooting soil temperatures have increased on average near 10 degrees since last month. Soil Water Content has decreased on average 24% since last month.

Toston Soil Probe Depth (in)	Soil Temp (°F)	Soil Water Content (%)
2" - Surface	44°	17%
8" - Shallow rooting	47°	15%
20" - deep rooting	44°	20%