

Blackfoot Water Supply Report

July 29, 2014

Overview

As flows in the Blackfoot have started to drop, the Blackfoot Drought Committee has begun to meet regularly to monitor changing conditions. The latest estimates from the NRCS show we could reach the 700 cfs trigger as soon as August 17 or as late as mid-September. Warm, dry weather is in the forecast for the next 30 days. The Blackfoot Challenge web site will be updated regularly with water supply information and potential drought response measures. Those updates can be viewed here: <http://blackfootchallenge.org/Articles/?p=1589>

For additional questions, please contact:

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Low Flow Forecast

NRCS estimates the Blackfoot may hit the 700 cfs low flow trigger as follows:

700 CFS date is estimated at:	Real Early	Early	Normal	Late	Real Late
	August 17	August 26	September 1	September 7	September 16

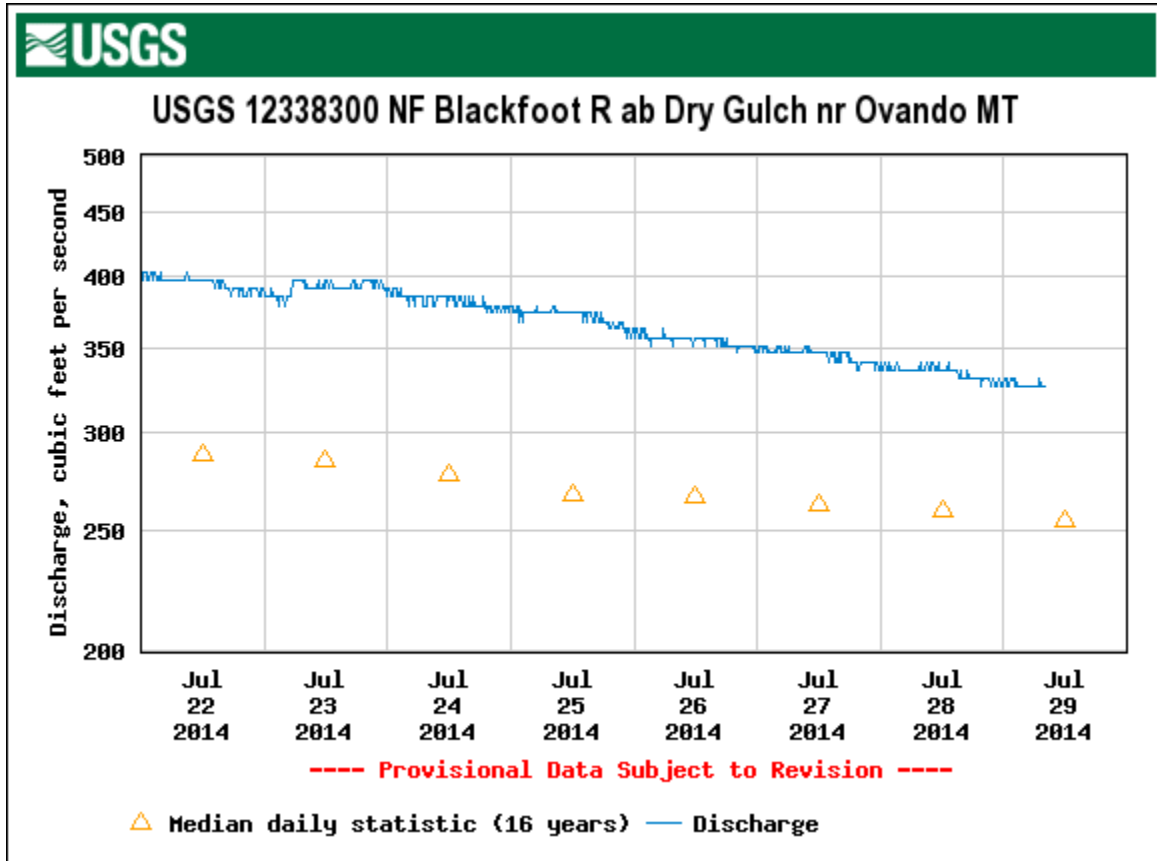
Historic Low Flow Trends

Water Year	Ranking wet to dry 1900 to 2010	Discharge On July 28th	Q and Date when Discharge went below 700 cfs		Annual Discharge (acre feet)
1996	4 th wettest	1010	696	Aug 20th	1,703,000
1997	2 nd wettest	1260	691	Sept. 30th	1,782,700
2009	26 th wettest	1180	698	Aug. 26th	1,268,800
2013	Unranked	730	669	Aug. 13	996,665
2014	Unranked	1,110			

July 29, 2014 USGS Real Time Flow Conditions

**North Fork Blackfoot
Discharge, cubic feet per second**

Most recent instantaneous value: 326 07-29-2014 08:00 MDT

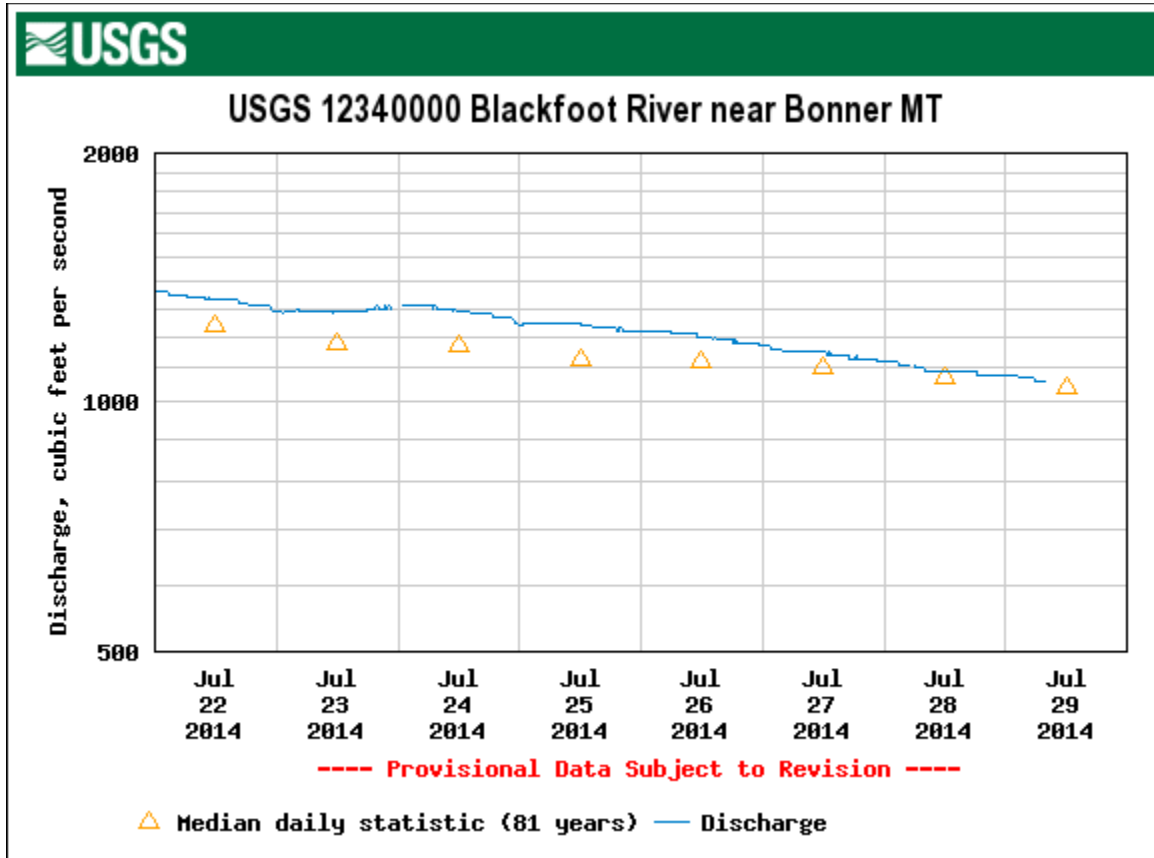


Daily discharge, cubic feet per second -- statistics for Jul 29 based on 16 years of record [more](#)

Min (2001)	25th percentile	Median	Mean	75th percentile	Most Recent Instantaneous Value Jul 29	Max (2011)
205	232	255	296	323	326	682

Blackfoot River at Bonner
Discharge, cubic feet per second

Most recent instantaneous value: 1,060 07-29-2014 07:45 MDT



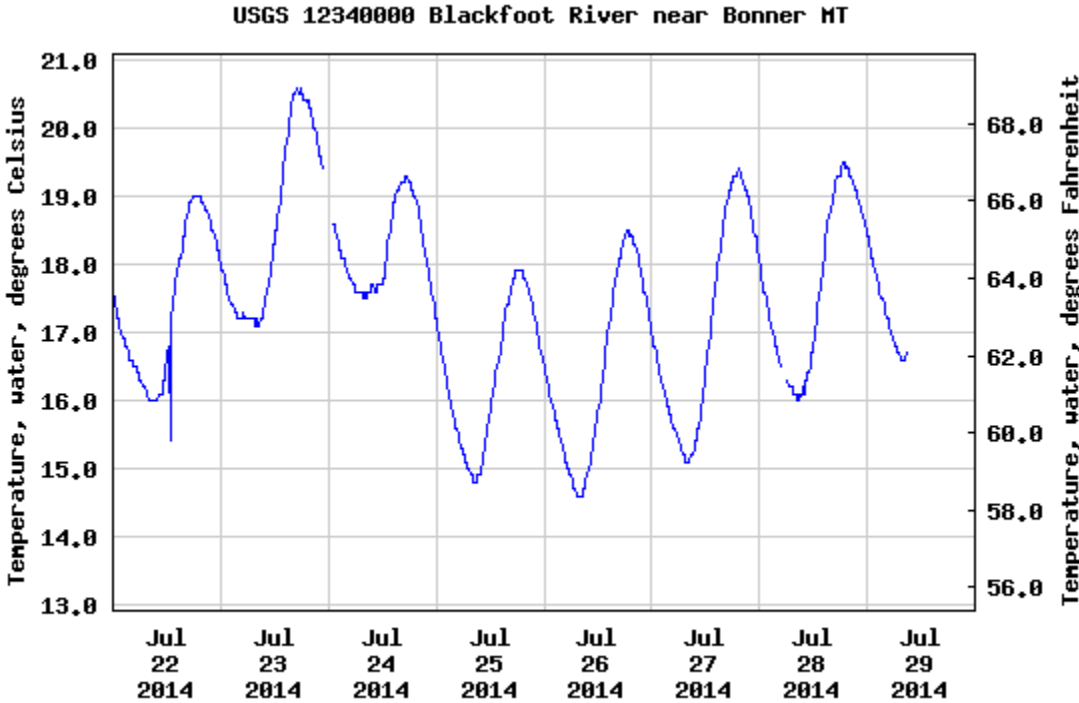
Daily discharge, cubic feet per second -- statistics for Jul 29 based on 81 years of record [more](#)

Min (1988)	25th percentile	Median	Most Recent Instantaneous Value Jul 29	Mean	75th percentile	Max (1899)
409	795	1040	1060	1100	1310	2890

Temperature – Blackfoot at Bonner

Temperature, water, degrees Celsius

Most recent instantaneous value: 16.7 07-29-2014 08:45 MDT



---- Provisional Data Subject to Revision ----

One-Month Outlook July 29, 2014

From
National Weather Service Climate Prediction Center
<http://www.cpc.ncep.noaa.gov/products/predictions/30day/>

Equal chance for normal temperatures;
Slightly elevated chance for above normal
temperatures for far Western Montana.

Equal chances for normal, above or
below normal precipitation; Greater
chance for above normal precipitation for
southern/eastern MT.

