Water-Data Report 2013

06026210 BIG HOLE RIVER NEAR GLEN, MT

Missouri Headwaters Basin
Big Hole Subbasin

LOCATION.--Lat 45°26'24", long 112°33'22" referenced to North American Datum of 1983, in NW ¼ SW ¼ SE ¼ sec.35, T.4 S., R.8 W., Madison County, MT, Hydrologic Unit 10020004, on left bank 50 ft downstream from private suspension bridge, 0.1 mi downstream from Sandy Hollow, 7.0 mi southeast of Glen, and at river mile 17.2.

DRAINAGE AREA.--2,655 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to current year (seasonal records only).

REVISED RECORDS.--WDR MT-10-1: 2003 (M)

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft, referenced to the North American Vertical Datum of 1988.

REMARKS.--Records are good except for estimated daily discharges, which are fair. Figures of discharge for seasons 1998-99 are the sum of river flow, Fred Bryan Ditch on left bank, and Upper and Lower Raffety Ditches on right bank. U.S. Geological Survey satellite telemeter is located at the station. Several unpublished observations of water temperature and specific conductance were made during the year.

06026210 BIG HOLE RIVER NEAR GLEN, MT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

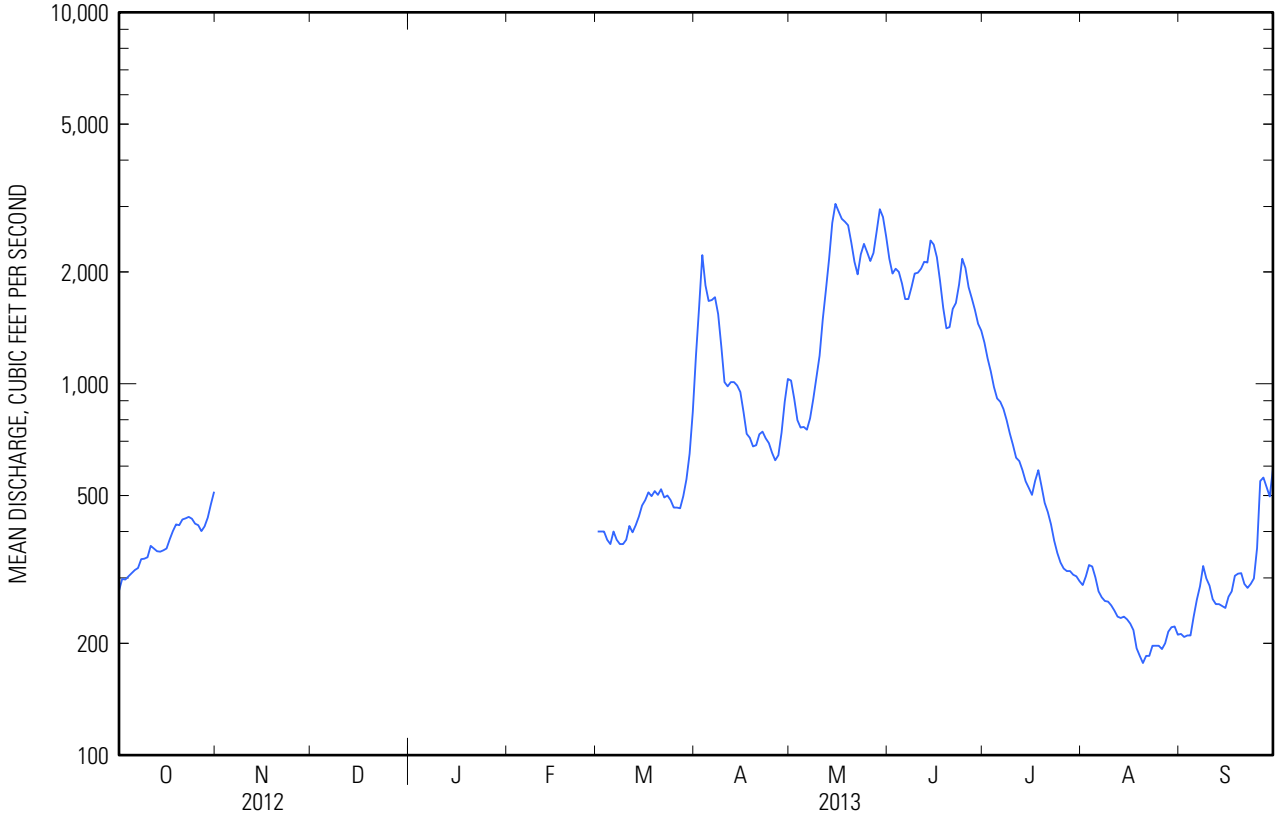
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	277					e400	1,190	1,020	2,170	1,290	287	212
2	298					e400	1,610	911	1,980	1,170	303	208
3	297					e400	2,220	798	2,040	1,080	325	210
4	303					e380	1,840	762	2,000	980	322	210
5	309					e370	1,670	765	1,860	913	301	236
6	315					e400	1,680	752	1,690	894	276	262
7	319					e380	1,710	807	1,690	855	266	285
8	337					e370	1,540	909	1,820	798	260	323
9	338					e370	1,260	1,040	1,980	735	259	299
10	341					e380	1,010	1,190	1,990	684	253	286
11	366					414	984	1,490	2,040	632	245	263
12	360					398	1,010	1,790	2,130	619	236	255
13	354					416	1,010	2,170	2,120	585	234	255
14	353					439	989	2,710	2,430	546	236	252
15	356					470	950	3,050	2,370	524	232	249
16	360					486	840	2,910	2,190	502	226	267
17	381					510	733	2,780	1,890	548	217	276
18	401					498	715	2,730	1,600	585	194	304
19	418					514	678	2,670	1,410	530	185	308
20	416					502	683	2,400	1,420	478	177	309
21	431					520	731	2,130	1,590	451	185	289
22	434					494	743	1,970	1,650	418	185	282
23	438					500	713	2,230	1,850	378	197	289
24	433					486	692	2,380	2,170	350	197	299
25	420					464	652	2,260	2,050	330	197	361
26	416					464	622	2,140	1,820	318	193	547
27	401					462	642	2,250	1,700	313	200	559
28	413					498	738	2,570	1,580	313	215	527
29	436					553	894	2,950	1,450	306	221	497
30	474					648	1,030	2,810	1,390	303	222	589
31	512					840	---	2,490	---	294	211	---
Total	11,707					14,426	31,779	59,834	56,070	18,722	7,257	9,508
Mean	378					465	1,059	1,930	1,869	604	234	317
Max	512					840	2,220	3,050	2,430	1,290	325	589
Min	277					370	622	752	1,390	294	177	208
Ac-ft	23,220					28,610	63,030	118,700	111,200	37,140	14,390	18,860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	473					576	1,285	2,536	3,280	1,096	341	311
Max	708					1,324	2,587	4,068	7,766	3,783	774	553
(WY)	(1998)					(2007)	(2012)	(2009)	(2011)	(2011)	(2011)	(2010)
Min	318					362	491	1,133	1,274	394	149	204
(WY)	(2004)					(2008)	(2005)	(2004)	(2004)	(2007)	(2000)	(2006)

06026210 BIG HOLE RIVER NEAR GLEN, MT—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1998 - 2013	
Highest daily mean	5,970	Apr 28	3,050	May 15	11,600	Jun 10, 2011
Lowest daily mean	200	Sep 10	177	Aug 20	122	Aug 29, 2000
Maximum peak flow			3,150	Apr 3	11,900	Jun 10, 2011
Maximum peak stage			4.26	Apr 3	7.63	Jun 10, 2011
Instantaneous low flow					[a]111	Aug 24, 2006

[a]Gage height, 1.84 ft.