Water-Data Report 2012

12338300 NORTH FORK BLACKFOOT RIVER ABOVE DRY GULCH, NEAR OVANDO, MT

Pend Oreille Basin
Blackfoot Subbasin

LOCATION.--Lat 46°58'48", long 113°05'28" referenced to North American Datum of 1983, in NW ¼ SW ¼ SW ¼ sec.11, T.14 N., R.12 W., Powell County, MT, Hydrologic Unit 17010203, on right bank 400 ft upstream from county road bridge, 0.9 mi upstream from Dry Gulch, 3.2 mi southeast of Ovando, and at river mile 2.5.

DRAINAGE AREA.--314 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,060 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are good. Numerous diversions for irrigation occur upstream from station. 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 Several unpublished observations of water temperature and specific conductance were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964 reached a discharge of 11,800 ft^3/s, from slope-area measurement of peak flow, as determined at North Fork Blackfoot River near Ovando (station 12338000), 9 mi upstream. Flood of May 22, 1948 reached a discharge of about 4,380 ft^3/s, from slope-area measurement of peak flow at same site.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 12338300, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/12338300.2012.pdf

12338300 NORTH FORK BLACKFOOT RIVER ABOVE DRY GULCH, NEAR OVANDO, MT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

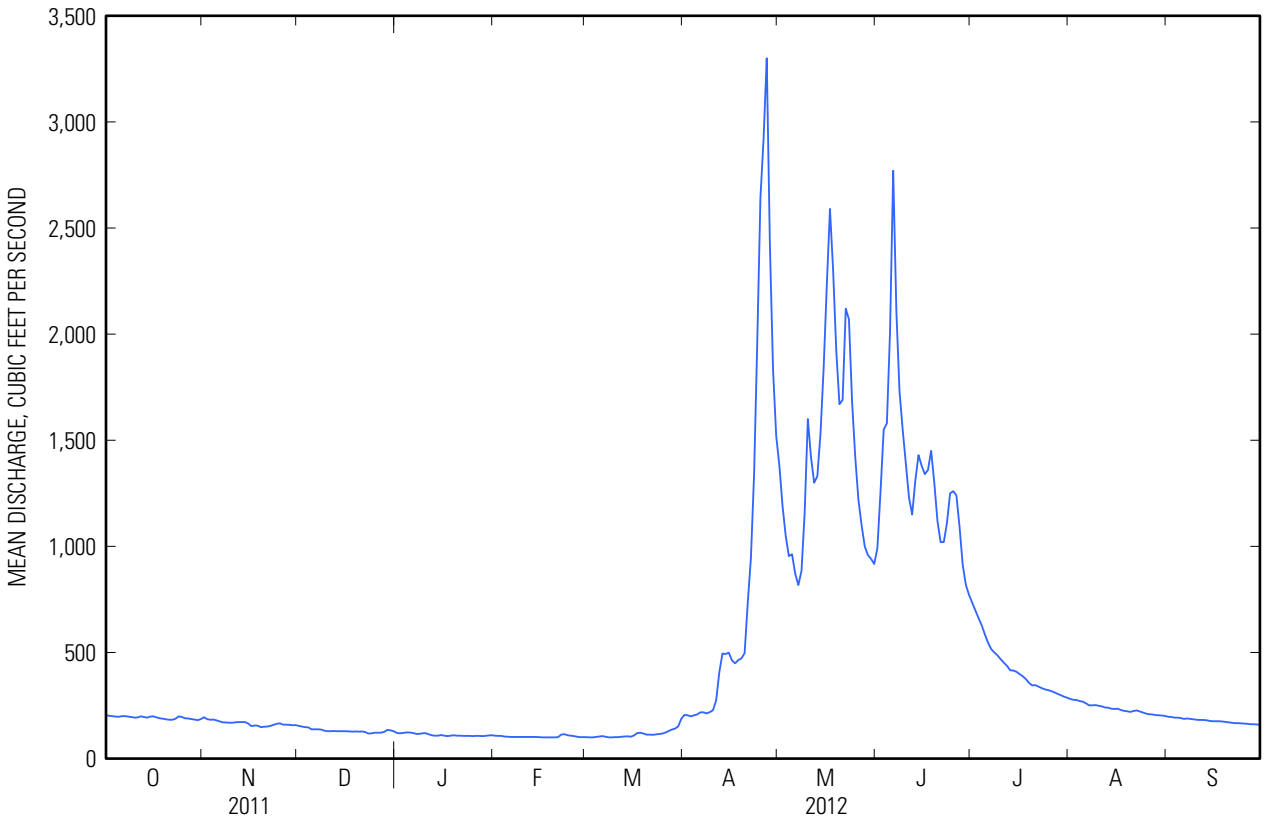
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	204	195	154	121	108	101	206	1,380	992	734	281	197
2	202	186	151	119	107	100	204	1,190	1,260	698	277	196
3	200	183	148	121	107	100	199	1,050	1,550	662	276	193
4	198	184	147	123	104	102	204	954	1,580	628	271	193
5	197	180	138	123	103	104	208	963	2,010	585	268	191
6	200	175	138	121	102	106	218	872	2,770	546	260	187
7	200	171	138	117	102	103	218	818	2,110	516	251	189
8	198	170	137	116	102	100	213	884	1,730	500	251	187
9	196	169	132	119	102	100	219	1,160	1,550	486	252	185
10	193	169	129	120	102	101	228	1,600	1,390	468	249	183
11	194	171	129	115	102	101	274	1,420	1,230	452	246	182
12	199	172	130	110	102	103	407	1,300	1,150	437	241	182
13	196	172	129	108	102	104	495	1,330	1,310	416	240	181
14	193	172	129	108	102	105	493	1,530	1,430	415	235	178
15	198	165	129	111	101	103	499	1,840	1,380	409	234	176
16	199	153	129	108	100	109	463	2,230	1,340	398	235	176
17	194	156	128	106	100	120	449	2,590	1,360	388	229	176
18	190	155	127	108	100	122	464	2,300	1,450	374	225	175
19	188	148	128	110	100	118	472	1,920	1,300	356	223	173
20	185	150	127	108	100	113	497	1,670	1,120	345	220	171
21	183	151	128	108	101	113	735	1,690	1,020	346	224	169
22	183	154	125	107	113	112	947	2,120	1,020	339	227	167
23	188	159	118	107	115	114	1,340	2,070	1,110	332	222	167
24	199	164	119	107	110	116	1,960	1,680	1,250	326	217	166
25	196	166	122	106	108	118	2,640	1,420	1,260	323	212	165
26	190	160	122	107	106	123	2,920	1,220	1,240	318	209	164
27	189	160	122	107	103	130	3,300	1,100	1,090	312	208	162
28	186	159	126	106	101	137	2,420	1,000	911	305	205	162
29	184	157	135	107	101	141	1,830	959	818	299	204	161
30	181	158	133	109	---	152	1,520	941	771	292	203	159
31	186	---	129	110	---	188	---	917	---	287	201	---
Total	5,989	4,984	4,076	3,473	3,006	3,559	26,242	44,118	40,502	13,292	7,296	5,313
Mean	193	166	131	112	104	115	875	1,423	1,350	429	235	177
Max	204	195	154	123	115	188	3,300	2,590	2,770	734	281	197
Min	181	148	118	106	100	100	199	818	771	287	201	159
Ac-ft	11,880	9,890	8,080	6,890	5,960	7,060	52,050	87,510	80,340	26,360	14,470	10,540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	157	155	125	109	101	111	368	1,283	1,298	485	232	179
Max	193	316	183	148	154	232	875	1,681	2,885	1,471	408	242
(WY)	(2012)	(2007)	(2007)	(2005)	(2005)	(2007)	(2012)	(2006)	(2011)	(2011)	(2011)	(2011)
Min	119	114	98.7	88.1	82.3	75.2	116	559	763	265	167	128
(WY)	(2002)	(2002)	(2006)	(2010)	(2001)	(2006)	(2008)	(2010)	(2007)	(2001)	(2001)	(2001)

12338300 NORTH FORK BLACKFOOT RIVER ABOVE DRY GULCH, NEAR OVANDO, MT—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1998 - 2012	
Annual total	235,514		161,850			
Annual mean	645		442		384	
Highest annual mean					637	2011
Lowest annual mean					242	2001
Highest daily mean	4,360	Jun 8	3,300	Apr 27	4,360	Jun 8, 2011
Lowest daily mean	100	Feb 1	100	Feb 16	70	Feb 18, 2006
Annual seven-day minimum	103	Feb 26	100	Feb 15	73	Mar 9, 2006
Maximum peak flow			3,590	Apr 27	4,700	Jun 7, 2011
Maximum peak stage			5.83	Apr 27	6.59	Jun 7, 2011
Instantaneous low flow					[a]69	Mar 18, 2001
Annual runoff (ac-ft)	467,100		321,000		278,400	
10 percent exceeds	2,420		1,330		1,020	
50 percent exceeds	199		188		166	
90 percent exceeds	108		106		91	

[a]Gage height, 2.35 ft.