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

Pend Oreille Basin
Blackfoot Subbasin

LOCATION.--Lat 46°58′48″, long 113°05′25″ referenced to North American Datum of 1927, 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 Several unpublished observations of water temperature and specific conductance were made during the year.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 about May 22, 1948 reached a discharge of 4,380 ft^3/s, from slope-area measurement of peak flow at same site.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	150	127	209	146	110	108	374	1,330	977	391	222	166
2	150	126	202	157	108	103	360	1,520	1,030	378	220	163
3	149	129	198	159	107	103	344	2,010	1,100	367	217	161
4	147	132	196	157	108	108	333	1,720	1,100	363	214	158
5	147	137	202	155	112	106	326	1,350	1,170	345	214	158
6	147	144	199	156	116	106	313	1,160	1,160	333	213	157
7	146	446	200	153	119	108	308	1,090	1,110	330	209	156
8	146	1,340	198	152	121	111	317	1,120	957	322	207	156
9	147	785	200	150	121	113	355	1,320	905	316	204	156
10	147	540	200	150	121	113	372	1,590	890	309	203	161
11	146	450	202	135	121	118	359	1,720	896	304	203	164
12	144	387	204	e120	117	147	348	1,760	856	298	201	160
13	144	355	204	e105	116	190	338	1,870	808	292	201	158
14	143	336	201	114	117	213	340	1,630	781	298	197	156
15	143	301	207	115	117	195	369	1,390	737	289	195	154
16	146	304	194	107	118	193	385	1,310	700	283	193	153
17	144	272	176	105	115	191	404	1,360	737	281	192	152
18	144	269	e170	107	112	229	457	1,490	704	282	190	152
19	144	252	172	110	111	256	450	1,580	648	272	188	152
20	147	263	169	116	112	283	428	1,530	601	266	191	152
21	146	267	166	121	110	277	412	1,370	592	260	191	152
22	144	263	164	123	111	279	406	1,200	585	257	188	150
23	143	256	161	124	113	279	423	1,040	569	255	185	159
24	142	249	163	125	108	294	485	967	545	252	179	155
25	140	247	167	123	110	390	581	943	523	247	172	152
26	140	234	164	121	109	484	648	924	496	242	170	149
27	138	239	162	116	106	484	694	927	462	242	168	147
28	137	223	161	111	105	446	783	993	435	236	167	146
29	137	212	158	112	---	399	1,070	980	415	230	165	147
30	137	207	151	109	---	383	1,240	953	409	229	164	147
31	128	---	149	110	---	382	---	949	---	227	164	---
Total	4,453	9,492	5,669	3,964	3,171	7,191	14,022	41,096	22,898	8,996	5,987	4,649
Mean	144	316	183	128	113	232	467	1,326	763	290	193	155
Max	150	1,340	209	159	121	484	1,240	2,010	1,170	391	222	166
Min	128	126	149	105	105	103	308	924	409	227	164	146
Ac-ft	8,830	18,830	11,240	7,860	6,290	14,260	27,810	81,510	45,420	17,840	11,880	9,220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	154	157	126	108	101	116	370	1,233	1,124	395	214	170
Max	186	316	183	148	154	232	542	1,681	1,940	626	280	197
(WY)	(2005)	(2007)	(2007)	(2005)	(2005)	(2007)	(2004)	(2006)	(1999)	(1999)	(1999)	(1999)
Min	119	114	98.7	88.3	82.3	75.2	121	801	763	265	167	128
(WY)	(2002)	(2002)	(2006)	(2004)	(2001)	(2006)	(2001)	(2001)	(2007)	(2001)	(2001)	(2001)

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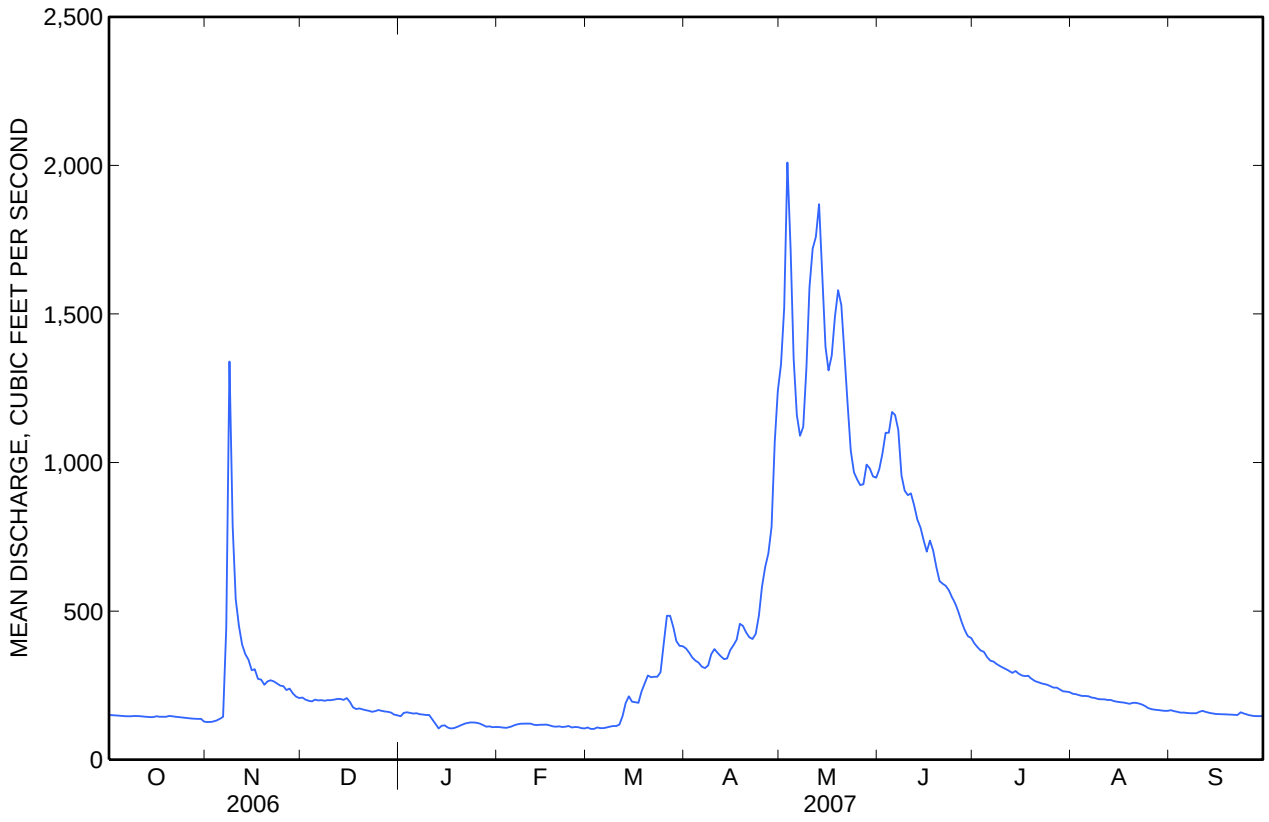
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1998 - 2007	
Annual total	142,683		131,588			
Annual mean	391		361		356	
Highest annual mean					456	1999
Lowest annual mean					242	2001
Highest daily mean	3,090	May 18	2,010	May 3	3,870	May 26, 1999
Lowest daily mean	70	Feb 18	103	Mar 2	70	Feb 18, 2006
Annual seven-day minimum	73	Mar 9	106	Feb 27	73	Mar 9, 2006
Maximum peak flow			2,370	May 3	[b]4,280	May 26, 1999
Maximum peak stage			5.08	May 3	5.92	May 20, 2003
Instantaneous low flow			[a]95	Feb 28	[c]69	Mar 18, 2001
Annual runoff (ac-ft)	283,000		261,000		258,200	
10 percent exceeds	1,150		961		962	
50 percent exceeds	179		200		165	
90 percent exceeds	76		115		91	

[a] Gage height, 2.48 ft.
[b] Gage height, 5.75 ft.
[c] Gage height, 2.35 ft.