

Water-Data Report 2012

06177825 REDWATER RIVER NEAR VIDA MT

Missouri-Poplar Basin
Redwater Subbasin

LOCATION.--Lat 47°54'08", long 105°12'46" referenced to North American Datum of 1983, McCone County, MT, Hydrologic Unit 10060002, in SW ¼ sec. 24 T.25N, R.50E, on right bank at downstream side of bridge on FAS Highway 201, 400 ft. downstream from East Redwater River and 13.7 miles northeast of Vida Post Office at mile 30.6.

DRAINAGE AREA.--1,974 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1975 to September 1985, June 2012 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,100 ft. from topographic map.

REMARKS.--Records are good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,500 acres above station of which about 800 acres is flood irrigated. Many stock ponds and small reservoirs on tributaries upstream.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1									e20	4.8	3.4	1.7
2									e20	4.8	3.6	1.7
3									e18	3.8	4.3	1.6
4									e18	4.0	4.3	1.6
5									e20	3.8	4.8	1.8
6									e21	4.2	4.4	1.5
7									20	4.7	3.8	2.0
8									18	4.2	3.7	1.9
9									18	3.7	3.0	1.9
10									18	3.1	3.1	1.8
11									16	3.1	3.3	1.6
12									17	3.1	3.1	1.7
13									16	2.7	3.4	1.6
14									14	3.0	4.0	1.7
15									14	4.4	3.6	1.7
16									14	4.1	4.5	1.6
17									13	4.1	4.1	2.0
18									12	6.2	3.9	1.8
19									12	5.1	3.9	1.7
20									11	4.0	3.6	1.6
21									11	3.7	3.2	1.6
22									9.9	3.5	2.9	1.6
23									9.1	2.8	2.8	1.7
24									7.5	4.0	2.5	1.7
25									7.4	3.1	2.2	1.7
26									7.6	2.8	2.3	1.6
27									6.5	3.0	2.0	1.8
28									6.4	3.1	2.2	1.6
29									6.1	2.7	1.9	1.6
30									5.8	2.6	2.0	1.5
31									---	2.4	1.4	---
Total									407.3	114.6	101.2	50.9
Mean									13.6	3.70	3.26	1.70
Max									21	6.2	4.8	2.0
Min									5.8	2.4	1.4	1.5
Ac-ft									808	227	201	101

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2012, BY WATER YEAR (WY)*

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.50	4.88	3.09	2.92	74.3	117	129	28.8	49.4	40.2	7.66	4.59
Max	13.4	10.5	7.47	14.4	409	512	1,018	145	178	213	49.5	32.7
(WY)	(1979)	(1979)	(1979)	(1983)	(1982)	(1978)	(1979)	(1979)	(1976)	(1978)	(1981)	(1978)
Min	0.38	1.25	0.41	0.00	0.00	6.79	5.53	2.74	1.40	0.00	0.00	0.01
(WY)	(1984)	(1985)	(1978)	(1978)	(1978)	(1984)	(1981)	(1981)	(1985)	(1985)	(1977)	(1983)

*During periods of operation, October 1975 to September 1985, June 2012 to current year.

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SUMMARY STATISTICS

	Water Year 2012		Water Years 1976 – 2012*	
Annual mean			39.1	
Highest annual mean			121	1979
Lowest annual mean			4.60	1977
Highest daily mean	21	Jun 6	5,810	Apr 10, 1979
Lowest daily mean	1.4	Aug 31	0.00	Jul 28, 1977 ^a
Annual seven-day minimum			0.00	Jul 28, 1977
Maximum peak flow	22	Jun 6	8,230	Apr 10, 1979
Maximum peak stage	1.36	Jun 6	8.82	Apr 10, 1979
Annual runoff (ac-ft)			27,590	
10 percent exceeds			56	
50 percent exceeds			4.1	
90 percent exceeds			0.27	

*During periods of operation, October 1975 to September 1985, June 2012 to current year.

^aNo flow at times most years.

