



Water-Data Report 2012

06155030 MILK RIVER NEAR DODSON, MT

Milk Basin
Middle Milk Subbasin

LOCATION.--Lat 48°24'10", long 108°17'39" referenced to North American Datum of 1983, in NE ¼ SE ¼ NW ¼ sec.36, T.31 N., R.26 E., Phillips County, MT, Hydrologic Unit 10050004, on left bank 30 ft downstream from U.S. Highway 2 bridge, 0.95 mi downstream from Dodson Dam, 1.9 mi west of Dodson, and at river mile 273.2.

DRAINAGE AREA.--11,192 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1982 to current year (seasonal records beginning water year 1994).

GAGE.--Water-stage recorder. Elevation of gage is 2,250 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are fair except estimated daily discharges, which are poor. Numerous diversions for irrigation occur upstream from the 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 Several unpublished observations of water temperature and specific conductance were made during the year.

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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	1.5					e140	279	11	1,030	625	22	22
2	1.4					e140	115	11	1,040	599	21	22
3	1.3					e140	12	11	1,030	501	22	22
4	0.99					e140	12	60	964	405	22	22
5	0.42					e140	12	160	911	227	26	22
6	0.32					e140	12	337	853	128	27	22
7	0.51					e140	12	397	527	51	27	22
8	0.32					e150	11	495	540	27	23	23
9	0.21					e170	11	593	480	22	22	22
10	0.20					e200	11	629	404	25	22	22
11	0.20					e220	11	582	301	28	22	22
12	0.18					e250	11	593	245	22	22	22
13	0.18					e280	11	609	353	20	22	22
14	0.19					e300	11	648	423	20	22	22
15	0.18					e320	11	659	665	20	22	22
16	0.18					e350	11	638	603	29	22	22
17	0.18					e380	11	581	481	145	22	22
18	0.18					397	11	561	510	202	22	22
19	0.18					356	11	352	553	202	21	22
20	0.18					293	11	287	651	203	20	22
21	0.17					297	11	254	717	152	20	21
22	0.15					255	11	340	713	58	21	21
23	0.16					250	11	322	760	38	22	20
24	0.28					244	11	272	787	62	22	20
25	0.19					247	11	251	747	63	21	19
26	0.18					233	11	350	749	50	21	19
27	0.18					260	11	459	689	28	22	19
28	32					279	11	745	679	22	22	19
29	123					268	11	1,230	678	22	22	19
30	305					263	11	1,190	646	24	22	19
31	420					269	---	1,070	---	23	22	---
Total	890.31					7,511	707	14,697	19,729	4,043	688	637
Mean	28.7					242	23.6	474	658	130	22.2	21.2
Max	420					397	279	1,230	1,040	625	27	23
Min	0.15					140	11	11	245	20	20	19
Ac-ft	1,770					14,900	1,400	29,150	39,130	8,020	1,360	1,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2012, BY WATER YEAR (WY)*

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	167	97.2	71.3	83.2	129	393	267	317	450	176	51.2	103
Max	2,688	421	275	230	526	2,252	3,872	3,227	4,972	867	362	1,727
(WY)	(1987)	(1987)	(1987)	(1990)	(1986)	(1996)	(2011)	(2011)	(2011)	(2010)	(1993)	(1986)
Min	5.07	0.01	0.00	18.2	20.3	0.14	0.21	3.10	0.42	1.06	0.03	0.01
(WY)	(1991)	(2005)	(2005)	(1985)	(1985)	(2005)	(2005)	(2005)	(2004)	(2005)	(2006)	(2006)

*During periods of record October 1982 to current year (seasonal records beginning water year 1994).

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1982 – 2012*	
Annual mean					163	
Highest annual mean					524	1986
Lowest annual mean					36.6	1985
Highest daily mean	8,040	Jun 9	1,230	May 29	11,500	Sep 26, 1986
Lowest daily mean	0.15	Oct 22	0.15	Oct 22	0.00	Sep 16, 1983 ^a
Maximum peak flow			1,430	May 29	13,200	Sep 26, 1986
Maximum peak stage			12.21	May 29	29.79	Sep 26, 1986
Annual runoff (ac-ft)					118,200	
10 percent exceeds					273	
50 percent exceeds					59	
90 percent exceeds					7.7	

*During periods of record October 1982 to current year (seasonal records beginning water year 1994).

^aNo flow at times most years.

