Water-Data Report 2013

13075000 MARSH CREEK NEAR MCCAMMON, ID

Upper Snake Basin
Portneuf Subbasin

LOCATION.--Lat 42°37′48″, long 112°13′32″ referenced to North American Datum of 1983, in SW ¼ NE ¼ NE ¼ sec.22, T.9 S., R.36 E., Bannock County, ID, Hydrologic Unit 17040208, McCammon quad., 70 ft upstream from county road crossing, 2 mi southwest of McCammon, and at mile 11.0.

DRAINAGE AREA.--353 mi^2, mean elevation, 5,630 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR ID-80-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,610 ft above NGVD of 1929, by barometer. Prior to July 14, 1965, nonrecording gage 10 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 19,000 acres, of which about 5,500 acres are by withdrawals from ground water and about 5,000 acres are by diversions into Marsh Creek basin from Portneuf River through the Marsh Valley Canal (1966 determination). Part of Birch Creek (tributary to Marsh Creek) is diverted into Devil Creek in Bear River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 1,120 ft^3/s Feb. 12, 1962, gage height, 13.25 ft; minimum daily, 7.2 ft^3/s June 1, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 148 ft^3/s Mar. 14, gage height 4.09 ft; minimum, 8.9 ft^3/s June 14, gage height, 2.27 ft; minimum gage height 2.17 ft, Feb. 24.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 13075000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/13075000.2013.pdf

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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	35	44	48	e37	42	45	58	38	27	20	28	24
2	33	43	48	e35	43	42	57	36	24	18	30	35
3	30	43	50	e37	43	46	57	42	24	17	28	41
4	36	43	48	e38	42	48	57	35	20	18	27	27
5	39	43	57	40	42	46	60	31	16	18	27	29
6	37	43	57	39	43	51	63	32	14	21	26	28
7	38	45	51	39	42	68	58	35	16	22	26	31
8	38	43	48	41	42	89	62	36	14	22	28	29
9	39	45	45	42	43	93	56	34	14	21	27	29
10	41	46	45	43	42	93	57	32	14	19	26	29
11	40	44	41	e40	e38	97	54	31	12	16	27	30
12	39	44	48	e38	e40	100	52	28	12	16	27	30
13	38	44	47	e34	43	117	48	27	13	19	28	30
14	37	44	47	e36	42	116	51	24	10	22	28	31
15	37	44	47	e39	42	94	52	23	11	21	28	29
16	39	44	47	40	41	85	50	23	13	25	26	27
17	38	44	48	39	43	83	49	25	13	24	23	28
18	37	47	47	36	42	75	48	35	14	21	24	30
19	37	54	e40	37	41	73	48	37	13	19	26	29
20	44	49	e39	37	43	77	57	35	15	17	28	40
21	39	47	e37	37	43	92	55	34	18	17	27	37
22	42	45	e40	36	43	73	49	30	17	16	27	36
23	49	44	44	37	e42	65	42	31	15	16	28	36
24	46	44	45	38	e37	64	44	34	16	16	25	39
25	45	44	e42	40	e40	60	45	34	17	16	24	44
26	45	44	e41	43	e42	60	44	31	16	16	24	48
27	45	44	45	46	e39	56	43	29	14	17	24	43
28	45	44	45	41	41	47	43	31	14	26	24	42
29	45	44	e40	42	---	55	44	34	17	42	23	48
30	45	45	e36	43	---	58	44	30	19	35	26	42
31	44	---	e38	43	---	58	---	28	---	30	25	---
Total	1,242	1,341	1,401	1,213	1,166	2,226	1,547	985	472	643	815	1,021
Mean	40.1	44.7	45.2	39.1	41.6	71.8	51.6	31.8	15.7	20.7	26.3	34.0
Max	49	54	57	46	43	117	63	42	27	42	30	48
Min	30	43	36	34	37	42	42	23	10	16	23	24
Ac-ft	2,460	2,660	2,780	2,410	2,310	4,420	3,070	1,950	936	1,280	1,620	2,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	74.2	76.2	74.4	77.5	97.3	111	103	98.2	74.8	50.9	51.9	65.5
Max	152	158	143	224	329	196	256	309	238	117	124	129
(WY)	(1985)	(1984)	(1984)	(1980)	(1962)	(1986)	(1985)	(1984)	(1984)	(1984)	(1983)	(1984)
Min	35.3	40.7	40.7	39.0	41.1	44.8	37.6	26.6	10.5	14.2	15.1	22.2
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(1992)	(2003)	(2003)	(2003)	(2003)

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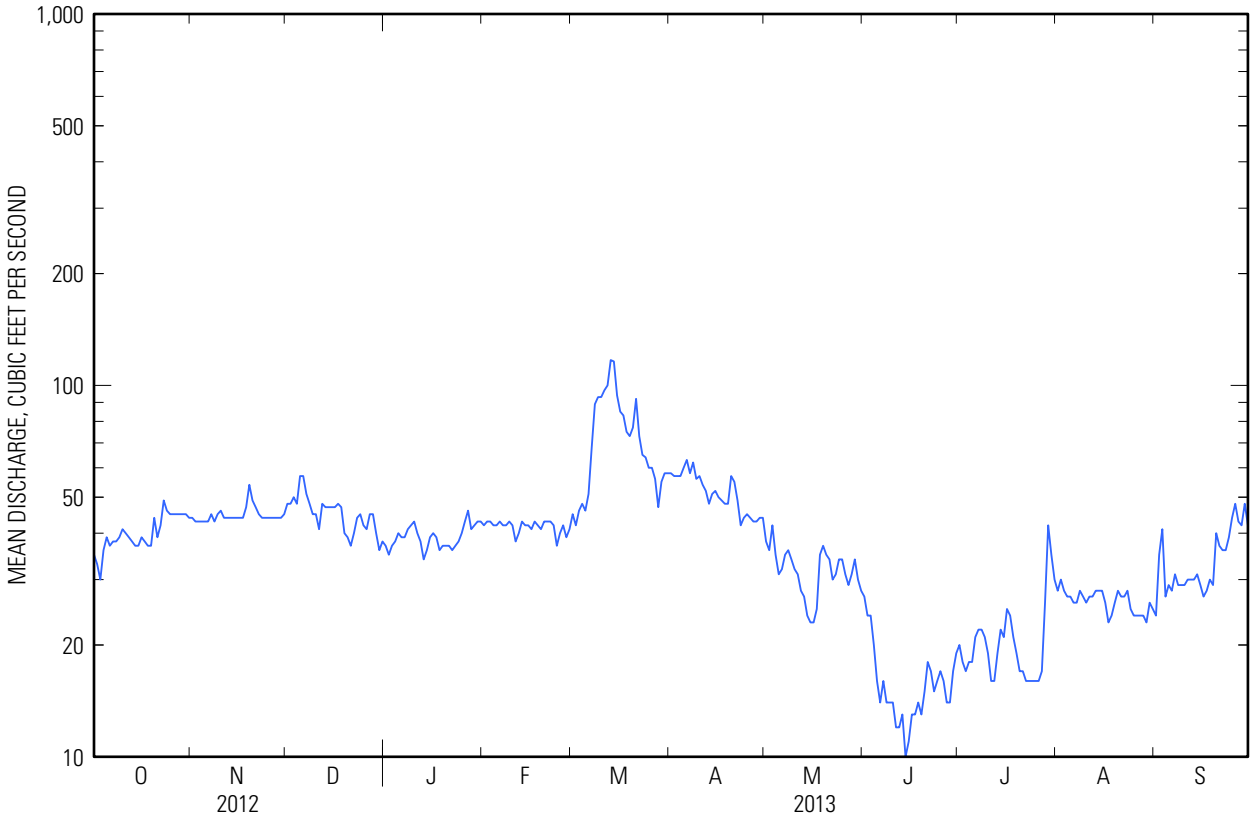
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1955 - 2013	
Annual total	17,778		14,072			
Annual mean	48.6		38.6		79.4	
Highest annual mean					166	1984
Lowest annual mean					34.2	2003
Highest daily mean	165	Feb 22	117	Mar 13	1,100	Feb 12, 1962
Lowest daily mean	19	May 23	10	Jun 14	7.2	Jun 1, 2003
Annual seven-day minimum	22	May 19	12	Jun 11	7.8	May 31, 2003
Annual runoff (ac-ft)	35,260		27,910		57,560	
10 percent exceeds	76		55		131	
50 percent exceeds	44		39		68	
90 percent exceeds	29		18		39