Water-Data Report 2009

05288580 RICE CREEK BLW OLD HWY. 8 IN MOUNDS VIEW, MN

Upper Mississippi Basin
Twin Cities Subbasin

LOCATION.--Lat 45°05′36″, long 93°11′42″ referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.17, T.30 N., R.23 W., Ramsey County, MN, Hydrologic Unit 07010206.

DRAINAGE AREA.--156 mi², approximately.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2008 to current year.

GAGE.--Water-stage recorder. Datum of gage is 860.74 ft above mean sea level (NAVD of 1988).

REMARKS.--Records good to fair except those for estimated daily discharges, which are poor. Some regulation possible from impoundments in Upper Rice Creek Watershed.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	3.8	e9.5	e4.6	e3.3	e17	78	39	9.4	7.5	7.1	32
2	---	4.6	e8.2	e4.6	e3.3	e16	76	38	9.2	7.3	5.1	32
3	---	6.0	e7.8	e4.6	e3.2	e16	75	38	8.5	7.1	4.8	30
4	---	7.0	e7.4	e4.7	e3.3	e17	74	38	7.6	8.2	4.5	30
5	---	7.6	e7.0	e4.7	e3.3	e20	76	38	6.8	7.1	4.7	29
6	---	13	e6.4	e4.7	e3.4	e23	75	37	8.1	6.7	4.9	28
7	---	13	e6.2	e4.6	e3.4	e23	72	37	10	6.1	8.8	27
8	---	13	e6.1	e4.5	e3.4	e21	69	36	13	6.0	24	26
9	---	11	e6.0	e4.4	e6.2	e19	67	35	10	5.5	28	24
10	---	9.6	e6.0	e4.3	e33	e19	65	34	9.2	4.9	21	23
11	---	9.2	e6.0	e4.2	e28	e19	63	33	8.2	4.2	15	22
12	---	11	e6.0	e4.1	e22	e20	59	31	7.2	4.0	12	23
13	---	12	e5.9	e4.0	e19	e24	57	28	6.7	4.1	9.2	21
14	---	11	e5.8	e4.0	e17	e27	55	27	7.0	3.8	8.1	18
15	---	11	e5.6	e3.9	e16	e33	52	27	5.6	3.4	7.9	16
16	---	11	e5.6	e3.9	e16	e40	49	27	7.6	2.7	16	15
17	---	9.6	e5.5	e3.8	e21	e49	47	26	11	2.6	11	13
18	---	9.9	e5.4	e3.7	e20	e54	47	24	8.0	2.9	8.8	12
19	---	9.3	e5.2	e3.6	e19	56	47	22	7.0	3.4	31	11
20	---	8.9	e5.1	e3.6	e19	57	45	19	6.4	2.8	42	9.6
21	---	e8.4	e5.0	e3.6	e19	62	45	16	5.6	14	42	8.5
22	---	10	e4.9	e3.5	e18	62	43	18	5.7	8.0	34	8.0
23	---	10	e4.8	e3.5	e16	69	40	18	5.0	6.0	30	8.3
24	---	10	e4.8	e3.5	e17	77	37	17	4.6	6.9	28	8.0
25	---	e9.4	e4.8	e3.5	e22	83	39	16	4.9	6.9	29	8.2
26	---	11	e4.8	e3.5	e20	80	42	14	4.4	6.7	31	9.1
27	---	11	e4.8	e3.5	e19	81	43	14	15	6.3	32	9.3
28	---	11	e4.8	e3.4	e17	81	41	14	9.2	7.1	33	9.7
29	---	e11	e4.8	e3.4	---	81	40	12	7.1	5.7	33	11
30	e4.2	e11	e4.7	e3.3	---	79	41	12	7.4	5.6	33	11
31	4.0	---	e4.7	e3.3	---	80	---	11	---	5.3	33	---
Total	8.2	294.3	179.6	122.5	410.8	1,405	1,659	796	235.4	178.8	631.9	532.7
Mean	4.10	9.81	5.79	3.95	14.7	45.3	55.3	25.7	7.85	5.77	20.4	17.8
Max	4.2	13	9.5	4.7	33	83	78	39	15	14	42	32
Min	4.0	3.8	4.7	3.3	3.2	16	37	11	4.4	2.6	4.5	8.0
Ac-ft	16	584	356	243	815	2,790	3,290	1,580	467	355	1,250	1,060
Cfsm	0.02	0.06	0.03	0.02	0.09	0.27	0.33	0.15	0.05	0.03	0.12	0.10
In.	0.00	0.06	0.04	0.03	0.09	0.31	0.36	0.17	0.05	0.04	0.14	0.12

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********** W A R N I N G **********
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THE MISSING VALUE SUPPRESSION OPTION USED IN COMPUTING THE SUMMARY STATISTICS DOES NOT MATCH THE MISSING VALUE SUPPRESSION OPTION USED IN THE ABOVE TABLE.

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********** W A R N I N G **********
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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2009 - 2009, BY WATER YEAR (WY)

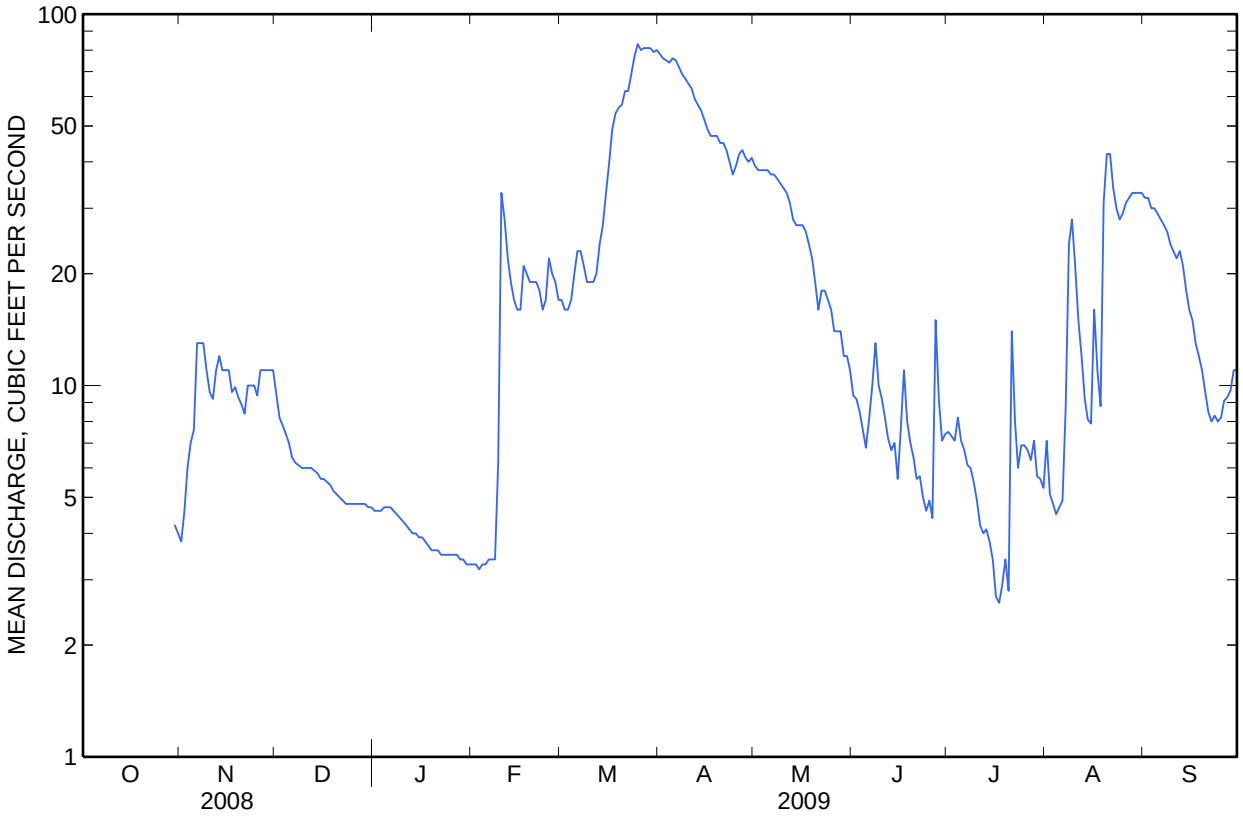
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	9.81	5.79	3.95	14.7	45.3	55.3	25.7	7.85	5.77	20.4	17.8
Max	---	9.81	5.79	3.95	14.7	45.3	55.3	25.7	7.85	5.77	20.4	17.8
(WY)	(---)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)
Min	---	9.81	5.79	3.95	14.7	45.3	55.3	25.7	7.85	5.77	20.4	17.8
(WY)	(---)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)

SUMMARY STATISTICS

	Water Year 2009	
Highest daily mean	83	Mar 25
Lowest daily mean	2.6	Jul 17
Annual seven-day minimum	3.1	Jul 14
Maximum peak flow	[a]94	Mar 24
Maximum peak stage	[b]8.70	Mar 16
Instantaneous low flow	[a]2.0	Jul 16

[a] Gage height 8.32 ft.

[b] Backwater from ice.

[a] Also occured July 20.

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