

Water-Data Report 2008

05355322 RUSH RIVER NEAR ESDAILE, WI

Upper Mississippi-Black-Root Basin
Rush-Vermillion Subbasin

LOCATION.--Lat 44°37'36", long 92°19'56" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.28, T.25 N., R.16 W., Pierce County, WI, Hydrologic Unit 07040001, on right bank 15 ft downstream of 385th St bridge, 2.8 miles south of Salem Township garage located at Hwy 10 and CTH A.

DRAINAGE AREA.--169 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2006 to October 2008 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 700 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Gage-height telemeter at station.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	177	87	79	71	e75	e70	121	114	92	90	91	88
2	156	87	86	68	e74	e71	109	116	91	90	90	89
3	167	86	79	76	e72	e71	107	230	91	90	91	89
4	158	86	81	80	e72	71	219	214	91	89	100	88
5	296	86	79	80	e71	73	265	136	93	89	93	88
6	182	84	75	80	e71	71	174	119	179	90	92	87
7	140	84	83	78	e70	69	215	115	181	170	92	88
8	165	84	76	77	e71	70	177	110	128	100	91	87
9	237	84	81	76	e71	75	128	107	155	93	91	87
10	152	83	78	76	e60	71	119	106	138	93	90	87
11	118	84	80	76	e72	73	381	106	110	96	89	93
12	107	83	76	76	e73	74	398	102	429	97	93	91
13	102	83	80	76	e72	150	194	102	610	92	94	90
14	100	83	75	75	e72	291	146	100	197	91	92	92
15	100	82	74	67	e69	241	127	98	137	90	91	92
16	99	82	80	e74	e72	171	119	98	118	90	90	88
17	100	82	79	e73	e71	144	114	98	109	92	90	87
18	106	82	78	e67	e69	125	113	97	104	93	89	85
19	147	83	79	e66	e68	125	116	97	100	101	89	85
20	178	82	78	e72	e69	265	140	97	99	156	88	85
21	128	81	79	e73	e71	201	124	95	97	108	89	84
22	109	81	80	e73	e71	135	121	94	96	96	89	84
23	101	81	77	e73	e71	110	161	92	95	93	89	84
24	98	81	77	e73	e71	101	126	92	94	92	88	87
25	95	81	79	e73	e70	100	383	94	93	95	87	84
26	93	81	79	e74	e70	111	330	93	93	96	87	84
27	92	80	78	e75	e70	168	181	91	94	92	89	83
28	90	80	78	e75	e70	140	141	91	95	92	110	83
29	90	79	77	e74	e70	115	126	91	93	91	94	85
30	89	77	77	e64	---	108	119	96	91	91	90	83
31	89	---	77	e74	---	118	---	94	---	92	88	---
Total	4,061	2,479	2,434	2,285	2,048	3,778	5,294	3,385	4,193	3,030	2,826	2,607
Mean	131	82.6	78.5	73.7	70.6	122	176	109	140	97.7	91.2	86.9
Max	296	87	86	80	75	291	398	230	610	170	110	93
In.	0.89	0.55	0.54	0.50	0.45	0.83	1.17	0.75	0.92	0.67	0.62	0.57

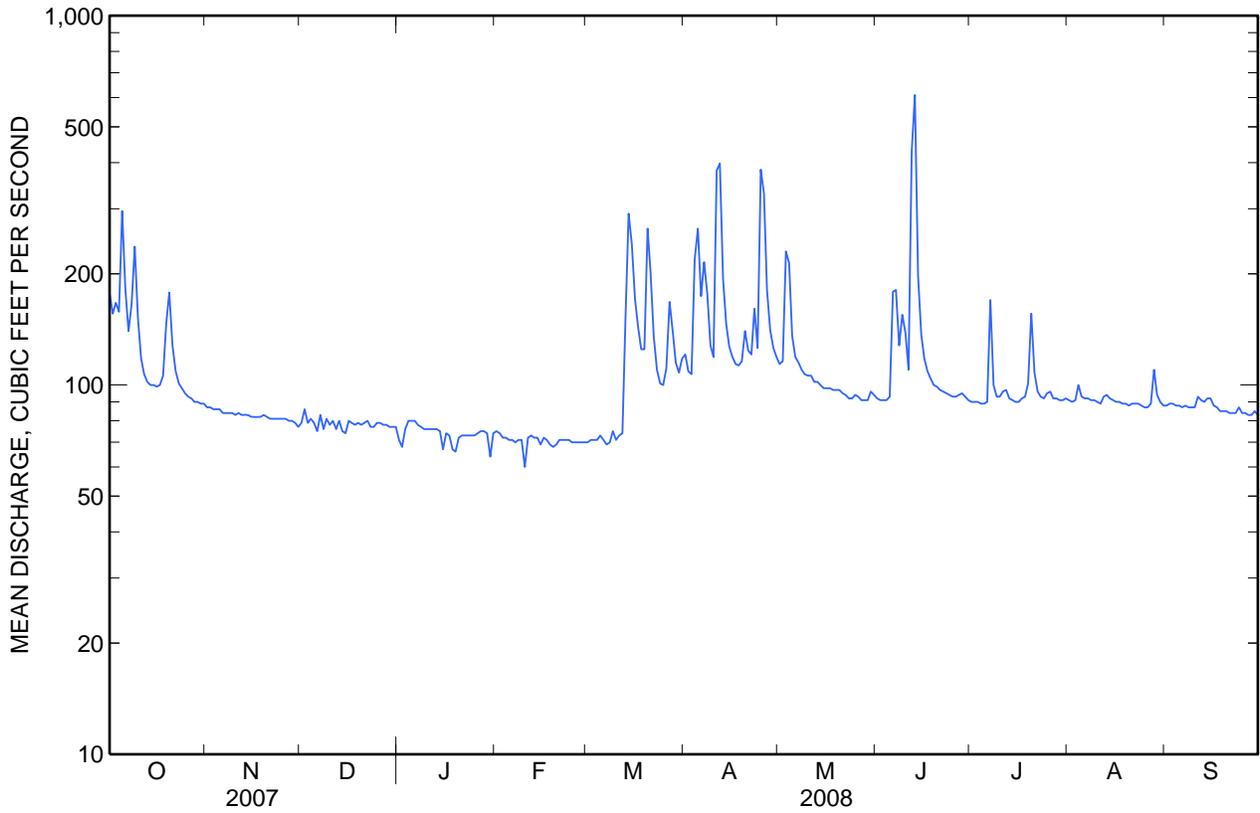
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	104	80.1	85.5	82.5	72.0	184	145	95.3	107	82.0	84.7	81.5
Max	131	82.6	92.4	91.4	73.5	246	176	109	140	97.7	91.2	86.9
(WY)	(2008)	(2008)	(2007)	(2007)	(2007)	(2007)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2006 - 2008	
Annual total	36,406		38,420			
Annual mean	99.7		105		100	
Highest annual mean					105	2008
Highest daily mean	2,030	Mar 13	610	Jun 13	2,030	Mar 13, 2007
Lowest daily mean	63	Jul 21	60	Feb 10	60	Feb 10, 2008
Annual seven-day minimum	64	Jul 29	69	Feb 4	64	Jul 29, 2007
Maximum peak flow			1,150	Jun 12	2,520	Mar 13, 2007
Maximum peak stage			7.67	Jun 12	12.10	Mar 13, 2007
Instantaneous low flow			45	Feb 10	45	Feb 10, 2008
Annual runoff (inches)	8.01		8.46		8.08	
10 percent exceeds	121		155		128	
50 percent exceeds	79		90		80	
90 percent exceeds	67		72		70	



05355322 RUSH RIVER NEAR ESDAILE, WI—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	83	---	---	---	---	---	---	---	---	---	---	---
2	82	---	---	---	---	---	---	---	---	---	---	---
3	82	---	---	---	---	---	---	---	---	---	---	---
4	82	---	---	---	---	---	---	---	---	---	---	---
5	83	---	---	---	---	---	---	---	---	---	---	---
6	82	---	---	---	---	---	---	---	---	---	---	---
7	87	---	---	---	---	---	---	---	---	---	---	---
8	91	---	---	---	---	---	---	---	---	---	---	---
9	85	---	---	---	---	---	---	---	---	---	---	---
10	82	---	---	---	---	---	---	---	---	---	---	---
11	81	---	---	---	---	---	---	---	---	---	---	---
12	81	---	---	---	---	---	---	---	---	---	---	---
13	82	---	---	---	---	---	---	---	---	---	---	---
14	82	---	---	---	---	---	---	---	---	---	---	---
15	81	---	---	---	---	---	---	---	---	---	---	---
16	81	---	---	---	---	---	---	---	---	---	---	---
17	80	---	---	---	---	---	---	---	---	---	---	---
18	80	---	---	---	---	---	---	---	---	---	---	---
19	79	---	---	---	---	---	---	---	---	---	---	---
20	79	---	---	---	---	---	---	---	---	---	---	---
21	79	---	---	---	---	---	---	---	---	---	---	---
22	79	---	---	---	---	---	---	---	---	---	---	---
23	78	---	---	---	---	---	---	---	---	---	---	---
24	79	---	---	---	---	---	---	---	---	---	---	---
25	79	---	---	---	---	---	---	---	---	---	---	---
26	79	---	---	---	---	---	---	---	---	---	---	---
27	78	---	---	---	---	---	---	---	---	---	---	---
28	76	---	---	---	---	---	---	---	---	---	---	---
29	76	---	---	---	---	---	---	---	---	---	---	---
30	77	---	---	---	---	---	---	---	---	---	---	---
31	76	---	---	---	---	---	---	---	---	---	---	---
Total	2,501	---	---	---	---	---	---	---	---	---	---	---
Mean	80.7	---	---	---	---	---	---	---	---	---	---	---
Max	91	---	---	---	---	---	---	---	---	---	---	---
In.	0.55	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	96.5	80.1	85.5	82.5	72.0	184	145	95.3	107	82.0	84.7	82.1
Max	131	82.6	92.4	91.4	73.5	246	176	109	140	97.7	91.2	86.9
(WY)	(2008)	(2008)	(2007)	(2007)	(2007)	(2007)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 2006 - 2009	
Annual total	31,947		2,501			
Annual mean	105		80.7		99.5	
Highest annual mean					105	2008
Highest daily mean	610	Jun 13	91	Oct 8	2,030	Mar 13, 2007
Lowest daily mean	^a 60	Feb 10	76	Oct 28 ^b	^a 60	Feb 10, 2008
Annual seven-day minimum	^a 69	Feb 4	77	Oct 25	64	Jul 29, 2007
Maximum peak flow			98	Oct 7	2,520	Mar 13, 2007
Maximum peak stage			3.52	Oct 7	12.10	Mar 13, 2007
Instantaneous low flow			75	Oct 27 ^c	45	Feb 10, 2008 ^d
Annual runoff (inches)	7.03		0.55		8.00	
10 percent exceeds	145		85		126	
50 percent exceeds	90		81		81	
90 percent exceeds	71		76		70	

^a Ice affected.

^b Also occurred Oct. 29, 31.

^c Also occurred additional days.

^d Also occurred Mar. 8, 2008.