

Water-Data Report 2007

**01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME**

St. John Basin  
Upper St. John Subbasin

LOCATION.--Lat 46°42'02", long 69°42'56" referenced to North American Datum of 1983, Aroostook County, ME, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.

DRAINAGE AREA.--1,341 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: October 1950 to current year.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 931.26 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 25-30, and Dec. 3 to Apr. 24, which are poor. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 464200069425701).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft<sup>3</sup>/s, May 1, 1974, gage height, 12.63 ft; maximum gage height, 23 ft, Apr. 11, 1991, estimated from flood marks (backwater from ice); minimum discharge, 32 ft<sup>3</sup>/s, Sept. 10, 2002; gage height, 0.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,900 ft<sup>3</sup>/s, Apr. 26, gage height, 9.83 ft; maximum gage height, 15.88 ft, Apr. 24 (backwater from ice); minimum discharge, 236 ft<sup>3</sup>/s, Sept. 11, gage height, 0.98 ft.

## 01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	297	8,060	2,450	e1,060	e614	e402	e1,860	21,400	1,910	1,610	850	1,930
2	365	6,780	3,390	e1,020	e588	e401	e1,790	21,200	1,690	1,110	606	1,260
3	398	5,410	e3,100	e1,000	e564	e413	e1,710	18,500	1,440	829	515	835
4	452	4,270	e2,680	e1,020	e540	e410	e1,650	15,900	1,220	651	619	602
5	716	3,450	e2,200	e1,070	e518	e426	e1,600	14,700	1,520	539	717	476
6	1,390	2,920	e1,560	e1,350	e500	e415	e1,540	13,800	7,340	481	615	397
7	1,210	2,590	e1,640	e2,230	e483	e403	e1,460	12,700	7,030	443	1,240	347
8	890	2,480	e1,610	e4,960	e466	e400	e1,390	13,000	4,430	416	1,620	313
9	691	3,040	e1,270	e4,990	e451	e388	e1,350	14,900	2,940	392	3,510	287
10	570	3,900	e1,290	e3,940	e438	e372	e1,270	14,600	2,220	372	3,210	259
11	488	3,600	e1,380	e3,140	e427	e358	e1,220	13,100	1,790	440	2,100	241
12	553	4,090	e1,350	e2,480	e416	e356	e1,190	11,300	1,390	1,260	1,400	249
13	3,170	6,770	e1,120	e2,290	e406	e369	e1,220	8,850	1,080	2,920	990	438
14	3,780	7,580	e1,050	e1,970	e396	e421	e1,210	6,490	853	2,450	796	513
15	2,970	8,750	e1,010	e1,750	e419	e587	e1,240	4,890	695	1,680	685	467
16	2,270	7,830	e990	e1,580	e416	e747	e1,290	4,130	578	1,330	584	754
17	1,790	6,820	e995	e1,450	e431	e1,160	e1,350	4,600	509	1,120	526	1,190
18	1,630	8,880	e995	e1,340	e425	e1,420	e1,460	5,910	460	850	497	946
19	3,090	7,140	e956	e1,240	e415	e1,490	e1,690	5,680	418	654	453	669
20	3,740	5,490	e918	e1,160	e425	e1,580	e2,060	5,040	406	688	411	513
21	16,400	4,390	e897	e1,090	e428	e1,630	e3,040	7,850	607	3,250	370	423
22	23,600	3,580	e872	e1,020	e426	e1,660	e5,200	8,020	903	4,130	331	360
23	19,100	3,020	e859	e962	e423	e1,730	e10,000	5,990	755	2,830	297	327
24	13,200	2,620	e2,530	e908	e419	e1,880	e19,500	4,380	569	1,760	289	314
25	9,090	e2,260	e3,720	e863	e416	e2,040	26,000	3,360	463	1,150	324	287
26	6,710	e2,010	e2,810	e818	e412	e2,100	26,500	2,690	382	799	626	256
27	5,170	e1,890	e2,100	e777	e409	e2,070	23,800	2,160	365	611	1,370	278
28	4,170	e1,820	e1,680	e740	e406	e2,030	20,200	1,960	843	525	1,200	1,140
29	7,620	e1,760	e1,390	e706	---	e2,010	17,800	2,480	2,420	971	812	3,080
30	12,600	e1,720	e1,220	e671	---	e2,010	18,300	2,130	2,460	2,020	681	2,620
31	10,600	---	e1,120	e641	---	e1,970	---	1,990	---	1,300	1,610	---
<b>Total</b>	158,720	134,920	51,152	50,236	12,677	33,648	199,890	273,700	49,686	39,581	29,854	21,771
<b>Mean</b>	5,120	4,497	1,650	1,621	453	1,085	6,663	8,829	1,656	1,277	963	726
<b>Max</b>	23,600	8,880	3,720	4,990	614	2,100	26,500	21,400	7,340	4,130	3,510	3,080
<b>Min</b>	297	1,720	859	641	396	356	1,190	1,960	365	372	289	241
<b>Cfsm</b>	3.82	3.35	1.23	1.21	0.34	0.81	4.97	6.58	1.24	0.95	0.72	0.54
<b>In.</b>	4.40	3.74	1.42	1.39	0.35	0.93	5.55	7.59	1.38	1.10	0.83	0.60

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2,013	2,328	1,425	801	642	1,020	7,559	6,860	2,067	1,463	1,315	1,300
<b>Max</b>	7,078	5,717	4,899	3,365	2,981	4,296	13,420	16,550	4,705	6,845	5,985	3,930
<b>(WY)</b>	(2006)	(1964)	(1951)	(2006)	(1996)	(1979)	(1976)	(1961)	(1954)	(1984)	(1981)	(1954)
<b>Min</b>	347	540	311	207	143	180	1,918	1,474	453	174	113	102
<b>(WY)</b>	(1956)	(1957)	(1956)	(1957)	(1961)	(1956)	(1967)	(1987)	(1988)	(1952)	(1953)	(1952)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1951 - 2007	
<b>Annual total</b>	1,196,549		1,055,835			
<b>Annual mean</b>	3,278		2,893		2,403	
<b>Highest annual mean</b>					3,605	2006
<b>Lowest annual mean</b>					1,336	1957
<b>Highest daily mean</b>	23,600	Oct 22	26,500	Apr 26	38,600	May 1, 1974
<b>Lowest daily mean</b>	230	Sep 25	241	Sep 11	34	Sep 10, 2002
<b>Annual seven-day minimum</b>	243	Sep 19	299	Sep 6	42	Sep 5, 2002
<b>Maximum peak flow</b>			28,900	Apr 26	44,400	May 1, 1974
<b>Maximum peak stage</b>			15.88	Apr 24	23.00	Apr 11, 1991
<b>Instantaneous low flow</b>			241	Sep 11	32	Sep 10, 2002
<b>Annual runoff (cfsm)</b>	2.44		2.16		1.79	
<b>Annual runoff (inches)</b>	33.19		29.29		24.34	
<b>10 percent exceeds</b>	7,430		7,440		6,060	
<b>50 percent exceeds</b>	2,020		1,290		999	
<b>90 percent exceeds</b>	533		406		260	

