

**01021000 ST. CROIX RIVER AT BARING, ME**

Maine Coastal Basin  
St. Croix Subbasin

LOCATION.--Lat 45°08'13", long 67°19'05" referenced to North American Datum of 1983, Washington County, ME, Hydrologic Unit 01050001, on right bank at site of destroyed international highway bridge at Baring.

DRAINAGE AREA.--1,374 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: October 1959 to current year. Records for October 1998 to September 1999, published as St. Croix River at Woodland. Records prior to water year 1974 have not been published, but are available in the files of the U.S. Geological Survey.

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

GAGE.--Water-stage recorder. Datum of gage is 66.23 ft above National Geodetic Vertical Datum of 1929. July 28, 1999 to Apr. 30, 2000, at site 5.0 mi upstream at different datum.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

REMARKS.--Records good, except for periods of ice effect, Jan. 17-22, Jan. 24 to Feb. 1, Feb. 4-14, 16-20, 22-26, and Mar. 6-10, which are fair. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25 billion ft<sup>3</sup>. Final regulation is at Woodland, 5.6 mi upstream from gage. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft<sup>3</sup>/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft<sup>3</sup>/s, Oct. 20, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 24,100 ft<sup>3</sup>/s at Baring, based on flows for the St. Croix River near Baileyville (station 01020000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,200 ft<sup>3</sup>/s, Apr. 18, gage height, 10.96 ft; minimum daily discharge, 782 ft<sup>3</sup>/s, Aug. 21-22.

## 01021000 ST. CROIX RIVER AT BARING, 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	1,530	3,340	3,000	2,860	e1,970	1,820	3,150	7,350	1,680	975	2,220	1,260
2	1,210	3,270	2,890	2,430	1,710	1,720	3,240	7,920	1,570	900	1,180	1,230
3	1,190	3,030	2,570	2,490	1,800	1,550	3,030	7,840	1,760	958	1,050	1,250
4	1,150	2,600	2,480	2,250	e2,030	1,890	3,140	6,950	1,920	1,020	1,200	1,220
5	1,310	2,390	2,500	1,800	e2,220	1,750	2,970	4,960	1,590	1,030	1,190	1,220
6	1,240	2,340	2,530	2,220	e2,090	e1,740	3,180	3,950	1,420	1,020	1,110	1,170
7	1,430	2,220	2,510	2,730	e2,050	e1,760	3,090	3,030	1,350	1,020	1,080	1,140
8	1,380	1,840	2,450	4,190	e2,020	e1,760	2,940	2,970	1,390	1,160	1,100	1,070
9	1,210	3,830	2,190	5,340	e2,090	e1,620	3,040	2,710	1,280	1,010	1,200	1,040
10	1,190	4,250	2,140	4,500	e2,280	e1,530	3,010	2,640	1,300	1,500	1,060	1,170
11	1,130	4,630	2,210	4,480	e2,270	1,790	3,040	2,450	1,340	1,100	1,060	1,150
12	1,220	3,790	2,220	3,690	e2,040	1,760	3,080	2,390	1,270	860	1,050	1,110
13	1,300	4,540	2,370	2,960	e1,980	1,810	3,290	2,400	1,020	866	1,010	1,050
14	1,400	6,710	2,680	2,960	e2,190	2,020	3,420	2,420	1,200	860	1,420	1,050
15	1,390	11,300	2,660	2,990	2,010	2,550	4,270	2,540	1,310	870	906	1,060
16	1,240	12,000	2,400	2,780	e2,380	3,780	4,750	2,790	1,290	938	954	1,110
17	1,400	11,300	2,050	e2,200	e1,950	4,930	8,500	3,250	1,250	929	808	1,140
18	1,310	9,420	1,940	e2,180	e1,900	6,800	12,400	3,320	1,230	845	793	1,200
19	1,200	7,620	2,140	e2,200	e2,100	6,230	13,000	4,600	1,190	931	788	1,120
20	1,200	6,760	1,840	e2,160	e2,030	7,060	11,900	4,880	1,110	1,040	786	1,040
21	2,170	5,580	2,750	e2,190	1,870	6,670	11,100	4,680	1,130	1,060	782	1,110
22	2,020	4,410	1,470	e2,200	e2,370	5,840	10,400	4,000	1,250	1,060	782	1,120
23	1,770	3,580	2,070	2,200	e2,040	5,510	9,720	3,350	1,270	994	784	1,090
24	1,980	2,880	3,410	e2,220	e1,960	5,500	9,570	3,020	1,270	1,370	1,530	1,030
25	1,900	2,780	3,310	e2,300	e2,050	5,050	9,390	2,870	1,120	1,250	2,120	904
26	2,170	2,790	3,380	e2,320	e2,040	4,750	9,510	2,460	912	1,120	1,790	845
27	1,970	2,350	3,370	e2,220	1,970	4,210	9,360	2,300	893	1,060	1,560	880
28	2,300	2,510	2,730	e2,090	2,040	4,010	9,240	2,120	902	1,040	1,400	941
29	4,400	2,710	2,900	e2,080	---	3,700	8,510	1,870	907	1,080	1,360	854
30	4,410	2,980	2,780	e2,450	---	3,230	7,820	2,000	975	1,110	1,280	846
31	3,800	---	2,710	e2,470	---	3,020	---	2,080	---	1,110	1,180	---
<b>Total</b>	54,520	139,750	78,650	84,150	57,450	107,360	193,060	112,110	38,099	32,086	36,533	32,420
<b>Mean</b>	1,759	4,658	2,537	2,715	2,052	3,463	6,435	3,616	1,270	1,035	1,178	1,081
<b>Max</b>	4,410	12,000	3,410	5,340	2,380	7,060	13,000	7,920	1,920	1,500	2,220	1,260
<b>Min</b>	1,130	1,840	1,470	1,800	1,710	1,530	2,940	1,870	893	845	782	845

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1,871	2,383	2,787	2,400	2,623	3,055	5,193	3,722	2,319	1,681	1,600	1,648
<b>Max</b>	5,049	5,679	8,397	6,145	6,031	8,009	9,438	7,684	6,054	5,042	2,987	3,269
<b>(WY)</b>	(2006)	(1964)	(1960)	(2006)	(1978)	(1998)	(1976)	(2005)	(1977)	(1996)	(1981)	(1981)
<b>Min</b>	555	381	818	642	756	1,236	1,882	1,076	888	652	636	855
<b>(WY)</b>	(1965)	(1965)	(2002)	(2002)	(2002)	(1993)	(2006)	(1987)	(2002)	(1966)	(1966)	(1978)

01021000 ST. CROIX RIVER AT BARING, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1960 - 2007	
<b>Annual total</b>	1,141,220		966,188			
<b>Annual mean</b>	3,127		2,647		2,604	
<b>Highest annual mean</b>					3,874	2006
<b>Lowest annual mean</b>					1,280	1985
<b>Highest daily mean</b>	12,600	Jan 16	13,000	Apr 19	23,200	May 29, 1961
<b>Lowest daily mean</b>	1,070	May 1	782	Aug 21	262	Oct 20, 1964
<b>Annual seven-day minimum</b>	1,260	Oct 6	789	Aug 17	327	Nov 6, 1964
<b>Maximum peak flow</b>			14,200	Apr 18	23,500	May 29, 1961
<b>Maximum peak stage</b>			10.96	Apr 18	12.76	May 29, 1961
<b>10 percent exceeds</b>	5,800		4,940		4,890	
<b>50 percent exceeds</b>	2,420		2,040		2,110	
<b>90 percent exceeds</b>	1,490		1,020		957	

