

Water-Data Report 2007

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME

Kennebec Basin
Lower Kennebec Subbasin

LOCATION.--Lat 44°28'20", long 69°41'02" referenced to North American Datum of 1983, Kennebec County, ME, Hydrologic Unit 01030003, on right bank at North Sidney, and 5.3 mi downstream from Sebasticook River.

DRAINAGE AREA.--5,403 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1978 to September 1993. October 2000 to current year. Records for October 1993 to September 2000 at site 4 miles upstream, published as "near Waterville" (station 01049205), are not equivalent because of regulated inflow from Messalonskee stream, except for discharges above 25,000 ft³/s.

GAGE HEIGHT: February 2000 to September 2000.

REVISED RECORDS.--WDR ME-81-1: Drainage area. WDR ME-83-1: 1979(M). WDR ME-86-1: 1984, 1985. WDR ME-88-1: Gage datum.

GAGE.--Water-stage recorder. Datum of gage is 15.12 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, at datum 21.90 ft higher.

REMARKS.--Records good, except for periods of ice effect, Jan. 3-6, and Jan. 9 to Mar. 29, which are poor. Flow regulated by Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 232,000 ft³/s, Apr. 2, 1987, gage height, 39.31 ft; minimum daily discharge, 1,160 ft³/s, July 7, 1988, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71,200 ft³/s, Oct. 29, gage height, 18.80 ft; minimum daily discharge, 2,070 ft³/s, July 26.

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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	5,390	25,200	14,600	9,530	e8,010	e6,500	15,600	34,800	6,020	3,310	2,210	2,840
2	5,920	21,600	21,100	9,940	e7,980	e6,700	17,100	36,000	5,660	3,210	2,310	2,710
3	6,100	18,700	21,300	e9,620	e8,090	e6,780	17,800	32,400	6,100	3,360	2,250	2,870
4	5,850	16,500	17,900	e9,250	e8,020	e6,840	16,100	29,000	6,450	3,340	3,000	2,330
5	5,220	14,800	13,900	e9,060	e8,060	e6,960	14,100	28,100	13,800	3,310	2,280	2,470
6	5,650	12,800	11,600	e10,500	e7,700	e6,730	13,800	27,200	18,300	3,540	3,270	3,580
7	5,520	11,300	10,900	16,800	e7,730	e6,670	13,700	25,600	16,000	3,490	3,120	3,680
8	4,640	9,660	11,200	15,400	e7,990	e6,810	12,500	21,800	12,100	3,600	4,740	3,620
9	5,030	10,800	10,000	e14,300	e7,960	e6,370	11,500	22,000	8,860	3,490	6,000	3,930
10	4,940	15,200	9,350	e12,900	e8,030	e6,760	11,500	22,700	8,040	3,370	5,420	3,790
11	4,590	15,800	9,730	e11,600	e7,930	e6,960	11,200	24,800	6,850	3,780	4,190	3,980
12	10,200	14,500	9,570	e11,000	e7,990	e7,650	10,900	25,200	6,740	3,760	4,440	4,470
13	20,600	12,700	9,130	e11,200	e8,060	e7,930	11,200	23,500	6,610	4,030	4,140	4,720
14	12,800	16,700	10,200	e10,900	e7,830	e7,750	12,800	19,400	6,050	3,450	4,100	4,400
15	12,100	29,200	10,100	e10,100	e7,600	e10,600	14,500	19,400	4,240	2,600	3,880	4,780
16	9,220	25,700	10,300	e9,470	e7,540	e13,400	25,300	18,200	4,170	2,900	4,070	4,890
17	7,770	35,300	9,610	e8,150	e7,670	e15,200	53,800	37,100	4,810	3,030	4,120	4,810
18	6,690	52,600	9,610	e7,950	e7,800	e14,800	56,800	38,900	4,720	2,480	3,730	4,750
19	12,400	37,400	8,990	e9,060	e7,670	e14,200	54,400	36,300	4,190	2,330	3,220	4,780
20	11,400	29,800	9,390	e9,140	e7,600	e13,400	50,300	31,700	4,240	2,810	3,010	4,490
21	35,000	21,800	8,550	e8,750	e7,470	e12,600	49,000	27,600	4,580	4,420	2,680	4,280
22	35,400	18,400	8,650	e8,600	e7,050	e12,100	49,100	24,300	4,280	5,010	2,610	4,240
23	23,300	16,000	9,740	e8,740	e6,640	e12,900	47,900	21,800	4,420	3,830	2,560	4,360
24	18,900	14,400	15,800	e8,720	e6,730	e15,400	57,900	17,800	4,270	3,130	2,770	4,150
25	17,400	13,200	14,200	e8,460	e6,420	e15,100	62,500	16,200	3,970	3,110	2,730	4,140
26	14,800	12,300	12,900	e8,320	e6,500	e14,800	44,300	13,100	4,460	2,070	2,670	3,910
27	13,700	11,200	13,400	e8,110	e6,700	e15,600	33,700	11,200	4,210	2,350	2,690	4,000
28	13,400	8,570	12,100	e8,250	e6,840	e16,700	30,600	10,300	4,460	2,230	2,570	4,380
29	54,300	7,950	11,100	e8,140	---	e18,100	31,300	8,790	3,210	2,610	2,290	4,800
30	45,700	11,900	9,990	e8,310	---	17,300	34,500	6,920	3,540	4,030	2,360	4,600
31	32,000	---	9,020	e8,110	---	15,800	---	5,440	---	2,520	2,520	---
Total	465,930	561,980	363,930	308,380	211,610	345,410	885,700	717,550	195,350	100,500	101,950	120,750
Mean	15,030	18,730	11,740	9,948	7,558	11,140	29,520	23,150	6,512	3,242	3,289	4,025
Max	54,300	52,600	21,300	16,800	8,090	18,100	62,500	38,900	18,300	5,010	6,000	4,890
Min	4,590	7,950	8,550	7,950	6,420	6,370	10,900	5,440	3,210	2,070	2,210	2,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7,960	9,625	9,028	6,787	6,597	10,550	22,540	14,430	9,271	5,081	4,631	5,077
Max	27,210	26,130	27,050	16,770	14,220	22,470	38,890	26,660	29,420	10,550	7,196	7,636
(WY)	(2006)	(2006)	(2004)	(2006)	(2006)	(1979)	(2005)	(2005)	(1984)	(1984)	(1991)	(1981)
Min	2,830	2,576	2,483	1,893	2,835	4,995	7,110	6,016	3,252	3,242	2,734	3,153
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(1989)	(1981)	(1985)	(1988)	(2007)	(2002)	(2000)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1979 - 2007	
Annual total	4,510,020		4,379,040			
Annual mean	12,360		12,000		9,221	
Highest annual mean					14,350	2006
Lowest annual mean					5,617	1985
Highest daily mean	60,000	Jun 11	62,500	Apr 25	186,000	Apr 2, 1987
Lowest daily mean	3,850	Apr 30	2,070	Jul 26	1,160	Jul 7, 1988
Annual seven-day minimum	4,670	Aug 13	2,550	Aug 25	1,640	Jan 5, 2002
Maximum peak flow			71,200	Oct 29	232,000	Apr 2, 1987
Maximum peak stage			18.80	Oct 29	39.31	Apr 2, 1987
10 percent exceeds	21,500		25,600		18,400	
50 percent exceeds	10,200		8,320		6,090	
90 percent exceeds	5,510		3,180		3,450	

