

Water-Data Report 2007

01046500 KENNEBEC RIVER AT BINGHAM, ME

Kennebec Basin
Lower Kennebec Subbasin

LOCATION.--Lat 45°03'07", long 69°53'08" referenced to North American Datum of 1983, Somerset County, ME, Hydrologic Unit 01030003, on right bank at Bingham, 50 ft downstream from State Route 16 highway bridge, 0.4 mi downstream from Austin Stream, and 1.6 mi downstream from Wyman Dam.

DRAINAGE AREA.--2,715 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: June 1907 to June 1910, October 1930 to current year. Monthly discharge only for some periods prior to June 1910 published in WSP 1301.

REVISED RECORDS.--WSP 1271: 1951(M). WSP 1301: 1936(M). WDR 81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 330.20 ft above National Geodetic Vertical Datum of 1929. June 1907 to June 1910, nonrecording gage on highway bridge at different datum.

REMARKS.--Records good, except for periods of ice effect, Jan. 26, Feb. 13, 16, 19, 23-26, Mar. 1, 5-9, 16, 19-21, and periods of no gage-height record, Aug. 22, Sept. 15-17, and 26-27, which are fair. Flow regulated by Moosehead Lake, Indian Pond, and Brassua, Flagstaff, and Wyman Lakes, combined capacity about 47.973 billion ft³. Considerable diurnal fluctuation caused by powerplant above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 450306069531101).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,200 ft³/s, June 1, 1984, gage height, 15.61 ft; minimum daily discharge, 110 ft³/s, Dec. 25, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,000 ft³/s, Apr. 24, gage height, 12.90 ft; minimum daily discharge, 1,730 ft³/s, July 14.

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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	3,370	9,480	8,950	5,250	5,270	e4,580	4,180	14,500	4,040	2,580	1,990	2,110
2	3,100	6,470	9,330	5,350	5,220	4,600	3,940	19,300	4,180	2,570	1,980	2,240
3	3,090	5,440	11,800	5,220	4,920	4,590	3,820	17,100	4,290	2,560	1,880	2,060
4	3,180	5,000	7,990	5,280	5,230	4,410	3,390	17,700	6,090	2,560	1,880	2,200
5	3,180	4,300	5,610	5,330	5,180	e4,610	3,750	17,800	7,410	2,580	1,900	2,680
6	3,110	3,470	5,490	5,240	5,200	e4,940	3,700	18,400	11,600	2,560	1,940	3,040
7	3,190	3,390	4,680	5,430	4,970	e5,010	3,700	16,000	9,120	2,580	2,400	3,030
8	3,110	3,690	4,900	5,330	5,020	e4,860	3,690	14,300	6,240	2,600	2,650	3,180
9	3,100	3,790	4,850	5,210	5,500	e4,790	3,680	15,400	5,110	2,580	3,040	3,250
10	3,180	5,190	4,850	4,970	5,370	4,710	3,690	17,200	4,190	2,570	3,250	3,250
11	3,140	7,520	5,080	4,820	5,340	4,590	3,680	19,900	4,320	2,590	3,260	3,260
12	4,760	5,150	5,250	5,110	5,270	4,710	3,830	20,500	3,930	2,510	3,090	3,270
13	4,440	3,690	5,550	5,210	e5,710	4,550	4,030	16,300	4,200	2,550	3,190	3,190
14	4,070	5,260	4,860	5,110	5,370	4,600	3,830	15,900	4,110	1,730	3,160	3,210
15	3,750	9,320	4,980	5,050	5,430	4,520	3,890	14,500	3,820	1,860	3,130	e3,350
16	2,470	9,270	4,970	5,310	e5,350	e4,570	3,840	15,500	3,340	1,860	3,120	e3,360
17	2,270	14,400	4,980	3,820	5,040	4,890	4,490	27,600	3,110	1,940	3,160	e3,160
18	3,540	17,900	4,950	5,100	5,200	4,520	6,190	26,400	3,240	1,950	2,640	3,340
19	3,100	16,400	5,060	5,360	e5,400	e4,660	6,470	23,800	3,280	1,980	2,200	3,170
20	4,720	10,100	4,900	5,300	4,940	e4,590	7,210	18,700	3,290	2,110	2,200	3,140
21	14,400	6,750	4,990	5,620	5,210	e4,710	10,500	15,700	3,250	2,530	2,200	3,120
22	12,600	5,910	5,150	5,190	4,530	4,570	12,400	14,800	3,240	3,210	e2,130	3,140
23	7,140	4,850	5,680	5,460	e4,450	4,620	16,000	12,400	3,100	2,070	2,160	3,180
24	4,770	4,760	6,180	5,240	e4,810	4,470	26,800	10,200	3,240	1,860	2,340	3,130
25	5,790	4,700	5,430	4,990	e4,860	4,660	23,500	8,690	3,270	1,830	2,150	3,160
26	4,640	4,700	5,080	e5,290	e4,650	4,570	15,700	7,320	3,080	1,910	1,980	e3,070
27	4,750	4,690	5,080	5,310	4,750	4,200	11,700	7,240	3,190	1,950	1,930	e3,220
28	5,450	4,680	5,070	5,240	4,690	4,300	12,300	5,440	2,590	1,790	2,100	3,190
29	16,600	4,750	4,790	5,100	---	4,190	11,000	3,850	2,580	2,390	1,940	3,190
30	15,600	7,220	5,270	5,160	---	4,190	10,800	3,160	2,580	2,290	2,090	3,190
31	13,300	---	5,230	5,220	---	4,160	---	3,990	---	1,880	2,030	---
Total	172,910	202,240	176,980	160,620	142,880	141,940	235,700	459,590	129,030	70,530	75,110	91,080
Mean	5,578	6,741	5,709	5,181	5,103	4,579	7,857	14,830	4,301	2,275	2,423	3,036
Max	16,600	17,900	11,800	5,620	5,710	5,010	26,800	27,600	11,600	3,210	3,260	3,360
Min	2,270	3,390	4,680	3,820	4,450	4,160	3,390	3,160	2,580	1,730	1,880	2,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,501	3,717	3,678	3,708	3,970	4,307	7,263	8,830	4,895	3,631	3,241	3,300
Max	9,319	12,380	12,510	7,684	8,898	15,070	16,080	22,160	13,600	11,540	6,428	10,140
(WY)	(1955)	(2006)	(1974)	(1970)	(1996)	(1936)	(1983)	(1974)	(1984)	(1996)	(1976)	(1954)
Min	1,122	744	749	1,070	1,540	1,525	2,627	2,192	1,638	1,954	2,135	1,829
(WY)	(1909)	(1909)	(1909)	(1909)	(2002)	(1985)	(1981)	(1980)	(1988)	(1988)	(2002)	(1987)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1908 - 2007	
Annual total	2,058,880		2,058,610			
Annual mean	5,641		5,640		4,504	
Highest annual mean					7,881	1996
Lowest annual mean					2,613	1980
Highest daily mean	25,400	Jun 11	27,600	May 17	62,000	Jun 1, 1984
Lowest daily mean	2,270	Oct 17	1,730	Jul 14	110	Dec 25, 1947
Annual seven-day minimum	2,620	Apr 28	1,920	Jul 14	587	Nov 18, 1908
Maximum peak flow			35,000	Apr 24	65,200	Jun 1, 1984
Maximum peak stage			12.90	Apr 24	15.61	Jun 1, 1984
10 percent exceeds	8,770		12,300		7,810	
50 percent exceeds	4,790		4,610		3,480	
90 percent exceeds	3,080		2,260		2,170	

