

**01042500 KENNEBEC RIVER AT THE FORKS, ME**

Kennebec Basin  
Upper Kennebec Subbasin

LOCATION.--Lat 45°20'23", long 69°57'43" referenced to North American Datum of 1983, Somerset County, ME, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from U.S. Route 201 highway bridge, and 0.7 mi upstream from Dead River.

DRAINAGE AREA.--1,590 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: October 1901 to current year. Prior to Oct. 1903 monthly discharge only, published in WSP 1302.

REVISED RECORDS.--WSP 1231: 1902-04, 1906-08, 1912, 1914, 1919-20(M), 1923(M), 1926(M), 1928-29(M), 1936(M), 1938(M). WSP 1301: 1928-35 (adjusted monthly runoff). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.03 ft above National Geodetic Vertical Datum of 1929. Prior to June 21, 1912, nonrecording gage, and June 21, 1912 to Oct. 17, 1919, water-stage recorder and nonrecording gage at highway bridge 0.4 mi downstream at different datum.

REMARKS.--Records good, including periods of ice effect, Jan. 21-22, 25-27, 29-30, Feb. 1-2, 4-6, 10-11, 13-17, 19-21, and Mar. 6-9. Flow regulated by Moosehead Lake, Brassua Lake, and Indian Pond, combined capacity about 32.98 billion ft<sup>3</sup>. Considerable diurnal fluctuation caused by powerplant above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 452025069574701).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,900 ft<sup>3</sup>/s, Apr. 18, 1983, gage height, 14.41 ft; minimum daily discharge, 161 ft<sup>3</sup>/s, Aug. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,400 ft<sup>3</sup>/s, May 17, gage height, 8.82 ft; minimum daily discharge, 1,100 ft<sup>3</sup>/s, Aug. 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	2,740	3,830	5,870	3,290	e3,890	3,570	1,530	4,720	2,600	1,920	1,430	1,640
2	2,160	3,620	5,850	3,280	e3,830	3,550	1,540	6,340	1,550	1,920	1,420	1,580
3	2,130	2,780	7,740	3,200	4,190	3,790	1,530	7,120	3,380	1,920	1,530	1,570
4	3,060	2,670	5,620	3,260	e4,660	3,570	1,500	7,930	5,640	2,450	1,450	1,810
5	3,190	2,580	4,620	3,240	e4,860	3,590	1,500	8,740	5,360	2,460	1,420	2,270
6	3,200	2,480	3,990	3,330	e5,060	e3,770	1,480	8,320	7,470	2,430	1,450	2,100
7	1,540	2,140	2,690	3,510	4,260	e3,780	1,460	9,310	5,700	1,700	1,220	2,260
8	3,300	2,020	3,870	3,650	4,090	e4,140	1,450	9,290	5,030	1,650	1,640	2,340
9	3,040	2,120	4,220	3,650	4,770	e4,120	1,430	9,210	2,550	2,540	1,770	2,290
10	3,050	2,270	4,310	3,410	e4,430	3,460	2,320	10,700	3,690	1,870	1,640	2,240
11	3,050	2,160	4,320	4,160	e4,320	2,960	1,420	11,900	3,200	1,940	1,650	2,220
12	2,180	2,150	4,310	4,120	4,470	2,690	2,550	11,800	2,040	2,520	1,650	2,220
13	2,400	2,120	3,700	3,500	e4,010	2,130	2,530	10,500	2,020	2,020	1,670	2,210
14	2,660	2,250	3,780	3,470	e4,530	2,150	1,540	10,800	2,200	1,330	2,320	2,250
15	2,730	2,830	3,600	3,470	e4,470	2,240	2,220	9,960	2,430	1,320	2,290	2,320
16	2,220	2,720	4,290	3,460	e4,500	3,260	2,200	10,400	2,890	1,170	2,280	2,340
17	2,060	4,660	4,300	3,060	e4,350	2,970	1,990	13,600	2,430	1,630	2,280	2,330
18	1,560	7,760	4,300	3,770	4,200	2,980	1,750	13,600	2,570	1,520	1,340	2,320
19	2,020	8,610	3,150	3,990	e4,220	2,540	1,930	13,400	2,530	1,450	1,310	2,290
20	2,880	6,490	3,980	3,640	e4,430	2,780	2,800	11,500	2,760	1,230	1,310	2,300
21	4,890	4,910	3,120	e3,940	e4,420	2,810	3,430	10,200	3,840	1,700	1,300	2,290
22	6,160	4,320	3,090	e4,530	3,880	2,550	4,260	9,630	2,750	1,460	1,280	2,380
23	3,940	3,490	3,220	4,060	3,660	3,110	6,200	9,470	2,270	1,450	1,270	2,300
24	3,420	4,020	3,390	3,440	3,680	2,570	10,100	6,680	2,720	1,420	1,290	2,280
25	2,740	3,950	3,360	e3,140	3,590	1,880	9,390	5,890	2,830	1,400	1,300	2,290
26	2,600	3,860	3,340	e4,150	3,600	2,430	5,930	6,300	2,950	2,200	1,100	2,530
27	2,170	3,830	3,300	e4,510	3,580	2,420	6,030	3,770	2,840	2,180	1,290	2,300
28	2,520	3,850	3,920	4,250	3,570	1,830	4,980	2,550	1,180	1,290	1,270	2,300
29	4,140	4,370	3,940	e4,010	---	1,850	3,720	2,720	2,230	1,150	1,280	2,300
30	5,330	5,160	3,310	e4,290	---	2,010	3,690	2,430	1,850	1,580	1,290	2,300
31	4,410	---	3,310	4,210	---	1,520	---	2,940	---	1,350	1,860	---
<b>Total</b>	93,490	110,020	125,810	114,990	117,520	89,020	94,400	261,720	93,500	54,170	47,600	66,170
<b>Mean</b>	3,016	3,667	4,058	3,709	4,197	2,872	3,147	8,443	3,117	1,747	1,535	2,206
<b>Max</b>	6,160	8,610	7,740	4,530	5,060	4,140	10,100	13,600	7,470	2,540	2,320	2,530
<b>Min</b>	1,540	2,020	2,690	3,060	3,570	1,520	1,420	2,430	1,180	1,150	1,100	1,570

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2,017	1,878	2,132	2,377	2,631	2,397	2,957	4,662	3,314	2,643	2,377	2,277
<b>Max</b>	6,298	8,059	8,142	5,569	5,951	7,981	9,488	13,520	10,380	6,403	4,740	5,511
<b>(WY)</b>	(1955)	(2006)	(1974)	(1970)	(2006)	(1996)	(1983)	(1974)	(1917)	(1996)	(1917)	(1954)
<b>Min</b>	864	487	655	669	522	466	860	699	664	775	1,083	1,053
<b>(WY)</b>	(1906)	(1912)	(1909)	(1904)	(1904)	(1906)	(1980)	(1980)	(1988)	(1988)	(1987)	(1987)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1904 - 2007	
<b>Annual total</b>	1,296,430		1,268,410			
<b>Annual mean</b>	3,552		3,475		2,639	
<b>Highest annual mean</b>					4,701	1996
<b>Lowest annual mean</b>					1,516	1950
<b>Highest daily mean</b>	11,300	Jun 13	13,600	May 17	28,200	Jun 1, 1984
<b>Lowest daily mean</b>	1,010	Apr 13	1,100	Aug 26	161	Aug 30, 1987
<b>Annual seven-day minimum</b>	1,390	Apr 25	1,260	Aug 22	314	Jan 6, 1909
<b>Maximum peak flow</b>			15,400	May 17	32,900	Apr 18, 1983
<b>Maximum peak stage</b>			8.82	May 17	14.41	Apr 18, 1983
<b>10 percent exceeds</b>	5,960		5,880		4,430	
<b>50 percent exceeds</b>	3,060		2,890		2,260	
<b>90 percent exceeds</b>	1,830		1,470		896	

