

Water-Data Report 2007

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

Penobscot Basin
Mattawamkeag Subbasin

LOCATION.--Lat 45°30'04", long 68°18'21" referenced to North American Datum of 1983, Penobscot County, ME, Hydrologic Unit 01020003, on left bank 0.6 mi downstream of Gordon Falls, 0.6 mi upstream from Mattakeunk Stream, 3.6 mi upstream from Mattawamkeag, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--1,418 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1934 to current year.

REVISED RECORDS.--WSP 1501: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 217 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 11, 1991, at site 0.5 mi upstream at datum 12.94 ft higher. Mar. 11, 1991 to May 29, 1996 at site 0.5 mi upstream at datum 10.94 ft higher.

REMARKS.--Records good, except for periods of ice effect, Dec. 12-13, Dec. 21 to Jan. 6, and Jan. 10 to Mar. 22, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft³/s, Mar. 23, 1936, gage height, 15.34 ft, former site and datum; minimum discharge, 30 ft³/s, Sept. 7, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 46,600 ft³/s, based on flow for the Mattawamkeag River at Mattawamkeag (station 01031000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,300 ft³/s, Apr. 26, gage height, 14.03 ft; minimum discharge, 85 ft³/s, Sept. 30, gage height, 3.65 ft.

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, 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	293	6,320	3,360	e1,850	e821	e395	5,570	13,800	2,350	595	326	323
2	319	6,000	3,890	e1,720	e790	e391	5,370	12,800	2,160	558	315	399
3	378	5,430	4,530	e1,690	e760	e387	5,120	11,900	2,010	503	296	444
4	423	4,820	4,510	e1,640	e735	e383	4,740	10,800	1,860	455	292	415
5	472	4,240	4,020	e1,590	e708	e387	4,460	9,660	1,840	423	281	367
6	510	3,740	3,240	e1,790	e685	e402	4,140	8,490	2,010	409	270	320
7	505	3,370	3,080	3,040	e663	e409	3,980	7,430	2,040	449	269	278
8	470	3,130	2,980	3,960	e644	e391	3,700	6,470	1,880	579	270	248
9	440	3,310	2,430	4,540	e622	e378	3,410	5,630	1,670	698	293	227
10	413	4,170	2,490	e4,630	e604	e369	3,140	5,010	1,480	652	341	211
11	383	4,780	2,400	e4,000	e587	e395	2,930	4,540	1,300	570	391	200
12	375	4,840	e2,110	e3,500	e572	e471	2,880	4,230	1,150	545	382	187
13	438	5,260	e1,830	e3,240	e556	e579	3,010	4,080	1,020	541	351	178
14	643	6,760	2,160	e2,610	e540	e717	3,240	3,770	900	552	308	170
15	991	10,700	2,340	e2,260	e568	e895	3,580	3,360	803	543	273	165
16	1,150	13,600	2,500	e2,020	e547	e1,140	4,010	3,150	722	545	246	163
17	1,110	14,600	2,660	e1,870	e549	e1,480	5,920	3,670	653	554	226	155
18	1,090	15,600	2,710	e1,730	e534	e1,960	8,850	4,580	619	560	212	148
19	1,170	15,700	2,620	e1,610	e511	e2,640	11,500	5,750	611	523	194	138
20	1,330	15,200	2,290	e1,500	e482	e3,590	12,900	7,120	692	494	185	131
21	2,090	14,000	e2,020	e1,410	e455	e4,560	13,900	7,870	706	486	172	125
22	3,620	12,400	e1,920	e1,320	e445	e5,340	14,800	7,890	693	488	159	119
23	4,670	10,400	e1,870	e1,250	e436	5,810	15,600	7,320	700	470	146	112
24	5,070	8,430	e2,480	e1,190	e427	6,140	16,700	6,340	673	439	145	105
25	4,990	6,840	e3,010	e1,130	e420	6,360	17,700	5,240	615	403	149	100
26	4,630	5,550	e3,300	e1,070	e413	6,430	18,100	4,330	557	366	185	94
27	4,130	4,670	e3,300	e1,020	e405	6,250	17,900	3,600	511	332	283	90
28	3,620	4,140	e2,850	e974	e400	6,180	17,200	3,130	502	300	318	92
29	3,870	3,780	e2,340	e929	---	6,160	16,200	2,960	503	272	330	89
30	5,130	3,500	e2,000	e890	---	6,080	15,000	2,780	540	269	306	90
31	6,080	---	e1,910	e853	---	5,860	---	2,570	---	300	301	---
Total	60,803	225,280	85,150	62,826	15,879	82,929	265,550	190,270	33,770	14,873	8,215	5,883
Mean	1,961	7,509	2,747	2,027	567	2,675	8,852	6,138	1,126	480	265	196
Max	6,080	15,700	4,530	4,630	821	6,430	18,100	13,800	2,350	698	391	444
Min	293	3,130	1,830	853	400	369	2,880	2,570	502	269	145	89
Cfsm	1.38	5.30	1.94	1.43	0.40	1.89	6.24	4.33	0.79	0.34	0.19	0.14
In.	1.60	5.91	2.23	1.65	0.42	2.18	6.97	4.99	0.89	0.39	0.22	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,491	2,849	2,674	1,480	1,246	2,204	8,489	5,476	1,962	1,006	718	796
Max	8,509	8,428	9,871	6,304	4,685	11,330	13,950	12,760	7,262	5,658	2,565	5,106
(WY)	(2006)	(1964)	(1951)	(2006)	(1970)	(1936)	(1976)	(1961)	(1984)	(1996)	(1962)	(1954)
Min	146	219	105	197	165	230	3,012	1,254	406	118	70.9	38.6
(WY)	(1947)	(1956)	(1956)	(1948)	(1944)	(1944)	(1944)	(1999)	(1988)	(1991)	(1995)	(1995)

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1935 - 2007	
Annual total	1,248,505		1,051,428			
Annual mean	3,421		2,881		2,531	
Highest annual mean					4,266	2006
Lowest annual mean					1,307	1985
Highest daily mean	15,700	Nov 19	18,100	Apr 26	29,200	Mar 23, 1936
Lowest daily mean	252	Sep 29	89	Sep 29	32	Sep 4, 1995
Annual seven-day minimum	270	Sep 23	94	Sep 24	33	Sep 1, 1995
Maximum peak flow			18,300	Apr 26	29,200	Mar 23, 1936
Maximum peak stage			14.03	Apr 26	15.34	Mar 23, 1936
Instantaneous low flow			85	Sep 30	30	Sep 7, 1995
Annual runoff (cfsm)	2.41		2.03		1.79	
Annual runoff (inches)	32.75		27.58		24.26	
10 percent exceeds	7,290		6,590		6,600	
50 percent exceeds	2,490		1,250		1,210	
90 percent exceeds	472		270		262	

