Water-Data Report 2011

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 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--
DISCHARGE: October 1934 to current year.

REVISED RECORDS.--WSP 1501: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. 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, Nov. 29-30, Dec. 9-11, and Dec. 24 to Mar. 14, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft^3/s, Mar. 23, 1936, gage height, 15.34 ft, former site and datum; minimum discharge, 30 ft^3/s, Sept. 7, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 46,600 ft^3/s, based on flow for the Mattawamkeag River at Mattawamkeag (station 01031000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,100 ft^3/s, Dec. 16, gage height, 15.24 ft; minimum discharge, 297 ft^3/s, July 29, gage height, 4.59 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01030500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01030500.2011.pdf

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME—Continued

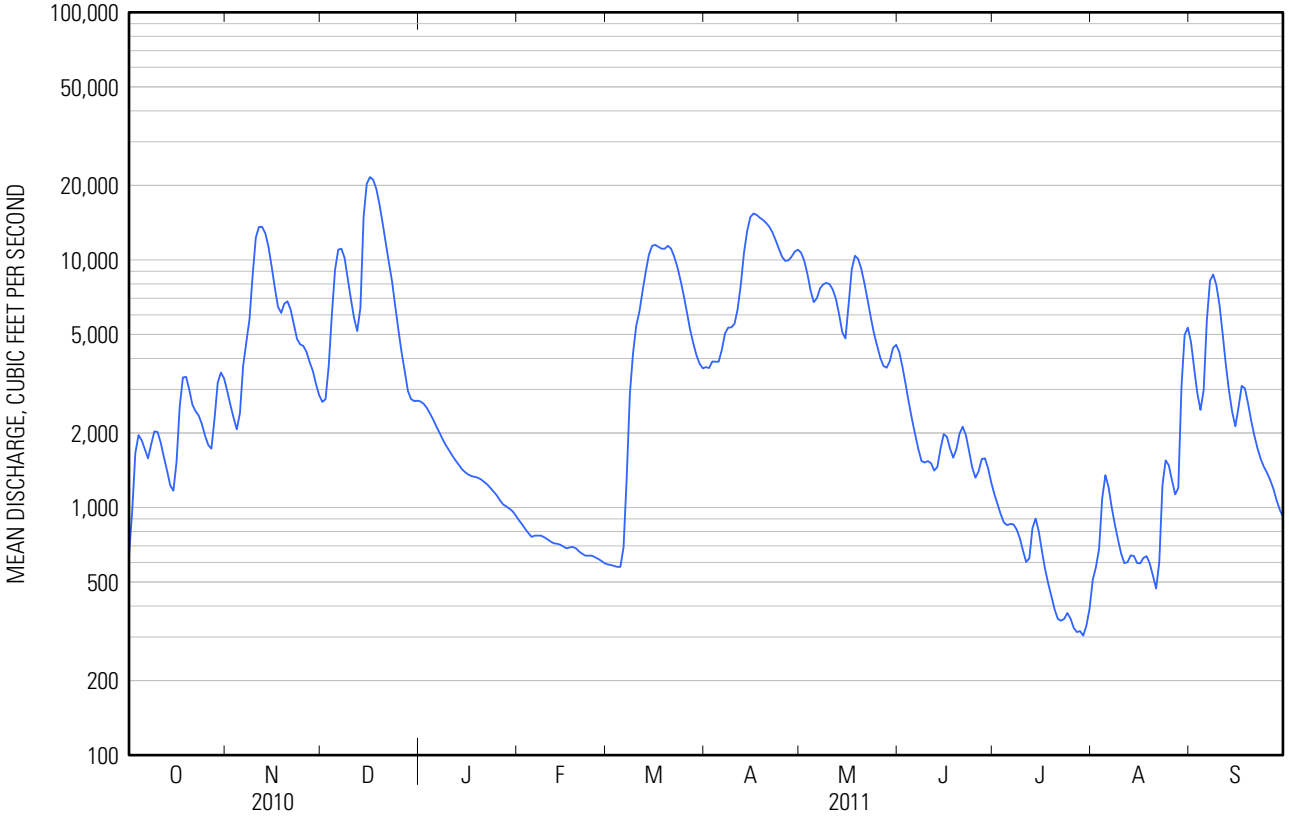
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	638	2,950	2,670	e2,680	e889	e589	3,690	10,700	4,240	1,130	509	4,660
2	964	2,590	2,740	e2,620	e855	e586	3,660	9,920	3,690	1,030	574	3,650
3	1,660	2,300	3,730	e2,520	e819	e581	3,890	8,780	3,140	938	680	2,890
4	1,960	2,070	6,030	e2,390	e788	e576	3,880	7,530	2,650	869	1,090	2,480
5	1,870	2,410	9,130	e2,260	e761	e576	3,880	6,750	2,270	849	1,350	2,980
6	1,720	3,730	11,000	e2,120	e770	e690	4,330	7,010	1,970	858	1,210	5,700
7	1,580	4,640	11,100	e2,000	e770	e1,320	5,040	7,680	1,720	855	1,000	8,240
8	1,800	5,740	10,200	e1,880	e770	e2,880	5,330	7,970	1,540	816	852	8,730
9	2,030	8,660	e8,410	e1,780	e758	e4,200	5,340	8,080	1,520	753	739	7,920
10	2,020	12,300	e6,950	e1,700	e744	e5,410	5,520	7,980	1,540	670	650	6,570
11	1,830	13,600	e5,820	e1,620	e729	e6,180	6,330	7,590	1,510	603	596	5,020
12	1,600	13,600	5,160	e1,550	e717	e7,480	7,970	6,960	1,410	623	602	3,770
13	1,410	12,800	6,410	e1,490	e714	e8,950	10,700	6,030	1,460	826	641	2,960
14	1,230	11,300	14,900	e1,430	e708	e10,500	13,100	5,100	1,730	902	637	2,430
15	1,170	9,400	20,300	e1,390	e696	11,400	14,900	4,820	1,980	800	597	2,130
16	1,530	7,720	21,600	e1,360	e684	11,500	15,400	6,610	1,930	665	595	2,540
17	2,560	6,470	21,100	e1,340	e690	11,300	15,200	9,180	1,730	562	626	3,100
18	3,350	6,110	19,400	e1,330	e693	11,100	14,800	10,400	1,590	491	636	3,030
19	3,370	6,660	16,800	e1,320	e684	11,100	14,500	10,100	1,720	437	594	2,630
20	3,000	6,800	14,100	e1,300	e664	11,400	14,100	9,200	1,990	387	530	2,240
21	2,600	6,300	11,700	e1,270	e650	11,100	13,600	8,030	2,120	355	471	1,950
22	2,450	5,490	9,730	e1,240	e639	10,300	12,900	6,890	1,960	349	602	1,730
23	2,350	4,800	8,160	e1,200	e639	9,340	12,000	5,860	1,690	355	1,230	1,570
24	2,170	4,560	e6,480	e1,160	e639	8,260	11,100	5,050	1,450	375	1,550	1,460
25	1,950	4,490	e5,200	e1,120	e630	7,170	10,300	4,500	1,320	356	1,480	1,380
26	1,790	4,250	e4,220	e1,070	e620	6,140	9,910	4,020	1,400	327	1,290	1,290
27	1,730	3,860	e3,540	e1,030	e609	5,230	9,960	3,730	1,570	314	1,130	1,190
28	2,300	3,560	e2,950	e1,010	e596	4,610	10,300	3,670	1,580	317	1,200	1,070
29	3,200	e3,150	e2,740	e990	---	4,120	10,800	3,900	1,440	304	3,070	981
30	3,510	e2,840	e2,690	e966	---	3,810	11,000	4,410	1,260	333	4,980	918
31	3,320	---	e2,700	e928	---	3,650	---	4,540	---	390	5,330	---
Total	64,662	185,150	277,660	48,064	19,925	192,048	283,430	212,990	57,120	18,839	37,041	97,209
Mean	2,086	6,172	8,957	1,550	712	6,195	9,448	6,871	1,904	608	1,195	3,240
Max	3,510	13,600	21,600	2,680	889	11,500	15,400	10,700	4,240	1,130	5,330	8,730
Min	638	2,070	2,670	928	596	576	3,660	3,670	1,260	304	471	918
Cfsm	1.47	4.35	6.32	1.09	0.50	4.37	6.66	4.85	1.34	0.43	0.84	2.29
In.	1.70	4.86	7.28	1.26	0.52	5.04	7.44	5.59	1.50	0.49	0.97	2.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,516	2,978	2,795	1,506	1,256	2,306	8,584	5,425	1,984	1,041	774	813
Max	8,509	8,428	9,871	6,304	4,685	11,330	13,950	12,760	7,262	5,658	3,475	5,106
(WY)	(2006)	(1964)	(1951)	(2006)	(1970)	(1936)	(1976)	(1961)	(1984)	(1996)	(2008)	(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 2010		Water Year 2011		Water Years 1935 - 2011	
Annual total	1,221,909		1,494,138			
Annual mean	3,348		4,094		2,580	
Highest annual mean					4,266	2006
Lowest annual mean					1,307	1985
Highest daily mean	21,600	Dec 16	21,600	Dec 16	29,200	Mar 23, 1936
Lowest daily mean	66	Sep 3	304	Jul 29	32	Sep 4, 1995
Annual seven-day minimum	74	Aug 28	332	Jul 24	33	Sep 1, 1995
Maximum peak flow			22,100	Dec 16	29,200	Mar 23, 1936
Maximum peak stage			15.24	Dec 16	15.34	Mar 23, 1936
Instantaneous low flow			297	Jul 29	30	Sep 7, 1995
Annual runoff (cfsm)	2.36		2.89		1.82	
Annual runoff (inches)	32.06		39.20		24.73	
10 percent exceeds	9,150		10,700		6,720	
50 percent exceeds	1,970		2,350		1,260	
90 percent exceeds	242		628		268