

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45°30'03", long 68°18'22", Penobscot County, 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.

PERIOD OF RECORD.--

DISCHARGE: October 1934 to current year.

CHEMICAL ANALYSES: Water year 1954.

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, Nov. 30 to Dec. 15 and Jan. 1 to Mar. 31, which are fair. Satellite gage-height 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, 16,200 ft³/s, Apr. 26, gage height, 13.25 ft; minimum discharge, 113 ft³/s, Sept. 23, gage height, 3.83 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,050	698	e3,100	e2,680	e592	e501	8,490	13,100	1,670	537	579	354
2	865	651	e2,720	e2,540	e588	e491	8,850	12,200	2,070	532	539	328
3	716	610	e2,380	e2,300	e603	e495	8,710	11,900	2,860	499	505	299
4	577	552	e2,050	e2,030	e676	e517	8,400	11,500	3,000	479	484	294
5	482	526	e1,940	e1,790	e763	e546	7,870	10,800	2,590	476	728	293
6	431	530	e1,940	e1,600	e812	e558	7,210	9,650	2,460	444	2,840	288
7	389	580	e1,910	e1,450	e825	e542	6,650	8,630	2,810	449	4,110	277
8	354	612	e1,810	e1,320	e810	e505	5,960	8,090	3,160	446	4,270	261
9	318	669	e1,620	e1,220	e766	e476	5,350	7,800	3,150	424	3,720	242
10	288	713	e1,510	e1,140	e706	e459	4,900	7,240	2,870	391	3,080	221
11	262	742	e1,500	e1,070	e664	e443	4,780	6,470	2,530	371	3,130	206
12	244	852	e1,400	e1,010	e628	e431	5,060	5,730	2,230	380	3,710	189
13	228	1,220	e1,210	e962	e601	e421	5,890	5,260	1,980	382	3,990	177
14	237	2,200	e1,230	e914	e578	e416	6,850	4,970	1,900	369	3,640	166
15	257	3,030	e1,790	e872	e560	e410	7,780	4,660	2,230	346	2,950	157
16	263	3,190	2,910	e838	e546	e405	8,900	4,260	2,490	313	2,300	152
17	280	3,010	3,280	e806	e534	e400	9,720	3,810	2,450	293	1,910	148
18	338	2,890	3,100	e776	e524	e403	10,200	3,370	2,190	279	1,710	142
19	472	2,930	2,720	e753	e517	e411	10,200	2,970	1,900	246	1,480	137
20	678	2,850	2,400	e731	e511	e434	9,940	2,610	1,670	228	1,240	131
21	938	2,670	4,370	e711	e506	e474	10,100	2,300	1,460	214	1,050	125
22	1,080	2,700	7,410	e694	e507	e560	11,200	2,030	1,270	206	897	119
23	1,060	3,690	8,690	e678	e516	e745	12,700	1,820	1,110	208	773	116
24	975	5,440	8,300	e663	e536	e1,150	14,200	1,670	1,000	293	670	120
25	893	6,350	7,450	e650	e563	e1,810	15,500	1,620	905	896	582	118
26	829	6,130	6,370	e640	e577	e2,810	15,900	1,580	813	1,140	511	122
27	811	5,430	5,290	e629	e558	e3,840	15,900	1,540	725	1,060	465	125
28	834	4,410	4,410	e619	e524	e4,850	15,500	1,470	644	927	451	148
29	840	3,490	3,850	e611	---	e5,780	14,900	1,430	563	831	435	235
30	808	e3,180	3,220	e603	---	e6,860	14,000	1,410	528	719	414	553
31	755	---	2,790	e598	---	e7,680	---	1,510	---	645	385	---
TOTAL	18,552	72,545	104,670	33,898	17,091	45,823	291,610	163,400	57,228	15,023	53,548	6,243
MEAN	598	2,418	3,376	1,093	610	1,478	9,720	5,271	1,908	485	1,727	208
MAX	1,080	6,350	8,690	2,680	825	7,680	15,900	13,100	3,160	1,140	4,270	553
MIN	228	526	1,210	598	506	400	4,780	1,410	528	206	385	116
CFSM	0.42	1.71	2.38	0.77	0.43	1.04	6.85	3.72	1.35	0.34	1.22	0.15
IN.	0.49	1.90	2.75	0.89	0.45	1.20	7.65	4.29	1.50	0.39	1.40	0.16

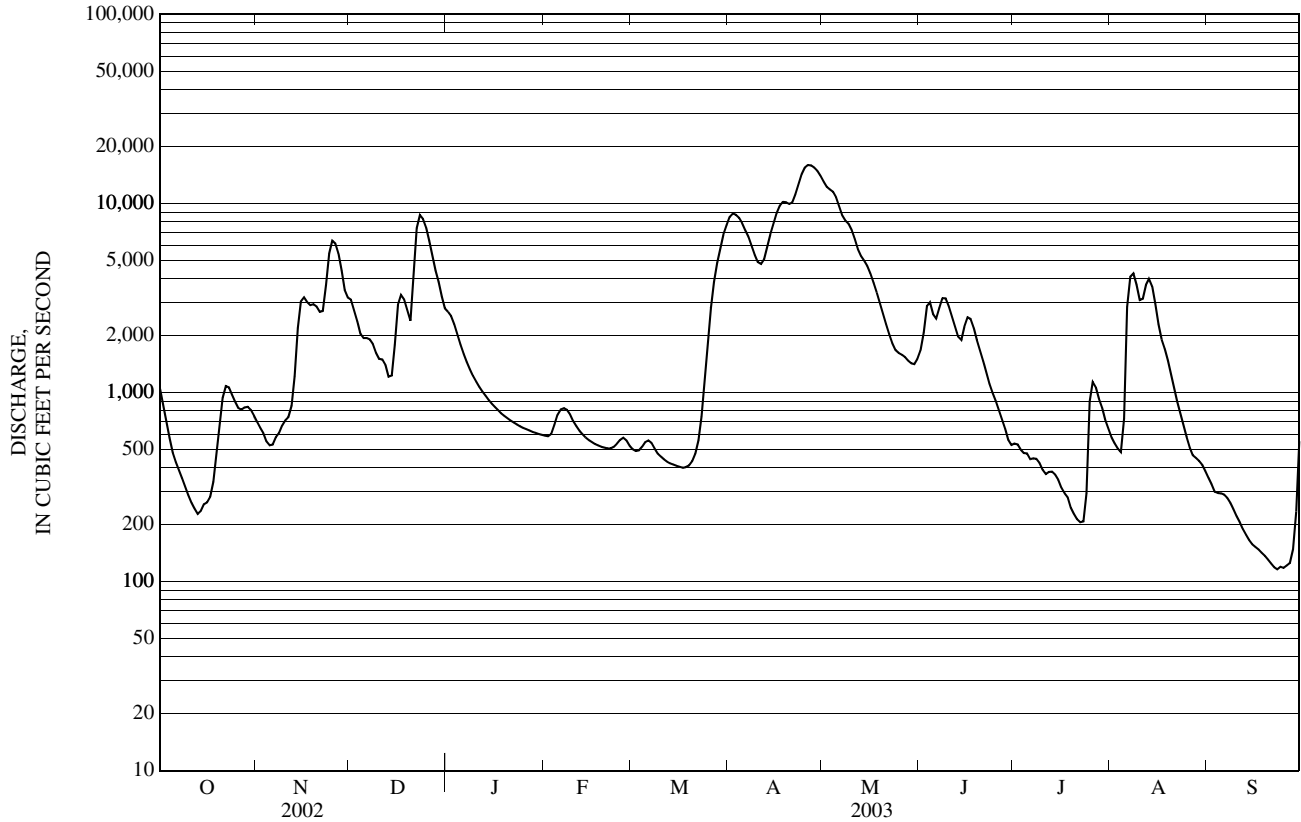
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2003, BY WATER YEAR (WY)

MEAN	1,367	2,672	2,579	1,402	1,254	2,237	8,512	5,456	1,968	1,014	729	794
MAX	6,901	8,428	9,871	3,938	4,685	11,330	13,950	12,760	7,262	5,658	2,565	5,106
(WY)	(1982)	(1964)	(1951)	(1978)	(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)

e Estimated

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1935 - 2003	
ANNUAL TOTAL	807,714		879,631			
ANNUAL MEAN	2,213		2,410		2,497	
HIGHEST ANNUAL MEAN					4,015 1984	
LOWEST ANNUAL MEAN					1,307 1985	
HIGHEST DAILY MEAN	14,700	Apr 17	15,900	Apr 26	29,200	Mar 23, 1936
LOWEST DAILY MEAN	54	Sep 10	116	Sep 23	32	Sep 4, 1995
ANNUAL SEVEN-DAY MINIMUM	58	Sep 8	121	Sep 21	33	Sep 1, 1995
MAXIMUM PEAK FLOW			16,200		29,200	
MAXIMUM PEAK STAGE			13.25		15.34	
INSTANTANEOUS LOW FLOW			113		30	
ANNUAL RUNOFF (CFSM)	1.56		1.70		1.76	
ANNUAL RUNOFF (INCHES)	21.19		23.08		23.93	
10 PERCENT EXCEEDS	6,130		7,220		6,480	
50 PERCENT EXCEEDS	829		896		1,190	
90 PERCENT EXCEEDS	180		285		258	



01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

LOCATION.--Lat 45°16'02", long 69°35'03", Piscataquis County, Hydrologic Unit 01020004, on left bank at downstream side of bridge in the Town of Blanchard, and 1.0 mi downstream of the confluence of the East and West Branches of the Piscataquis River.

DRAINAGE AREA.--118 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1996 to current year.

REVISED RECORDS.--WDR ME-98-1: 1997(M).

GAGE.--Water-stage recorder. Datum of gage is 564.09 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 1-10, 17-21, and Nov. 26 to Apr. 11, which are fair. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,550 ft³/s, Apr. 9, 2000, gage height 11.38; minimum discharge, 2.9 ft³/s, Sept. 10-11, 2002, gage height 3.13 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 16	0545	*1,510	*7.20	No peaks greater than base discharge.			

Minimum discharge, 6.7 ft³/s, Oct. 13, gage height, 3.40 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	e32	e58	e66	e26	e21	e549	453	193	45	42	10
2	15	e28	e53	e72	e28	e21	e442	563	271	39	49	10
3	13	e25	e49	e67	e33	e23	e358	762	201	35	53	9.7
4	11	e25	e46	e63	e40	e22	e303	575	159	32	48	24
5	11	e24	e43	e62	e39	e21	e257	438	146	36	49	28
6	10	e24	e41	e60	e36	e21	e225	365	434	40	57	19
7	8.9	e27	e38	e57	e32	e20	e198	388	375	35	56	16
8	8.5	e27	e37	e55	e30	e20	e179	372	274	32	47	13
9	7.6	e27	e35	e52	e28	e20	e166	315	220	33	42	11
10	7.4	e29	e34	e50	e26	e19	e168	266	208	26	80	9.8
11	7.4	54	e33	e48	e25	e19	e218	230	172	28	214	9.2
12	7.3	76	e32	e46	e24	e19	346	269	166	49	117	8.9
13	7.1	148	e31	e44	e24	e18	604	342	151	46	93	8.5
14	9.7	173	e37	e43	e23	e18	634	357	247	36	77	8.2
15	9.7	141	e101	e41	e22	e18	801	308	400	31	60	8.1
16	9.5	106	e89	e40	e22	e18	1,430	252	505	27	50	13
17	57	e88	e68	e38	e22	e19	1,040	208	362	24	42	23
18	61	e78	e58	e37	e22	e24	749	180	247	21	37	18
19	45	e71	e52	e36	e22	e36	586	159	187	19	32	14
20	63	e66	e59	e34	e22	e32	603	140	154	17	28	18
21	53	e63	e290	e33	e22	e114	757	125	125	17	25	27
22	45	99	e357	e33	e23	e331	849	114	106	21	23	21
23	37	302	e259	e32	e24	e439	829	108	96	122	19	20
24	32	293	e182	e31	e25	e519	856	107	89	375	16	49
25	28	214	e131	e30	e24	e510	769	116	78	200	14	35
26	28	e154	e103	e29	e23	e442	667	118	69	122	14	27
27	57	e113	e83	e29	e23	e525	698	140	61	98	14	22
28	62	e88	e72	e28	e22	e538	712	133	70	90	13	76
29	52	e75	e65	e27	---	e646	638	147	55	72	12	407
30	44	e65	e59	e27	---	e848	533	178	49	58	12	210
31	37	---	e55	e26	---	e697	---	201	---	48	11	---
TOTAL	863.1	2,735	2,650	1,336	732	6,038	17,164	8,429	5,870	1,874	1,446	1,173.4
MEAN	27.8	91.2	85.5	43.1	26.1	195	572	272	196	60.5	46.6	39.1
MAX	63	302	357	72	40	848	1,430	762	505	375	214	407
MIN	7.1	24	31	26	22	18	166	107	49	17	11	8.1
CFSM	0.24	0.77	0.72	0.37	0.22	1.65	4.85	2.30	1.66	0.51	0.40	0.33
IN.	0.27	0.86	0.84	0.42	0.23	1.90	5.41	2.66	1.85	0.59	0.46	0.37

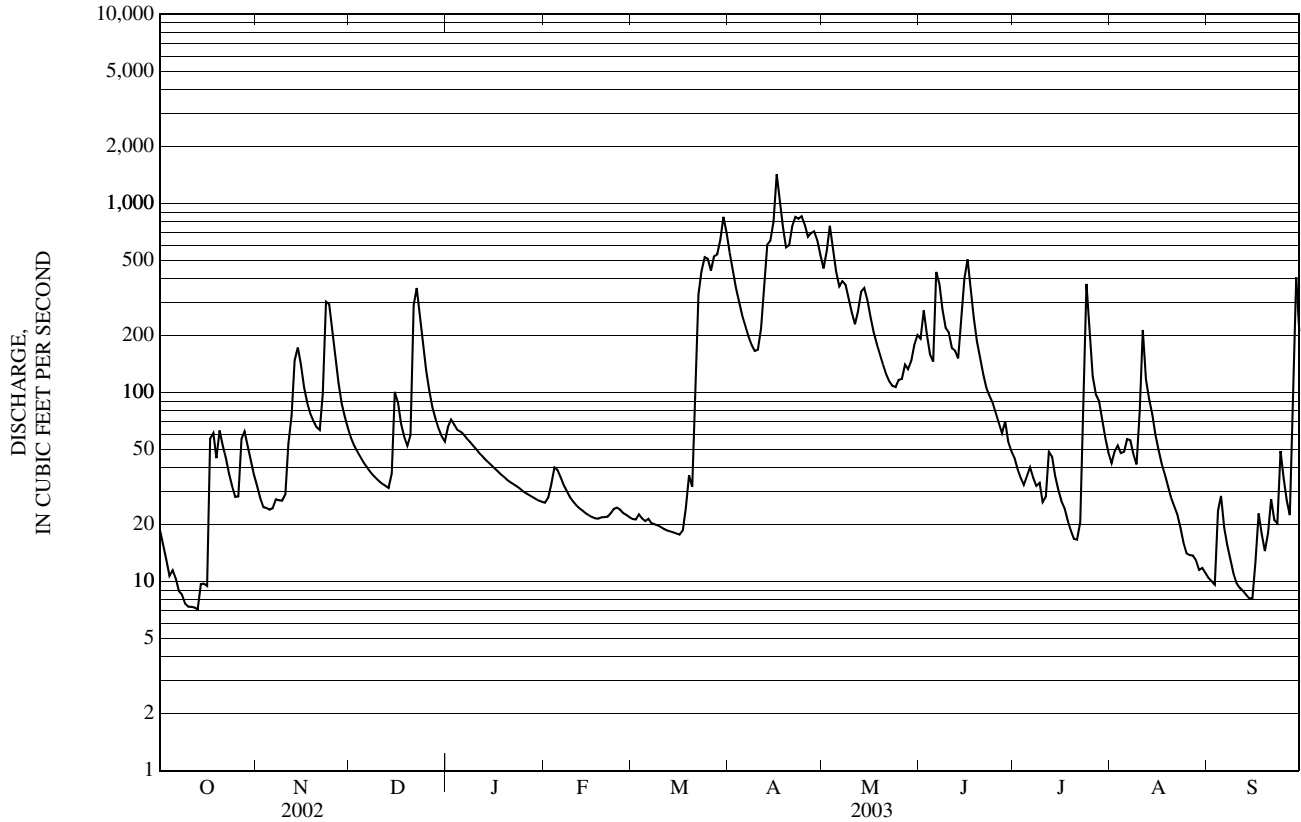
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	112	188	190	98.9	88.5	307	809	332	190	69.3	21.6	75.1
MAX	380	368	507	300	208	585	1,252	689	543	199	46.6	383
(WY)	(2000)	(1998)	(1997)	(1999)	(1998)	(1998)	(2000)	(1997)	(1998)	(1998)	(2003)	(1999)
MIN	17.8	21.3	56.9	37.6	26.1	45.1	558	133	62.8	27.2	7.79	8.36
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(1999)	(1999)	(2000)	(2000)	(2001)	(2002)

e Estimated

01031300 PISCATAQUIS RIVER AT BLANCHARD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	51,406.3		50,310.5		206	
ANNUAL MEAN	141		138		132	
HIGHEST ANNUAL MEAN					286	1998
LOWEST ANNUAL MEAN					132	2002
HIGHEST DAILY MEAN	1,780	Apr 15	1,430	Apr 16	4,240	Apr 9, 2000
LOWEST DAILY MEAN	3.0	Sep 10	7.1	Oct 13	3.0	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	3.4	Sep 5	7.7	Oct 7	3.4	Sep 5, 2002
MAXIMUM PEAK FLOW			1,510	Apr 16	7,550	Apr 9, 2000
MAXIMUM PEAK STAGE			7.20	Apr 16	11.38	Apr 9, 2000
INSTANTANEOUS LOW FLOW			6.7	Oct 13	2.9	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.19		1.17		1.75	
ANNUAL RUNOFF (INCHES)	16.21		15.86		23.77	
10 PERCENT EXCEEDS	356		418		567	
50 PERCENT EXCEEDS	51		49		74	
90 PERCENT EXCEEDS	6.9		16		13	



01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME

LOCATION.--Lat 45°11'05", long 69°27'10", Piscataquis County, Hydrologic Unit 01020004, on left bank 200 ft upstream from State Route 15/16 highway bridge in Abbot Village, and 0.9 mi upstream from mouth.

DRAINAGE AREA.--95.4 mi².

PERIOD OF RECORD.--

DISCHARGE: July 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 423.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 2-10, 17-22, Nov. 28 to Apr. 12, and periods of no gage-height record, Dec. 5, 9, and Jan. 7-24, which are fair. Low flow may be regulated by operation of Kingsbury Pond Dam above station. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,290 ft³/s, Apr. 9, 2000, gage height, 12.81 ft; minimum discharge, 1.1 ft³/s, Aug. 20, 2001, gage height 4.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 27	0630	Ice Jam	*10.87	Apr 16	0715	*1,290	9.90

Minimum discharge, 3.8 ft³/s, Sept. 15-16, gage height, 4.88 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	38	e75	e51	e19	e22	e581	240	150	32	16	6.3
2	13	e32	e67	e50	e22	e22	e443	478	308	28	18	5.7
3	12	e27	e61	e49	e25	e23	e343	804	198	25	22	5.2
4	9.4	e27	e57	e46	e29	e25	e286	465	132	24	21	9.3
5	9.4	e28	e52	e44	e33	e24	e246	330	131	22	25	25
6	10	e30	e48	e41	e32	e25	e216	273	567	21	30	18
7	11	e42	e45	e40	e30	e24	e196	310	320	18	34	12
8	9.1	e39	e43	e38	e28	e23	e176	267	219	19	29	9.3
9	8.0	e42	e41	e36	e26	e23	e163	218	178	29	25	7.6
10	7.7	e43	e39	e35	e25	e22	e152	187	190	26	49	6.5
11	7.3	74	e38	e33	e25	e22	e259	162	143	23	125	5.7
12	7.2	86	e38	e32	e24	e21	e446	205	118	40	98	5.2
13	7.4	147	e37	e31	e23	e21	795	275	95	36	70	4.9
14	13	176	e42	e30	e23	e21	716	307	343	29	51	4.5
15	26	123	e174	e29	e22	e20	760	253	526	23	38	4.2
16	20	93	e124	e28	e22	e20	1,190	193	491	19	29	5.1
17	90	e76	e92	e27	e21	e21	804	157	275	18	25	11
18	109	e66	e74	e26	e21	e24	547	137	182	16	21	15
19	69	e61	e62	e25	e21	e33	440	119	143	14	17	11
20	77	e59	e56	e24	e22	e56	452	104	119	12	13	12
21	62	e57	e355	e24	e23	e80	519	93	96	11	12	30
22	48	e105	e249	e23	e24	e288	515	87	81	12	11	26
23	40	565	e189	e23	e25	e668	529	79	75	27	9.2	21
24	35	407	e143	e22	e26	e1,120	542	77	69	64	7.9	41
25	31	234	e115	e22	e25	e961	455	105	60	66	7.6	42
26	30	169	e95	e21	e24	e717	370	108	52	46	6.9	32
27	64	131	e81	e21	e23	e878	410	131	46	35	6.9	27
28	73	e111	e71	e20	e23	e706	400	125	45	30	6.7	30
29	59	e94	e63	e20	---	e690	327	121	39	25	6.2	525
30	48	e84	e57	e20	---	e1,020	267	126	35	20	6.5	275
31	41	---	e53	e19	---	e795	---	179	---	17	6.6	---
TOTAL	1,063.5	3,266	2,736	950	686	8,415	13,545	6,715	5,426	827	843.5	1,232.5
MEAN	34.3	109	88.3	30.6	24.5	271	452	217	181	26.7	27.2	41.1
MAX	109	565	355	51	33	1,120	1,190	804	567	66	125	525
MIN	7.2	27	37	19	19	20	152	77	35	11	6.2	4.2
CFSM	0.36	1.14	0.93	0.32	0.26	2.85	4.73	2.27	1.90	0.28	0.29	0.43
IN.	0.41	1.27	1.07	0.37	0.27	3.28	5.28	2.62	2.12	0.32	0.33	0.48

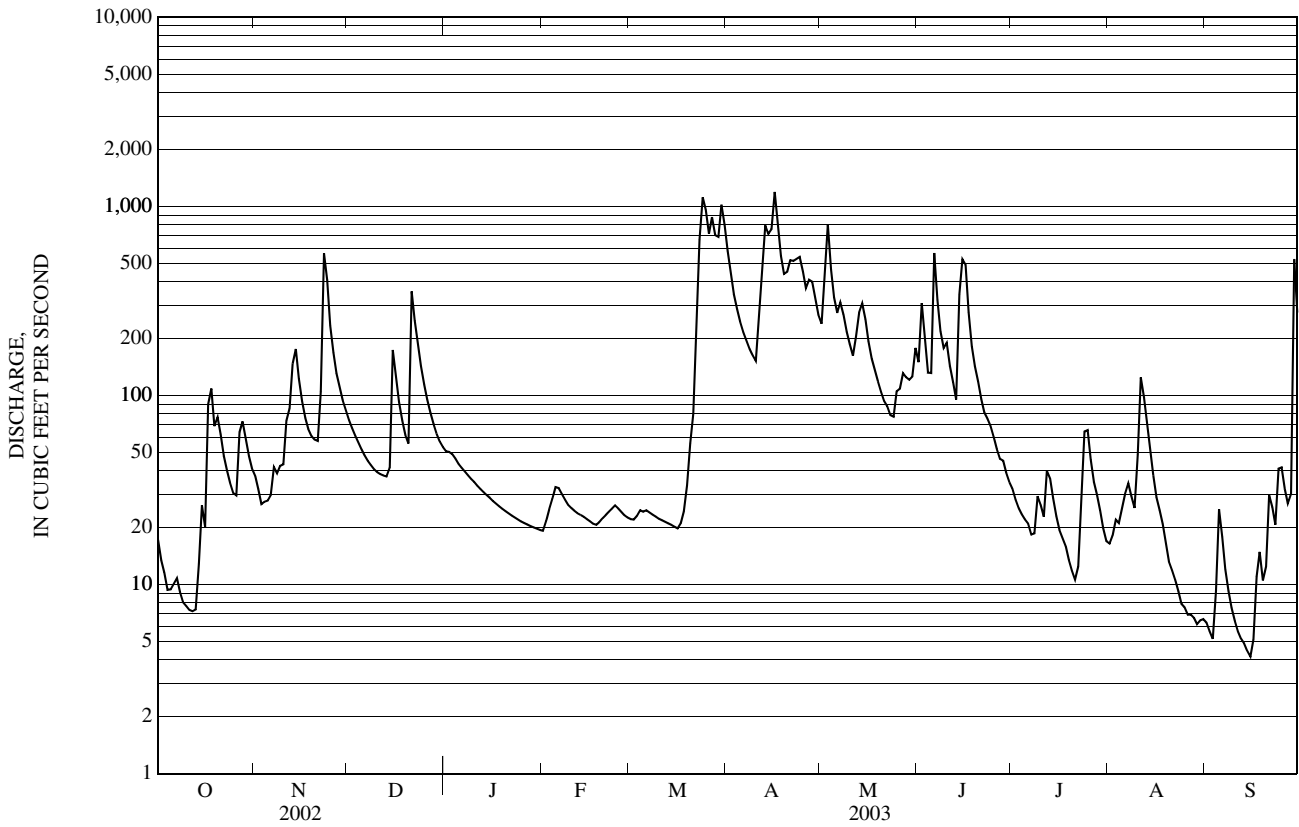
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	88.3	148	126	75.2	93.3	390	667	219	188	47.4	16.2	61.7
MAX	325	337	272	201	186	665	942	301	535	127	27.2	295
(WY)	(2000)	(2000)	(2001)	(1999)	(1998)	(1998)	(2000)	(2000)	(1998)	(1998)	(2003)	(1999)
MIN	23.5	23.3	47.8	30.6	24.5	69.8	436	115	55.8	15.0	2.54	8.63
(WY)	(2002)	(2002)	(2002)	(2003)	(2003)	(2001)	(1999)	(1999)	(2000)	(2001)	(2001)	(2002)

e Estimated

01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	55,765.1		45,705.5		177	
ANNUAL MEAN	153		125		125	
HIGHEST ANNUAL MEAN					245	1998
LOWEST ANNUAL MEAN					125	2003
HIGHEST DAILY MEAN	1,390	Apr 15	1,190	Apr 16	3,390	Mar 29, 2000
LOWEST DAILY MEAN	2.4	Sep 2	4.2	Sep 15	1.2	Aug 19, 2001
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 28	5.2	Sep 10	1.4	Aug 14, 2001
MAXIMUM PEAK FLOW			1,290	Apr 16	5,290	Apr 9, 2000
MAXIMUM PEAK STAGE			10.87	Mar 27	12.81	Apr 9, 2000
INSTANTANEOUS LOW FLOW			3.8	Sep 15	1.1	Aug 20, 2001
ANNUAL RUNOFF (CFSM)	1.60		1.31		1.85	
ANNUAL RUNOFF (INCHES)	21.74		17.82		25.14	
10 PERCENT EXCEEDS	419		382		477	
50 PERCENT EXCEEDS	60		40		57	
90 PERCENT EXCEEDS	6.8		12		12	



01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'31", long 69°18'55", Piscataquis County, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.

DRAINAGE AREA.--298 mi².

PERIOD OF RECORD.--

DISCHARGE: August 1902 to current year. Daily gage height and monthly discharge only for August to September 1902.

CHEMICAL ANALYSES: Water year 1955.

WATER TEMPERATURE: May 1987 to September 1989.

REVISED RECORDS.--WSP 279: 1902. WSP 1201: 1903-17, 1918-30(M), 1934-35. WSP 1301: 1909(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 358.47 ft above National Geodetic Vertical Datum of 1929. Prior to July 20, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 3-10, 17-21, and Nov. 27 to Apr. 12, which are fair. Low flow may be regulated by operation of mills above station. Telephone and satellite gage-height telemeters at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,300 ft³/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft³/s on basis of slope-area measurement; minimum discharge, 5.0 ft³/s, Aug. 6, 1905, Nov. 22, 1908.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 30	1045	Ice Jam	*6.82	Apr 16	1130	*3,280	6.12

Minimum discharge, 22 ft³/s, Oct. 13, gage height, 1.50 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	97	e208	e153	e58	e68	e1,600	948	513	115	82	30
2	49	88	e187	e147	e86	e73	e1,240	1,240	792	103	86	27
3	43	e63	e170	e147	e105	e111	e1,030	2,200	646	94	95	26
4	36	e66	e156	e137	e101	e88	e868	1,550	453	87	94	36
5	36	e70	e145	e133	e122	e87	e729	1,170	395	82	99	55
6	33	e76	e137	e129	e104	e105	e634	955	1,170	84	109	65
7	31	e96	e129	e125	e93	e94	e559	989	1,050	79	121	57
8	29	e84	e123	e121	e87	e87	e510	938	762	82	109	47
9	26	e106	e117	e117	e82	e82	e473	802	612	102	95	40
10	25	e99	e113	e113	e77	e79	e495	692	600	90	142	36
11	24	141	e111	e108	e74	e75	e655	602	486	84	550	32
12	23	189	e109	e104	e70	e71	e980	650	405	111	418	30
13	23	303	e107	e100	e67	e67	1,790	855	355	125	314	27
14	30	466	e131	e96	e65	e64	1,800	929	650	104	241	26
15	34	367	e313	e92	e62	e61	1,830	842	1,230	86	179	24
16	40	283	e369	e89	e61	e60	3,070	687	1,330	76	141	28
17	85	e239	e275	e86	e61	e63	2,410	565	963	70	111	37
18	230	e213	e207	e83	e61	e71	1,730	476	677	65	93	45
19	164	e195	e175	e80	e65	e89	1,350	406	513	60	81	45
20	170	e184	e186	e78	e68	e125	1,300	352	409	54	71	47
21	163	e177	e714	e75	e68	e228	1,510	310	332	50	65	59
22	130	229	e830	e73	e66	e284	1,650	277	275	50	61	71
23	108	1,050	e625	e72	e104	e526	1,710	254	246	76	54	65
24	92	1,120	e462	e70	e100	e1,660	1,780	246	228	497	46	88
25	81	740	e343	e68	e86	e1,900	1,630	292	203	426	40	115
26	79	528	e279	e67	e78	e1,500	1,380	327	176	262	37	89
27	129	e392	e233	e65	e73	e2,020	1,370	361	157	189	37	76
28	178	e319	e206	e63	e70	e2,180	1,440	379	153	165	35	104
29	152	e271	e186	e62	---	e2,490	1,270	350	140	136	32	1,040
30	127	e234	e173	e60	---	e2,930	1,090	414	124	110	33	791
31	109	---	e162	e59	---	e2,180	---	587	---	93	31	---
TOTAL	2,537	8,485	7,681	2,972	2,214	19,518	39,883	21,645	16,045	3,807	3,702	3,258
MEAN	81.8	283	248	95.9	79.1	630	1,329	698	535	123	119	109
MAX	230	1,120	830	153	122	2,930	3,070	2,200	1,330	497	550	1,040
MIN	23	63	107	59	58	60	473	246	124	50	31	24
CFSM	0.27	0.95	0.83	0.32	0.27	2.11	4.46	2.34	1.79	0.41	0.40	0.36
IN.	0.32	1.06	0.96	0.37	0.28	2.44	4.98	2.70	2.00	0.48	0.46	0.41

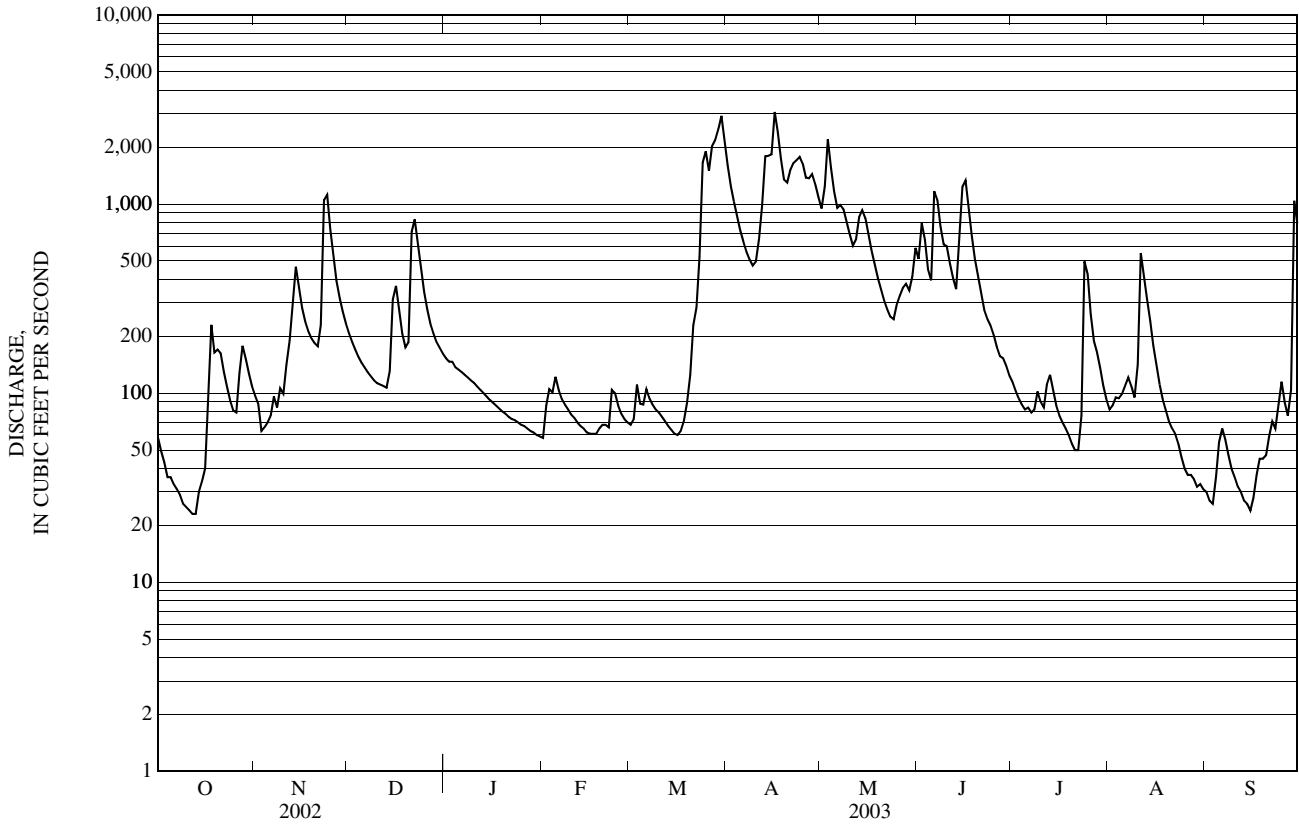
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

	388	668	539	307	274	613	2,075	1,253	470	240	169	182
MEAN	388	668	539	307	274	613	2,075	1,253	470	240	169	182
MAX	1,910	2,468	2,699	1,441	1,582	3,791	3,459	3,399	1,916	1,378	974	1,461
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1983)	(1969)	(1917)	(1996)	(1917)	(1954)
MIN	35.2	39.0	47.5	61.5	31.2	105	766	286	68.8	42.9	14.6	16.7
(WY)	(1948)	(1911)	(1979)	(1918)	(1980)	(1967)	(1981)	(1903)	(1921)	(1965)	(2001)	(1948)

e Estimated

01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	145,063.3		131,747		598	
ANNUAL MEAN	397		361		238	
HIGHEST ANNUAL MEAN					990	1954
LOWEST ANNUAL MEAN					238	1911
HIGHEST DAILY MEAN	3,920	Apr 15	3,070	Apr 16	31,700	Apr 1, 1987
LOWEST DAILY MEAN	8.6	Sep 13	23	Oct 12	5.0	Aug 6, 1905
ANNUAL SEVEN-DAY MINIMUM	9.6	Sep 8	26	Oct 8	9.5	Sep 11, 2001
MAXIMUM PEAK FLOW			3,280	Apr 16	37,300	Apr 1, 1987
MAXIMUM PEAK STAGE			6.82	Mar 30	22.62	Apr 1, 1987
INSTANTANEOUS LOW FLOW			22	Oct 13	5.0	Aug 6, 1905
ANNUAL RUNOFF (CFSM)	1.33		1.21		2.01	
ANNUAL RUNOFF (INCHES)	18.11		16.45		27.26	
10 PERCENT EXCEEDS	1,040		1,070		1,550	
50 PERCENT EXCEEDS	160		121		250	
90 PERCENT EXCEEDS	23		46		54	



01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45°15'40", long 68°52'07", Piscataquis County, Hydrologic Unit 01020004, on left bank 2.0 mi southwest of Medford, and 3.3 mi downstream from Pleasant River.

DRAINAGE AREA.--1,162 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1924 to September 1982, October 1989 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 1231: 1936. WSP 1301: 1925-29(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 248.68 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 14, 1929, nonrecording gage at site 1.8 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Nov.26 to Dec. 20 and Dec. 24 to Mar. 30, which are fair. Flow regulated by Sebec Lake, 15 mi upstream, and other small reservoirs and power plants above station, usable capacity about 2.511 billion ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft³/s, Nov. 4, 1966, gage height, 15.58 ft; minimum discharge, 77 ft³/s, Sept. 20, 2001, gage height, 1.10 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1923 reached a stage of 20.8 ft, former site and datum, discharge not determined. Maximum discharge since at least 1923, 85,000 ft³/s, Apr. 1, 1987, gage height 18.65 ft, present datum, from floodmarks, from rating curve extended above 32,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 28	1700	Ice Jam	*6.90	Mar 31	0545	*8,860	6.47

Minimum discharge, 170 ft³/s, Oct. 13, gage height, 1.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	420	676	e1,130	e1,390	e495	e517	7,020	4,280	1,790	561	786	302
2	348	485	e1,060	e1,360	e524	e528	5,440	4,580	2,240	518	762	514
3	304	415	e1,000	e1,200	e605	e522	4,480	6,850	2,660	472	653	315
4	276	365	e980	e1,150	e660	e486	4,030	6,030	2,130	453	478	312
5	256	365	e944	e1,120	e671	e645	3,390	4,800	1,500	520	535	398
6	244	403	e915	e1,100	e652	e692	2,920	4,100	2,670	653	725	405
7	233	603	e839	e982	e613	e666	2,860	4,230	3,610	528	749	374
8	219	636	e826	e924	e605	e626	2,670	4,400	2,980	530	720	353
9	202	611	e808	e885	e588	e592	2,510	3,780	2,570	481	744	257
10	192	580	e792	e851	e577	e564	2,490	3,480	2,700	527	1,060	233
11	187	594	e784	e824	e581	e540	2,850	3,150	2,470	484	2,540	220
12	179	712	e775	e803	e563	e518	3,620	3,010	2,290	573	3,160	213
13	174	1,060	e784	e780	e543	e508	5,180	3,380	1,860	663	2,320	227
14	200	1,600	e854	e765	e529	e490	5,790	3,510	1,850	645	1,880	229
15	228	1,560	e1,580	e748	e514	e475	5,560	3,420	4,060	543	1,540	233
16	240	1,290	e1,820	e731	e504	e474	7,660	3,080	3,930	471	944	242
17	469	1,110	e1,680	e719	e493	e491	8,050	2,770	3,400	422	741	518
18	994	1,120	e1,350	e703	e491	e522	6,140	2,340	2,520	394	640	305
19	1,080	1,060	e1,160	e692	e491	e590	4,960	1,520	2,150	357	556	273
20	1,140	966	e1,110	e784	e496	e684	4,610	1,310	1,600	329	510	281
21	1,150	892	3,440	e738	e511	e1,060	5,040	1,160	1,440	307	471	329
22	1,010	1,020	4,300	e698	e565	e1,350	5,710	1,080	1,240	302	437	368
23	869	2,680	3,440	e624	e594	e2,320	6,360	1,040	1,120	328	406	365
24	771	3,840	e2,600	e606	e592	e3,920	6,820	1,180	1,090	1,290	366	421
25	695	2,990	e2,520	e588	e543	e4,270	6,720	1,250	1,020	2,080	336	531
26	646	e2,250	e2,100	e576	e513	e4,230	5,690	1,360	972	1,720	326	568
27	739	e1,790	e1,850	e557	e493	e5,200	5,200	1,380	810	1,360	326	518
28	863	e1,480	e1,690	e528	e505	e6,240	5,420	1,460	604	1,220	322	553
29	898	e1,310	e1,570	e510	---	e5,730	5,080	1,470	551	1,040	319	3,610
30	822	e1,210	e1,500	e501	---	e7,250	4,540	1,500	536	942	323	4,840
31	784	---	e1,440	e496	---	8,460	---	1,770	---	838	316	---
TOTAL	16,832	35,673	47,641	24,933	15,511	61,160	148,810	88,670	60,363	21,551	25,991	18,307
MEAN	543	1,189	1,537	804	554	1,973	4,960	2,860	2,012	695	838	610
MAX	1,150	3,840	4,300	1,390	671	8,460	8,050	6,850	4,060	2,080	3,160	4,840
MIN	174	365	775	496	491	474	2,490	1,040	536	302	316	213
CFSM	0.47	1.02	1.32	0.69	0.48	1.70	4.27	2.46	1.73	0.60	0.72	0.53
IN.	0.54	1.14	1.53	0.80	0.50	1.96	4.76	2.84	1.93	0.69	0.83	0.59

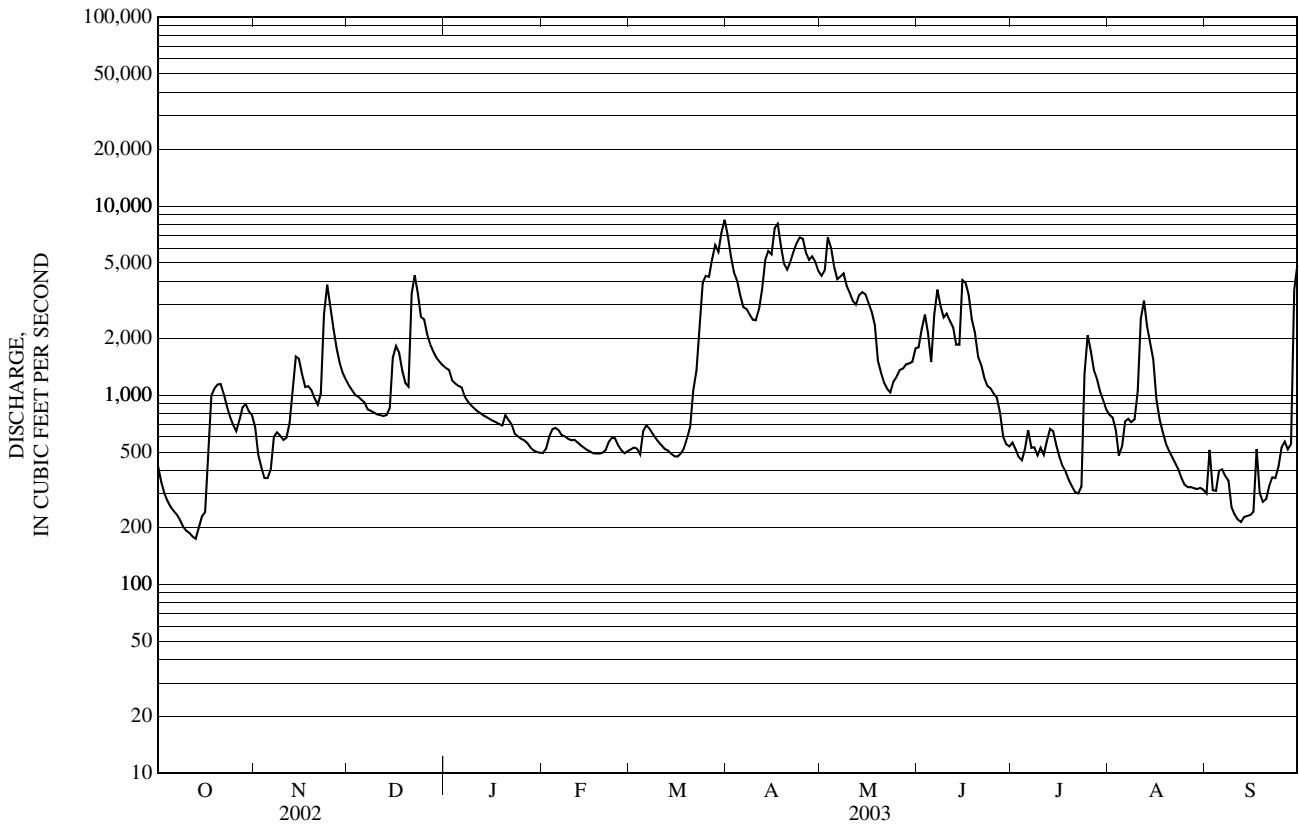
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2003, BY WATER YEAR (WY)

MEAN	1,552	2,589	2,251	1,403	1,372	2,366	7,186	4,669	1,879	1,061	753	907
MAX	6,289	7,672	11,590	4,834	5,659	14,520	12,220	10,920	4,678	5,162	3,686	5,426
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1993)	(1969)	(1931)	(1996)	(1954)	(1954)
MIN	276	325	363	339	334	513	2,876	1,315	623	249	151	149
(WY)	(1936)	(2002)	(1930)	(1948)	(1980)	(1967)	(1981)	(1999)	(1941)	(1991)	(2001)	(1995)

e Estimated

01034000 PISCATAQUIS RIVER AT MEDFORD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1924 - 2003	
ANNUAL TOTAL	577,881		565,442		2,332	
ANNUAL MEAN	1,583		1,549		3,715	
HIGHEST ANNUAL MEAN					1,254 1954	
LOWEST ANNUAL MEAN					1,254 1957	
HIGHEST DAILY MEAN	12,700	Apr 16	8,460	Mar 31	52,900	Nov 4, 1966
LOWEST DAILY MEAN	96	Sep 4	174	Oct 13	79	Sep 20, 2001
ANNUAL SEVEN-DAY MINIMUM	108	Sep 9	193	Oct 8	90	Sep 16, 2001
MAXIMUM PEAK FLOW			8,860	Mar 31	60,100	Nov 4, 1966
MAXIMUM PEAK STAGE			6.90	Mar 28	15.58	Nov 4, 1966
INSTANTANEOUS LOW FLOW			170	Oct 13	77	Sep 20, 2001
ANNUAL RUNOFF (CFSM)	1.36		1.33		2.01	
ANNUAL RUNOFF (INCHES)	18.50		18.10		27.26	
10 PERCENT EXCEEDS	3,720		4,230		5,580	
50 PERCENT EXCEEDS	853		792		1,200	
90 PERCENT EXCEEDS	185		327		414	



01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

LOCATION.--Lat 45°14'12", long 68°38'57", Penobscot County, Hydrologic Unit 01020005, on left bank 20 ft upstream from State Route 6/155 highway bridge, 1,000 ft downstream from Piscataquis River, and at West Enfield.

DRAINAGE AREA.--6,671 mi², including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

DISCHARGE: November 1901 to current year. Daily gage height and monthly discharge only for November 1901 to September 1902. Prior to 1904, published as "at Montague."

CHEMICAL ANALYSES: Water years 1966 to 1978.

SPECIFIC CONDUCTANCE: October 1973 to September 1978.

WATER TEMPERATURE: July 1966 to September 1978.

REVISED RECORDS.--WSP 279: 1902-10. WSP 1171: 1940. WSP 1231: 1902-13. WDR ME-81-1: Drainage area. WDR ME-97-1; 1992(M).

GAGE.--Water-stage recorder. Datum of gage is 125.94 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 11, 1912, nonrecording gage 50 ft downstream at same datum. Dec. 11, 1912 to June 24, 1998, water-stage recorder at site 50 ft downstream at same datum.

REMARKS.--Records good, except for period of ice effect, Dec. 1 to Apr. 15, and period of no gage-height record, Oct. 26 to Nov. 4, which are fair. Flow regulated by many reservoirs above station, combined capacity about 54.336 billion ft³. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153,000 ft³/s, May 1, 1923, gage height, 25.15 ft; minimum daily discharge, 1,630 ft³/s, Oct. 29, 1905.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,900 ft³/s, Apr. 25, gage height, 12.19 ft; maximum gage height, 13.81 ft, Mar. 31 (backwater from ice); minimum daily discharge, 2,510 ft³/s, Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,610	e5,020	e9,860	e7,720	e3,610	e2,680	e27,600	32,700	7,970	4,630	5,150	4,200
2	6,260	e4,360	e9,620	e7,580	e3,970	e2,510	e25,100	30,700	9,300	4,530	4,750	3,650
3	5,540	e4,390	e7,920	e7,290	e4,160	e2,690	e23,000	33,800	11,500	4,150	4,620	4,930
4	5,930	e4,160	e7,470	e6,760	e3,830	e2,930	e20,900	32,800	11,000	4,260	4,250	4,880
5	5,580	3,860	e7,090	e6,280	e3,850	e3,320	e19,200	28,700	9,600	4,780	4,520	4,880
6	5,440	4,340	e7,220	e5,840	e3,800	e3,310	e18,000	25,300	10,400	4,510	6,650	4,800
7	5,460	4,430	e7,110	e5,590	e3,740	e3,290	e16,600	24,100	13,200	4,520	9,160	4,930
8	5,080	5,100	e6,350	e5,430	e3,760	e3,130	e15,400	24,100	14,100	4,320	9,330	4,810
9	5,260	4,900	e6,250	e4,880	e3,830	e3,100	e14,500	22,700	13,900	4,430	8,570	4,710
10	5,090	4,760	e5,830	e4,680	e3,760	e3,070	e14,000	20,700	13,600	4,030	8,380	4,510
11	5,280	5,070	e5,690	e3,760	e3,410	e3,080	e13,700	19,300	12,200	3,990	10,500	4,560
12	4,990	5,100	e5,480	e4,150	e3,320	e2,930	e15,700	18,000	11,500	4,320	12,700	4,640
13	4,930	6,670	e5,990	e4,060	e3,250	e2,910	e19,900	17,700	11,000	4,440	11,600	4,650
14	5,070	8,850	e5,850	e3,560	e3,220	e2,960	e22,400	16,400	7,770	4,320	10,700	4,380
15	5,000	10,100	e7,310	e3,760	e3,140	e2,820	e24,000	16,300	11,800	4,030	9,060	4,620
16	3,670	9,700	e8,310	e3,420	e3,090	e2,960	29,100	14,700	14,300	4,170	7,950	4,530
17	4,220	9,040	e9,660	e3,430	e3,070	e2,770	32,900	13,500	13,800	3,800	6,750	5,080
18	5,020	9,090	e9,170	e3,460	e3,060	e2,960	30,400	12,300	12,000	3,770	6,090	4,650
19	5,760	9,140	e8,450	e3,370	e3,030	e3,020	27,500	10,300	10,900	3,730	5,720	4,680
20	6,100	8,850	e8,050	e3,310	e2,910	e3,080	26,800	9,570	9,270	3,410	5,460	4,670
21	6,650	8,600	e12,200	e3,180	e2,930	e3,400	28,300	8,340	8,120	3,430	5,630	4,630
22	6,740	9,390	e20,700	e3,020	e2,920	e4,650	31,700	7,310	7,690	3,700	5,640	4,450
23	5,760	13,700	e20,300	e2,870	e2,920	e6,670	36,800	7,120	6,910	3,600	5,240	4,480
24	5,230	19,200	e18,900	e2,830	e2,890	e11,700	42,500	6,860	6,740	5,400	4,770	5,020
25	4,860	18,900	e17,100	e3,360	e2,740	e13,500	46,100	6,760	6,270	7,400	4,040	4,770
26	e5,060	16,300	e15,500	e3,470	e2,930	e13,900	44,700	6,830	5,960	7,600	4,470	5,090
27	e5,210	14,600	e13,700	e3,450	e2,800	e17,200	42,300	6,950	5,880	6,360	4,520	4,930
28	e5,170	12,100	e11,800	e3,380	e2,770	e21,400	40,800	7,090	5,060	6,050	4,720	5,130
29	e5,520	9,560	e10,200	e3,310	---	e23,700	38,400	7,110	4,500	5,830	4,260	12,000
30	e5,360	8,880	e9,620	e3,260	---	e27,700	35,800	7,090	4,740	5,450	4,270	20,500
31	e5,180	---	e8,590	e3,220	---	e29,500	---	7,420	---	5,230	4,250	---
TOTAL	167,030	258,160	307,290	133,680	92,710	232,840	824,100	502,550	290,980	144,070	203,720	163,760
MEAN	5,388	8,605	9,913	4,312	3,311	7,511	27,470	16,210	9,699	4,647	6,572	5,459
MAX	6,740	19,200	20,700	7,720	4,160	29,500	46,100	33,800	14,300	7,600	12,700	20,500
MIN	3,670	3,860	5,480	2,830	2,740	2,510	13,700	6,760	4,500	3,410	4,040	3,650

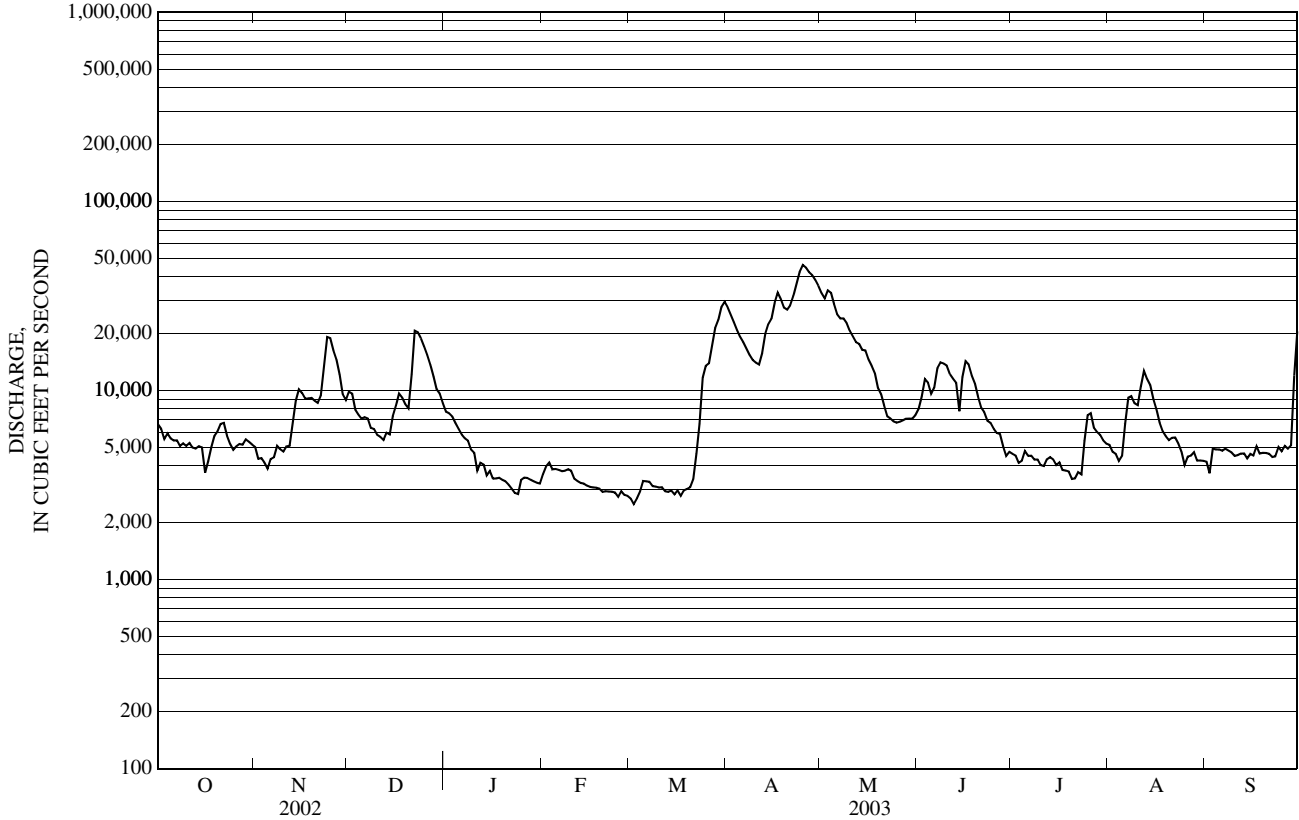
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	8,377	11,630	10,520	7,934	7,420	11,070	29,560	23,620	11,640	7,703	6,417	6,571
MAX	28,330	32,430	34,680	19,620	21,960	46,110	51,060	46,430	38,660	24,490	17,460	27,130
(WY)	(1982)	(1964)	(1974)	(1978)	(1970)	(1936)	(2000)	(1974)	(1917)	(1996)	(1976)	(1954)
MIN	2,255	2,629	3,411	2,890	1,799	2,449	14,490	9,163	4,079	4,028	3,229	3,187
(WY)	(1904)	(1906)	(1909)	(1904)	(1904)	(1911)	(1926)	(1999)	(1988)	(1991)	(2001)	(1995)

e Estimated

01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	3,185,290		3,320,890			
ANNUAL MEAN	8,727		9,098		11,870	
HIGHEST ANNUAL MEAN					17,760	1973
LOWEST ANNUAL MEAN					6,382	1911
HIGHEST DAILY MEAN	45,600	Apr 16	46,100	Apr 25	152,000	May 1, 1923
LOWEST DAILY MEAN	2,380	Feb 10	2,510	Mar 2	1,630	Oct 29, 1905
ANNUAL SEVEN-DAY MINIMUM	2,620	Feb 4	2,730	Feb 25	1,700	Feb 11, 1904
MAXIMUM PEAK FLOW			47,900	Apr 25	153,000	May 1, 1923
MAXIMUM PEAK STAGE			13.81	Mar 31	25.15	May 1, 1923
10 PERCENT EXCEEDS	17,300		20,600		25,400	
50 PERCENT EXCEEDS	5,450		5,590		7,730	
90 PERCENT EXCEEDS	3,860		3,220		4,520	



01036390 PENOBSCOT RIVER AT EDDINGTON, ME

LOCATION.--Lat 44°49'33", long 68°41'48", Penobscot County, Hydrologic Unit 01020005, on left bank 0.4 mi downstream from Veazie Dam at Eddington, on Monument Drive, and 750 ft north of intersection with State Route 178.

DRAINAGE AREA.--7,764 mi², including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

GAGE HEIGHT: October 1998 to current year.

DISCHARGE: April 1979 to September 1996.

CHEMICAL ANALYSES: Water years 1979 to August 1994.

SPECIFIC CONDUCTANCE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

pH: April 1979 to October 1984, seasonal records November 1984 to September 1994.

WATER TEMPERATURE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

DISSOLVED OXYGEN: April 1979 to October 1984, seasonal records November 1984 to September 1994.

GAGE.--Water-stage recorder. Datum of gage is 7.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by regulation of many reservoirs above station, combined capacity about 54.336 billion ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height, 15.38 ft, Apr. 11, 2000; minimum gage height, 0.46 ft, Aug. 29, 2002.

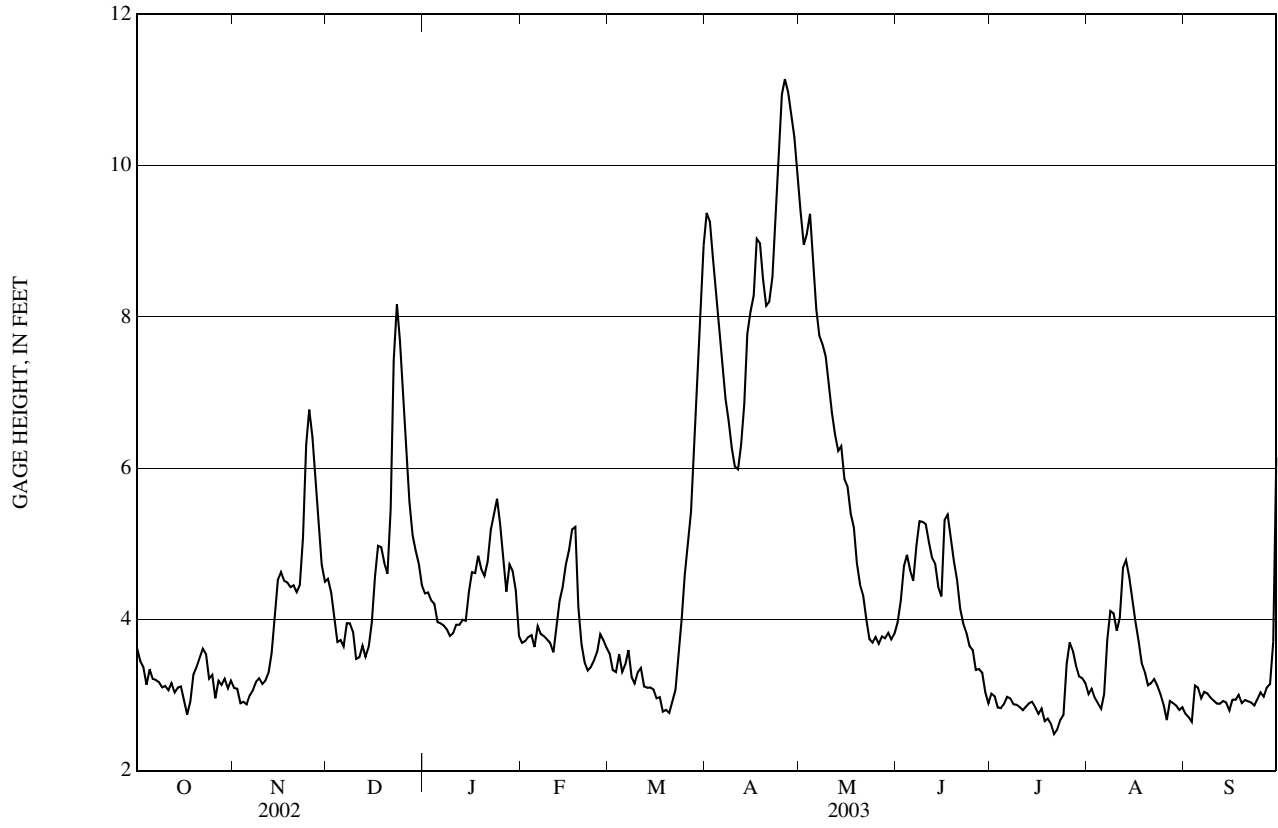
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 23.53 ft, Apr. 3, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.36 ft, Apr. 26; minimum gage height, 2.19 ft, July 1.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.62	3.09	4.54	4.34	3.69	3.55	9.38	9.39	3.95	3.02	3.01	2.75
2	3.45	3.08	4.36	4.36	3.71	3.33	9.26	8.95	4.24	2.98	3.08	2.71
3	3.37	2.89	4.02	4.25	3.77	3.30	8.78	9.10	4.70	2.84	2.96	2.65
4	3.14	2.91	3.70	4.21	3.79	3.54	8.37	9.36	4.85	2.83	2.89	3.13
5	3.34	2.88	3.73	3.96	3.64	3.30	7.93	8.82	4.65	2.88	2.82	3.10
6	3.21	2.99	3.65	3.95	3.91	3.41	7.37	8.10	4.51	2.98	3.01	2.96
7	3.20	3.06	3.95	3.92	3.80	3.59	6.91	7.75	4.98	2.95	3.74	3.04
8	3.17	3.17	3.95	3.87	3.78	3.24	6.63	7.64	5.30	2.88	4.11	3.02
9	3.10	3.22	3.83	3.78	3.74	3.15	6.26	7.47	5.29	2.87	4.08	2.97
10	3.12	3.15	3.48	3.82	3.69	3.30	6.02	7.09	5.26	2.84	3.85	2.92
11	3.06	3.19	3.50	3.93	3.56	3.36	5.98	6.73	5.02	2.80	4.02	2.89
12	3.16	3.30	3.65	3.93	3.92	3.11	6.31	6.45	4.81	2.84	4.68	2.88
13	3.04	3.55	3.50	3.99	4.25	3.10	6.85	6.23	4.74	2.89	4.78	2.92
14	3.10	4.08	3.64	3.98	4.43	3.10	7.78	6.29	4.42	2.91	4.56	2.90
15	3.11	4.52	3.96	4.36	4.73	3.07	8.07	5.86	4.30	2.84	4.27	2.80
16	2.92	4.62	4.57	4.62	4.92	2.96	8.28	5.76	5.31	2.75	3.96	2.94
17	2.74	4.51	4.97	4.61	5.19	2.97	9.03	5.40	5.38	2.82	3.71	2.94
18	2.92	4.49	4.95	4.84	5.22	2.78	8.97	5.21	5.08	2.65	3.42	3.00
19	3.27	4.43	4.74	4.66	4.16	2.80	8.50	4.74	4.77	2.69	3.30	2.90
20	3.37	4.45	4.60	4.58	3.67	2.76	8.15	4.46	4.52	2.62	3.13	2.93
21	3.49	4.36	5.46	4.76	3.43	2.92	8.20	4.32	4.13	2.48	3.16	2.92
22	3.61	4.45	7.43	5.19	3.32	3.07	8.53	4.00	3.94	2.54	3.21	2.90
23	3.54	5.08	8.17	5.39	3.37	3.55	9.23	3.74	3.82	2.67	3.12	2.86
24	3.21	6.31	7.68	5.59	3.46	4.01	10.12	3.69	3.65	2.74	3.01	2.95
25	3.26	6.77	6.93	5.26	3.57	4.59	10.94	3.77	3.60	3.41	2.87	3.03
26	2.96	6.41	6.17	4.76	3.80	5.00	11.14	3.68	3.33	3.69	2.67	2.98
27	3.19	5.90	5.56	4.37	3.72	5.42	10.97	3.77	3.34	3.58	2.92	3.10
28	3.13	5.29	5.11	4.73	3.63	6.19	10.68	3.75	3.30	3.39	2.89	3.14
29	3.21	4.72	4.91	4.64	---	7.07	10.38	3.82	3.04	3.25	2.86	3.70
30	3.09	4.50	4.73	4.38	---	8.00	9.93	3.74	2.89	3.22	2.80	6.13
31	3.19	---	4.45	3.78	---	8.94	---	3.81	---	3.16	2.84	---
MEAN	3.20	4.18	4.77	4.41	3.92	3.95	8.50	5.90	4.37	2.94	3.41	3.07
MAX	3.62	6.77	8.17	5.59	5.22	8.94	11.14	9.39	5.38	3.69	4.78	6.13
MIN	2.74	2.88	3.48	3.78	3.32	2.76	5.98	3.68	2.89	2.48	2.67	2.65

01036390 PENOBSCOT RIVER AT EDDINGTON, ME—Continued



DUCKTRAP RIVER BASIN

01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME

LOCATION.--Lat 44°19'45", long 69°03'42", Waldo County, Hydrologic Unit 01050002, on left bank on downstream side of State Route 52 highway bridge at Lincolnville, and 1.3 mi upstream of Black Brook.

DRAINAGE AREA.--14.4 mi²

PERIOD OF RECORD.--

DISCHARGE: June 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 135 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for flows between 10.0 ft³/s and 6 ft³/s, which are fair, and flows below 6 ft³/s, periods of ice effect, Nov. 29 to Dec. 20, Dec. 25 to Mar. 30, and periods of no gage-height record, Dec. 20-29, Feb. 10-25, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 650 ft³/s, Jan. 15, 1999, gage height, 5.47 ft; maximum gage height, 5.82 ft, Jan. 15, 1999 (backwater from ice); no flow Aug. 17 to Sept. 24, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 21	Unknown	*415	*4.70 ^a	No peaks greater than base discharge.			

Minimum discharge, 0.02 ft³/s, Sept. 4, gage height, 1.12 ft.

^a From crest-stage gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	3.6	e34	e24	e8.4	e10	149	32	37	4.3	0.21	0.02
2	0.08	3.5	e30	e23	e14	e14	108	33	54	3.5	6.2	0.02
3	0.08	3.2	e25	e22	e18	e41	87	33	37	3.0	3.7	0.02
4	0.07	3.5	e21	e22	e12	e30	72	27	30	2.6	2.6	2.3
5	0.27	4.2	e18	e22	e20	e26	61	25	34	3.9	2.1	1.9
6	0.36	29	e17	e20	e16	e43	56	25	36	5.2	1.8	1.0
7	0.34	45	e15	e19	e14	e32	51	32	29	3.5	1.5	0.70
8	0.26	22	e15	e18	e13	e26	47	27	25	3.0	1.3	0.44
9	0.13	19	e14	e17	e12	e25	43	25	23	2.8	1.3	0.27
10	0.10	17	e12	e16	e11	e23	40	23	20	2.3	1.1	0.21
11	0.09	18	e12	e15	e10	e20	39	20	16	2.2	0.97	0.16
12	0.10	18	e12	e15	e9.6	e18	47	33	15	2.3	1.1	0.11
13	0.11	53	e12	e14	e9.2	e17	41	30	13	2.0	1.1	0.07
14	0.93	52	e99	e14	e8.8	e16	35	27	27	1.7	0.91	0.06
15	1.1	40	e124	e15	e8.5	e14	33	25	27	1.7	0.58	0.05
16	1.9	34	e77	e17	e8.3	e15	31	23	24	1.4	0.42	0.11
17	25	53	e61	e17	e8.0	e17	29	20	20	1.5	0.40	0.12
18	9.5	93	e50	e16	e7.8	e24	26	18	16	1.2	0.33	0.12
19	4.6	69	e42	e15	e7.6	e22	25	16	15	1.1	0.23	0.09
20	3.2	63	e39	e13	e7.5	e20	23	15	13	0.84	0.18	0.22
21	2.1	59	e307	e12	e7.3	e45	21	15	11	0.66	0.13	0.31
22	1.5	109	e169	e11	e7.2	e67	21	15	10	0.68	0.10	0.18
23	1.2	128	e106	e10	e10	e96	27	14	9.7	0.73	0.08	0.22
24	1.6	101	e72	e10	e18	e96	30	19	8.9	0.76	0.05	0.29
25	0.73	82	e56	e9.6	e14	e88	32	28	7.7	0.64	0.04	0.20
26	2.7	68	e47	e9.4	e12	e84	26	23	6.9	0.44	0.05	0.39
27	12	58	e40	e9.7	e11	e96	66	48	5.9	0.38	0.05	0.60
28	6.6	45	e35	e9.5	e10	e92	53	34	4.8	0.53	0.04	3.1
29	5.5	e41	e31	e8.9	---	e85	45	29	4.2	0.39	0.03	5.4
30	5.2	e37	e28	e8.6	---	e189	38	27	4.2	0.26	0.03	3.3
31	4.3	---	e26	e8.3	---	227	---	26	---	0.21	0.02	---
TOTAL	91.77	1,371.0	1,646	461.0	313.2	1,618	1,402	787	584.3	55.72	28.65	21.98
MEAN	2.96	45.7	53.1	14.9	11.2	52.2	46.7	25.4	19.5	1.80	0.92	0.73
MAX	25	128	307	24	20	227	149	48	54	5.2	6.2	5.4
MIN	0.07	3.2	12	8.3	7.2	10	21	14	4.2	0.21	0.02	0.02
CFSM	0.21	3.17	3.69	1.03	0.78	3.62	3.25	1.76	1.35	0.12	0.06	0.05
IN.	0.24	3.54	4.25	1.19	0.81	4.18	3.62	2.03	1.51	0.14	0.07	0.06

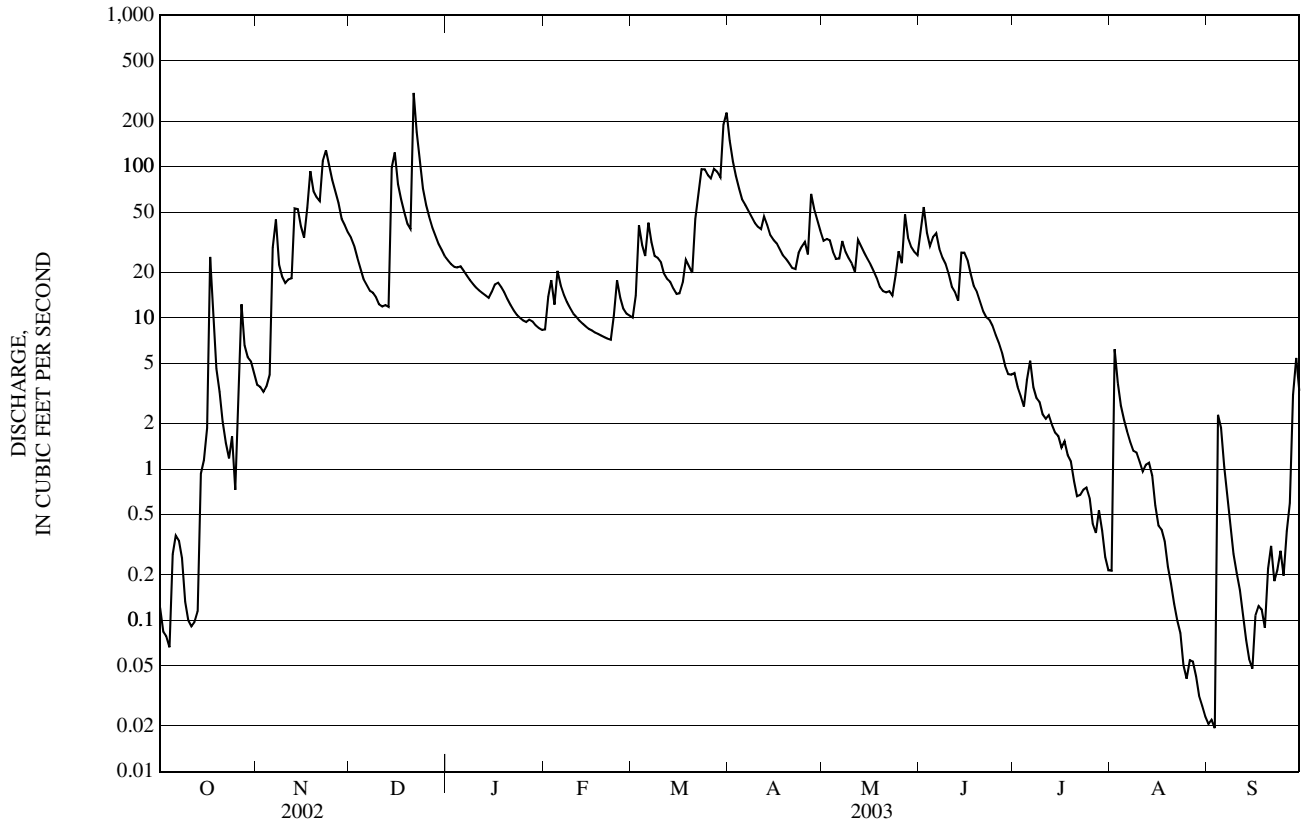
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	7.77	23.0	28.1	33.7	26.9	68.3	64.6	27.1	13.1	3.70	0.45	0.92
MAX	28.4	45.7	53.1	117	57.8	103	109	42.5	19.5	11.9	0.97	4.01
(WY)	(2000)	(2003)	(2003)	(1999)	(1999)	(1999)	(2001)	(2002)	(2003)	(1998)	(1998)	(1999)
MIN	0.065	0.37	3.21	7.84	10.3	33.2	28.4	11.4	8.32	0.91	0.012	0.067
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(1999)	(2001)	(2001)	(2001)	(2001)	(2001)

e Estimated

01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	10,044.28		8,380.62		24.6	
ANNUAL MEAN	27.5		23.0		18.4	
HIGHEST ANNUAL MEAN					31.9	1999
LOWEST ANNUAL MEAN					18.4	2001
HIGHEST DAILY MEAN	307	Dec 21	307	Dec 21	354	Jan 16, 1999
LOWEST DAILY MEAN	0.01	Aug 13	0.02	Aug 31	0.00	Aug 17, 2001
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 13	0.03	Aug 28	0.00	Aug 17, 2001
MAXIMUM PEAK FLOW			415	Dec 21	650	Jan 15, 1999
MAXIMUM PEAK STAGE			4.70	Dec 21	5.82	Jan 15, 1999
INSTANTANEOUS LOW FLOW			0.02	Sep 4	0.00	Aug 17, 2001
ANNUAL RUNOFF (CFSM)	1.91		1.59		1.71	
ANNUAL RUNOFF (INCHES)	25.95		21.65		23.25	
10 PERCENT EXCEEDS	73		55		67	
50 PERCENT EXCEEDS	13		14		10	
90 PERCENT EXCEEDS	0.02		0.21		0.09	



01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

LOCATION.--Lat 44°13'23", long 69°35'38", Lincoln County, Hydrologic Unit 01050003, on left bank 50 ft upstream from State Route 126 highway bridge at North Whitefield, at mouth of Finn Brook, and 0.3 mi east of North Whitefield village.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1938 to current year.

CHEMICAL ANALYSES: Water years 1954-56.

SPECIFIC CONDUCTANCE: July 1974 to September 1976.

WATER TEMPERATURE: October 1957 to September 1971, July 1974 to September 1976.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 101.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 28 to Dec. 3, Dec. 9-10, and Jan. 1 to Mar. 21, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,350 ft³/s, Apr. 1, 1987, gage height, 13.71 ft; minimum discharge, 5.0 ft³/s, Oct. 24, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 31	0030	*1,880	*6.37	No other peak greater than base discharge.			

Minimum discharge, 13 ft³/s, Sept. 3, gage height, 1.65 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	29	e243	e299	e84	e125	1,590	263	246	47	19	14
2	26	27	e218	e275	e86	e130	1,390	246	286	44	38	14
3	27	26	e204	e259	e97	e177	1,160	263	255	40	40	13
4	28	24	185	e249	e104	e218	985	235	231	37	34	21
5	25	24	168	e237	e122	e191	836	212	221	36	30	27
6	25	34	156	e225	e147	e205	733	201	233	47	31	26
7	24	78	142	e215	e136	e211	660	231	211	42	30	23
8	20	67	131	e206	e128	e177	583	225	190	35	28	20
9	18	53	e119	e198	e122	e153	519	211	175	32	27	19
10	18	47	e108	e188	e116	e135	470	203	161	30	26	17
11	17	45	102	e181	e112	e122	432	189	144	29	26	16
12	17	49	99	e173	e109	e111	428	231	132	30	30	16
13	17	126	97	e167	e105	e103	416	249	126	30	38	15
14	20	161	139	e162	e102	e96	384	240	165	29	41	15
15	22	118	435	e154	e99	e90	365	230	198	27	34	15
16	23	103	412	e150	e96	e87	356	220	200	25	31	18
17	52	106	349	e143	e93	e95	337	205	178	26	28	22
18	45	150	322	e137	e91	e124	313	190	161	25	27	23
19	38	159	299	e131	e90	e159	298	174	159	25	25	22
20	33	140	334	e126	e88	e159	285	158	151	24	23	44
21	34	137	882	e121	e89	e308	271	145	143	24	22	50
22	29	286	755	e116	e91	570	261	139	146	22	21	36
23	30	407	702	e112	e115	673	270	126	137	22	20	31
24	28	344	657	e108	e157	809	287	127	128	22	18	42
25	26	315	589	e105	e169	873	299	151	119	23	17	43
26	28	315	526	e101	e179	972	282	149	110	23	17	36
27	36	311	485	e98	e149	1,170	332	259	97	22	16	42
28	38	e281	444	e94	e133	1,260	329	224	65	21	16	50
29	34	e259	397	e92	---	1,310	300	203	57	21	15	108
30	31	e249	356	e89	---	1,590	279	234	52	20	15	82
31	30	---	322	e86	---	1,810	---	279	---	19	14	---
TOTAL	866	4,470	10,377	4,997	3,209	14,213	15,450	6,412	4,877	899	797	920
MEAN	27.9	149	335	161	115	458	515	207	163	29.0	25.7	30.7
MAX	52	407	882	299	179	1,810	1,590	279	286	47	41	108
MIN	17	24	97	86	84	87	261	126	52	19	14	13
CFSM	0.19	1.03	2.31	1.11	0.79	3.16	3.55	1.43	1.12	0.20	0.18	0.21
IN.	0.22	1.15	2.66	1.28	0.82	3.65	3.96	1.65	1.25	0.23	0.20	0.24

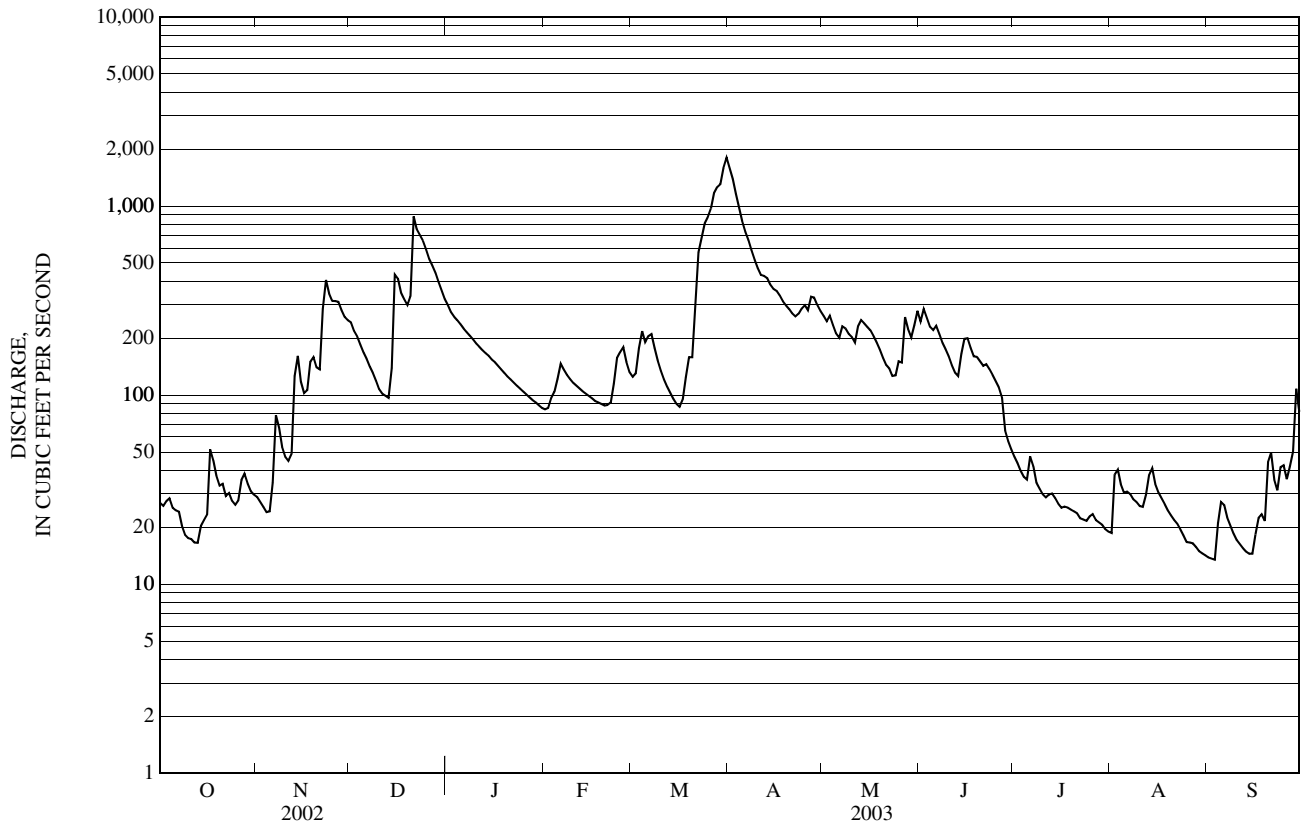
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	85.9	239	319	231	232	449	736	340	166	74.0	46.3	50.7
MAX	658	664	1,393	677	922	1,103	1,333	776	774	466	245	708
(WY)	(1978)	(1991)	(1974)	(1999)	(1970)	(1979)	(1940)	(1989)	(1984)	(1973)	(1976)	(1954)
MIN	6.75	18.3	31.7	28.5	35.8	87.9	255	101	45.1	18.1	13.0	8.64
(WY)	(1942)	(2002)	(1979)	(1948)	(1948)	(1967)	(1985)	(1999)	(1985)	(1965)	(2001)	(1957)

e Estimated

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	76,718		67,487			
ANNUAL MEAN	210		185		247	
HIGHEST ANNUAL MEAN					427	1984
LOWEST ANNUAL MEAN					115	1985
HIGHEST DAILY MEAN	1,340	Mar 4	1,810	Mar 31	6,690	Apr 1, 1987
LOWEST DAILY MEAN	12	Aug 22	13	Sep 3	5.1	Oct 24, 1941
ANNUAL SEVEN-DAY MINIMUM	12	Sep 8	14	Aug 28	5.5	Oct 18, 1941
MAXIMUM PEAK FLOW			1,880	Mar 31	7,350	Apr 1, 1987
MAXIMUM PEAK STAGE			6.37	Mar 31	13.71	Apr 1, 1987
INSTANTANEOUS LOW FLOW			13	Sep 3	5.0	Oct 24, 1941
ANNUAL RUNOFF (CFSM)	1.45		1.28		1.70	
ANNUAL RUNOFF (INCHES)	19.68		17.31		23.13	
10 PERCENT EXCEEDS	590		373		622	
50 PERCENT EXCEEDS	108		119		127	
90 PERCENT EXCEEDS	15		22		23	



01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45°20'45", long 69°57'48", Somerset County, 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 mi².

PERIOD OF RECORD.--

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

CHEMICAL ANALYSES: Water years 1952-53.

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, except for periods of ice effect, Jan. 22-26 and Feb. 14-20, which are fair. Flow regulated by Moosehead Lake, Brassua Lake, and Indian Pond, combined capacity about 32.98 billion ft³. Considerable diurnal fluctuation caused by powerplant above station. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,900 ft³/s, Apr. 18, 1983, gage height, 14.41 ft; minimum daily discharge, 161 ft³/s, Aug. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft³/s, Nov. 4, gage height, 6.86 ft; minimum daily discharge, 301 ft³/s, Dec. 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,200	1,460	1,040	528	1,290	2,040	1,940	1,680	1,490	2,220	1,300	1,350
2	2,190	1,290	1,380	1,110	1,210	2,010	1,980	2,400	3,530	2,410	1,370	1,450
3	2,180	1,750	1,390	955	1,640	2,500	1,400	2,010	2,990	2,720	1,380	1,670
4	2,130	2,630	1,390	958	1,420	2,900	1,390	2,320	3,160	2,200	1,630	1,880
5	2,360	2,030	1,390	944	1,400	2,770	983	2,120	2,900	2,180	1,480	1,680
6	2,070	2,200	1,270	1,130	1,410	2,780	966	2,070	4,190	2,100	1,680	1,860
7	2,510	1,630	779	946	1,610	2,810	1,470	2,010	4,100	2,530	1,280	1,940
8	2,460	1,860	736	852	1,180	1,730	903	1,710	3,600	2,260	1,380	2,190
9	2,660	1,780	1,520	740	1,190	1,690	936	1,630	2,950	2,130	1,070	2,170
10	2,050	1,600	751	750	1,740	2,210	1,000	1,300	3,140	1,720	1,310	2,170
11	1,740	1,730	854	524	1,200	2,460	1,010	1,130	2,740	1,700	1,710	1,920
12	1,870	741	720	555	1,000	2,440	1,110	1,190	2,480	1,110	1,530	1,670
13	1,500	1,630	721	1,000	1,590	2,440	1,320	1,390	3,570	1,610	1,170	1,330
14	2,500	1,260	301	944	e1,610	1,260	1,290	1,900	2,290	2,160	1,220	1,430
15	2,030	1,220	726	958	e1,380	1,260	2,070	1,560	3,210	2,100	1,330	2,170
16	1,670	1,150	731	815	e1,520	901	3,130	1,250	4,360	1,560	1,910	1,760
17	1,330	1,150	736	1,010	e1,620	1,410	2,790	1,210	5,000	1,690	1,740	1,860
18	2,300	1,140	871	942	e1,610	1,300	2,290	1,540	3,500	1,680	2,270	1,550
19	2,470	1,310	881	931	e1,570	1,270	1,880	1,560	4,430	1,550	2,210	2,070
20	1,980	1,400	1,060	1,290	e1,570	1,110	1,480	1,960	3,360	1,570	1,890	1,850
21	1,990	1,370	1,080	972	1,840	1,120	2,310	2,330	3,620	2,090	1,890	2,120
22	1,720	1,370	918	e1,140	1,680	779	2,370	2,440	3,390	2,300	1,890	2,140
23	1,670	1,090	791	e1,140	1,680	829	3,070	1,310	3,150	1,930	1,270	1,630
24	1,610	651	789	e1,140	1,850	1,290	3,030	1,030	2,610	1,340	1,250	1,810
25	1,910	1,120	792	e1,240	1,820	953	3,250	1,040	2,750	1,830	1,870	1,860
26	1,500	1,010	1,160	e1,240	1,860	847	2,900	1,030	2,700	1,640	2,190	1,870
27	1,500	1,140	1,160	1,880	1,900	901	2,940	1,360	3,300	1,630	1,560	1,780
28	1,560	1,300	994	1,470	2,300	974	2,370	1,820	2,160	1,920	1,360	1,510
29	1,740	1,090	948	1,400	---	1,170	2,180	2,280	2,200	1,520	1,360	2,220
30	1,730	1,040	975	1,120	---	1,490	2,360	3,090	2,870	1,620	1,260	1,650
31	1,510	---	762	1,160	---	1,450	---	1,910	---	1,700	1,250	---
TOTAL	60,640	42,142	29,616	31,784	43,690	51,094	58,118	53,580	95,740	58,720	48,010	54,560
MEAN	1,956	1,405	955	1,025	1,560	1,648	1,937	1,728	3,191	1,894	1,549	1,819
MAX	2,660	2,630	1,520	1,880	2,300	2,900	3,250	3,090	5,000	2,720	2,270	2,220
MIN	1,330	651	301	524	1,000	779	903	1,030	1,490	1,110	1,070	1,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2003, BY WATER YEAR (WY)

MEAN	1,983	1,795	2,041	2,312	2,556	2,355	2,947	4,657	3,313	2,664	2,396	2,261
MAX	6,298	5,317	8,142	5,569	5,454	7,981	9,488	13,520	10,380	6,403	4,740	5,511
(WY)	(1955)	(1908)	(1974)	(1970)	(1996)	(1996)	(1983)	(1974)	(1917)	(1996)	(1917)	(1954)
MIN	864	487	655	669	522	466	860	699	664	775	1,083	1,053
(WY)	(1906)	(1912)	(1909)	(1904)	(1904)	(1906)	(1980)	(1980)	(1988)	(1988)	(1987)	(1987)

e Estimated

01042500 KENNEBEC RIVER AT THE FORKS, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1904 - 2003	
ANNUAL TOTAL	636,822		627,694			
ANNUAL MEAN	1,745		1,720		2,607	
HIGHEST ANNUAL MEAN					4,701 1996	
LOWEST ANNUAL MEAN					1,516 1950	
HIGHEST DAILY MEAN	5,470	May 16	5,000	Jun 17	28,200	Jun 1, 1984
LOWEST DAILY MEAN	268	Feb 15	301	Dec 14	161	Aug 30, 1987
ANNUAL SEVEN-DAY MINIMUM	509	Mar 8	684	Dec 11	314	Jan 6, 1909
MAXIMUM PEAK FLOW			10,100	Nov 4	32,900	Apr 18, 1983
MAXIMUM PEAK STAGE			6.86	Nov 4	14.41	Apr 18, 1983
10 PERCENT EXCEEDS	3,260		2,710		4,350	
50 PERCENT EXCEEDS	1,390		1,610		2,230	
90 PERCENT EXCEEDS	747		944		880	



01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME

LOCATION.--Lat 45°18'07", long 70°13'27", Somerset County, Hydrologic Unit 01030002, on left bank, in Township T3R5 BKP WKR, 0.2 mi above mouth and 0.5 mi north of Grand Falls.

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--

DISCHARGE: August 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, including periods of backwater from the Dead River, Oct. 5, May 3, 10, 24-25, 31, June 7, 14, 28, July 5, 12-13, Aug. 2-3, 9-10, 31, and Sept. 13, except for periods of ice effect, Oct. 31 to Nov. 10, Nov. 17-21, and Nov. 25 to Apr. 12, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,500 ft³/s, May 11, 2000, gage height, 7.24 ft; maximum gage height, 9.14 ft, Dec. 20, 2000 (backwater from ice); minimum discharge, 8.7 ft³/s, Sept. 10-11, 2002, gage height, 0.97 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 16	1515	*3,010	*5.63	No peaks greater than base discharge.			

Minimum discharge, 27 ft³/s, Oct. 11-13, gage height, 1.23 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	e77	e136	e91	e71	e52	e848	794	371	177	67	68
2	56	e72	e122	e90	e70	e52	e581	1,030	424	141	e64	62
3	49	e69	e116	e90	e71	e53	e455	e1,560	395	125	e64	57
4	44	e67	e112	e90	e70	e52	e374	1,130	312	116	112	57
5	e40	e66	e109	e91	e69	e51	e280	860	285	e116	123	59
6	39	e64	e106	e89	e67	e50	e278	770	687	124	228	57
7	36	e70	e104	e89	e66	e49	e291	805	e647	112	621	52
8	33	e74	e101	e89	e65	e49	e280	766	488	112	412	49
9	31	e64	e99	e88	e64	e50	e258	654	405	141	e268	45
10	29	e84	e97	e88	e64	e49	e259	e578	395	117	e503	42
11	27	249	e96	e88	e63	e48	e287	508	353	106	1,350	40
12	28	449	e96	e87	e62	e47	e368	617	338	e114	875	38
13	27	379	e95	e87	e62	e46	647	747	309	e107	482	e35
14	32	349	e94	e86	e61	e45	665	724	e443	99	331	34
15	44	256	e106	e85	e60	e44	905	628	756	90	247	33
16	40	205	e105	e84	e60	e43	2,550	533	649	79	205	45
17	90	e172	e102	e83	e59	e43	1,920	464	473	75	183	122
18	155	e170	e99	e83	e58	e45	1,130	416	370	72	163	83
19	108	e158	e98	e82	e58	e48	802	382	313	66	143	62
20	206	e144	e96	e81	e57	e61	849	351	282	60	125	59
21	181	e139	e111	e80	e57	e85	1,180	327	247	56	114	79
22	123	156	e131	e79	e56	e176	1,340	316	222	71	105	73
23	98	475	e121	e78	e55	e367	1,250	288	208	109	96	66
24	83	420	e111	e77	e55	e323	1,160	e271	194	150	86	193
25	75	e298	e106	e76	e54	e295	929	e279	177	339	75	146
26	76	e224	e101	e76	e54	e323	749	297	160	193	72	112
27	118	e176	e98	e75	e53	e400	725	374	149	135	74	102
28	139	e141	e96	e74	e53	e433	853	378	e142	115	85	87
29	120	e127	e95	e73	---	e561	1,070	360	125	101	77	88
30	102	e154	e93	e72	---	e1,450	1,010	418	149	84	78	85
31	e84	---	e92	e71	---	e1,310	---	e425	---	74	e76	---
TOTAL	2,380	5,548	3,244	2,572	1,714	6,700	24,293	18,050	10,468	3,576	7,504	2,130
MEAN	76.8	185	105	83.0	61.2	216	810	582	349	115	242	71.0
MAX	206	475	136	91	71	1,450	2,550	1,560	756	339	1,350	193
MIN	27	64	92	71	53	43	258	271	125	56	64	33
CFSM	0.40	0.95	0.54	0.43	0.32	1.11	4.17	3.00	1.80	0.59	1.25	0.37
IN.	0.46	1.06	0.62	0.49	0.33	1.28	4.66	3.46	2.01	0.69	1.44	0.41

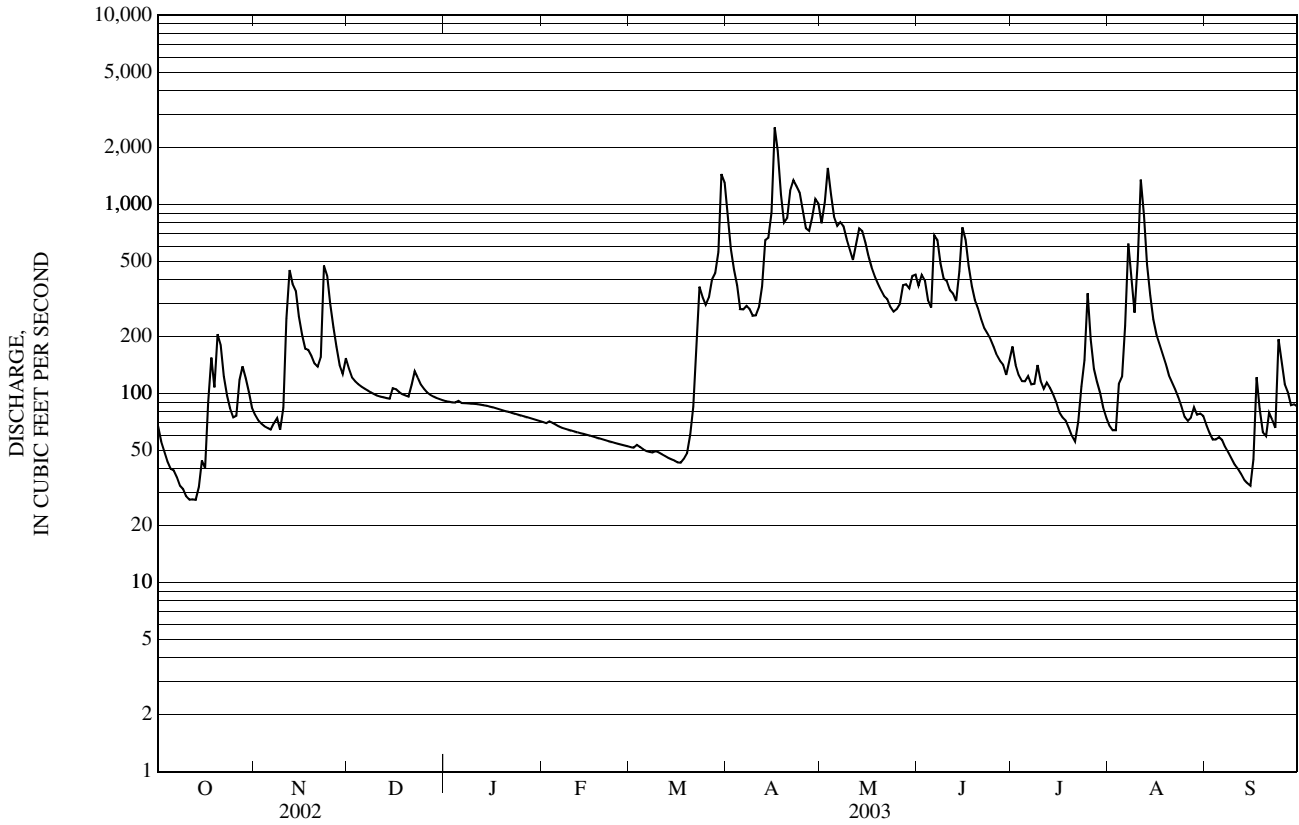
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MEAN	196	226	196	117	105	241	1,094	807	329	156	90.1	167
MAX	547	400	290	164	163	514	1,468	1,191	377	229	242	612
(WY)	(2000)	(2000)	(2000)	(2000)	(2001)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(1999)
MIN	49.4	65.1	105	60.1	60.1	115	810	564	254	115	33.5	34.8
(WY)	(2002)	(2002)	(2003)	(2002)	(2002)	(2001)	(2003)	(2002)	(2000)	(2003)	(2001)	(2002)

e Estimated

01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	91,370.5		88,179		302	
ANNUAL MEAN	250		242		240	
HIGHEST ANNUAL MEAN					437	2000
LOWEST ANNUAL MEAN					240	2002
HIGHEST DAILY MEAN	4,410	Apr 18	2,550	Apr 16	4,850	May 11, 2000
LOWEST DAILY MEAN	9.0	Sep 10	27	Oct 11	9.0	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	10	Sep 5	30	Oct 8	10	Sep 5, 2002
MAXIMUM PEAK FLOW			3,010	Apr 16	5,500	May 11, 2000
MAXIMUM PEAK STAGE			5.63	Apr 16	9.14	Dec 20, 2000
INSTANTANEOUS LOW FLOW			27	Oct 11	8.7	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.29		1.25		1.55	
ANNUAL RUNOFF (INCHES)	17.52		16.91		21.13	
10 PERCENT EXCEEDS	594		648		702	
50 PERCENT EXCEEDS	100		105		139	
90 PERCENT EXCEEDS	28		50		45	



01046500 KENNEBEC RIVER AT BINGHAM, ME

LOCATION.--Lat 45°03'06", long 69°53'12", Somerset County, 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.

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.

CHEMICAL ANALYSES: Water years 1966 to 1978.

SPECIFIC CONDUCTANCE: October 1975 to September 1978.

WATER TEMPERATURE: October 1975 to September 1978.

REVISED RECORDS.--WSP 1271: 1951(M). WSP 1301: 1936(M). WDR ME-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, Feb. 15-16, 26-28, Mar. 7, 10, 14-16, and 19, 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 gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

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, 15,400 ft³/s, Apr. 16, gage height, 10.34 ft; minimum daily discharge, 1,480 ft³/s, Jan. 6 and 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,550	2,200	1,930	1,640	2,010	3,510	5,130	5,220	3,690	2,870	2,160	2,230
2	2,390	2,320	2,100	1,650	2,150	3,310	4,370	4,880	3,870	2,890	2,240	2,140
3	2,370	2,220	2,100	1,650	2,170	3,180	3,400	7,040	4,170	2,880	2,140	2,240
4	2,390	2,500	2,240	1,540	2,340	3,450	3,000	7,080	3,590	3,000	2,340	2,360
5	2,470	2,320	2,250	1,660	2,070	3,220	2,260	4,260	3,720	2,870	2,320	2,380
6	2,450	2,230	2,160	1,480	2,120	3,470	1,980	4,220	5,140	2,990	2,230	2,590
7	2,250	2,290	2,290	1,540	2,210	e3,510	2,220	3,610	7,740	2,880	2,310	2,540
8	2,430	2,240	2,240	1,650	2,150	3,200	1,840	3,860	6,300	3,110	2,240	2,600
9	2,400	2,200	2,150	1,750	2,160	3,200	1,790	4,080	3,980	2,310	2,240	2,370
10	2,340	2,050	2,250	1,680	2,320	e3,510	1,800	3,690	3,630	2,220	2,730	2,530
11	2,610	2,270	2,160	1,490	2,010	3,220	1,650	3,740	3,970	2,300	3,610	2,390
12	2,390	2,530	1,730	1,480	2,090	3,270	1,850	3,590	3,790	2,230	3,530	2,410
13	2,450	3,030	1,680	1,720	2,370	3,270	3,190	3,170	3,850	2,240	2,490	2,410
14	2,430	2,650	1,520	1,760	2,190	e2,550	4,700	2,690	4,110	2,340	2,170	2,420
15	2,380	2,210	1,560	1,740	e2,140	e2,370	5,050	2,920	4,850	2,220	2,440	2,420
16	2,360	2,080	1,610	1,560	e1,950	e2,220	8,900	3,110	6,550	2,200	3,290	2,410
17	2,350	2,070	1,800	1,800	2,600	2,260	8,620	3,250	6,380	2,010	3,200	2,430
18	2,430	2,070	1,580	1,720	2,060	2,340	6,360	3,050	5,580	2,240	3,060	2,540
19	2,490	2,100	1,530	1,570	2,060	e2,480	4,110	2,660	4,180	2,320	3,350	2,550
20	2,550	2,090	1,590	1,990	2,180	2,400	3,860	3,010	4,070	2,320	3,260	2,350
21	2,470	2,070	1,740	1,710	2,460	2,380	3,730	2,880	3,820	2,320	3,260	2,370
22	2,500	2,130	1,640	1,830	2,250	1,890	4,700	2,760	3,880	2,180	3,260	2,420
23	2,530	2,100	1,590	1,770	2,240	2,410	6,450	2,690	3,980	2,340	3,340	2,450
24	2,340	2,440	1,520	1,980	2,710	2,510	6,530	2,460	3,220	2,360	3,260	2,670
25	2,500	2,200	1,490	2,200	2,370	2,180	6,200	3,280	3,200	2,140	3,180	2,180
26	2,240	1,990	1,530	2,090	e2,330	2,240	6,440	2,700	3,190	2,320	3,270	2,550
27	2,090	2,190	1,850	2,070	e2,880	2,420	4,800	2,750	3,200	2,270	2,350	2,370
28	2,410	2,080	1,730	2,320	e3,180	2,880	3,760	2,850	3,310	2,180	2,020	2,400
29	2,370	2,140	1,690	2,160	---	3,570	4,860	3,000	3,290	2,310	2,030	3,690
30	2,350	1,940	1,670	2,180	---	5,800	4,210	3,480	3,250	2,220	2,020	2,700
31	2,250	---	1,650	2,180	---	6,450	---	4,890	---	2,250	2,030	---
TOTAL	74,530	66,950	56,570	55,560	63,770	94,670	127,760	112,870	127,500	75,330	83,370	74,110
MEAN	2,404	2,232	1,825	1,792	2,278	3,054	4,259	3,641	4,250	2,430	2,689	2,470
MAX	2,610	3,030	2,290	2,320	3,180	6,450	8,900	7,080	7,740	3,110	6,410	3,690
MIN	2,090	1,940	1,490	1,480	1,950	1,890	1,650	2,460	3,190	2,010	2,020	2,140

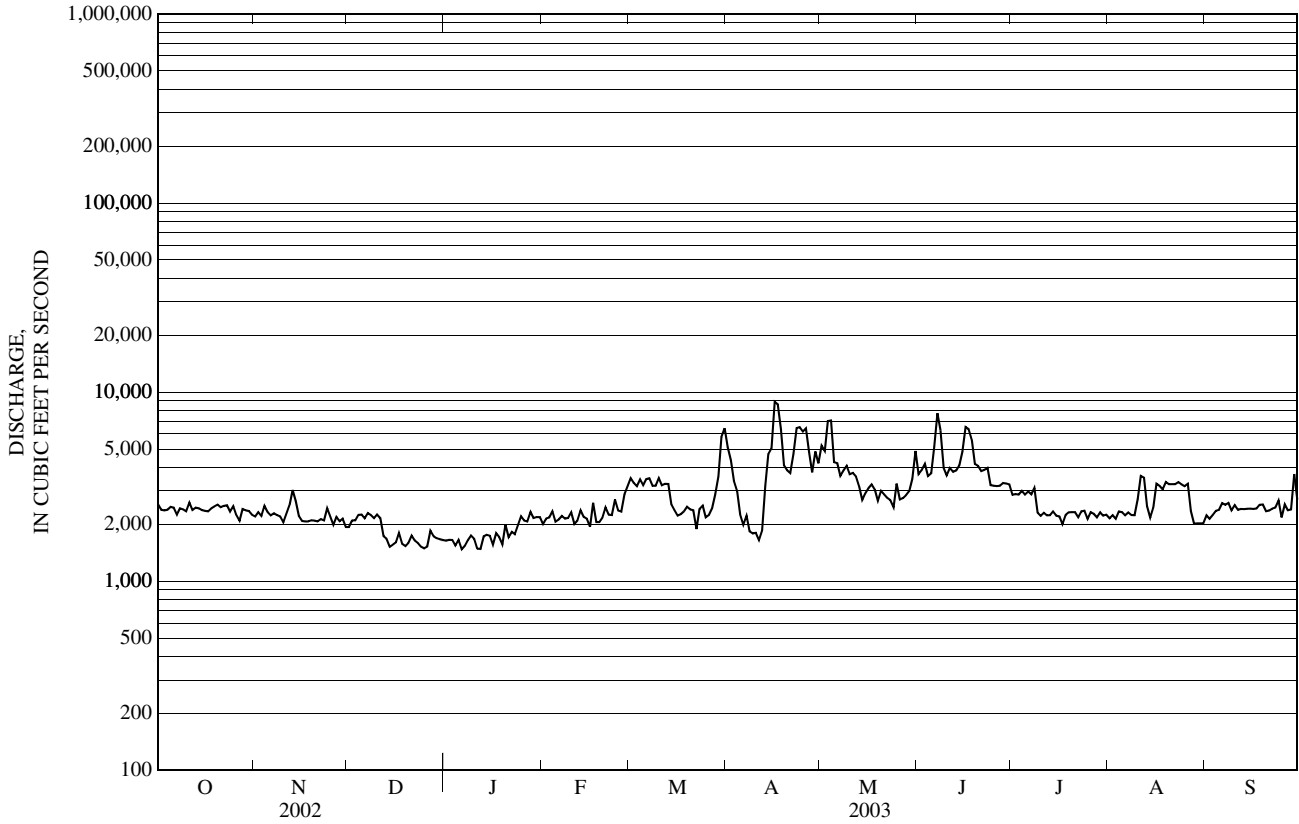
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2003, BY WATER YEAR (WY)

MEAN	3,403	3,542	3,497	3,594	3,848	4,267	7,250	8,842	4,877	3,659	3,255	3,278
MAX	9,319	9,740	12,510	7,684	8,898	15,070	16,080	22,160	13,600	11,540	6,428	10,140
(WY)	(1955)	(1908)	(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)

e Estimated

01046500 KENNEBEC RIVER AT BINGHAM, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1908 - 2003	
ANNUAL TOTAL	1,059,370		1,012,990			
ANNUAL MEAN	2,902		2,775		4,444	
HIGHEST ANNUAL MEAN					7,881	1996
LOWEST ANNUAL MEAN					2,613	1980
HIGHEST DAILY MEAN	14,800	Apr 18	8,900	Apr 16	62,000	Jun 1, 1984
LOWEST DAILY MEAN	1,300	Jan 9	1,480	Jan 6	110	Dec 25, 1947
ANNUAL SEVEN-DAY MINIMUM	1,370	Jan 8	1,580	Jan 6	587	Nov 18, 1908
MAXIMUM PEAK FLOW			15,400	Apr 16	65,200	Jun 1, 1984
MAXIMUM PEAK STAGE			10.34	Apr 16	15.61	Jun 1, 1984
10 PERCENT EXCEEDS	4,670		4,070		7,630	
50 PERCENT EXCEEDS	2,340		2,370		3,450	
90 PERCENT EXCEEDS	1,420		1,750		2,160	



01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'09", long 69°57'20", Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.

DRAINAGE AREA.--353 mi².

PERIOD OF RECORD.--

DISCHARGE: November and December 1901, June 1902 to April 1907, August 1925 to current year. Monthly discharge only for some periods prior to 1925, published in WSP 1301.

CHEMICAL ANALYSES: Water years 1953-54, 1961.

REVISED RECORDS.--WSP 1231: 1904-07, 1928(M), 1932(M), 1936(M), 1938(M), 1944(M), 1950(M). WDR ME-81-1: Drainage area. WDR ME-97-1: 1992(M).

GAGE.--Water-stage recorder. Datum of gage is 302.88 ft above National Geodetic Vertical Datum of 1929. Nov. 1, 1901 to May 5, 1907, nonrecording gage 1 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 3-10, 18-22, and Nov. 28 to Apr. 12, which are fair. Some minor regulation at low flows by mills above station. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,700 ft³/s, Apr. 1, 1987, gage height, 26.66 ft, from rating extended above 27,000 ft³/s on basis of slope-area measurements; maximum gage height, 27.78 ft, Feb. 21, 1978 (backwater from ice); minimum discharge, 18 ft³/s, Oct. 29, 1929, gage height, 2.02 ft, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 30	1030	Ice Jam	*13.84	Apr 16	0245	*3,740	7.29

Minimum discharge, 48 ft³/s, Oct. 10-11 and 13, gage height, 2.49 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	118	e179	e146	e97	e107	e1,380	903	575	173	127	60
2	64	114	e163	e145	e121	e115	e1,110	1,450	634	148	137	57
3	56	e97	e148	e143	e145	e131	e934	2,950	578	110	152	54
4	51	e86	e136	e142	e139	e128	e782	1,880	441	104	136	84
5	53	e101	e128	e145	e152	e122	e674	1,120	392	104	108	154
6	56	e129	e121	e146	e135	e122	e588	884	1,610	117	263	158
7	62	e147	e116	e144	e126	e117	e519	1,020	1,300	118	448	135
8	56	e137	e111	e141	e121	e115	e476	955	885	159	323	121
9	51	e137	e108	e138	e117	e112	e446	805	590	233	255	97
10	49	e149	e105	e134	e113	e110	e430	730	563	171	414	61
11	48	259	e104	e131	e110	e107	e579	623	505	128	764	57
12	49	461	e105	e128	e108	e105	e833	760	430	259	504	54
13	49	518	e109	e125	e106	e102	1,790	1,120	364	221	357	53
14	59	570	e135	e122	e103	e101	1,760	1,330	1,200	203	265	54
15	72	401	e304	e119	e101	e99	1,930	971	1,890	174	209	51
16	74	322	e352	e117	e100	e98	3,620	777	1,250	156	173	59
17	355	264	e269	e115	e98	e96	2,620	644	750	135	157	211
18	379	e232	e220	e114	e96	e100	1,640	552	568	100	147	147
19	204	e214	e196	e113	e95	e113	1,070	485	468	90	138	100
20	220	e205	e202	e111	e95	e207	942	435	398	82	131	114
21	206	e197	e397	e110	e94	e327	1,280	394	333	77	114	202
22	148	e263	e596	e108	e99	e620	1,470	377	283	77	75	156
23	121	1,060	e441	e108	e130	e1,150	1,520	340	263	99	68	126
24	104	1,000	e342	e106	e131	e1,500	1,550	333	247	227	62	516
25	94	675	e278	e105	e119	e1,510	1,140	462	231	289	59	329
26	96	448	e237	e104	e113	e1,580	920	584	273	257	59	211
27	257	319	e207	e103	e110	e2,230	1,310	778	213	193	63	165
28	271	e259	e189	e101	e108	e2,540	1,510	749	219	173	60	167
29	187	e226	e172	e100	---	e2,420	1,320	619	203	156	56	441
30	148	e198	e159	e99	---	e2,610	1,160	610	178	141	58	430
31	128	---	e151	e98	---	e1,860	---	702	---	132	62	---
TOTAL	3,843	9,306	6,480	3,761	3,182	20,654	37,303	26,342	17,834	4,806	5,944	4,624
MEAN	124	310	209	121	114	666	1,243	850	594	155	192	154
MAX	379	1,060	596	146	152	2,610	3,620	2,950	1,890	289	764	516
MIN	48	86	104	98	94	96	430	333	178	77	56	51
CFSM	0.35	0.88	0.59	0.34	0.32	1.89	3.52	2.41	1.68	0.44	0.54	0.44
IN.	0.40	0.98	0.68	0.40	0.34	2.18	3.93	2.78	1.88	0.51	0.63	0.49

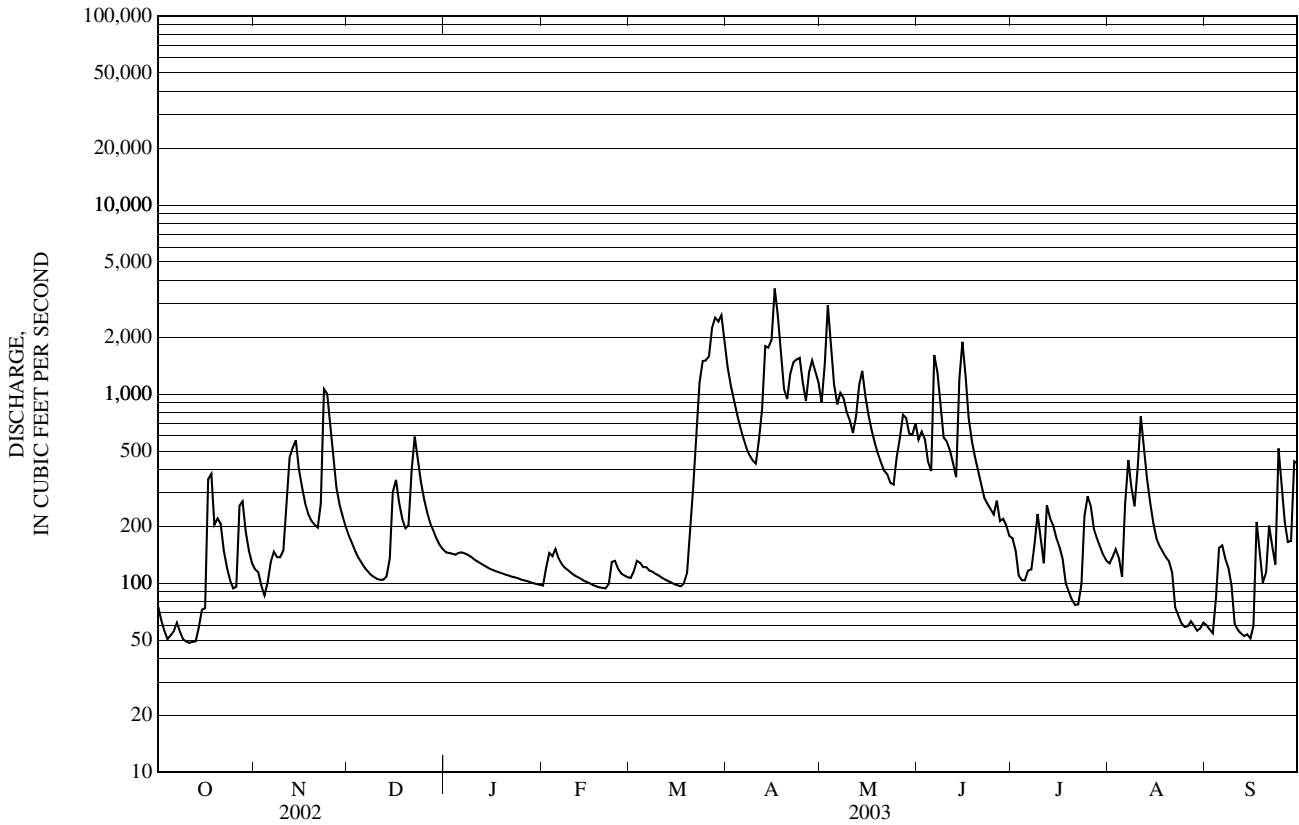
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	487	756	594	372	326	840	2,326	1,546	617	327	217	238
MAX	2,606	2,492	3,565	1,633	1,922	4,750	4,009	3,694	2,916	2,201	1,124	1,768
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1993)	(1972)	(1998)	(1996)	(1976)	(1954)
MIN	63.1	87.4	58.9	78.1	60.1	120	802	456	159	88.5	44.5	44.0
(WY)	(1948)	(2002)	(1979)	(1948)	(1948)	(1956)	(1981)	(1941)	(1964)	(1971)	(2002)	(1948)

e Estimated

01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	162,114		144,079			
ANNUAL MEAN	444		395		721	
HIGHEST ANNUAL MEAN					1,288	1996
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	4,700	Apr 15	3,620	Apr 16	36,000	Apr 1, 1987
LOWEST DAILY MEAN	29	Sep 10	48	Oct 11	27	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	31	Sep 7	52	Oct 8	31	Sep 7, 2002
MAXIMUM PEAK FLOW			3,740	Apr 16	50,700	Apr 1, 1987
MAXIMUM PEAK STAGE			13.84	Mar 30	27.78	Feb 21, 1978
INSTANTANEOUS LOW FLOW			48	Oct 10	18	Oct 29, 1929
ANNUAL RUNOFF (CFMS)	1.26		1.12		2.04	
ANNUAL RUNOFF (INCHES)	17.08		15.18		27.75	
10 PERCENT EXCEEDS	1,060		1,110		1,750	
50 PERCENT EXCEEDS	197		158		312	
90 PERCENT EXCEEDS	44		77		96	



KENNEBEC RIVER BASIN
01048000 SANDY RIVER NEAR MERCER, ME

LOCATION.--Lat 44°42'26", long 69°56'21", Somerset County, Hydrologic Unit 01030003, on right bank 0.9 mi upstream from Bog Stream, 2.1 mi north of Mercer, and 8.6 mi upstream from mouth.

DRAINAGE AREA.--516 mi².

PERIOD OF RECORD.--

DISCHARGE: November 1928 to September 1979, June 1987 to current year.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WSP 756: 1933. WSP 1231: 1936(M). WDR ME-94-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.1 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 17-21 and Nov. 27 to Apr. 11, which are fair. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft³/s, Mar. 19, 1936, gage height, 16.75 ft, from rating curve extended above 15,000 ft³/s on basis of records at nearby stations and slope-area measurement at gage-height 19.25 ft; maximum gage height, 18.89 ft, Feb. 12, 1979, from floodmark (backwater from ice); minimum discharge, 30 ft³/s, Sep. 14-15, 2002, gage height, 2.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1, 1987 reached a stage of 19.25 ft, from floodmarks, discharge, 51,100 ft³/s, from rating curve extended as explained above.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 27	1600	Ice Jam	*8.17	Mar 30	Unknown	*7,050 ^a	7.79 ^a

Minimum discharge, 50 ft³/s, Oct. 13, gage height, 2.47 ft.

^a Estimated

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	142	e215	e198	e108	e136	e2,460	1,160	779	198	129	82
2	94	127	e195	e191	e133	e139	e2,010	1,360	770	192	165	83
3	80	115	e178	e185	e166	e147	e1,700	3,450	706	180	243	79
4	70	101	e166	e182	e158	e141	e1,590	2,170	562	171	262	108
5	68	104	e156	e182	e170	e134	e1,220	1,540	523	160	229	234
6	64	118	e148	e186	e154	e134	e1,050	1,260	1,290	155	294	243
7	60	145	e141	e184	e143	e131	e957	1,400	1,330	151	795	174
8	63	150	e135	e180	e135	e127	e906	1,310	898	151	645	139
9	61	137	e130	e175	e130	e123	e829	1,070	739	223	471	118
10	57	141	e127	e171	e126	e119	e791	938	731	254	482	104
11	56	163	e125	e166	e122	e115	e981	843	699	197	1,520	94
12	54	393	e125	e160	e119	e112	1,410	929	554	257	928	86
13	53	596	e129	e155	e116	e110	2,410	1,470	473	363	832	80
14	69	766	e146	e151	e114	e110	2,280	1,500	1,220	259	670	77
15	68	536	e316	e147	e111	e108	2,050	1,380	2,660	201	504	75
16	77	392	e464	e144	e110	e106	3,630	1,070	1,470	169	404	81
17	139	e329	e390	e140	e108	e108	2,790	882	954	149	333	116
18	308	e301	e317	e137	e107	e120	1,800	770	709	147	274	263
19	271	e282	e258	e134	e107	e173	1,400	709	577	155	227	184
20	200	e269	e251	e130	e108	e325	1,260	627	491	146	200	172
21	198	e261	e439	e127	e112	e437	1,390	558	408	131	174	335
22	192	362	e613	e124	e124	e843	1,460	516	351	120	154	353
23	155	988	e564	e122	e151	e1,610	1,570	480	317	131	138	255
24	134	1,240	e452	e119	e169	e2,090	1,640	456	298	265	126	710
25	119	782	e372	e117	e174	e2,220	1,460	559	276	370	115	799
26	114	577	e321	e114	e165	e2,060	1,180	755	245	448	106	472
27	138	e454	e286	e113	e150	e2,670	1,940	1,070	224	316	99	363
28	285	e335	e258	e111	e141	e3,360	2,360	1,160	281	239	95	325
29	248	e286	e238	e110	---	e3,120	1,730	917	301	198	90	625
30	189	e240	e220	e109	---	e5,040	1,450	822	233	170	85	713
31	161	---	e208	e109	---	e4,070	---	871	---	145	80	---
TOTAL	3,964	10,832	8,083	4,573	3,731	30,238	49,704	34,002	21,069	6,411	10,869	7,542
MEAN	128	361	261	148	133	975	1,657	1,097	702	207	351	251
MAX	308	1,240	613	198	174	5,040	3,630	3,450	2,660	448	1,520	799
MIN	53	101	125	109	107	106	791	456	224	120	80	75
CFSM	0.25	0.70	0.51	0.29	0.26	1.89	3.21	2.13	1.36	0.40	0.68	0.49
IN.	0.29	0.78	0.58	0.33	0.27	2.18	3.58	2.45	1.52	0.46	0.78	0.54

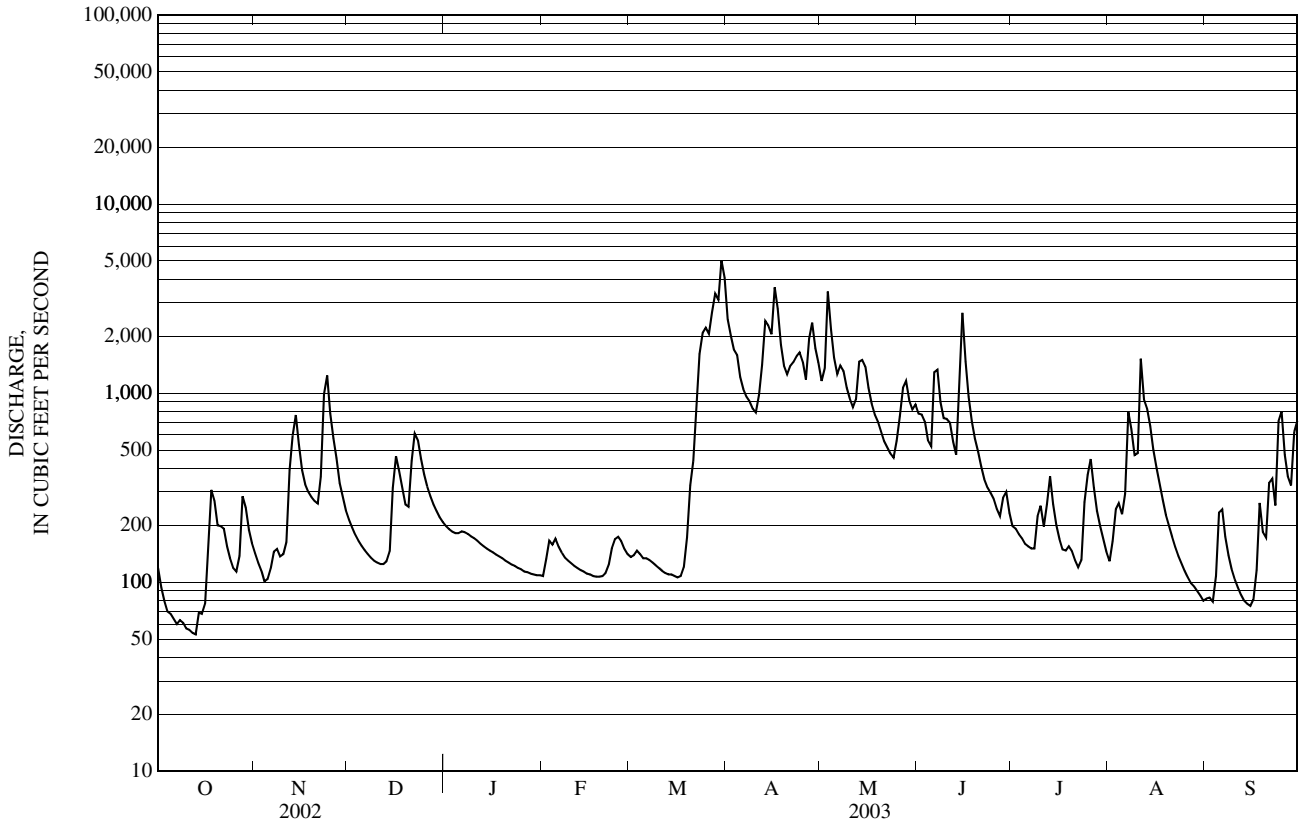
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

	542	947	821	545	497	1,248	3,384	1,897	787	396	243	274
MEAN	542	947	821	545	497	1,248	3,384	1,897	787	396	243	274
MAX	3,057	2,947	4,315	2,285	3,322	6,479	5,399	4,105	3,824	2,300	1,439	2,664
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(1951)	(1972)	(1998)	(1996)	(1976)	(1954)
MIN	61.1	107	85.8	100	87.7	242	1,334	480	202	95.9	60.4	52.7
(WY)	(1948)	(1979)	(1979)	(1948)	(1948)	(1956)	(1995)	(1941)	(1941)	(1993)	(2002)	(1995)

e Estimated

01048000 SANDY RIVER NEAR MERCER, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	247,489		191,018		966	
ANNUAL MEAN	678		523		436	
HIGHEST ANNUAL MEAN					1,583	1974
LOWEST ANNUAL MEAN					436	1941
HIGHEST DAILY MEAN	7,280	Apr 15	5,040	Mar 30	31,400	Mar 27, 1953
LOWEST DAILY MEAN	30	Sep 14	53	Oct 13	30	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	32	Sep 9	58	Oct 7	32	Sep 9, 2002
MAXIMUM PEAK FLOW			7,050	Mar 30	38,600	Mar 19, 1936
MAXIMUM PEAK STAGE			8.17	Mar 27	18.89	Feb 12, 1979
INSTANTANEOUS LOW FLOW			50	Oct 13	30	Sep 14, 2002
ANNUAL RUNOFF (CFSM)	1.31		1.01		1.87	
ANNUAL RUNOFF (INCHES)	17.84		13.77		25.44	
10 PERCENT EXCEEDS	1,810		1,400		2,440	
50 PERCENT EXCEEDS	258		215		420	
90 PERCENT EXCEEDS	53		108		111	



01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

LOCATION.--Lat 44°43'00", long 69°24'56", Somerset County, Hydrologic Unit 01030003, on right bank 1.7 mi upstream from Twentyfive Mile Stream, and 5.0 mi south of Pittsfield.

DRAINAGE AREA.--572 mi².

PERIOD OF RECORD.--

DISCHARGE: November 1928 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 133.94 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Records good, except for periods of ice effect, Jan. 8-9, 15-16, 18, 22, Feb. 12-16, 23-28, Mar. 4, and 7-11, which are fair. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2.345 billion ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,600 ft³/s, Apr. 3, 1987, gage height, 15.53 ft; minimum daily discharge, 4.5 ft³/s, Nov. 10, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,810 ft³/s, Apr. 2, gage height, 8.30 ft; minimum daily discharge, 54 ft³/s, July 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	404	92	981	601	136	135	6,130	1,900	1,060	54	111	78
2	357	148	866	406	156	132	6,280	1,740	1,470	161	101	107
3	363	126	711	307	187	171	5,950	1,780	1,600	80	108	233
4	285	125	213	343	195	e148	5,050	1,870	1,280	57	154	349
5	281	95	161	362	224	147	4,240	1,900	870	66	163	335
6	310	85	189	473	223	146	3,640	1,820	994	100	134	341
7	291	237	258	536	221	e150	3,200	1,960	1,180	105	103	363
8	222	201	297	e270	220	e172	2,450	1,890	1,260	175	89	355
9	267	218	247	e270	174	e191	1,700	1,550	1,220	134	99	386
10	307	260	226	373	184	e195	1,180	1,350	1,090	94	82	371
11	283	277	239	343	221	e152	986	1,230	946	120	138	352
12	142	275	213	326	e161	95	1,110	1,520	835	116	121	372
13	165	454	218	315	e162	103	1,450	1,470	760	161	145	379
14	233	566	224	312	e156	162	1,650	1,100	766	107	217	365
15	262	525	626	e212	e152	137	1,670	918	899	108	266	352
16	263	613	1,030	e279	e159	98	1,720	868	1,000	117	274	475
17	152	477	923	315	166	131	1,790	836	1,050	124	271	658
18	179	621	841	e224	166	144	1,810	824	1,020	124	273	787
19	194	662	764	194	162	156	1,780	858	976	101	392	800
20	153	650	692	244	159	275	1,710	869	1,230	70	183	868
21	164	705	865	209	159	404	1,620	675	1,150	67	77	837
22	163	761	1,490	e210	141	539	1,490	499	780	80	127	761
23	165	1,040	1,620	178	e201	780	1,400	217	635	108	262	642
24	164	1,340	1,550	192	e201	1,370	1,270	406	507	141	104	688
25	163	1,450	1,390	179	e144	1,840	1,260	456	510	139	225	600
26	162	1,580	1,220	167	e139	2,390	1,290	475	299	90	116	628
27	161	1,590	1,050	175	e59	2,980	1,600	418	191	78	73	559
28	161	1,440	969	189	e95	3,540	1,950	542	170	74	66	594
29	161	1,260	870	178	---	4,430	1,810	400	121	95	62	895
30	152	1,110	783	161	---	5,410	1,760	287	126	138	65	966
31	138	---	668	151	---	5,990	---	689	---	140	69	---
TOTAL	6,867	18,983	22,394	8,694	4,723	32,713	70,946	33,317	25,995	3,324	4,670	15,496
MEAN	222	633	722	280	169	1,055	2,365	1,075	866	107	151	517
MAX	404	1,590	1,620	601	224	5,990	6,280	1,960	1,600	175	392	966
MIN	138	85	161	151	59	95	986	217	121	54	62	78

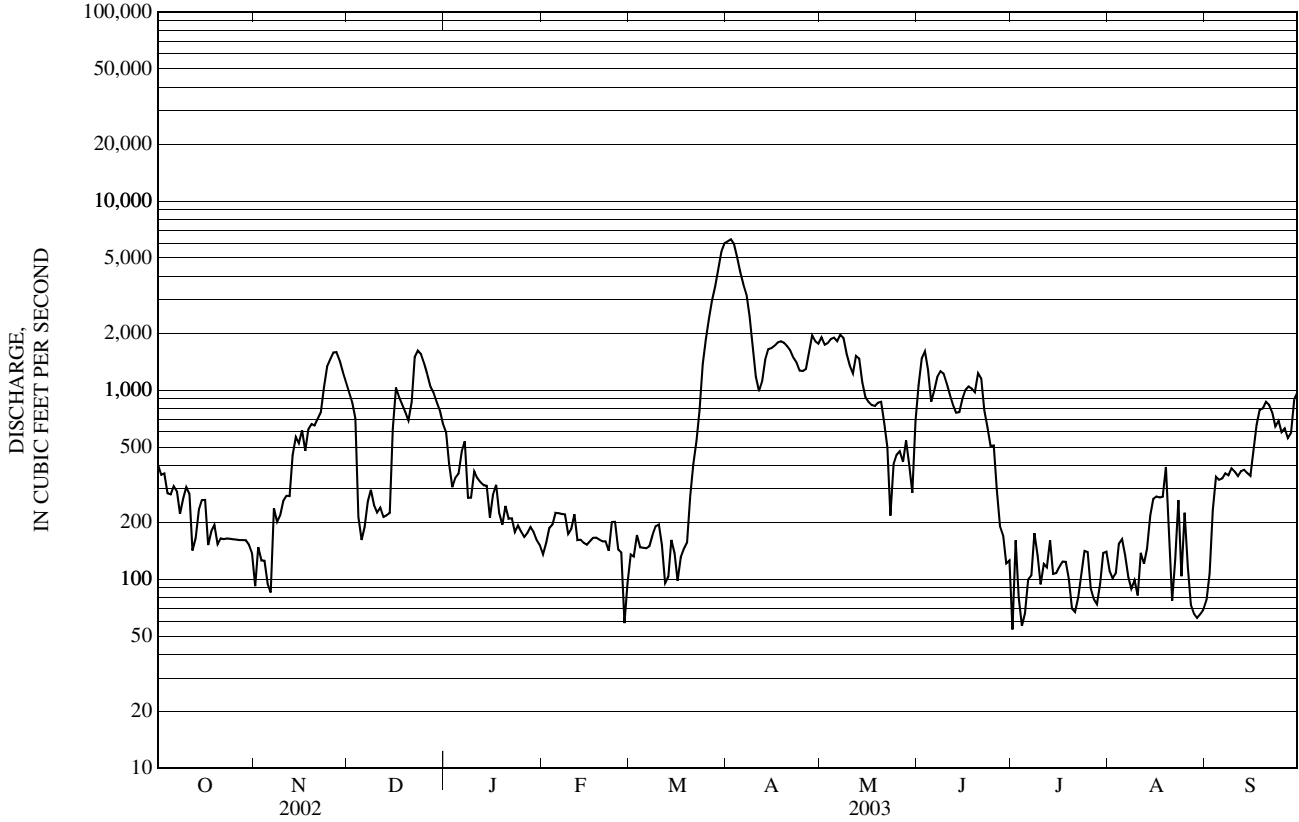
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	462	873	1,011	683	663	1,343	3,343	1,401	638	345	265	417
MAX	2,654	2,913	4,609	2,260	3,576	5,764	5,768	3,202	3,659	1,914	1,708	3,447
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(1934)	(1945)	(1984)	(1973)	(1976)	(1954)
MIN	76.6	25.0	46.3	92.3	82.2	303	882	242	160	74.1	53.5	62.1
(WY)	(1979)	(2002)	(2002)	(2002)	(1993)	(1967)	(1981)	(1999)	(1992)	(1983)	(1982)	(1982)

e Estimated

01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	269,958		248,122			
ANNUAL MEAN	740		680		950	
HIGHEST ANNUAL MEAN					1,645	1954
LOWEST ANNUAL MEAN					437	1985
HIGHEST DAILY MEAN	5,250	Apr 6	6,280	Apr 2	17,200	Apr 3, 1987
LOWEST DAILY MEAN	19	Aug 14	54	Jul 1	4.5	Nov 10, 1956
ANNUAL SEVEN-DAY MINIMUM	21	Aug 14	74	Aug 27	6.6	Nov 6, 1965
MAXIMUM PEAK FLOW			6,810	Apr 2	17,600	Apr 3, 1987
MAXIMUM PEAK STAGE			8.30	Apr 2	15.53	Apr 3, 1987
10 PERCENT EXCEEDS	1,930		1,610		2,430	
50 PERCENT EXCEEDS	357		287		477	
90 PERCENT EXCEEDS	63		106		110	



01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME

LOCATION.--Lat 44°28'21", long 69°41'09", Kennebec County, Hydrologic Unit 01030003, on right bank at North Sidney, 5.3 mi downstream from Sebasticook River.

DRAINAGE AREA.--5,403 mi².

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.

CHEMICAL ANALYSES: Water years 1979-93, 1995, 1999-2000.

SPECIFIC CONDUCTANCE: October 1978 to October 1984, seasonal records 1984 to 1994.

pH: October 1978 to October 1984, seasonal records 1984 to 1994.

WATER TEMPERATURE: October 1978 to October 1984, seasonal records 1984 to 1994.

DISSOLVED OXYGEN: October 1978 to October 1984, seasonal records 1984 to 1994.

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, Nov. 17-22, Nov. 26 to Mar. 26, and periods of no gage-height record, Dec. 28, Jan. 3, and Jan. 15-17, which are fair. 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 gage-height 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, 35,200 ft³/s, Mar. 30, gage height, 12.71 ft; minimum daily discharge, 2,420 ft³/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,260	3,170	e4,410	e3,000	e2,680	e3,500	24,800	11,000	9,360	4,480	3,150	2,570
2	3,430	2,890	e4,060	e2,840	e2,920	e3,710	21,600	11,300	8,120	4,240	3,420	2,780
3	3,170	2,840	e3,760	e2,650	e2,950	e3,890	19,100	18,700	8,220	4,220	3,520	2,530
4	2,990	2,890	e3,260	e2,900	e2,930	e3,740	16,700	19,600	7,660	4,210	3,620	3,650
5	3,050	3,650	e3,020	e2,800	e3,000	e3,920	14,000	13,800	6,760	4,050	3,510	3,370
6	2,930	3,280	e2,980	e2,760	e3,030	e3,770	11,700	11,300	10,900	4,540	3,370	3,760
7	3,060	3,370	e3,190	e2,880	e2,910	e3,850	10,800	11,800	13,300	4,170	4,190	3,520
8	3,130	3,440	e3,200	e2,810	e2,840	e3,760	9,800	11,500	12,900	4,610	4,270	3,640
9	2,800	3,290	e3,210	e2,750	e2,820	e3,840	8,540	10,100	9,190	4,350	3,700	3,340
10	2,900	3,180	e3,210	e2,590	e2,830	e3,860	6,530	8,880	8,020	3,760	3,850	3,230
11	3,670	3,350	e3,080	e2,600	e2,740	e3,900	7,020	8,300	7,380	3,500	6,150	3,300
12	3,650	3,850	e2,840	e2,570	e2,680	e3,850	7,970	9,270	7,660	3,670	7,590	3,250
13	2,850	5,760	e2,530	e2,520	e2,630	e3,690	10,900	10,700	7,130	3,950	4,990	3,120
14	3,610	6,590	e2,730	e2,470	e2,580	e3,080	14,300	10,000	7,920	3,650	4,970	3,200
15	3,180	5,800	e3,940	e2,450	e2,570	e2,800	14,100	9,680	13,800	3,630	3,890	3,200
16	3,450	4,760	e4,930	e2,430	e2,530	e2,920	18,200	7,650	14,000	3,420	4,120	3,320
17	3,700	e4,310	e4,760	e2,480	e2,600	e3,010	22,200	5,380	13,000	3,200	4,530	3,360
18	4,660	e4,190	e4,060	e2,430	e2,630	e2,920	16,200	6,630	9,800	3,360	4,540	4,020
19	4,020	e4,020	e3,580	e2,440	e2,590	e2,890	12,000	5,530	8,950	3,060	4,290	4,160
20	4,330	e3,980	e3,570	e2,430	e2,580	e3,290	10,700	6,190	7,610	3,310	4,240	4,380
21	3,890	e3,950	e4,940	e2,460	e2,760	e4,420	10,400	5,560	6,840	3,370	4,280	4,110
22	3,480	e4,680	e6,590	e2,440	e2,720	e5,770	10,900	5,190	6,850	2,970	3,950	4,290
23	3,520	9,480	e6,270	e2,510	e2,950	e8,670	13,100	4,740	6,180	3,360	4,090	3,910
24	3,290	10,200	e5,510	e2,490	e3,160	e11,500	14,600	4,640	5,700	3,600	3,720	4,500
25	2,900	8,220	e4,950	e2,450	e2,940	e12,400	14,000	5,030	5,200	4,090	3,960	5,240
26	3,070	e6,560	e4,530	e2,660	e2,980	e12,400	12,100	5,740	5,210	3,910	3,790	4,800
27	3,170	e6,000	e4,010	e2,640	e3,310	17,400	13,200	6,400	4,990	3,820	3,740	4,010
28	3,660	e5,240	e3,740	e2,630	e3,530	20,500	13,200	6,980	4,890	3,530	2,420	3,940
29	3,770	e4,640	e3,660	e2,750	---	22,600	12,700	7,150	4,700	3,290	2,460	6,890
30	3,360	e4,490	e3,340	e2,870	---	30,300	11,800	6,550	4,810	3,250	2,610	9,170
31	3,220	---	e3,140	e2,800	---	32,900	---	7,200	---	3,280	2,460	---
TOTAL	105,170	142,070	121,000	81,500	79,390	249,050	403,160	272,490	247,050	115,850	123,390	118,560
MEAN	3,393	4,736	3,903	2,629	2,835	8,034	13,440	8,790	8,235	3,737	3,980	3,952
MAX	4,660	10,200	6,590	3,000	3,530	32,900	24,800	19,600	14,000	4,610	7,590	9,170
MIN	2,800	2,840	2,530	2,430	2,530	2,800	6,530	4,640	4,700	2,970	2,420	2,530

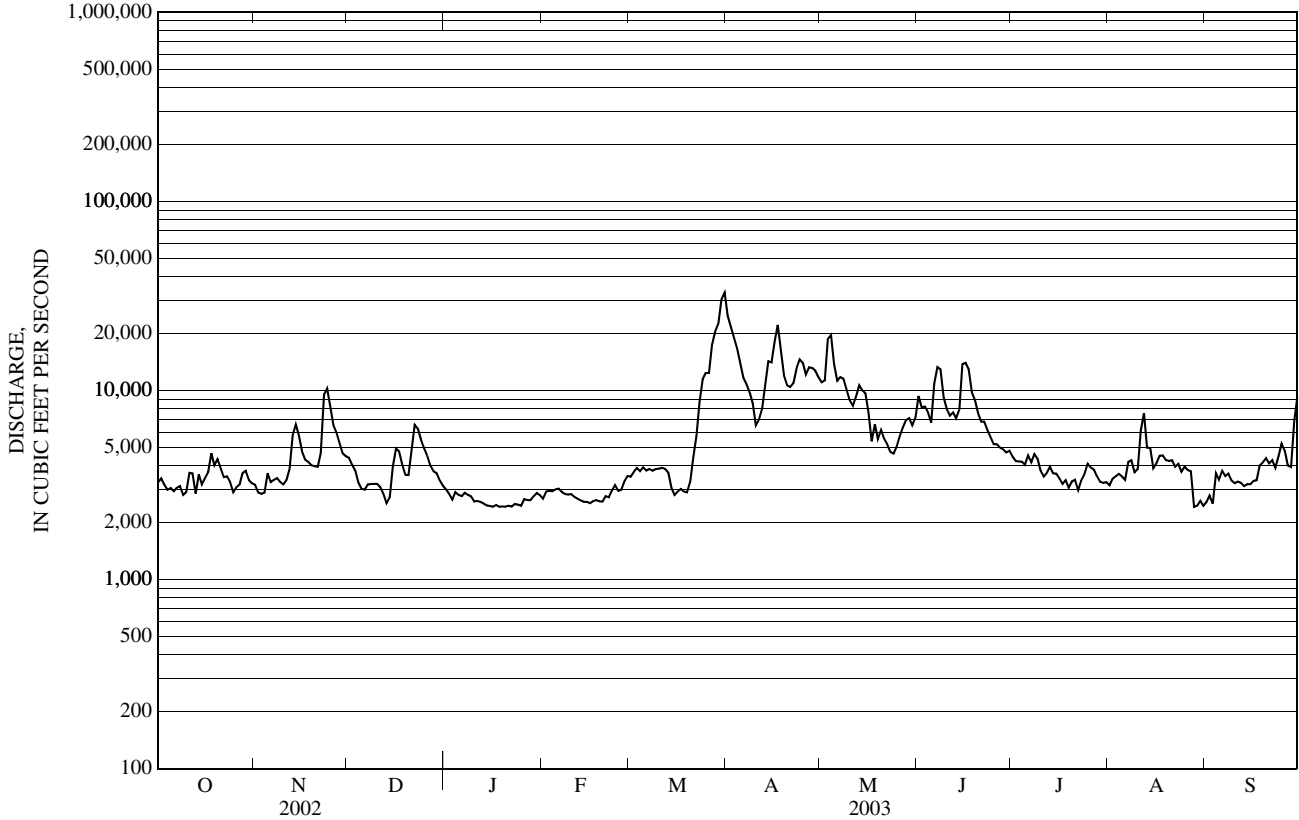
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

MEAN	6,279	7,986	7,360	5,778	6,043	10,770	22,280	13,800	8,853	5,032	4,589	4,965
MAX	15,020	17,620	17,660	12,230	10,200	22,470	36,430	25,530	29,420	10,550	7,196	7,636
(WY)	(1982)	(1991)	(1991)	(1986)	(1981)	(1979)	(1983)	(1989)	(1984)	(1984)	(1991)	(1981)
MIN	2,830	2,576	2,483	1,893	2,835	4,995	7,110	6,016	3,252	3,362	2,734	3,153
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(1989)	(1981)	(1985)	(1988)	(1980)	(2002)	(2000)

e Estimated

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	2,288,740		2,058,680			
ANNUAL MEAN	6,271		5,640		8,544	
HIGHEST ANNUAL MEAN					13,730	1984
LOWEST ANNUAL MEAN					5,617	1985
HIGHEST DAILY MEAN	37,100	Apr 16	32,900	Mar 31	186,000	Apr 2, 1987
LOWEST DAILY MEAN	1,510	Jan 10	2,420	Aug 28	1,160	Jul 7, 1988
ANNUAL SEVEN-DAY MINIMUM	1,640	Jan 5	2,440	Jan 16	1,640	Jan 5, 2002
MAXIMUM PEAK FLOW			35,200	Mar 30	232,000	Apr 2, 1987
MAXIMUM PEAK STAGE			12.71	Mar 30	39.31	Apr 2, 1987
10 PERCENT EXCEEDS	12,200		11,600		16,500	
50 PERCENT EXCEEDS	4,310		3,850		5,770	
90 PERCENT EXCEEDS	2,110		2,680		3,380	



01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME

LOCATION.--Lat 44°19'06", long 69°46'17", Kennebec County, Hydrologic Unit 01030003, on left bank, 600 ft upstream from Father Curran Bridge, and 600 ft downstream from Bond Brook.

DRAINAGE AREA.--5,513 mi².

PERIOD OF RECORD.--

GAGE HEIGHT: June 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.30 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by ocean tides. 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 gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.29 ft, June 15, 1998; minimum gage height, -2.88 ft, Aug. 21, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1987 reached a stage of 34.1 ft, from flood marker 200 ft downstream from gage. Flood of March 1936 reached a stage of 30.7 ft from flood marks 0.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.84 ft, Mar. 26; minimum gage height, -2.65 ft, Aug. 31.

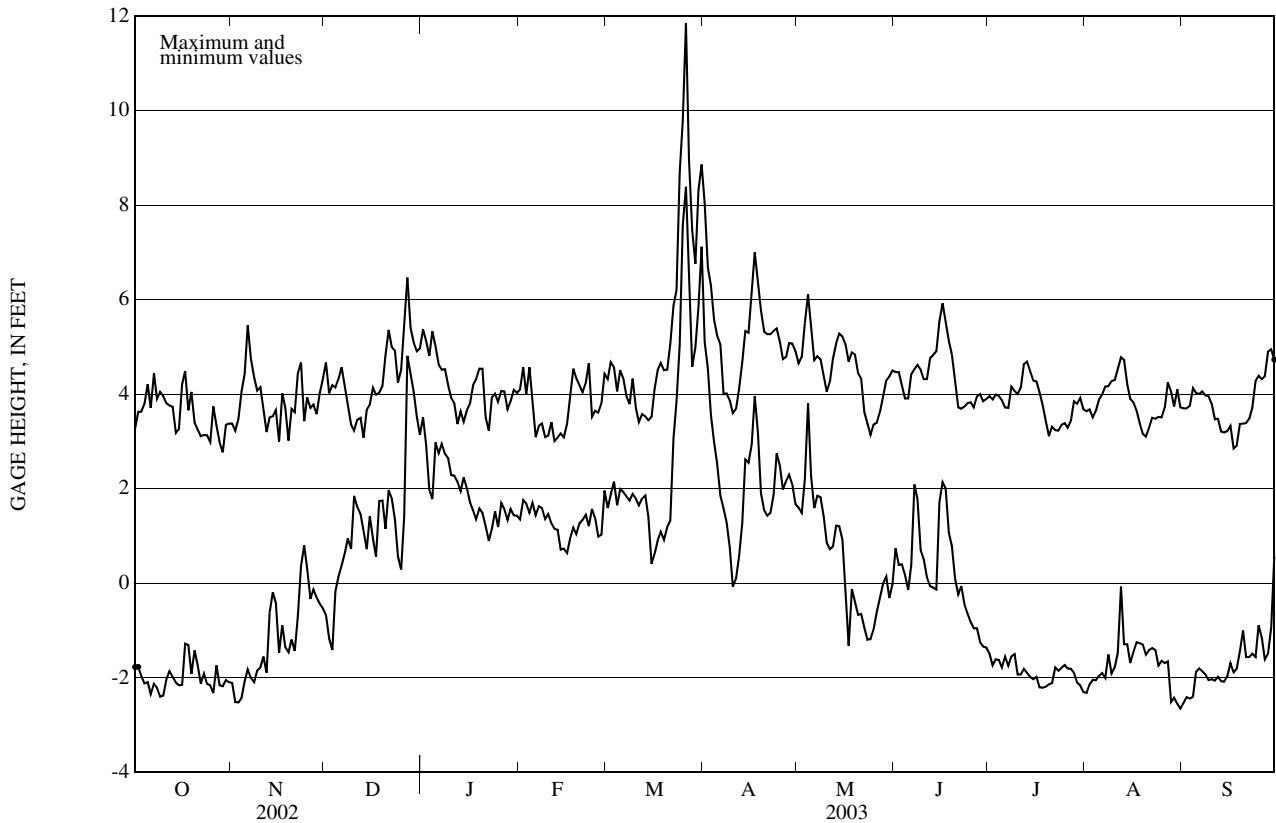
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	3.27	-1.77	3.38	-2.11	4.67	-0.67	5.37	3.51	4.10	1.35	4.32	1.59
2	3.63	-1.77	3.23	-2.51	4.02	-1.17	5.13	2.93	4.57	1.76	4.68	1.88
3	3.63	-1.96	3.48	-2.52	4.19	-1.41	4.81	1.98	3.99	1.69	4.57	2.15
4	3.80	-2.12	4.05	-2.43	4.14	-0.17	5.33	1.78	4.57	1.49	4.06	1.65
5	4.21	-2.09	4.43	-2.07	4.33	0.15	5.01	2.98	3.87	1.70	4.51	1.99
6	3.71	-2.35	5.46	-1.82	4.57	0.38	4.62	2.75	3.09	1.44	4.33	1.93
7	4.44	-2.13	4.75	-2.00	4.15	0.64	4.52	2.95	3.33	1.63	3.96	1.84
8	3.90	-2.21	4.36	-2.09	3.75	0.95	4.53	2.74	3.38	1.59	3.79	1.75
9	4.05	-2.40	4.08	-1.85	3.36	0.73	4.20	2.65	3.09	1.36	4.33	1.89
10	3.96	-2.38	4.15	-1.78	3.23	1.85	3.92	2.29	3.12	1.47	3.71	1.79
11	3.81	-2.03	3.66	-1.55	3.46	1.62	3.81	2.28	3.41	1.27	3.41	1.65
12	3.76	-1.86	3.20	-1.89	3.50	1.47	3.37	2.15	3.01	1.15	3.58	1.79
13	3.73	-1.98	3.51	-0.62	3.08	1.10	3.64	1.95	3.08	1.13	3.53	1.86
14	3.18	-2.10	3.53	-0.19	3.67	0.72	3.42	2.24	3.17	0.71	3.45	1.41
15	3.26	-2.16	3.66	-0.42	3.78	1.42	3.66	2.01	3.09	0.73	3.52	0.41
16	4.21	-2.15	3.00	-1.47	4.14	0.94	3.80	1.72	3.38	0.64	4.11	0.62
17	4.49	-1.28	4.02	-0.89	3.99	0.56	4.19	1.54	3.94	0.94	4.52	0.91
18	3.66	-1.31	3.71	-1.35	4.03	1.74	4.32	1.35	4.54	1.18	4.66	1.09
19	4.05	-1.92	3.02	-1.46	4.17	1.75	4.54	1.58	4.34	1.04	4.51	0.92
20	3.40	-1.42	3.69	-1.19	4.82	1.15	4.54	1.49	4.19	1.27	4.52	1.19
21	3.26	-1.73	3.62	-1.43	5.36	1.97	3.51	1.21	4.04	1.34	5.06	1.32
22	3.11	-2.13	4.43	-0.71	5.00	1.80	3.23	0.90	4.24	1.45	5.87	3.06
23	3.14	-1.91	4.67	0.36	4.92	1.35	3.93	1.15	4.65	1.21	6.20	3.85
24	3.13	-2.13	3.43	0.80	4.25	0.57	4.01	1.52	3.52	1.57	8.70	5.05
25	2.99	-2.16	3.93	0.30	4.52	0.29	3.84	1.19	3.65	1.37	9.78	7.57
26	3.74	-2.32	3.71	-0.33	5.36	1.42	4.07	1.70	3.61	0.99	11.84	8.39
27	3.33	-1.74	3.78	-0.13	6.47	4.81	4.06	1.57	3.81	1.03	8.96	6.35
28	2.99	-2.16	3.58	-0.30	5.40	4.44	3.68	1.34	4.43	1.96	7.47	4.58
29	2.77	-2.18	4.02	-0.43	5.10	4.06	3.85	1.57	---	---	6.76	4.99
30	3.35	-2.05	4.33	-0.53	4.91	3.52	4.09	1.44	---	---	8.31	5.84
31	3.38	-2.09	---	---	4.97	3.14	4.03	1.43	---	---	8.86	7.12
MONTH	4.49	-2.40	5.46	-2.52	6.47	-1.41	5.37	0.90	4.65	0.64	11.84	0.41

01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.04	5.10	4.65	1.60	4.47	0.74	3.96	-1.49	3.64	-2.32	3.70	-2.53
2	6.68	4.54	4.79	1.49	4.47	0.39	3.89	-1.74	3.68	-2.14	3.70	-2.41
3	6.30	3.56	5.50	2.20	4.19	0.40	3.99	-1.61	3.51	-2.04	3.75	-2.44
4	5.57	2.98	6.11	3.81	3.91	0.18	3.96	-1.62	3.65	-2.05	4.13	-2.40
5	5.24	2.53	5.44	2.26	3.91	-0.14	3.87	-1.78	3.89	-1.96	4.03	-1.87
6	5.06	1.86	4.72	1.59	4.42	0.38	3.72	-1.55	3.99	-1.90	4.00	-1.80
7	4.00	1.58	4.80	1.85	4.53	2.09	3.71	-1.75	4.16	-2.00	4.06	-1.86
8	4.02	1.29	4.74	1.82	4.62	1.78	4.16	-1.55	4.17	-1.51	3.97	-1.93
9	3.87	0.75	4.38	1.41	4.52	0.70	4.07	-1.50	4.28	-1.91	3.96	-2.05
10	3.60	-0.07	4.05	0.86	4.32	0.51	4.00	-1.93	4.30	-1.78	3.80	-2.03
11	3.69	0.10	4.27	0.72	4.32	0.13	4.14	-1.93	4.54	-1.47	3.47	-2.06
12	4.11	0.57	4.76	0.78	4.76	-0.06	4.63	-1.81	4.78	-0.07	3.48	-1.98
13	4.68	1.28	5.07	1.22	4.83	-0.09	4.69	-1.90	4.73	-1.29	3.21	-2.07
14	5.34	2.62	5.28	1.21	4.91	-0.13	4.50	-1.98	4.21	-1.29	3.19	-2.08
15	5.30	2.55	5.22	0.92	5.54	1.71	4.29	-2.03	3.90	-1.69	3.22	-1.96
16	6.16	2.94	5.06	-0.33	5.92	2.14	4.27	-1.98	3.83	-1.46	3.33	-1.69
17	7.00	3.96	4.69	-1.32	5.53	2.01	4.04	-2.20	3.65	-1.25	2.85	-1.88
18	6.35	3.18	4.88	-0.12	5.13	1.07	3.76	-2.21	3.39	-1.27	2.91	-1.81
19	5.77	1.90	4.84	-0.39	4.84	0.79	3.43	-2.19	3.16	-1.30	3.37	-1.44
20	5.32	1.54	4.44	-0.67	4.26	0.10	3.11	-2.14	3.10	-1.51	3.38	-1.00
21	5.27	1.43	4.33	-0.65	3.72	-0.24	3.31	-2.11	3.29	-1.41	3.39	-1.56
22	5.27	1.49	3.62	-0.94	3.69	-0.06	3.24	-1.78	3.50	-1.37	3.48	-1.56
23	5.34	1.88	3.38	-1.19	3.74	-0.45	3.23	-1.85	3.48	-1.41	3.72	-1.49
24	5.39	2.75	3.14	-1.18	3.81	-0.64	3.35	-1.79	3.52	-1.74	4.28	-1.56
25	5.11	2.49	3.36	-0.97	3.83	-0.82	3.39	-1.73	3.51	-1.64	4.39	-0.89
26	4.74	1.98	3.40	-0.60	3.72	-0.95	3.29	-1.80	3.72	-1.69	4.32	-1.15
27	4.79	2.16	3.63	-0.29	3.95	-0.95	3.44	-1.81	4.25	-1.65	4.38	-1.61
28	5.08	2.30	3.94	-0.01	4.00	-1.25	3.85	-1.89	4.06	-2.51	4.90	-1.49
29	5.07	2.09	4.29	0.14	3.85	-1.34	3.80	-2.10	3.74	-2.42	4.95	-0.93
30	4.92	1.68	4.37	-0.31	3.90	-1.36	3.92	-2.16	4.10	-2.55	4.73	0.57
31	---	---	4.50	-0.01	---	---	3.68	-2.30	3.72	-2.65	---	---
MONTH	8.04	-0.07	6.11	-1.32	5.92	-1.36	4.69	-2.30	4.78	-2.65	4.95	-2.53
YEAR	11.84	-2.65										



01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

LOCATION.--Lat 44°13'42", long 69°46'42", Kennebec County, Hydrologic Unit 01030003, on left bank 300 ft upstream from Winter Street bridge in Gardiner, 0.4 mi upstream from mouth, and 0.8 mi downstream from Gardiner Water District dam.

DRAINAGE AREA.--217 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1890 to September 1964, October 1976 to current year. Only data from 1906 to current year is used in long term statistical analyses. Earlier data does not include leakage.

CHEMICAL ANALYSES: Water years 1954-56.

REVISED RECORDS.--WSP 541: 1916-20. WSP 1201: Drainage area. WSP 1231: 1910-15. WSP 1701: 1956-59. WDR ME-97-1: 1891-1935(M) 1937-64(M) 1979(M).

GAGE.--Water-stage recorder. Datum of gage is 20.00 ft above National Geodetic Vertical Datum of 1929. June 16, 1890, to Sept. 30, 1964, nonrecording gage at site 0.8 mi upstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Cobbosseecontee Lake and several other lakes upstream.

COOPERATION.--Prior to 1961 records furnished by S.D. Warren Co. Records from 1961 to 1964 furnished by Gardiner Water District.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,020 ft³/s, Mar. 21, 1936; minimum discharge, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,250 ft³/s, Mar. 30, gage height, 6.23 ft; minimum daily discharge, 47 ft³/s, July 29-31.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

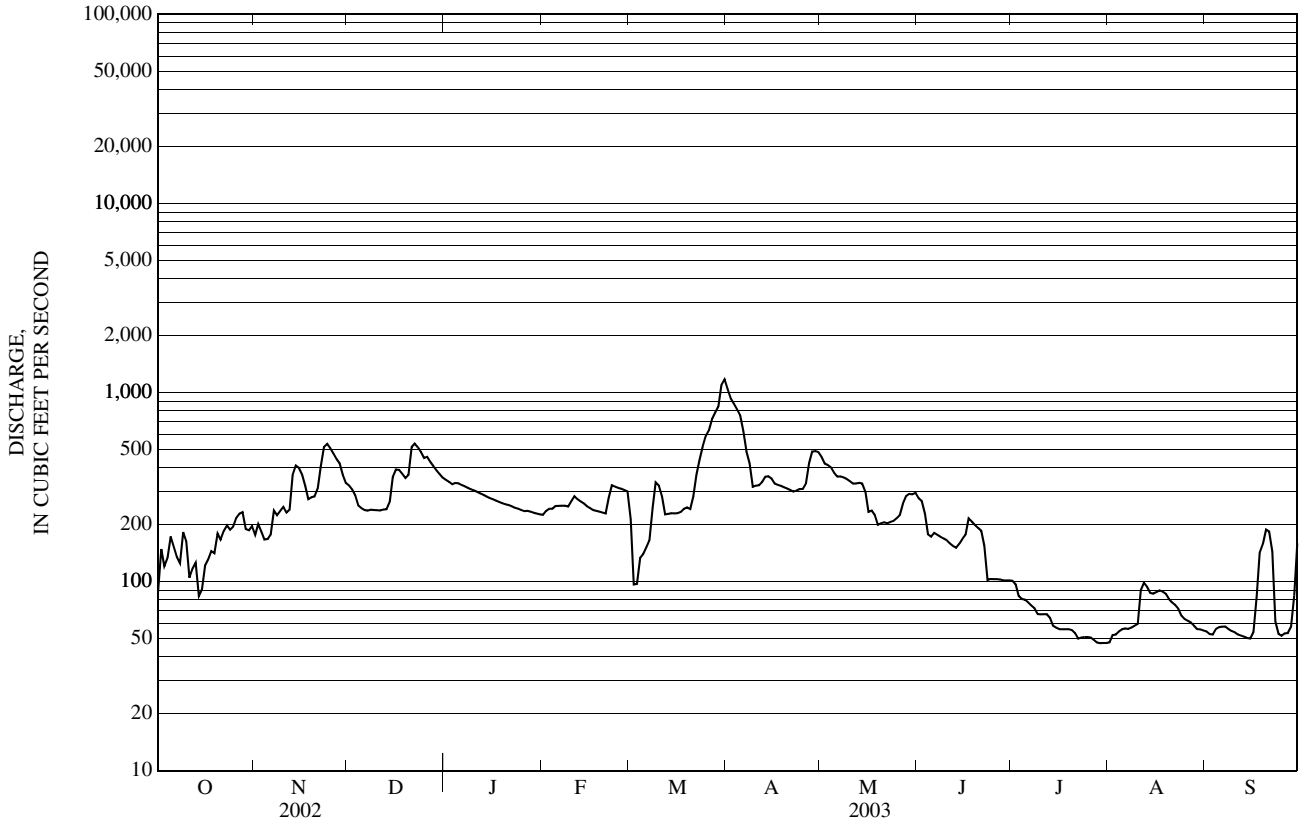
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	177	322	345	226	214	1,040	456	276	101	48	55
2	148	202	307	337	237	97	928	421	266	97	52	53
3	120	184	286	327	243	97	872	413	228	84	52	52
4	133	167	252	333	243	133	813	401	178	81	54	56
5	173	168	244	331	251	140	757	376	173	80	56	57
6	153	177	239	324	252	152	625	359	181	78	56	58
7	135	238	237	319	252	165	485	360	177	75	56	58
8	125	224	240	313	252	245	422	356	173	72	57	56
9	183	236	239	307	250	335	317	349	169	67	58	55
10	164	248	238	303	265	322	322	340	165	67	60	54
11	105	232	238	298	283	284	324	329	159	67	90	52
12	117	240	240	292	273	227	336	330	154	67	99	52
13	126	365	241	287	266	228	358	333	151	64	94	51
14	84	411	264	281	260	230	361	330	159	58	87	50
15	91	400	357	276	251	230	351	299	168	57	86	50
16	121	368	392	272	245	230	330	233	177	56	88	54
17	131	320	390	267	239	233	325	237	216	56	90	83
18	145	273	372	264	237	242	321	225	208	56	89	142
19	141	280	353	260	234	247	316	200	199	56	86	158
20	179	282	367	256	232	242	311	203	192	55	81	189
21	167	311	515	254	229	282	305	206	186	53	78	184
22	186	407	536	250	279	369	299	203	155	50	75	144
23	198	515	513	246	323	440	303	207	102	51	72	62
24	188	535	485	243	318	518	308	209	103	51	66	53
25	195	509	451	239	313	588	309	216	103	51	63	52
26	217	476	457	236	310	632	330	225	103	51	62	53
27	228	445	429	237	304	721	424	259	103	49	61	53
28	233	421	406	235	300	782	487	283	101	48	58	58
29	189	368	387	231	---	844	490	291	101	47	56	85
30	187	332	369	229	---	1,100	484	289	101	47	56	159
31	197	---	354	227	---	1,180	---	295	---	47	55	---
TOTAL	4,847	9,511	10,720	8,619	7,367	11,749	13,653	9,233	4,927	1,939	2,141	2,338
MEAN	156	317	346	278	263	379	455	298	164	62.5	69.1	77.9
MAX	233	535	536	345	323	1,180	1,040	456	276	101	99	189
MIN	84	167	237	227	226	97	299	200	101	47	48	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2003, BY WATER YEAR (WY)

MEAN	252	266	329	285	302	538	938	457	306	187	166	192
MAX	1,039	879	1,517	750	975	2,086	2,386	1,331	1,720	810	285	905
(WY)	(1978)	(1978)	(1984)	(1978)	(1996)	(1936)	(1920)	(1989)	(1917)	(1996)	(1906)	(1954)
MIN	55.0	41.2	39.7	70.5	97.5	126	227	46.9	36.4	29.5	13.6	24.0
(WY)	(1942)	(2002)	(1942)	(2002)	(1942)	(1980)	(1915)	(1999)	(1999)	(1999)	(1983)	(2001)

01049500 COBBOSSECONTEE STREAM AT GARDINER, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1906 - 2003	
ANNUAL TOTAL	103,172		87,044		351	
ANNUAL MEAN	283		238		172	
HIGHEST ANNUAL MEAN					723	1984
LOWEST ANNUAL MEAN					172	1985
HIGHEST DAILY MEAN	1,170	Apr 4	1,180	Mar 31	4,320	Mar 20, 1936
LOWEST DAILY MEAN	14	Jan 7	47	Jul 29	0.00	Aug 25, 1907
ANNUAL SEVEN-DAY MINIMUM	26	Sep 8	48	Jul 26	7.9	Aug 26, 1983
MAXIMUM PEAK FLOW			1,250	Mar 30	5,020	Mar 21, 1936
MAXIMUM PEAK STAGE			6.23	Mar 30		
10 PERCENT EXCEEDS	693		416		770	
50 PERCENT EXCEEDS	198		231		260	
90 PERCENT EXCEEDS	30		56		52	



01049505 KENNEBEC RIVER AT GARDINER, ME

LOCATION.--Lat 44°13'50", long 69°46'16", Kennebec County, Hydrologic Unit 01030003 on right bank at Gardiner, at the mouth of Cobbosseecontee Stream, and 0.6 miles upstream of Togus Stream.

DRAINAGE AREA.--5,752 mi².

PERIOD OF RECORD.--

GAGE HEIGHT: February 2000 to current year.

GAGE.--Water stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

REMARKS.--No gage height record, Nov. 7-8, Dec. 9-10, Jan. 11-30, Feb. 6-14, and July 3. Gage height affected by ocean tides. 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 gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.19 ft, Apr. 25, 2000; minimum gage height, -2.45 ft, Nov. 13, 2001 and Oct. 6, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1936 reached a stage of 26.4 ft, from floodmarks. The flood of April 1987 reached a stage of 24.7 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.90 ft, Mar. 31; minimum gage height, -2.45 ft, Oct. 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.40	-1.45	4.57	-1.74	5.66	-1.20	5.51	-0.90	4.91	-1.39	5.04	-1.06
2	4.78	-1.84	4.26	-2.23	4.93	-2.05	5.57	-0.78	5.38	-0.96	5.38	-0.87
3	4.71	-1.77	4.62	-2.34	5.13	-2.32	5.49	-0.88	4.61	-1.34	5.17	-1.53
4	4.92	-1.84	5.10	-2.18	4.92	-1.96	6.17	-0.19	5.32	-0.99	4.44	-1.50
5	5.24	-1.79	5.49	-1.87	5.18	-1.64	5.39	-0.73	4.44	-1.63	4.94	-1.23
6	4.80	-2.45	6.53	-1.39	5.46	-0.95	5.10	-0.72	---	---	4.87	-0.88
7	5.51	-1.87	---	---	5.02	-1.04	4.93	-0.79	---	---	4.48	-0.89
8	4.99	-2.27	---	---	4.54	-1.04	4.96	-0.62	---	---	4.26	-1.11
9	5.09	-2.05	5.04	-1.73	---	---	4.71	-0.52	---	---	4.96	-0.60
10	5.02	-2.18	5.03	-1.64	---	---	4.46	-0.45	---	---	4.23	-0.84
11	4.92	-2.09	4.66	-1.31	4.05	-1.30	---	---	---	---	3.83	-1.05
12	4.89	-1.87	4.14	-1.75	3.97	-0.82	---	---	---	---	4.05	-0.97
13	4.86	-1.58	4.35	-1.36	3.85	-0.73	---	---	---	---	3.90	-1.04
14	4.35	-1.71	4.31	-1.14	4.58	-0.80	---	---	---	---	4.04	-1.22
15	4.40	-1.70	4.48	-0.94	4.33	-0.33	---	---	3.84	-1.97	4.41	-1.49
16	5.45	-1.74	3.93	-1.75	4.77	-0.40	---	---	4.16	-1.93	4.97	-0.97
17	5.62	-0.79	4.98	-0.95	4.65	-0.53	---	---	4.77	-1.94	5.37	-0.56
18	4.77	-1.19	4.64	-2.08	4.36	-1.06	---	---	5.42	-1.04	5.57	-0.44
19	4.96	-1.45	3.89	-1.98	4.77	-1.04	---	---	5.14	-1.20	5.33	-0.53
20	4.54	-1.60	4.64	-1.64	5.66	-0.32	---	---	4.97	-1.51	5.33	-0.68
21	4.42	-1.77	4.56	-1.50	5.73	0.12	---	---	4.81	-1.51	5.57	-0.29
22	4.27	-1.98	5.34	-0.73	5.55	0.00	---	---	5.01	-1.38	6.27	0.28
23	4.27	-2.03	5.33	-0.88	5.59	-0.05	---	---	5.52	-0.98	6.34	0.00
24	4.27	-1.90	3.76	-1.63	4.99	-0.51	---	---	4.13	-1.86	6.22	-0.02
25	4.14	-1.90	4.61	-1.72	5.38	-0.70	---	---	4.34	-1.88	5.91	0.44
26	4.93	-2.04	4.50	-1.07	4.92	0.09	---	---	4.40	-1.91	5.77	0.41
27	4.50	-1.16	4.55	-1.17	4.43	-0.48	---	---	4.59	-1.62	5.83	0.73
28	4.13	-1.92	4.40	-1.11	4.78	-0.74	---	---	5.04	-0.95	5.61	0.88
29	3.91	-1.99	4.92	-1.43	5.12	-0.59	---	---	---	---	6.00	1.47
30	4.50	-2.07	5.27	-0.99	4.76	-1.05	---	---	---	---	6.34	2.07
31	4.52	-1.57	---	---	5.36	-0.87	4.67	-1.62	---	---	6.90	3.28
MONTH	5.62	-2.45	6.53	-2.34	5.73	-2.32	6.17	-1.62	5.52	-1.97	6.90	-1.53

01049505 KENNEBEC RIVER AT GARDINER, ME—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.27	1.60	5.21	-0.38	5.32	-0.61	4.98	-1.79	4.73	-2.14	4.77	-2.05
2	5.73	1.40	5.40	-0.43	5.37	-0.91	4.93	-1.85	4.77	-1.94	4.81	-2.04
3	5.70	0.74	5.30	0.40	5.06	-0.98	---	---	4.61	-1.88	4.85	-1.87
4	5.28	0.46	5.66	1.14	4.76	-1.25	5.04	-1.58	4.75	-1.84	5.19	-1.83
5	5.34	0.36	5.47	0.27	4.84	-1.19	4.97	-1.56	4.99	-1.64	5.12	-1.40
6	5.50	-0.21	5.19	-0.32	5.21	-0.73	4.82	-1.61	5.08	-1.48	5.16	-1.60
7	4.22	-0.93	5.29	-0.15	4.82	-0.23	4.80	-1.56	5.23	-1.66	5.16	-1.63
8	4.52	-0.74	5.14	-0.21	5.02	-0.20	5.22	-1.40	5.36	-1.52	5.09	-1.79
9	4.49	-0.81	4.94	-0.49	5.31	-0.67	5.15	-1.60	5.38	-1.63	5.06	-1.93
10	4.40	-1.07	4.76	-0.98	5.18	-1.17	5.04	-1.76	5.39	-1.64	4.88	-1.95
11	4.46	-0.98	5.03	-0.53	5.39	-1.20	5.20	-1.82	5.60	-1.53	4.54	-2.01
12	4.91	-0.56	5.55	-0.31	5.68	-1.28	5.69	-1.58	5.73	-1.09	4.58	-1.95
13	5.25	-0.40	5.63	-0.16	5.73	-1.40	5.74	-1.73	5.68	-1.44	4.28	-2.02
14	5.38	-0.17	5.96	-0.40	5.86	-1.19	5.57	-1.92	5.24	-1.56	4.28	-1.95
15	5.55	-0.02	5.99	-0.81	6.30	-0.07	5.34	-1.99	4.98	-1.53	4.33	-1.85
16	5.88	0.08	5.83	-1.21	6.31	-0.17	5.32	-1.75	4.91	-1.22	4.49	-1.62
17	6.36	1.08	5.65	-2.04	6.02	-0.33	5.12	-1.77	4.72	-1.21	4.01	-1.45
18	6.35	0.26	5.79	-1.61	5.76	-0.59	4.86	-1.70	4.47	-1.22	4.01	-1.73
19	6.15	-0.40	5.77	-1.39	5.59	-0.65	4.55	-1.65	4.26	-1.24	4.40	-1.51
20	5.94	-0.72	5.35	-1.61	5.16	-1.09	4.24	-1.52	4.21	-1.33	4.52	-1.03
21	5.98	-0.46	5.28	-1.58	4.63	-1.07	4.39	-1.43	4.40	-1.26	4.52	-1.30
22	5.92	-0.28	4.62	-1.91	4.59	-0.94	4.37	-1.00	4.61	-1.14	4.73	-1.46
23	5.83	0.15	4.36	-1.71	4.68	-0.89	4.36	-1.30	4.62	-1.12	4.83	-1.32
24	5.66	0.39	4.14	-1.62	4.82	-0.82	4.46	-1.40	4.62	-1.49	5.40	-1.45
25	5.31	0.29	4.33	-1.42	4.81	-1.01	4.46	-1.54	4.61	-1.61	5.36	-1.12
26	5.13	-0.06	4.33	-1.21	4.72	-1.21	4.34	-1.80	4.82	-1.69	5.44	-1.37
27	5.15	0.29	4.54	-0.98	4.95	-1.16	4.54	-1.74	5.32	-1.28	5.42	-1.56
28	5.30	0.30	4.83	-0.85	5.05	-1.42	4.97	-1.71	5.16	-2.01	5.98	-1.23
29	5.47	0.07	5.21	-0.65	4.86	-1.71	4.90	-1.83	4.83	-1.98	5.99	-0.88
30	5.30	-0.14	5.35	-0.76	4.93	-1.62	5.01	-1.90	5.16	-2.02	5.61	-0.85
31	---	---	5.42	-0.79	---	---	4.77	-2.21	4.77	-2.19	---	---
MONTH	6.36	-1.07	5.99	-2.04	6.31	-1.71	5.74	-2.21	5.73	-2.19	5.99	-2.05
YEAR	6.90	-2.45										

