01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46°42'00", long 69°42'59", Aroostook County, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.

DRAINAGE AREA.--1,341 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1950 to current year.
CHEMICAL ANALYSES: Water years 1976, 1981.
SPECIFIC CONDUCTANCE: October 1975 to September 1980.
WATER TEMPERATURE: October 1975 to September 1980.

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

GAGE.--Water-stage recorder. Datum of gage is 931.26 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of ice effect, Oct. 30 to Apr. 18, which is 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, 44,400 ft^3/s, May 1, 1974, gage height, 12.63 ft; maximum gage height, 23 ft, Apr. 11, 1991, estimated from flood marks (backwater from ice); minimum discharge, 32 ft^3/s, Sept. 10, 2002; gage height, 0.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,200 ft^3/s, Apr. 24, gage height, 7.62 ft; maximum gage height, 7.71 ft, Apr. 1 (backwater from ice); minimum discharge, 115 ft^3/s, Oct. 16, gage height, 0.60 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	324	e472	e570	e795	e223	e133	e5,190	9,070	1,830	329	1,110	409
2	277	e362	e514	e824	e218	e132	e6,240	9,870	2,110	368	840	360
3	273	e285	e459	e895	e208	e130	e6,490	10,700	2,450	547	673	325
4	240	e350	e417	e824	e198	e129	e6,040	9,120	2,020	1,000	579	293
5	204	e360	e385	e755	e189	e128	e5,110	7,250	1,590	1,150	2,460	265
6	181	e315	e363	e697	e184	e127	e4,250	5,970	5,220	1,300	5,130	252
7	167	e273	e341	e648	e179	e126	e3,580	8,490	7,090	1,210	8,270	237
8	158	e235	e322	e608	e175	e125	e3,120	9,080	5,110	889	9,320	213
9	146	e228	e304	e561	e174	e124	e2,810	6,910	3,790	688	9,700	194
10	139	e233	e292	e525	e170	e123	e2,610	5,290	3,440	564	6,620	177
11	137	e369	e281	e492	e168	e122	e2,640	4,350	3,160	466	5,720	164
12	130	e1,110	e270	e458	e167	e121	e3,090	4,720	3,200	404	5,430	153
13	130	e1,730	e261	e427	e166	e120	e4,150	9,300	2,960	386	3,970	144
14	132	e1,920	e253	e404	e163	e119	e5,620	10,600	2,550	379	2,590	136
15	125	e1,760	e247	e380	e160	e118	e6,390	8,380	4,270	339	1,770	131
16	121	e1,390	e241	e358	e156	e117	e9,350	6,120	5,120	304	1,440	136
17	161	e1,030	e235	e338	e154	e116	e10,400	4,550	4,280	270	3,660	146
18	307	e753	e233	e317	e152	e119	e10,200	3,560	3,150	245	3,560	151
19	565	e608	e229	e300	e149	e131	9,150	2,880	2,330	220	2,380	152
20	772	e583	e228	e285	e145	e157	8,260	2,380	1,830	202	1,610	148
21	1,130	e565	e280	e272	e152	e229	10,000	1,990	1,490	200	1,170	144
22	1,150	e553	e525	e260	e148	e311	14,300	1,730	1,200	804	914	141
23	912	e1,120	e1,020	e249	e146	e378	16,200	1,510	969	3,090	741	141
24	741	e2,440	e1,550	e241	e144	e417	17,000	1,330	810	4,230	630	155
25	642	e2,330	e1,500	e234	e142	e463	16,000	1,250	682	7,290	603	226
26	601	e1,810	e1,330	e226	e139	e503	13,100	1,350	576	5,930	531	250
27	641	e1,210	e1,170	e219	e138	e612	12,200	1,400	485	4,140	500	242
28	763	e891	e1,050	e214	e135	e1,040	12,700	1,370	406	3,850	505	264
29	892	e630	e969	e209	---	e1,670	12,500	1,250	349	2,960	488	317
30	e776	e677	e900	e206	---	e2,110	11,200	1,150	327	2,030	465	325
31	e611	---	e835	e210	---	e3,400	---	1,400	---	1,460	459	---
TOTAL	13,548	26,592	17,574	13,431	4,642	13,650	249,890	154,320	74,794	47,244	83,838	6,391
MEAN	437	886	567	433	166	440	8,330	4,978	2,493	1,524	2,704	213
MAX	1,150	2,440	1,550	895	223	3,400	17,000	10,700	7,090	7,290	9,700	409
MIN	121	228	228	206	135	116	2,610	1,150	327	200	459	131
CFSM	0.33	0.66	0.42	0.32	0.12	0.33	6.21	3.71	1.86	1.14	2.02	0.16
IN.	0.38	0.74	0.49	0.37	0.13	0.38	6.93	4.28	2.07	1.31	2.33	0.18

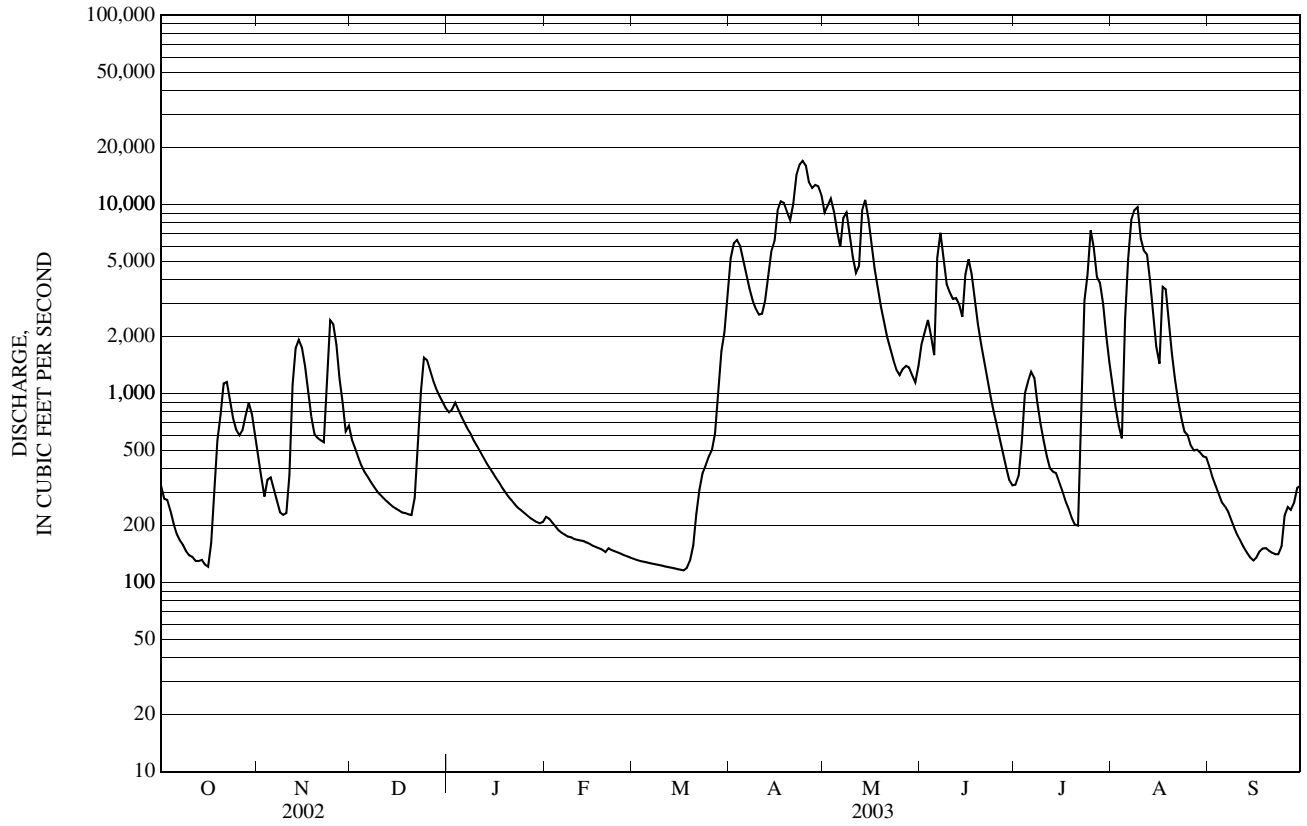
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	1,882	2,203	1,315	709	614	1,014	7,448	6,958	2,073	1,469	1,284	1,283
MAX	6,102	5,717	4,899	2,580	2,981	4,296	13,420	16,550	4,705	6,845	5,985	3,930
(WY)	(1991)	(1964)	(1951)	(1995)	(1996)	(1979)	(1976)	(1961)	(1954)	(1984)	(1981)	(1954)
MIN	347	540	311	207	143	180	1,918	1,474	453	174	113	102
(WY)	(1956)	(1957)	(1956)	(1957)	(1961)	(1956)	(1967)	(1987)	(1988)	(1952)	(1953)	(1952)

e Estimated

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	688,367		705,914			
ANNUAL MEAN	1,886		1,934		2,358	
HIGHEST ANNUAL MEAN					3,548	1984
LOWEST ANNUAL MEAN					1,336	1957
HIGHEST DAILY MEAN	27,100	Apr 19	17,000	Apr 24	38,600	May 1, 1974
LOWEST DAILY MEAN	34	Sep 10	116	Mar 17	34	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	42	Sep 5	119	Mar 12	42	Sep 5, 2002
MAXIMUM PEAK FLOW			17,200	Apr 24	44,400	May 1, 1974
MAXIMUM PEAK STAGE			7.71	Apr 1	23.00	Apr 11, 1991
INSTANTANEOUS LOW FLOW			115	Oct 16	32	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.41		1.44		1.76	
ANNUAL RUNOFF (INCHES)	19.10		19.58		23.89	
10 PERCENT EXCEEDS	4,310		6,070		5,950	
50 PERCENT EXCEEDS	608		564		960	
90 PERCENT EXCEEDS	134		144		255	



01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION.--Lat 46°53'38", long 69°45'08", Aroostook County, Hydrologic Unit 01010001, on left bank at the Six Mile Landing Road Bridge, 4 mi northeast of Depot Mountain, 26.8 mi upstream from mouth.

DRAINAGE AREA.--171 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 885 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Oct. 29 to Nov. 12, Nov. 16 to Apr. 21, and period of doubtful stage-discharge relation, Aug. 7-14, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,680 ft^3/s Apr. 1, 1987; gage height, 15.62 ft; minimum daily discharge, 7.4 ft^3/s, Sept. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 23	2030	2,560	8.85	Aug 11	0645	*4,640	*11.44
Aug 8	1515	3,230	9.73				

Minimum discharge, 12 ft^3/s, Oct. 8, gage height, 2.98 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	21	e48	e121	e94	e24	e18	e924	1,390	288	43	105	77
2	18	e41	e106	e100	e25	e18	e1,370	1,410	606	52	79	69
3	16	e42	e95	e83	e24	e18	e1,660	1,320	535	277	63	61
4	15	e38	e86	e70	e23	e17	e1,590	1,070	340	507	58	54
5	15	e35	e78	e61	e22	e17	e1,360	898	232	397	415	51
6	14	e33	e71	e56	e22	e17	e1,140	833	632	230	1,060	50
7	13	e31	e66	e51	e22	e17	e957	1,260	687	133	2,480	49
8	13	e30	e61	e48	e22	e16	e847	1,260	435	87	2,920	45
9	13	e30	e57	e46	e21	e16	e768	921	314	76	2,040	41
10	14	e42	e54	e44	e21	e16	e726	684	417	71	1,650	37
11	15	e73	e51	e42	e21	e16	e752	565	382	55	3,860	35
12	15	e281	e48	e40	e21	e16	e869	902	563	49	2,730	33
13	15	350	e46	e38	e20	e16	e1,180	1,600	468	46	1,280	32
14	15	278	e44	e37	e20	e16	e1,660	1,510	376	43	628	31
15	14	212	e43	e35	e20	e15	e1,780	1,090	584	38	380	30
16	15	e164	e41	e34	e20	e15	e1,620	728	646	33	344	32
17	30	e128	e41	e33	e20	e15	e1,230	522	440	31	667	34
18	61	e114	e40	e32	e20	e16	e1,030	405	278	29	535	35
19	85	e105	e40	e31	e20	e17	e889	329	185	28	336	33
20	81	e99	e42	e30	e21	e20	e804	269	139	27	220	32
21	66	e95	e77	e30	e21	e26	e1,290	227	111	34	172	34
22	55	e92	e151	e29	e20	e37	2,120	208	90	81	146	32
23	49	e190	e242	e28	e20	e54	2,470	185	76	401	126	32
24	46	e333	e263	e28	e20	e69	2,480	163	64	633	134	37
25	46	e268	e207	e27	e19	e79	2,260	174	55	892	140	48
26	51	e195	e171	e26	e19	e87	1,770	238	48	586	119	50
27	74	e156	e143	e26	e18	e95	1,860	230	41	456	105	49
28	101	e143	e122	e25	e18	e107	2,050	188	36	546	105	47
29	e95	e157	e108	e25	---	e147	1,900	163	31	390	97	58
30	e75	e138	e96	e24	---	e358	1,710	155	35	231	92	54
31	e59	---	e86	e24	---	e513	---	192	---	151	91	---
TOTAL	1,215	3,941	2,897	1,297	584	1,904	43,066	21,089	9,134	6,653	23,177	1,302
MEAN	39.2	131	93.5	41.8	20.9	61.4	1,436	680	304	215	748	43.4
MAX	101	350	263	100	25	513	2,480	1,600	687	892	3,860	77
MIN	13	30	40	24	18	15	726	155	31	27	58	30
CFSM	0.23	0.77	0.55	0.24	0.12	0.36	8.39	3.98	1.78	1.26	4.37	0.25
IN.	0.26	0.86	0.63	0.28	0.13	0.41	9.37	4.59	1.99	1.45	5.04	0.28

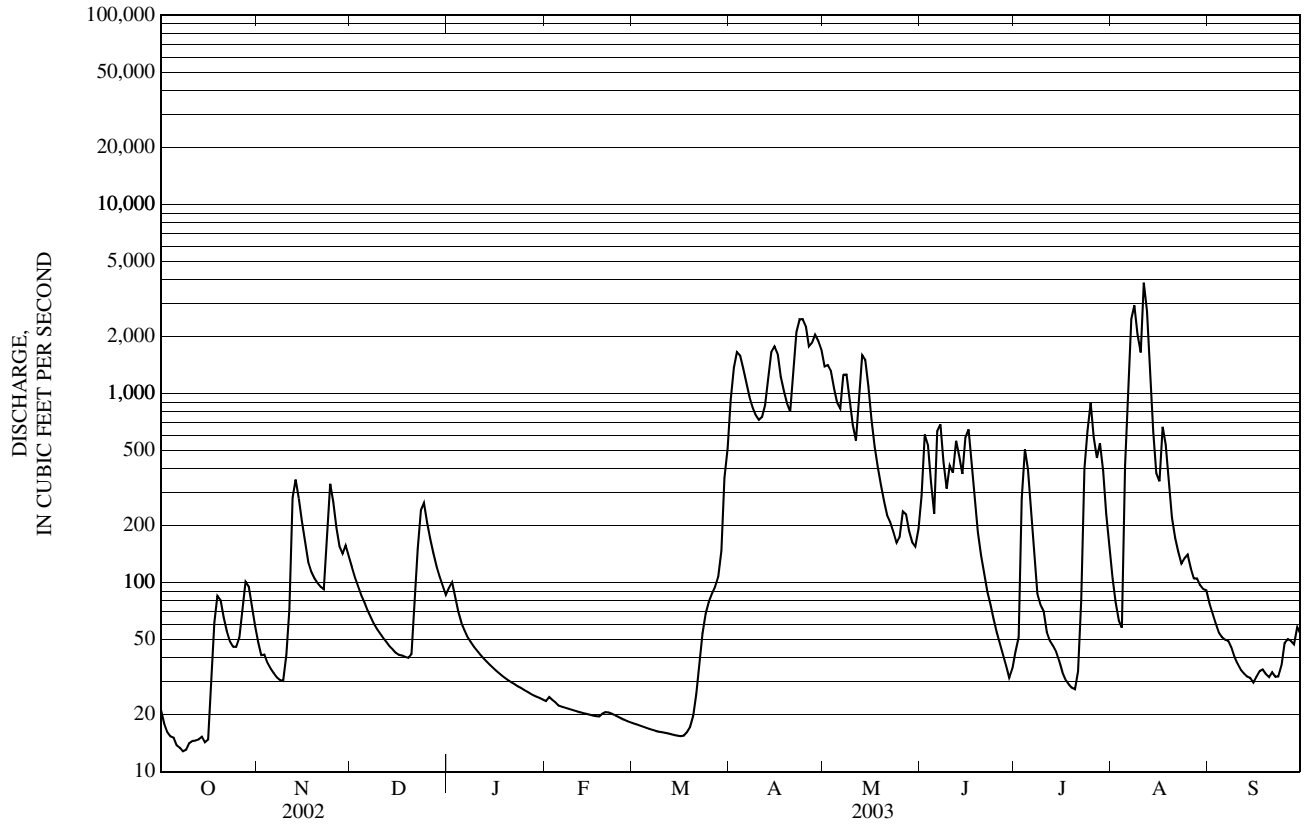
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

MEAN	242	308	182	97.4	84.8	208	1,272	712	241	201	146	111
MAX	710	612	708	265	393	852	1,807	1,766	762	691	748	364
(WY)	(1991)	(1989)	(1991)	(1991)	(1996)	(1990)	(1991)	(1997)	(1994)	(1984)	(2003)	(1986)
MIN	39.2	113	41.8	27.5	13.6	25.9	678	152	57.2	38.5	17.6	17.1
(WY)	(2003)	(2002)	(1998)	(1985)	(1985)	(1993)	(1985)	(1987)	(1998)	(1997)	(2001)	(2002)

e Estimated

01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1984 - 2003	
ANNUAL TOTAL	89,620.5		116,259			
ANNUAL MEAN	246		319		317	
HIGHEST ANNUAL MEAN					438	1984
LOWEST ANNUAL MEAN					157	1985
HIGHEST DAILY MEAN	5,300	Apr 18	3,860	Aug 11	6,790	Apr 1, 1987
LOWEST DAILY MEAN	8.6	Sep 6	13	Oct 7	7.4	Sep 24, 1985
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 4	14	Oct 4	8.0	Sep 20, 1985
MAXIMUM PEAK FLOW			4,640	Aug 11	8,680	Apr 1, 1987
MAXIMUM PEAK STAGE			11.44	Aug 11	15.62	Apr 1, 1987
INSTANTANEOUS LOW FLOW			12	Oct 8		
ANNUAL RUNOFF (CFSM)	1.44		1.86		1.85	
ANNUAL RUNOFF (INCHES)	19.50		25.29		25.19	
10 PERCENT EXCEEDS	573		1,060		821	
50 PERCENT EXCEEDS	61		73		112	
90 PERCENT EXCEEDS	15		19		30	



01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47°06'44", long 69°05'25", Aroostook County, Hydrologic Unit 01010001, on right bank at downstream side of State Route 161 highway bridge at Dickey, 0.4 mi downstream from Little Black River, and 2.8 mi upstream from Allagash River.

DRAINAGE AREA.--2,680 mi^2.

PERIOD OF RECORD.--
DISCHARGE : July to November 1910 and April to November 1911 (published as "near Dickey"), September 1946 to current year.
CHEMICAL ANALYSES: Water years 1952, 1975, 1981.
SPECIFIC CONDUCTANCE: April 1975 to September 1980.
WATER TEMPERATURE: April 1975 to September 1980.
SUSPENDED SEDIMENT DISCHARGE: October 1975 to September 1976.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-95-1: 1993, 1994. WDR ME-97-1: 1991(M) 1992(M) 1994(P)

GAGE.--Water-stage recorder. Datum of gage is 590.38 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 2,300 ft downstream at different datum. September 1946 to April 1962, water-stage recorder at site 1,300 ft downstream at same datum. April 1962 to August 1993, water-stage recorder at current site and datum. August 1993 to July 1998, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good, except for the periods of ice effect, Oct. 31 to Nov. 11 and Nov. 17 to Apr. 17, which are fair. Satellite gage-height telemeter at station. Gage operated in conjunction with a co-located precipitation gage. Records for precipitation are located in the Quantity of Precipitation section.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 91,700 ft^3/s, Apr. 29, 1979, gage height, 19.13 ft; maximum gage height, 37.89 ft, from flood marks, Apr. 9, 1991 (backwater from ice); minimum discharge, 106 ft^3/s, Sept. 10, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 27,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 2	1545	Ice Jam	*30.20	Apr 24	2345	*34,200	12.21

Minimum daily discharge, 238 ft^3/s, Mar. 17.

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	294	e944	e975	e1,520	e343	e260	e7,560	19,300	3,470	806	3,130	1,040
2	405	e743	e904	e1,430	e365	e258	e10,300	18,100	4,030	841	2,440	988
3	457	e580	e827	e1,350	e359	e254	e11,700	19,500	4,790	1,040	1,920	892
4	402	e467	e769	e1,340	e348	e252	e11,000	17,600	4,570	2,310	1,650	816
5	403	e546	e700	e1,400	e340	e252	e9,550	14,900	3,700	3,530	2,620	759
6	364	e788	e666	e1,300	e331	e248	e8,080	12,900	3,810	3,130	9,260	713
7	328	e640	e629	e1,190	e325	e246	e6,870	14,200	10,100	2,640	13,400	661
8	290	e525	e600	e1,100	e320	e246	e6,070	18,500	8,840	2,170	20,400	628
9	266	e500	e576	e1,030	e313	e244	e5,520	15,300	6,640	1,690	18,400	590
10	263	e538	e558	e945	e312	e244	e5,050	12,100	5,730	1,410	14,700	543
11	260	e875	e540	e866	e309	e242	e4,790	10,100	5,660	1,180	13,900	506
12	256	1,310	e527	e812	e304	e242	e5,640	9,340	5,670	999	15,900	471
13	251	2,930	e515	e768	e302	e240	e6,860	13,800	6,050	891	12,200	446
14	263	3,610	e502	e720	e298	e240	e8,180	18,800	5,160	829	7,950	422
15	255	3,420	e490	e680	e293	e240	e10,200	16,500	5,540	790	5,490	403
16	257	3,000	e479	e637	e289	e239	e12,200	12,700	8,300	724	4,240	396
17	324	e2,390	e467	e592	e286	e238	e15,900	9,780	7,880	657	4,640	421
18	546	e1,900	e456	e557	e282	e240	18,300	7,920	6,100	606	7,220	429
19	715	e1,400	e449	e525	e279	e261	16,400	6,610	4,700	546	5,700	424
20	982	e1,150	e440	e497	e278	e309	13,700	5,670	3,770	502	4,210	419
21	1,190	e1,330	e540	e472	e275	e425	14,900	4,950	3,140	513	3,250	410
22	1,450	e1,670	e676	e450	e271	e570	22,500	4,370	2,640	627	2,640	403
23	1,540	e2,070	e1,000	e431	e280	e690	29,600	3,910	2,170	2,020	2,170	393
24	1,300	e2,950	e1,650	e415	e277	e769	33,200	3,530	1,820	6,240	1,870	421
25	1,140	e4,250	e2,550	e400	e270	e808	32,400	3,270	1,540	9,780	1,680	465
26	1,070	e3,520	e2,650	e386	e264	e830	27,300	3,220	1,310	10,900	1,570	493
27	1,140	e2,350	e2,500	e374	e261	e883	23,800	3,310	1,140	8,130	1,430	562
28	1,280	e1,480	e2,190	e361	e261	e1,000	25,100	3,190	966	7,190	1,280	638
29	1,440	e1,070	e1,950	e351	---	e1,330	24,000	3,060	840	6,400	1,190	2,070
30	1,500	e925	e1,760	e341	---	e2,570	22,500	3,000	800	4,790	1,170	2,620
31	e1,230	---	e1,640	e337	---	e4,650	---	3,060	---	3,770	1,120	---
TOTAL	21,861	49,871	31,175	23,577	8,435	19,520	449,170	312,490	130,876	87,651	188,740	20,442
MEAN	705	1,662	1,006	761	301	630	14,970	10,080	4,363	2,827	6,088	681
MAX	1,540	4,250	2,650	1,520	365	4,650	33,200	19,500	10,100	10,900	20,400	2,620
MIN	251	467	440	337	261	238	4,790	3,000	800	502	1,120	393
CFSM	0.26	0.62	0.38	0.28	0.11	0.23	5.59	3.76	1.63	1.06	2.27	0.25
IN.	0.30	0.69	0.43	0.33	0.12	0.27	6.23	4.34	1.82	1.22	2.62	0.28

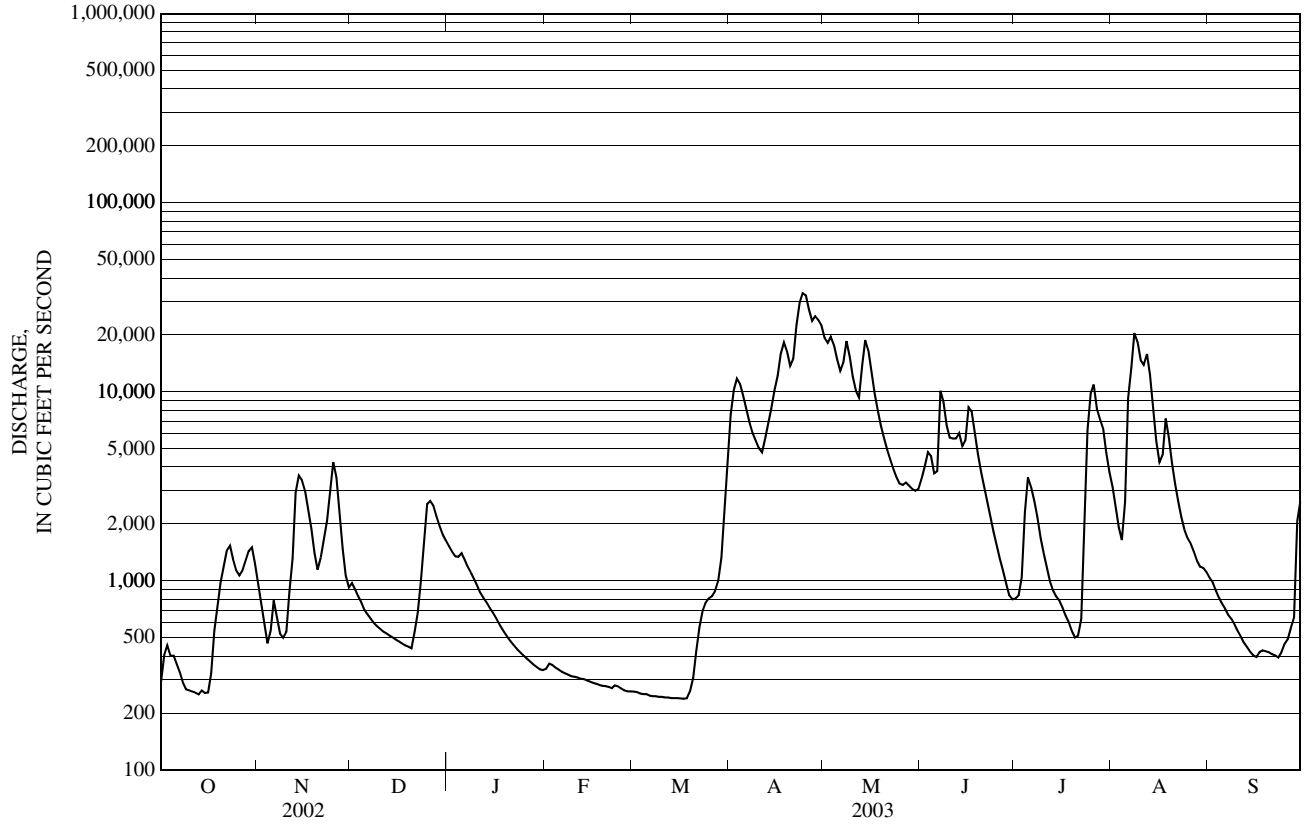
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	3,414	4,085	2,584	1,392	1,180	1,857	14,630	15,280	4,390	2,859	2,480	2,350
MAX	11,280	10,180	9,781	4,461	6,456	9,249	27,790	35,100	10,840	10,320	11,740	7,655
(WY)	(1978)	(1964)	(1951)	(1995)	(1996)	(1979)	(1976)	(1961)	(1947)	(1984)	(1981)	(1954)
MIN	690	605	624	341	201	378	3,999	2,681	1,152	796	265	265
(WY)	(1954)	(1948)	(1956)	(1948)	(1948)	(1956)	(1965)	(1987)	(1968)	(1991)	(1953)	(2002)

e Estimated

01010500 ST. JOHN RIVER AT DICKEY, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	1,276,425		1,343,808			
ANNUAL MEAN	3,497		3,682		4,732	
HIGHEST ANNUAL MEAN					7,193	1976
LOWEST ANNUAL MEAN					2,844	1965
HIGHEST DAILY MEAN	52,600	Apr 19	33,200	Apr 24	86,800	Apr 29, 1979
LOWEST DAILY MEAN	110	Sep 10	238	Mar 17	110	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	119	Sep 4	240	Mar 12	119	Sep 4, 2002
MAXIMUM PEAK FLOW			34,200	Apr 24	91,700	Apr 29, 1979
MAXIMUM PEAK STAGE			30.20	Apr 2	37.89	Apr 9, 1991
INSTANTANEOUS LOW FLOW					106	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.30		1.37		1.77	
ANNUAL RUNOFF (INCHES)	17.72		18.65		23.99	
10 PERCENT EXCEEDS	8,620		11,900		11,800	
50 PERCENT EXCEEDS	1,070		1,120		1,980	
90 PERCENT EXCEEDS	300		280		550	



01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

LOCATION.--Lat 47°04'14", long 69°04'51", Aroostook County, Hydrologic Unit 01010002, on left bank 3.0 mi upstream from mouth and village of Allagash.

DRAINAGE AREA.--1,229 mi^2, not including 249 mi^2 drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--
DISCHARGE: July 1910 to November 1910, May to November 1911, September 1931 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.
CHEMICAL ANALYSES: Water years 1952-53, 1975, 1981.
SPECIFIC CONDUCTANCE: April 1975 to September 1980.
WATER TEMPERATURE: April 1975 to September 1980.
SUSPENDED SEDIMENT DISCHARGE: October 1975 to September 1976.

REVISED RECORDS.--WSP 1231: 1911. WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 604.6 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 3.0 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Oct. 31 to Nov. 11 and Nov. 16 to Apr. 20, which are fair. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft^3, 58 mi upstream. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,900 ft^3/s, Apr. 18, 1983, gage height, 13.68 ft; maximum gage height, 19.78 ft, Apr. 10, 1991 (backwater from ice); minimum discharge, 87 ft^3/s, Sept. 11, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,700 ft^3/s, Apr. 24, gage height, 7.97 ft; maximum gage hieght, 9.29 ft, Apr. 15 (backwater from ice); minimum discharge, 133 ft^3/s, Oct. 13, gage height, 1.66 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	262	e445	e696	e507	e313	e242	e2,210	8,730	1,940	940	1,510	773
2	261	e369	e616	e498	e316	e240	e2,840	9,000	1,890	999	1,210	725
3	247	e300	e569	e480	e305	e238	e3,050	8,940	1,890	1,390	1,030	657
4	232	e310	e540	e465	e293	e237	e3,140	8,250	1,700	2,130	993	604
5	225	e316	e516	e452	e286	e235	e3,130	7,470	1,510	1,960	1,260	575
6	219	e267	e496	e439	e279	e234	e3,050	6,460	2,200	1,570	1,750	537
7	203	e255	e478	e429	e273	e233	e2,900	6,890	3,480	1,300	1,750	505
8	179	e266	e461	e419	e268	e233	e2,730	6,920	3,160	1,160	1,670	480
9	160	e258	e448	e409	e263	e232	e2,580	5,890	2,970	1,200	2,030	447
10	156	e254	e436	e399	e259	e231	e2,470	5,150	2,950	1,110	2,000	429
11	148	e254	e424	e391	e255	e230	e2,470	4,690	2,670	999	3,530	423
12	143	392	e417	e383	e251	e229	e2,550	4,490	2,600	939	3,820	411
13	139	514	e409	e374	e247	e228	e2,710	4,980	2,440	904	2,990	405
14	147	544	e401	e367	e244	e227	e2,820	5,350	2,300	830	2,330	399
15	142	535	e396	e359	e241	e226	e2,970	5,140	2,650	728	1,920	390
16	141	e484	e391	e351	e238	e225	e3,170	4,650	2,890	640	1,780	404
17	159	e365	e386	e344	e236	e225	e4,030	4,200	2,820	592	2,020	487
18	227	e314	e379	e337	e234	e224	e4,360	3,800	2,560	551	1,930	513
19	261	e289	e373	e330	e232	e226	e4,320	3,500	2,290	502	1,700	474
20	264	e299	e370	e322	e231	e269	e4,280	3,210	2,080	468	1,520	449
21	332	e293	e400	e317	e243	e339	5,360	2,920	1,880	471	1,390	447
22	329	e276	e646	e310	e251	e461	7,870	2,650	1,740	757	1,280	437
23	303	e410	e625	e303	e253	e568	10,200	2,430	1,570	1,480	1,180	422
24	302	e875	e566	e297	e252	e700	11,400	2,280	1,410	1,810	1,140	449
25	305	e1,050	e527	e293	e250	e781	11,300	2,170	1,280	2,380	1,090	484
26	347	e988	e504	e287	e248	e837	10,400	2,050	1,170	2,130	1,030	481
27	442	e897	e485	e283	e245	e862	10,400	1,840	1,080	2,040	995	465
28	548	e775	e471	e279	e243	e918	10,400	1,630	996	2,390	943	495
29	584	e659	e457	e275	---	e1,020	10,000	1,550	915	1,910	889	2,340
30	558	e631	e448	e274	---	e1,220	9,580	1,580	909	1,540	862	2,690
31	e506	---	e456	e283	---	e1,650	---	1,810	---	1,700	812	---
TOTAL	8,471	13,884	14,787	11,256	7,249	14,020	158,690	140,620	61,940	39,520	50,354	18,797
MEAN	273	463	477	363	259	452	5,290	4,536	2,065	1,275	1,624	627
MAX	584	1,050	696	507	316	1,650	11,400	9,000	3,480	2,390	3,820	2,690
MIN	139	254	370	274	231	224	2,210	1,550	909	468	812	390
CFSM	0.22	0.38	0.39	0.30	0.21	0.37	4.30	3.69	1.68	1.04	1.32	0.51
IN.	0.26	0.42	0.45	0.34	0.22	0.42	4.80	4.26	1.87	1.20	1.52	0.57

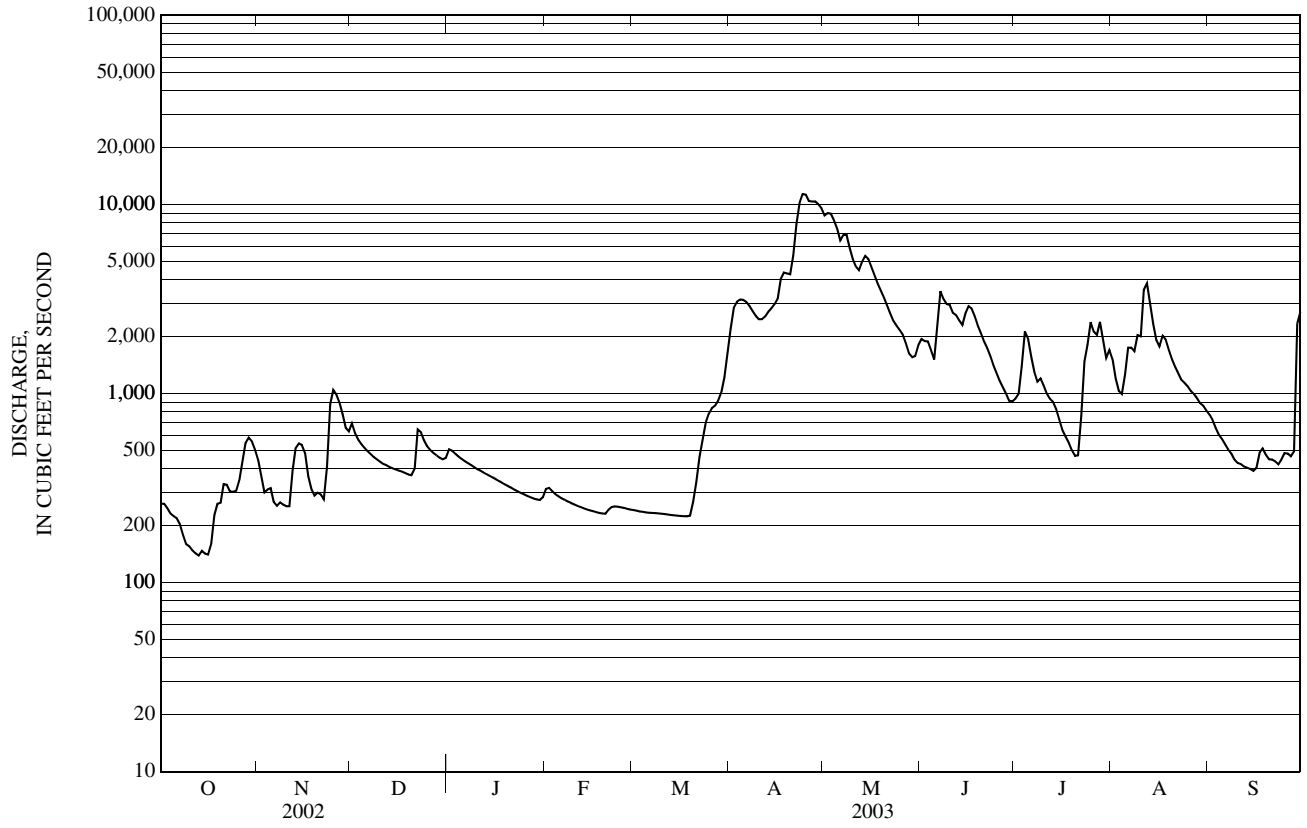
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	1,241	1,548	1,171	716	591	781	4,792	6,392	2,217	1,407	1,082	1,044
MAX	5,068	4,628	4,549	1,865	2,400	3,610	10,100	13,550	4,544	4,053	5,292	3,419
(WY)	(1991)	(1964)	(1951)	(1958)	(1996)	(1979)	(1976)	(1961)	(1947)	(1954)	(1976)	(1999)
MIN	149	235	252	192	119	181	623	1,269	611	365	165	122
(WY)	(1969)	(1969)	(1969)	(1948)	(1948)	(1956)	(1944)	(1987)	(1998)	(1965)	(1968)	(1968)

e Estimated

01011000 ALLAGASH RIVER NEAR ALLAGASH, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	518,019		539,588			
ANNUAL MEAN	1,419		1,478		1,928	
HIGHEST ANNUAL MEAN					2,899	1976
LOWEST ANNUAL MEAN					989	1957
HIGHEST DAILY MEAN	16,600	Apr 19	11,400	Apr 24	32,100	Apr 18, 1983
LOWEST DAILY MEAN	139	Oct 13	139	Oct 13	91	Mar 9, 1948
ANNUAL SEVEN-DAY MINIMUM	145	Oct 10	145	Oct 10	91	Mar 9, 1948
MAXIMUM PEAK FLOW			11,700	Apr 24	36,900	Apr 18, 1983
MAXIMUM PEAK STAGE			9.29	Apr 15	19.78	Apr 10, 1991
INSTANTANEOUS LOW FLOW			133	Oct 13	87	Sep 11, 1960
ANNUAL RUNOFF (CFSM)	1.15		1.20		1.57	
ANNUAL RUNOFF (INCHES)	15.68		16.33		21.32	
10 PERCENT EXCEEDS	3,560		3,320		4,650	
50 PERCENT EXCEEDS	461		544		964	
90 PERCENT EXCEEDS	233		238		313	



01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR CONNORS, NEW BRUNSWICK

(International gaging station)

LOCATION.--Lat 47°12'25", long 68°57'25", Madawaska County, on left bank at outlet of Glasier Lake, 4.0 mi upstream from mouth, and 6.5 mi west of Connors.

DRAINAGE AREA.--524 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1951 to current year.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-97-1: 1992(M). WDR ME-00-1: 1999.

GAGE.--Water-stage recorder. Elevation of gage is 550 ft, from International Boundary Map.

REMARKS.--Records good, including period of ice effect, Jan. 27 to Mar. 21. Satellite gage-height telemeter at station.

COOPERATION.--This station is maintained by Canada under agreement with the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft^3/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily discharge, 60 ft^3/s, Oct. 11, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,080 ft^3/s, Apr. 26, gage height, 8.74 ft; minimum daily discharge, 81 ft^3/s, Oct. 13 and 16.

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	109	197	381	236	e109	e101	367	4,700	847	343	352	327
2	113	204	371	233	e120	e100	459	4,520	865	331	344	312
3	109	200	360	226	e133	e100	547	4,340	862	323	335	298
4	100	192	343	220	e131	e99	625	4,100	844	332	333	286
5	102	189	327	214	e135	e98	671	3,780	812	333	410	279
6	98	188	312	209	e129	e97	699	3,490	809	326	618	269
7	93	193	298	205	e123	e97	692	3,350	777	306	1,170	257
8	91	179	295	201	e120	e96	674	3,310	749	292	1,810	245
9	85	175	286	198	e117	e95	653	3,350	720	290	2,020	232
10	84	170	277	193	e114	e95	629	3,270	724	274	2,010	222
11	84	172	268	189	e113	e94	614	3,080	710	266	1,910	213
12	82	183	262	184	e111	e93	636	2,920	727	260	1,710	204
13	81	202	258	179	e109	e93	710	2,810	738	257	1,490	196
14	90	242	256	177	e106	e92	840	2,750	763	252	1,290	189
15	83	286	263	173	e104	e92	1,000	2,720	773	246	1,110	184
16	81	316	257	169	e103	e91	1,180	2,630	763	235	982	181
17	90	337	250	165	e102	e91	1,300	2,460	752	230	893	182
18	97	371	243	160	e102	e91	1,390	2,260	724	221	819	173
19	103	357	236	155	e101	e91	1,450	2,060	696	210	763	165
20	119	341	231	151	e99	e90	1,510	1,880	660	201	703	161
21	127	334	242	149	e99	e95	1,670	1,710	611	198	650	160
22	136	335	244	144	e98	102	2,080	1,550	569	209	600	155
23	142	360	245	139	e103	103	2,870	1,420	530	223	554	150
24	150	371	250	136	e113	104	3,920	1,290	491	264	519	156
25	157	385	253	132	e106	106	4,730	1,190	459	291	480	151
26	161	403	258	129	e103	115	5,050	1,100	434	297	452	152
27	177	413	256	e126	e102	127	5,010	1,020	410	315	434	148
28	188	413	254	e121	e100	137	4,870	943	381	341	406	160
29	190	396	252	e118	---	155	4,870	893	349	344	378	318
30	191	381	247	e114	---	207	4,800	851	334	353	364	434
31	193	---	240	e112	---	278	---	840	---	357	343	---
TOTAL	3,706	8,485	8,515	5,257	3,105	3,425	56,516	76,587	19,883	8,720	26,252	6,559
MEAN	120	283	275	170	111	110	1,884	2,471	663	281	847	219
MAX	193	413	381	236	135	278	5,050	4,700	865	357	2,020	434
MIN	81	170	231	112	98	90	367	840	334	198	333	148
CFSM	0.23	0.54	0.52	0.32	0.21	0.21	3.60	4.71	1.26	0.54	1.62	0.42
IN.	0.26	0.60	0.60	0.37	0.22	0.24	4.01	5.44	1.41	0.62	1.86	0.47

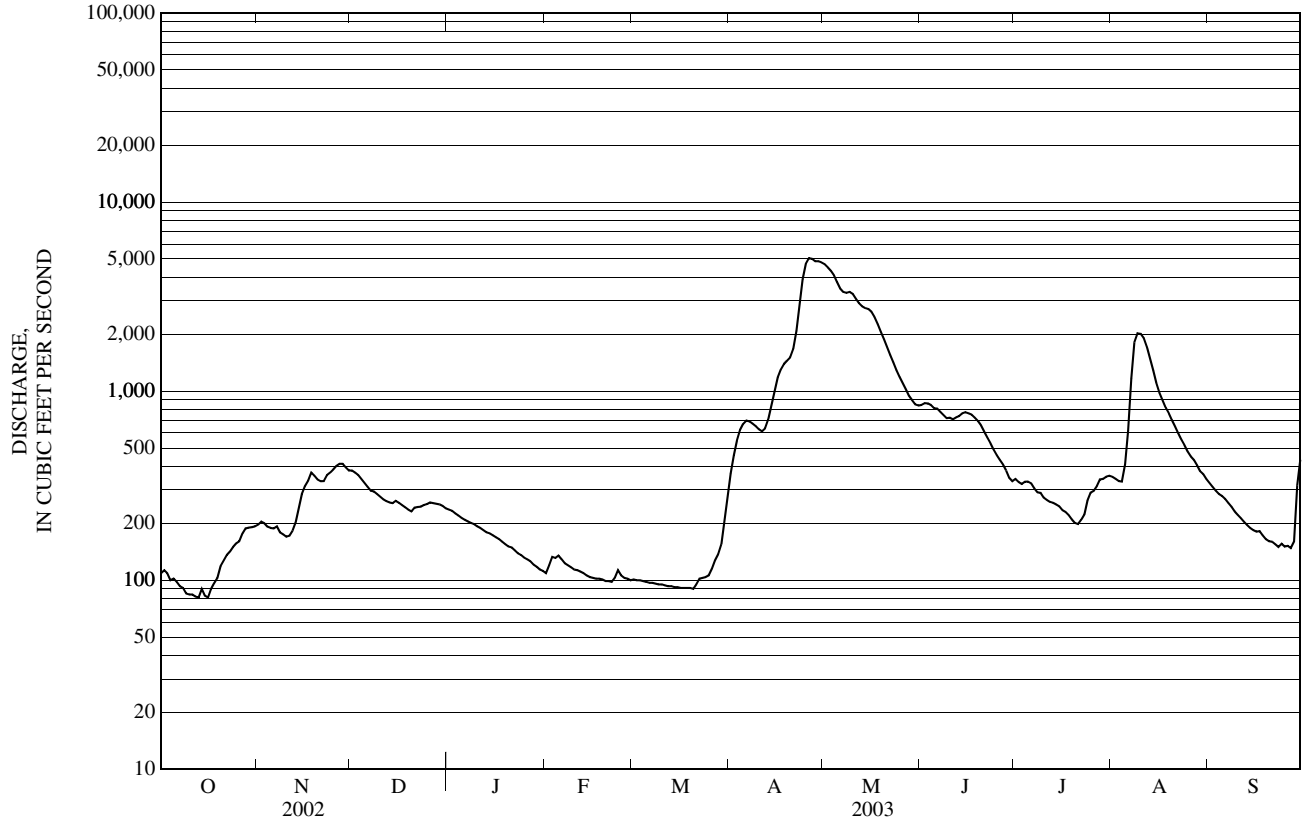
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	517	695	535	323	274	320	2,192	3,296	950	511	438	371
MAX	1,650	1,889	1,393	839	1,072	1,116	4,554	6,360	1,954	1,730	2,055	1,222
(WY)	(1955)	(1964)	(1958)	(1958)	(1981)	(1981)	(1983)	(1974)	(1994)	(1992)	(1981)	(1971)
MIN	84.3	97.4	102	115	111	107	558	606	438	206	101	83.4
(WY)	(1969)	(1979)	(1979)	(1990)	(2003)	(1962)	(1967)	(1987)	(1998)	(1991)	(1978)	(1978)

e Estimated

01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	218,979		227,010			
ANNUAL MEAN	600		622		871	
HIGHEST ANNUAL MEAN					1,285	1958
LOWEST ANNUAL MEAN					485	1965
HIGHEST DAILY MEAN	7,060	Apr 20	5,050	Apr 26	14,500	Apr 30, 1979
LOWEST DAILY MEAN	79	Sep 7	81	Oct 13	60	Oct 11, 1978
ANNUAL SEVEN-DAY MINIMUM	84	Sep 4	84	Oct 10	64	Oct 3, 2000
MAXIMUM PEAK FLOW			5,080	Apr 26	15,000	Apr 30, 1979
MAXIMUM PEAK STAGE			8.74	Apr 26	15.39	Apr 30, 1979
ANNUAL RUNOFF (CFSM)	1.14		1.19		1.66	
ANNUAL RUNOFF (INCHES)	15.55		16.12		22.58	
10 PERCENT EXCEEDS	1,660		1,600		2,080	
50 PERCENT EXCEEDS	248		257		418	
90 PERCENT EXCEEDS	115		100		148	



01013500 FISH RIVER NEAR FORT KENT, ME

LOCATION.--Lat 47°14'14", long 68°34'56", Aroostook County, Hydrologic Unit 01010003, on right bank 300 ft upstream from highway bridge at Fort Kent Mills, 2 mi upstream from mouth, and 2 mi south of Fort Kent.

DRAINAGE AREA.--873 mi^2.

PERIOD OF RECORD.--
DISCHARGE: July 1903 to December 1908 and May to November 1911 (published as "at Wallagrass"), September 1929 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.

REVISED RECORDS.--WSP 2101: 1969(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 511.38 ft above National Geodetic Vertical Datum of 1929. July 1903 to December 1908 and May to November 1911, nonrecording gage at site 10 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 4-5, 9-10, and Dec. 16 to Apr. 12, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft^3/s, Apr. 30, 1973, gage height, 12.43 ft; minimum discharge, 34 ft^3/s, Aug. 29, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,810 ft^3/s, Apr. 27, gage height, 8.10 ft; minimum discharge, 82 ft^3/s, Oct. 14-16, gage height, 2.11 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	124	258	948	e612	e266	e269	e692	7,480	2,010	809	1,530	1,350
2	121	255	944	e621	e291	e264	e826	7,440	2,010	812	1,600	1,260
3	112	250	926	e597	e329	e269	e921	7,260	1,970	860	1,570	1,170
4	110	249	e914	e572	e358	e261	e996	7,010	1,900	912	1,560	1,110
5	118	252	e882	e560	e375	e264	e1,050	6,770	1,830	919	2,180	1,040
6	101	259	847	e543	e372	e264	e1,060	6,530	1,920	895	2,920	969
7	101	258	825	e526	e365	e261	e1,060	6,800	1,970	862	3,500	906
8	93	255	801	e504	e351	e266	e1,020	6,680	1,960	846	3,820	846
9	85	258	e770	e491	e337	e264	e977	6,450	1,960	802	4,520	797
10	89	256	e747	e478	e323	e266	e930	6,230	1,920	746	4,960	748
11	90	278	718	e463	e310	e271	e1,020	6,040	1,890	726	6,070	710
12	87	316	692	e454	e301	e266	e1,180	5,820	1,860	716	6,300	673
13	89	336	672	e439	e293	e261	1,360	5,610	1,800	724	6,160	645
14	93	358	658	e424	e286	e261	1,470	5,410	1,770	683	5,750	614
15	85	377	682	e417	e279	e269	1,640	5,170	1,760	656	5,300	590
16	84	377	e687	e408	e273	e266	1,880	4,870	1,720	634	4,880	579
17	138	385	e663	e400	e277	e266	2,000	4,570	1,670	609	4,510	583
18	176	426	e655	e391	e274	e264	2,160	4,260	1,610	574	4,060	556
19	162	460	e643	e379	e269	e261	2,330	3,980	1,550	545	3,700	530
20	176	478	e640	e367	e275	e273	2,560	3,740	1,470	518	3,380	520
21	184	481	e667	e360	e271	e290	2,920	3,480	1,390	507	3,130	508
22	186	501	e666	e350	e266	e295	3,670	3,250	1,310	581	2,870	488
23	191	698	e659	e334	e281	e284	5,030	3,050	1,240	651	2,610	481
24	200	778	e655	e324	e297	e273	6,380	2,840	1,180	795	2,410	479
25	209	846	e651	e314	e293	e266	7,070	2,670	1,110	1,020	2,230	465
26	219	895	e645	e304	e288	e261	7,360	2,490	1,050	1,060	2,070	433
27	247	926	e637	e293	e281	e271	7,690	2,340	983	1,200	1,950	422
28	267	924	e631	e296	e275	e315	7,730	2,210	916	1,260	1,790	557
29	258	930	e625	e298	---	e376	7,670	2,130	861	1,280	1,670	2,060
30	254	943	e619	e288	---	e457	7,610	2,060	846	1,350	1,570	1,810
31	257	---	e616	e278	---	e557	---	2,060	---	1,510	1,460	---
TOTAL	4,706	14,263	22,385	13,085	8,456	8,951	90,262	146,700	47,436	26,062	102,030	23,899
MEAN	152	475	722	422	302	289	3,009	4,732	1,581	841	3,291	797
MAX	267	943	948	621	375	557	7,730	7,480	2,010	1,510	6,300	2,060
MIN	84	249	616	278	266	261	692	2,060	846	507	1,460	422
CFSM	0.17	0.54	0.83	0.48	0.35	0.33	3.45	5.42	1.81	0.96	3.77	0.91
IN.	0.20	0.61	0.95	0.56	0.36	0.38	3.85	6.25	2.02	1.11	4.35	1.02

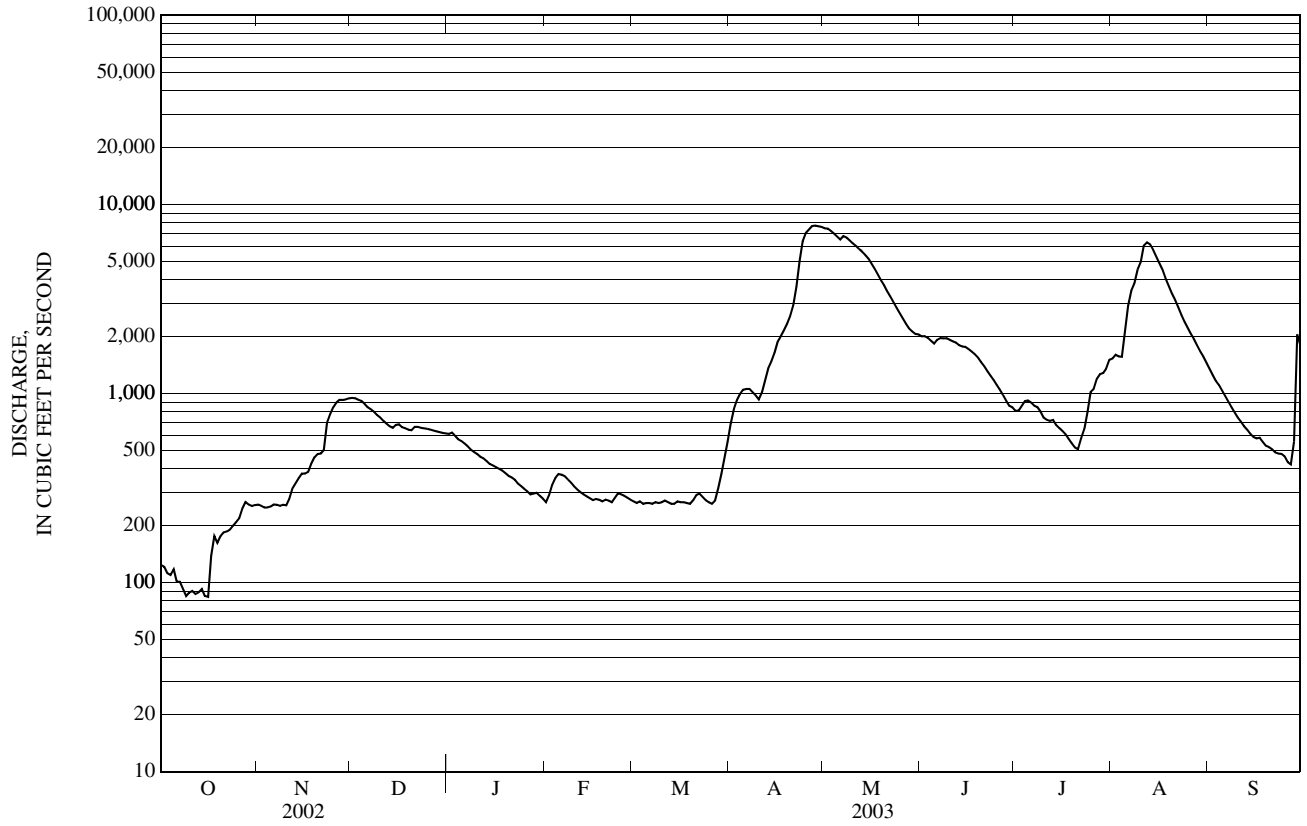
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	744	1,166	1,055	620	494	574	3,135	5,082	1,774	948	701	569
MAX	2,776	4,116	4,688	1,891	1,750	3,104	7,495	8,951	3,696	3,075	3,571	2,492
(WY)	(1991)	(1964)	(1951)	(1958)	(1996)	(1936)	(1953)	(1969)	(1961)	(1954)	(1954)	(1963)
MIN	63.1	98.2	103	149	116	107	390	1,327	652	294	112	51.7
(WY)	(1906)	(1906)	(1956)	(1904)	(1904)	(1944)	(1944)	(1987)	(1988)	(1965)	(1968)	(1968)

e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	362,411		508,235			
ANNUAL MEAN	993		1,392		1,413	
HIGHEST ANNUAL MEAN					2,175	1973
LOWEST ANNUAL MEAN					773	1965
HIGHEST DAILY MEAN	7,230	Apr 20	7,730	Apr 28	15,600	Apr 30, 1973
LOWEST DAILY MEAN	84	Sep 10	84	Oct 16	42	Oct 4, 1995
ANNUAL SEVEN-DAY MINIMUM	88	Oct 10	88	Oct 10	44	Oct 1, 1995
MAXIMUM PEAK FLOW			7,810	Apr 27	15,800	Apr 30, 1973
MAXIMUM PEAK STAGE			8.10	Apr 27	12.43	Apr 30, 1973
INSTANTANEOUS LOW FLOW			82	Oct 14	34	Aug 29, 1968
ANNUAL RUNOFF (CFSM)	1.14		1.59		1.62	
ANNUAL RUNOFF (INCHES)	15.44		21.66		21.99	
10 PERCENT EXCEEDS	2,850		4,010		3,580	
50 PERCENT EXCEEDS	403		666		720	
90 PERCENT EXCEEDS	132		258		225	



01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME

(International gaging station)

LOCATION.--Lat 47°15'27", long 68°35'35", Aroostook County, Hydrologic Unit 01010001, on right bank at Fort Kent and 0.2 miles downstream from Fish River.

DRAINAGE AREA.--5,665 mi^2, not including 249 mi^2 drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--
DISCHARGE: October 1926 to current year. Prior to October 1931, published as "at Fort Kent."

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

GAGE.--Water-stage recorder. Datum of gage is 488.81 ft above National Geodetic Vertical Datum of 1929. Prior to October 10, 1933, nonrecording gage, and August 23, 2001 to November 4, 2002, water-stage recorder on left bank at Clair, New Brunswick, Canada at same datum.

REMARKS.--Records good, including periods of no gage-height record, Oct. 3, 6, and periods of doubtful gage-height record, June 3-4, June 30 to July 2, July 16-21, Aug. 6-7, and Sept. 18, except for periods of ice effect, Nov. 2-5, 7-8, and Nov. 18 to Apr. 18, which are fair. Telephone and satellite gage-height telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft^3/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily discharge, 510 ft^3/s, Mar. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 25	0515	*62,100	*17.28

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 633 ft^3/s, Oct. 13, 16, gage height, 0.74 ft.

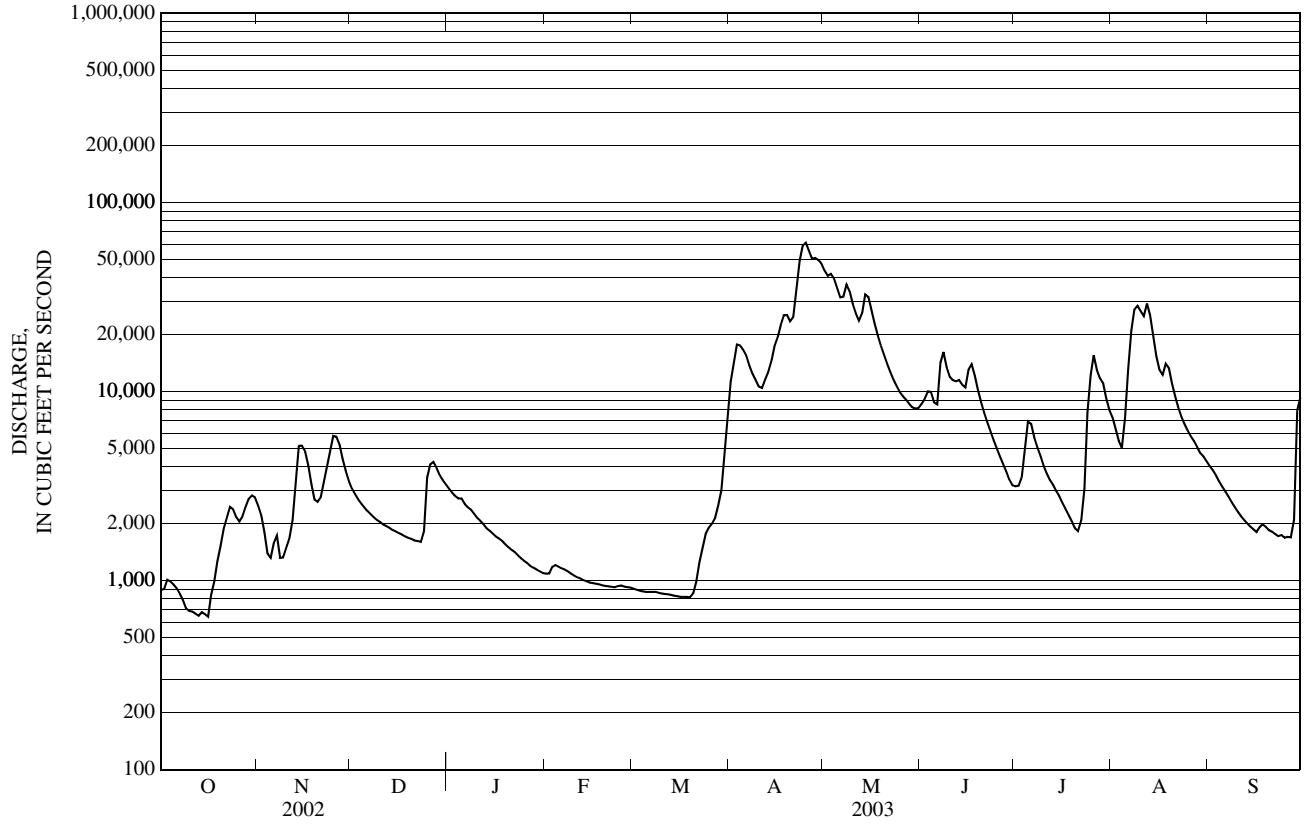
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	894	2,490	e3,060	e3,060	e1,090	e906	e11,300	43,600	8,590	e3,150	7,290	4,050
2	902	e2,220	e2,860	e2,920	e1,090	e894	e14,200	41,000	9,150	e3,180	6,340	3,850
3	e1,010	e1,800	e2,680	e2,800	e1,180	e883	e17,700	42,000	e10,000	3,510	5,480	3,620
4	990	e1,390	e2,550	e2,720	e1,210	e877	e17,500	39,600	e9,940	5,050	5,050	3,360
5	950	e1,320	e2,430	e2,720	e1,180	e872	e16,600	35,300	8,750	6,940	7,300	3,160
6	e910	1,570	e2,330	e2,550	e1,160	e872	e15,500	31,500	8,550	6,740	e13,000	2,970
7	850	e1,730	e2,240	e2,440	e1,140	e872	e13,700	31,700	14,200	5,700	e21,000	2,790
8	788	e1,320	e2,160	e2,370	e1,120	e872	e12,400	36,800	16,200	5,080	27,100	2,610
9	712	1,320	e2,090	e2,260	e1,090	e861	e11,500	33,900	13,400	4,550	28,400	2,460
10	691	1,490	e2,040	e2,150	e1,060	e855	e10,600	29,100	12,000	4,060	26,600	2,320
11	686	1,670	e1,980	e2,070	e1,040	e850	e10,400	25,900	11,500	3,680	25,100	2,190
12	669	2,090	e1,940	e1,990	e1,030	e845	e11,500	23,700	11,300	3,410	29,200	2,100
13	652	3,130	e1,900	e1,890	e1,000	e840	e12,700	26,000	11,500	3,210	25,400	2,010
14	681	5,170	e1,850	e1,840	e990	e832	e14,400	32,600	10,800	2,980	19,600	1,930
15	665	5,170	e1,820	e1,770	e976	e826	e17,300	31,600	10,500	2,800	15,400	1,870
16	644	4,820	e1,780	e1,710	e969	e821	e19,300	27,000	13,100	e2,570	13,000	1,810
17	841	4,070	e1,750	e1,670	e962	e821	e22,400	22,800	14,000	e2,400	12,300	1,920
18	996	e3,260	e1,710	e1,620	e956	e821	e25,300	19,800	12,100	e2,220	14,000	e1,980
19	1,270	e2,680	e1,680	e1,560	e943	e816	25,400	17,500	10,200	e2,060	13,300	1,920
20	1,530	e2,610	e1,660	e1,500	e937	e855	23,500	15,700	8,810	e1,890	11,100	1,840
21	1,870	e2,760	e1,630	e1,460	e933	e987	24,700	14,100	7,710	e1,830	9,440	1,810
22	2,140	e3,360	e1,620	e1,410	e927	e1,250	34,700	12,700	6,890	2,070	8,280	1,760
23	2,450	e4,080	e1,600	e1,360	e921	e1,480	49,000	11,600	6,190	3,070	7,370	1,720
24	2,380	e4,880	e1,810	e1,310	e936	e1,770	59,000	10,700	5,560	7,790	6,750	1,740
25	2,170	e5,830	e3,510	e1,270	e942	e1,900	61,300	9,970	5,030	12,200	6,220	1,690
26	2,050	e5,770	e4,110	e1,240	e930	e2,000	55,800	9,450	4,570	15,600	5,800	1,700
27	2,190	e5,260	e4,240	e1,190	e924	e2,130	50,300	9,070	4,170	13,000	5,480	1,690
28	2,450	e4,390	e3,950	e1,170	e918	e2,490	50,900	8,630	3,790	11,800	5,100	2,100
29	2,710	e3,820	e3,620	e1,140	---	e3,010	49,700	8,260	3,430	11,100	4,740	7,950
30	2,820	e3,360	e3,400	e1,120	---	e4,800	47,600	8,110	e3,190	9,230	4,550	9,290
31	2,760	---	e3,230	e1,100	---	e7,700	---	8,180	---	7,980	4,300	---
TOTAL	43,321	94,830	75,230	57,380	28,554	46,608	806,200	717,870	275,120	170,850	393,990	82,210
MEAN	1,397	3,161	2,427	1,851	1,020	1,503	26,870	23,160	9,171	5,511	12,710	2,740
MAX	2,820	5,830	4,240	3,060	1,210	7,700	61,300	43,600	16,200	15,600	29,200	9,290
MIN	644	1,320	1,600	1,100	918	816	10,400	8,110	3,190	1,830	4,300	1,690
CFSM	0.25	0.56	0.43	0.33	0.18	0.27	4.74	4.09	1.62	0.97	2.24	0.48
IN.	0.28	0.62	0.49	0.38	0.19	0.31	5.29	4.71	1.81	1.12	2.59	0.54
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2003, BY WATER YEAR (WY)												
MEAN	6,501	8,432	5,695	3,260	2,540	3,595	25,310	33,300	10,520	6,365	5,123	4,685
MAX	19,840	24,220	22,900	8,093	12,010	23,590	49,210	68,160	21,800	17,250	24,640	14,700
(WY)	(1991)	(1928)	(1951)	(1995)	(1996)	(1936)	(1983)	(1974)	(1947)	(1984)	(1981)	(1954)
MIN	1,116	1,367	1,232	871	562	669	3,298	6,464	3,374	2,077	910	893
(WY)	(1969)	(1948)	(1956)	(1948)	(1948)	(1944)	(1944)	(1987)	(1998)	(1991)	(1968)	(2002)

e Estimated

01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1927 - 2003	
ANNUAL TOTAL	2,505,069		2,792,163			
ANNUAL MEAN	6,863		7,650		9,635	
HIGHEST ANNUAL MEAN					14,100	1928
LOWEST ANNUAL MEAN					5,667	1965
HIGHEST DAILY MEAN	85,300	Apr 19	61,300	Apr 25	146,000	Apr 30, 1979
LOWEST DAILY MEAN	547	Sep 8	644	Oct 16	510	Mar 13, 1948
ANNUAL SEVEN-DAY MINIMUM	588	Sep 4	670	Oct 10	513	Mar 9, 1948
MAXIMUM PEAK FLOW			62,100	Apr 25	151,000	Apr 30, 1979
MAXIMUM PEAK STAGE			17.28	Apr 25	27.31	Apr 30, 1979
INSTANTANEOUS LOW FLOW			633	Oct 13		
ANNUAL RUNOFF (CFSM)	1.21		1.35		1.70	
ANNUAL RUNOFF (INCHES)	16.45		18.34		23.11	
10 PERCENT EXCEEDS	17,900		22,600		22,900	
50 PERCENT EXCEEDS	2,490		2,820		4,570	
90 PERCENT EXCEEDS	955		923		1,490	



01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

LOCATION.--Lat 46°31'21", long 68°22'23", Aroostook County, Hydrologic Unit 01010004, on left bank, 180 ft upstream from highway bridge, and 1.8 mi downstream from St. Croix Stream and Masardis.

DRAINAGE AREA.--892 mi^2.

PERIOD OF RECORD.--
DISCHARGE: September 1957 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 530.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 7-9 and Nov. 28 to Apr. 21, and periods of no gage-height record, Oct. 9, 16, and Oct. 19 to Nov. 4, which are fair. Slight regulation by Millinocket Lake, capacity 1.11 billion ft^3, used for power. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,100 ft^3/s, Apr. 19, 1983, gage height, 17.70 ft; maximum gage height, 18.00 ft, Apr. 18, 1994 (backwater from ice); minimum discharge, 41 ft^3/s, Sept. 26-27, 1968, gage height, 1.89 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,500 ft^3/s, Apr. 25, gage height, 13.61 ft; minimum discharge, 122 ft^3/s, Sept. 23-24, gage height, 2.70 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	237	e435	e735	e1,090	e291	e181	e1,940	7,090	1,240	481	441	260
2	220	e381	e665	e1,090	e314	e174	e2,240	6,790	1,530	492	400	237
3	202	e357	e607	e978	e342	e170	e2,380	6,910	1,780	496	373	220
4	190	e349	e563	e897	e360	e165	e2,500	6,350	1,550	534	396	207
5	182	350	e525	e830	e347	e162	e2,470	5,460	1,240	678	1,020	200
6	178	318	e493	e783	e330	e159	e2,410	4,750	1,730	797	1,660	192
7	168	e269	e471	e734	e313	e156	e2,270	4,580	3,260	670	1,760	183
8	159	e292	e451	e683	e301	e153	e2,110	4,660	3,110	539	1,690	175
9	e147	e328	e433	e643	e291	e152	e1,990	4,160	2,520	460	1,380	166
10	148	328	e420	e602	e279	e150	e1,890	3,600	2,150	410	1,140	158
11	151	318	e408	e576	e267	e148	e1,960	3,230	1,880	362	1,320	151
12	147	439	e395	e550	e257	e146	e2,260	3,030	1,770	352	1,520	146
13	144	712	e382	e527	e248	e144	e2,660	3,270	1,610	355	1,320	140
14	150	1,040	e372	e506	e241	e143	e3,110	3,320	1,500	340	1,040	137
15	162	1,120	e362	e493	e232	e142	e3,730	3,070	1,930	315	803	133
16	e159	1,000	e354	e472	e226	e141	e4,650	2,700	2,110	288	665	133
17	191	790	e350	e460	e220	e140	e5,650	2,360	1,930	264	747	137
18	313	562	e345	e441	e214	e139	e6,900	2,090	1,630	245	766	144
19	e450	758	e342	e430	e207	e138	e6,480	1,870	1,360	228	656	135
20	e652	807	e340	e412	e206	e144	e4,910	1,670	1,180	210	557	131
21	e812	754	e689	e401	e202	e164	e4,750	1,490	1,020	203	480	133
22	e788	735	e1,420	e388	e199	e191	6,780	1,350	879	219	432	129
23	e674	1,260	e2,310	e372	e205	e238	9,530	1,240	771	318	385	125
24	e591	2,060	e2,420	e360	e213	e308	11,700	1,160	699	393	350	127
25	e527	2,340	e2,200	e347	e214	e400	12,200	1,100	631	558	320	132
26	e485	2,070	e1,970	e336	e208	e522	10,800	1,060	562	810	290	134
27	e456	1,580	e1,730	e329	e200	e655	9,290	1,000	512	770	305	131
28	e454	e1,210	e1,510	e321	e189	e848	8,750	926	539	698	352	149
29	e485	e994	e1,340	e309	---	e1,050	8,370	867	547	615	345	898
30	e485	e833	e1,220	e302	---	e1,390	7,970	861	480	508	314	2,150
31	e462	---	e1,120	e295	---	e1,680	---	1,010	---	467	282	---
TOTAL	10,569	24,789	26,942	16,957	7,116	10,493	154,650	93,024	43,650	14,075	23,509	7,493
MEAN	341	826	869	547	254	338	5,155	3,001	1,455	454	758	250
MAX	812	2,340	2,420	1,090	360	1,680	12,200	7,090	3,260	810	1,760	2,150
MIN	144	269	340	295	189	138	1,890	861	480	203	282	125
CFSM	0.38	0.93	0.97	0.61	0.28	0.38	5.78	3.36	1.63	0.51	0.85	0.28
IN.	0.44	1.03	1.12	0.71	0.30	0.44	6.45	3.88	1.82	0.59	0.98	0.31

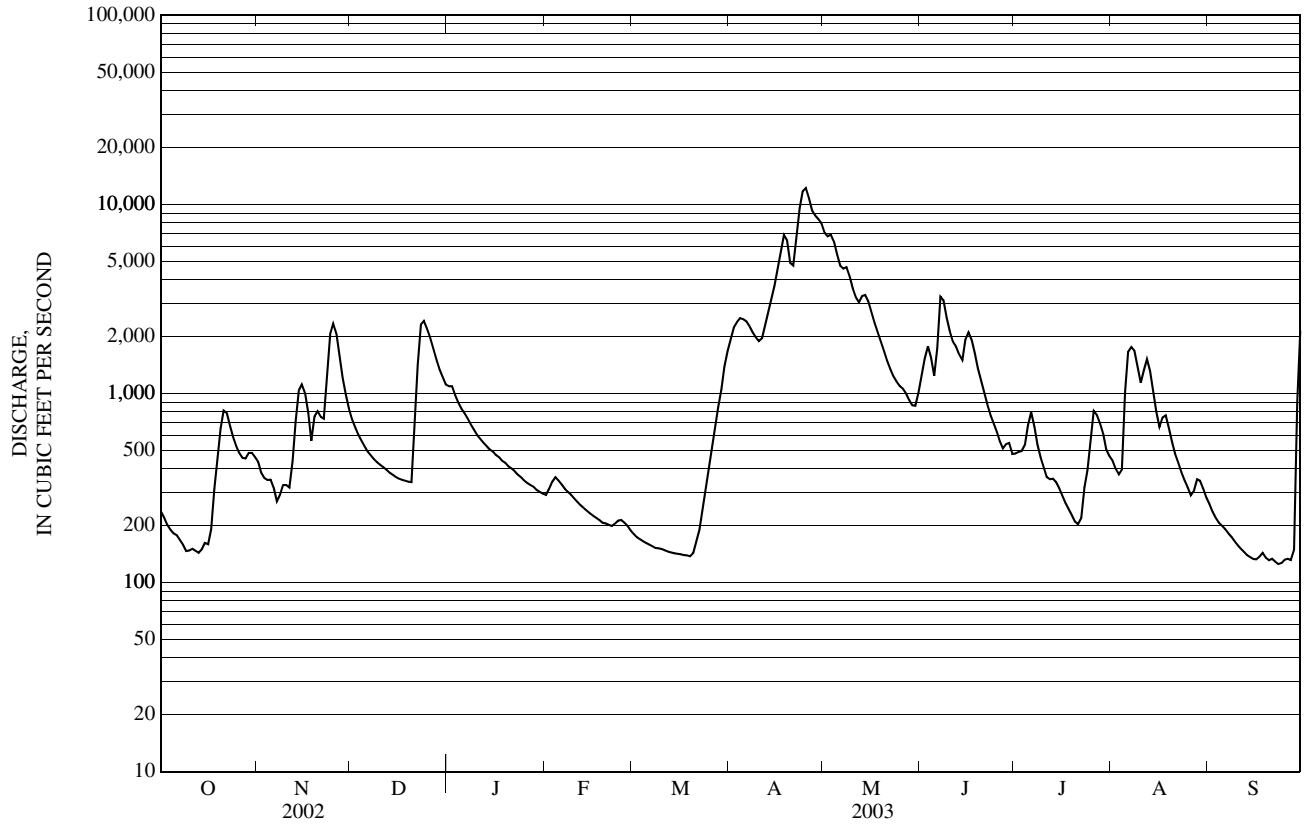
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

MEAN	995	1,384	1,032	606	596	809	4,580	4,331	1,290	691	596	648
MAX	4,451	5,212	2,823	1,576	2,085	3,749	10,380	11,250	3,591	2,089	2,380	2,939
(WY)	(1982)	(1964)	(1958)	(1996)	(1996)	(1979)	(1976)	(1961)	(1984)	(1962)	(1981)	(1999)
MIN	201	292	242	257	181	198	1,055	1,061	301	77.5	79.5	61.5
(WY)	(1969)	(2002)	(1998)	(1982)	(2002)	(1993)	(1967)	(1987)	(1988)	(1991)	(1968)	(1995)

e Estimated

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003	
ANNUAL TOTAL	421,816		433,267			
ANNUAL MEAN	1,156		1,187		1,464	
HIGHEST ANNUAL MEAN					2,133	1976
LOWEST ANNUAL MEAN					818	1985
HIGHEST DAILY MEAN	12,800	Apr 19	12,200	Apr 25	22,100	Apr 19, 1983
LOWEST DAILY MEAN	84	Sep 3	125	Sep 23	42	Sep 27, 1968
ANNUAL SEVEN-DAY MINIMUM	93	Aug 28	130	Sep 20	44	Sep 26, 1968
MAXIMUM PEAK FLOW			12,500	Apr 25	23,100	Apr 19, 1983
MAXIMUM PEAK STAGE			13.61	Apr 25	18.00	Apr 18, 1994
INSTANTANEOUS LOW FLOW			122	Sep 23	41	Sep 26, 1968
ANNUAL RUNOFF (CFSM)	1.30		1.33		1.64	
ANNUAL RUNOFF (INCHES)	17.59		18.07		22.30	
10 PERCENT EXCEEDS	2,670		2,580		3,640	
50 PERCENT EXCEEDS	485		492		645	
90 PERCENT EXCEEDS	165		153		215	



01017000 AROOSTOOK RIVER AT WASHBURN, ME

LOCATION.--Lat 46°46'36", long 68°09'29", Aroostook County, Hydrologic Unit 01010004, on right bank at Bangor and Aroostook Railroad bridge, 0.1 mi downstream from Salmon Brook, and 1.0 mi south of railroad station at Washburn.

DRAINAGE AREA.--1,654 mi^2.

PERIOD OF RECORD.--
DISCHARGE: August 1930 to current year.
CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 951: 1935. WSP 1301: 1933-50 (adjusted monthly runoff). WDR ME-82- 1: Drainage area. WDR ME-97-1: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 436.40 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, at datum 2.0 ft higher.

REMARKS.--Records good, except for periods of ice effect, Nov. 1-12 and Nov. 17 to Apr. 22, which are fair. Considerable regulation by Squa Pan Lake, capacity 2.893 billion ft^3, used for power. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,400 ft^3/s, Apr. 19, 1983, gage height, 13.73 ft; maximum gage height, 20.91 ft, Dec. 24, 1973 (backwater from ice); minimum daily discharge, 75 ft^3/s, Feb. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,400 ft^3/s, Apr. 25, gage height, 9.91 ft; maximum gage height, 14.06 ft, Apr. 19 (backwater from ice); minimum daily discharge, 222 ft^3/s, Oct. 9-10.

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	349	e642	e1,160	e1,940	e783	e457	e3,880	13,700	2,060	939	1,380	533
2	331	e556	e1,040	e1,920	e629	e442	e4,310	13,000	2,610	938	1,200	491
3	299	e486	e953	e2,140	e733	e325	e4,570	12,900	3,100	1,140	1,050	447
4	281	e472	e889	e2,050	e845	e318	e4,710	12,000	2,790	1,470	944	416
5	276	e468	e846	e1,940	e845	e314	e4,850	10,500	2,280	1,640	1,910	402
6	252	e433	e800	e1,840	e800	e311	e4,640	9,180	2,900	1,680	4,940	395
7	249	e368	e756	e1,740	e783	e307	e4,330	9,040	5,600	1,460	5,990	377
8	236	e390	e733	e1,650	e757	e301	e3,990	9,500	5,710	1,180	5,650	356
9	222	e421	e703	e1,580	e733	e297	e3,650	8,530	4,770	1,110	5,840	339
10	222	e421	e686	e1,420	e709	e294	e3,440	7,420	4,060	952	6,720	308
11	226	e409	e668	e1,260	e686	e288	e3,390	6,700	3,980	792	7,100	273
12	226	e680	e656	e1,140	e663	e282	e4,120	6,190	3,230	723	6,050	262
13	223	1,050	e639	e1,060	e656	e279	e5,080	6,510	2,950	698	4,640	252
14	231	1,530	e632	e978	e635	e275	e5,980	6,630	2,690	684	3,560	242
15	234	1,800	e620	e926	e621	e272	e7,490	6,250	3,240	642	2,710	236
16	248	1,710	e608	e896	e607	e269	e9,100	5,510	3,680	577	2,190	232
17	330	e1,410	e597	e1,190	e581	e267	e10,700	4,790	3,480	524	2,380	240
18	535	e1,000	e590	e1,140	e569	e261	e12,300	4,180	2,950	472	2,190	263
19	746	e1,040	e579	e1,120	e550	e258	e11,700	3,710	2,450	430	1,840	259
20	1,030	e1,220	e568	e1,100	e531	e255	e8,920	3,280	2,080	402	1,510	249
21	1,350	e1,110	e1,110	e1,060	e521	e278	e8,320	2,890	1,800	375	1,290	250
22	1,350	e1,020	e2,270	e1,030	e504	e331	e12,600	2,600	1,550	456	1,120	244
23	1,180	e1,810	e4,120	e1,010	e510	e411	18,500	2,360	1,340	1,010	970	240
24	1,010	e3,160	e4,350	e974	e538	e507	22,400	2,190	1,190	1,370	886	241
25	866	e3,480	e3,980	e943	e563	e668	22,800	2,050	1,070	2,240	805	241
26	769	e3,120	e3,500	e922	e544	e881	20,600	1,960	948	2,600	724	242
27	720	e2,510	e3,100	e902	e521	e1,220	18,300	1,830	865	2,660	698	239
28	732	e1,920	e2,690	e873	e442	e1,650	16,800	1,700	894	2,470	696	279
29	770	e1,500	e2,410	e854	---	e2,160	15,800	1,590	1,060	2,040	698	1,790
30	768	e1,280	e2,190	e827	---	e2,750	15,200	1,570	976	1,640	647	5,220
31	719	---	e2,010	e809	---	e3,330	---	1,690	---	1,550	582	---
TOTAL	16,980	37,416	46,453	39,234	17,859	20,258	292,470	181,950	78,303	36,864	78,910	15,558
MEAN	548	1,247	1,498	1,266	638	653	9,749	5,869	2,610	1,189	2,545	519
MAX	1,350	3,480	4,350	2,140	845	3,330	22,800	13,700	5,710	2,660	7,100	5,220
MIN	222	368	568	809	442	255	3,390	1,570	865	375	582	232

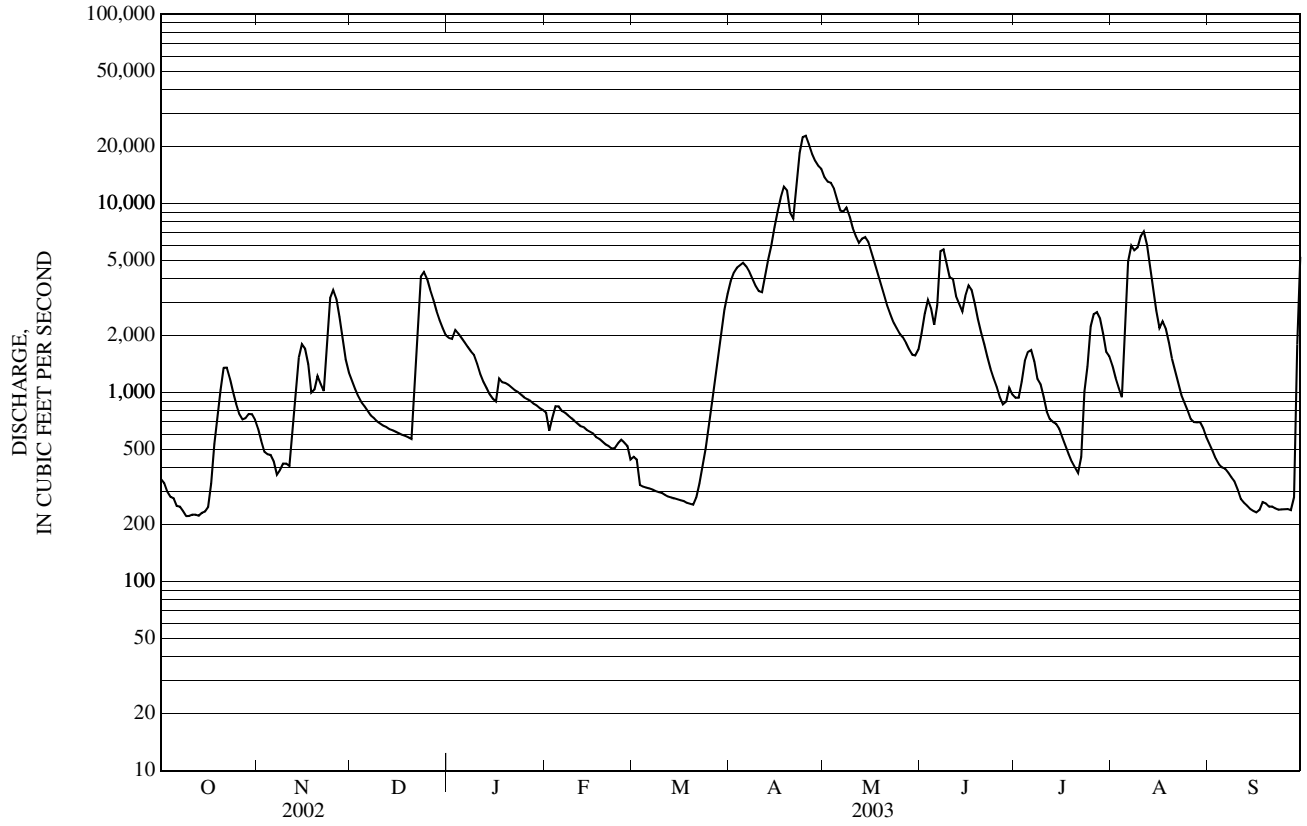
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	1,706	2,468	1,849	1,085	1,043	1,490	8,264	7,806	2,456	1,372	1,027	1,103
MAX	8,098	9,767	7,975	2,893	3,864	10,440	16,990	20,350	6,928	5,882	5,728	5,321
(WY)	(1982)	(1964)	(1951)	(1996)	(1996)	(1936)	(1976)	(1961)	(1984)	(1954)	(1981)	(1999)
MIN	265	218	175	167	101	324	1,468	1,775	634	189	152	106
(WY)	(1956)	(1956)	(1956)	(1948)	(1948)	(1948)	(1944)	(1987)	(1988)	(1991)	(1968)	(1995)

e Estimated

01017000 AROOSTOOK RIVER AT WASHBURN, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	741,479		862,255			
ANNUAL MEAN	2,031		2,362		2,642	
HIGHEST ANNUAL MEAN					4,145	1954
LOWEST ANNUAL MEAN					1,409	1957
HIGHEST DAILY MEAN	22,200	Apr 19	22,800	Apr 25	42,500	Apr 19, 1983
LOWEST DAILY MEAN	133	Sep 3	222	Oct 9	75	Feb 13, 1948
ANNUAL SEVEN-DAY MINIMUM	145	Aug 28	226	Oct 9	78	Feb 9, 1948
MAXIMUM PEAK FLOW			23,400	Apr 25	43,400	Apr 19, 1983
MAXIMUM PEAK STAGE			14.06	Apr 19	20.91	Dec 24, 1973
10 PERCENT EXCEEDS	4,990		5,900		6,790	
50 PERCENT EXCEEDS	794		1,020		1,160	
90 PERCENT EXCEEDS	251		277		388	



01017550 WILLIAMS BROOK AT PHAIR, ME

LOCATION.--Lat 46°37'37", long 67°57'12" North American Datum of 1983, Aroostook County, Hydrologic Unit 01010005, on right bank at upstream side of Bangor and Aroostook Railroad bridge, 0.1 mi upstream from Phair, and 2.5 mi upstream from Prestile Stream.

DRAINAGE AREA.--3.82 mi^2.

PERIOD OF RECORD.--
DISCHARGE: November 1999 to current year.

GAGE.--Water-stage recorder and concrete weir. Elevation of gage is 580 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for period of ice effect, Dec. 25 to Mar. 22, which is fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 135 ft^3/s, Apr. 23, 2001, gage height, 4.22 ft; minimum discharge, 0.19 ft^3/s, Aug. 16 and 25, 2001, gage height, 1.10 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 23	0000	*82	*3.43

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peaks greater than base discharge.			

Minimum discharge, 0.48 ft^3/s, Sept. 19, gage height, 1.20 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	0.84	0.96	2.8	e2.8	e0.92	e0.87	24	23	6.2	4.5	2.4	1.2
2	0.86	0.96	2.7	e2.4	e1.0	e0.87	28	30	12	4.3	1.8	1.4
3	0.73	0.85	2.5	e2.1	e1.3	e0.90	21	24	6.5	5.8	1.9	1.2
4	0.65	0.76	2.4	e2.0	e1.2	e0.89	15	18	4.3	5.6	2.0	1.3
5	0.70	0.84	2.3	e1.9	e1.3	e0.86	12	17	3.7	4.0	9.3	1.3
6	0.70	0.88	2.5	e1.9	e1.2	e0.85	9.8	13	16	2.5	8.1	1.2
7	0.66	0.96	2.5	e1.8	e1.1	e0.82	8.2	25	9.8	1.7	4.4	1.0
8	0.66	0.83	2.5	e1.8	e1.1	e0.80	7.3	19	5.0	1.5	3.1	0.92
9	0.67	0.85	2.2	e1.7	e1.1	e0.79	6.8	13	4.5	2.2	2.3	0.84
10	0.77	1.1	2.2	e1.6	e1.1	e0.78	6.7	13	4.4	1.6	5.2	0.92
11	0.94	2.8	2.2	e1.6	e1.1	e0.76	7.8	12	4.3	1.3	5.7	1.4
12	0.83	3.1	2.2	e1.5	e1.1	e0.76	13	14	5.7	2.2	3.2	0.93
13	0.80	4.4	2.2	e1.5	e1.0	e0.75	23	13	4.0	1.8	2.1	0.78
14	1.2	3.6	2.4	e1.5	e1.0	e0.74	25	11	5.1	1.4	1.8	0.76
15	0.96	2.5	3.9	e1.5	e1.0	e0.72	26	9.6	5.5	1.2	1.6	0.76
16	0.79	2.1	3.2	e1.4	e1.0	e0.70	31	8.3	4.4	1.1	6.1	0.84
17	2.5	1.5	2.7	e1.3	e0.98	e0.72	28	7.6	3.2	1.0	4.4	0.75
18	2.1	1.9	2.4	e1.2	e0.97	e0.71	21	6.9	2.6	0.95	2.5	0.68
19	1.9	1.8	2.4	e1.2	e0.95	e0.70	21	6.8	2.4	0.90	2.0	0.88
20	4.6	1.7	2.6	e1.1	e0.94	e0.70	31	5.8	2.2	0.86	1.9	2.6
21	2.3	1.8	14	e1.1	e0.92	e1.3	43	5.8	2.0	0.96	1.8	2.8
22	1.6	3.4	8.3	e1.1	e0.94	e2.5	68	5.2	1.9	1.7	1.8	1.5
23	1.3	9.3	5.5	e1.0	e0.96	3.2	66	5.7	2.0	1.5	1.5	1.8
24	1.3	6.2	4.5	e1.0	e0.94	3.4	48	5.0	4.2	2.4	1.5	2.6
25	1.2	4.3	e3.7	e1.0	e0.92	3.3	36	4.7	3.9	2.2	1.5	1.9
26	1.1	3.4	e3.1	e0.98	e0.90	3.5	29	4.5	3.6	2.2	1.4	0.93
27	1.5	3.0	e2.7	e0.96	e0.91	4.8	33	4.4	3.6	4.7	2.4	0.82
28	1.8	2.6	e2.5	e0.93	e0.91	6.1	30	3.9	4.0	2.9	1.8	2.2
29	1.4	2.3	e2.4	e0.91	---	8.5	32	4.6	3.6	1.6	1.6	4.0
30	1.1	2.5	e2.3	e0.91	---	14	27	4.7	4.2	3.2	1.4	3.7
31	0.97	---	e2.4	e0.89	---	19	---	6.7	---	4.7	1.3	---
TOTAL	39.43	73.19	102.2	44.58	28.76	85.29	777.6	345.2	144.8	74.47	89.8	43.91
MEAN	1.27	2.44	3.30	1.44	1.03	2.75	25.9	11.1	4.83	2.40	2.90	1.46
MAX	4.6	9.3	14	2.8	1.3	19	68	30	16	5.8	9.3	4.0
MIN	0.65	0.76	2.2	0.89	0.90	0.70	6.7	3.9	1.9	0.86	1.3	0.68
CFSM	0.33	0.64	0.86	0.38	0.27	0.72	6.79	2.92	1.26	0.63	0.76	0.38
IN.	0.38	0.71	1.00	0.43	0.28	0.83	7.57	3.36	1.41	0.73	0.87	0.43

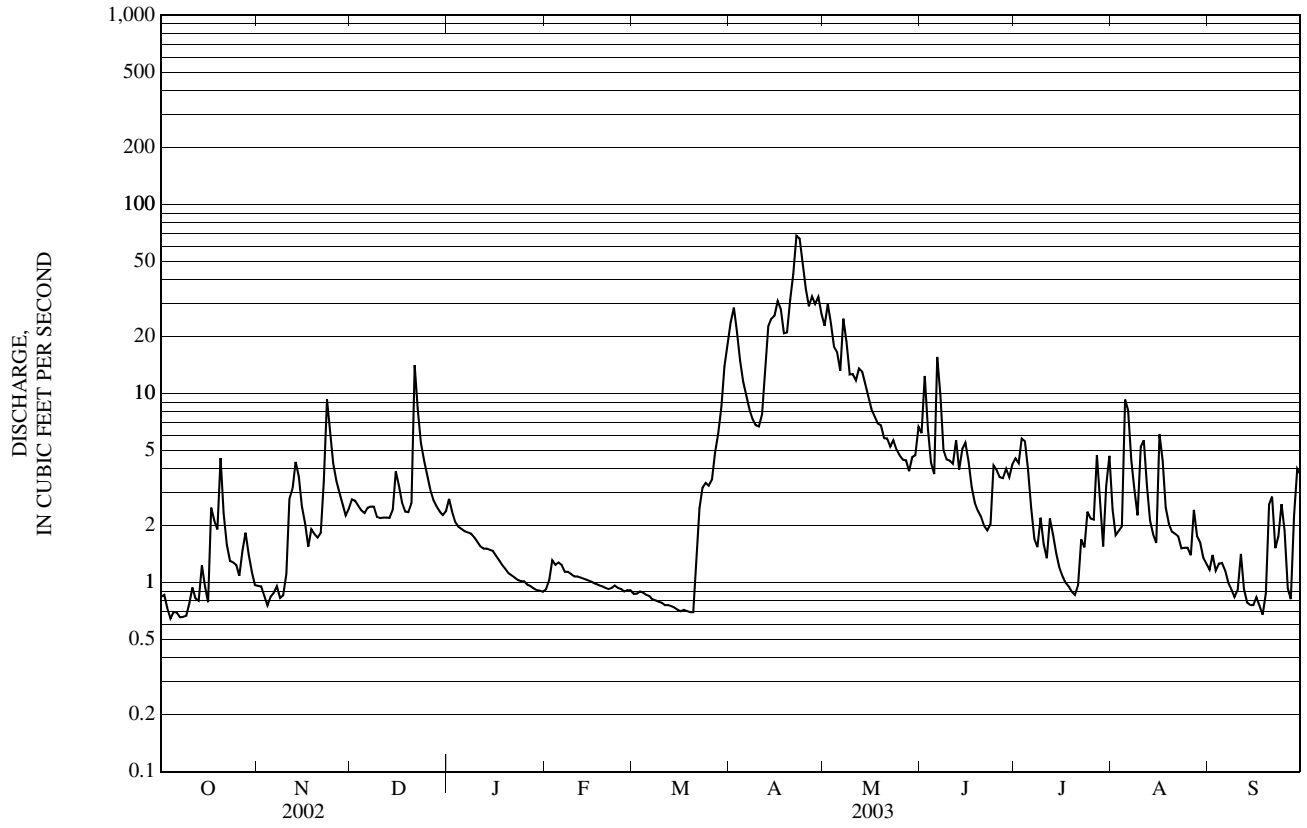
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	1.17	3.50	4.17	1.36	1.00	6.10	24.6	9.01	3.32	2.62	1.38	1.08
MAX	1.27	8.16	8.19	2.33	1.62	16.2	28.3	12.4	4.83	4.57	2.90	1.46
(WY)	(2003)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2003)	(2002)	(2003)	(2003)
MIN	1.08	0.96	1.26	0.41	0.39	0.75	20.3	5.74	2.60	1.46	0.40	0.63
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(2001)	(2002)	(2001)	(2001)	(2000)

e Estimated

01017550 WILLIAMS BROOK AT PHAIR, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	1,601.94		1,849.23			
ANNUAL MEAN	4.39		5.07		4.23	
HIGHEST ANNUAL MEAN					5.07	2003
LOWEST ANNUAL MEAN					3.53	2001
HIGHEST DAILY MEAN	65	Apr 10	68	Apr 22	117	Apr 23, 2001
LOWEST DAILY MEAN	0.32	Jan 9	0.65	Oct 4	0.24	Aug 25, 2001
ANNUAL SEVEN-DAY MINIMUM	0.35	Jan 5	0.68	Oct 3	0.27	Sep 14, 2001
MAXIMUM PEAK FLOW			82	Apr 23	135	Apr 23, 2001
MAXIMUM PEAK STAGE			3.43	Apr 23	4.22	Apr 23, 2001
INSTANTANEOUS LOW FLOW			0.48	Sep 19	0.19	Aug 16, 2001
ANNUAL RUNOFF (CFSM)	1.15		1.33		1.11	
ANNUAL RUNOFF (INCHES)	15.60		18.01		15.04	
10 PERCENT EXCEEDS	8.9		13		8.9	
50 PERCENT EXCEEDS	2.0		2.1		1.4	
90 PERCENT EXCEEDS	0.39		0.84		0.51	



01018500 ST. CROIX RIVER AT VANCEBORO, ME

(International gaging station)

LOCATION.--Lat 45°34'08", long 67°25'47", Washington County, Hydrologic Unit 01050001, on right bank 200 ft downstream from international highway bridge in Vanceboro and 500 ft downstream from outlet of Spednik Lake.

DRAINAGE AREA.--413 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1928 to current year.
CHEMICAL ANALYSES: Water year 1955.

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

GAGE.--Water-stage recorder. Datum of gage is 367.75 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 29, 1999 water stage recorder at site 200 ft upstream at international highway bridge at same datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chiputneticook Lakes, combined usable capacity about 13.20 billion ft^3. Final regulation is at Spednik Lake Dam, 500 ft (corrected) upstream. Telephone and satellite gage-height telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,730 ft^3/s, June 3, 1984, gage height, 11.28 ft; minimum daily discharge, 1.9 ft^3/s, Oct. 12, 22 and Nov. 4, 1936, when flow was held back by cofferdam during repairs to dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,860 ft^3/s, May 3, gage height, 8.20 ft; minimum daily discharge, 222 ft^3/s, Apr. 5.

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

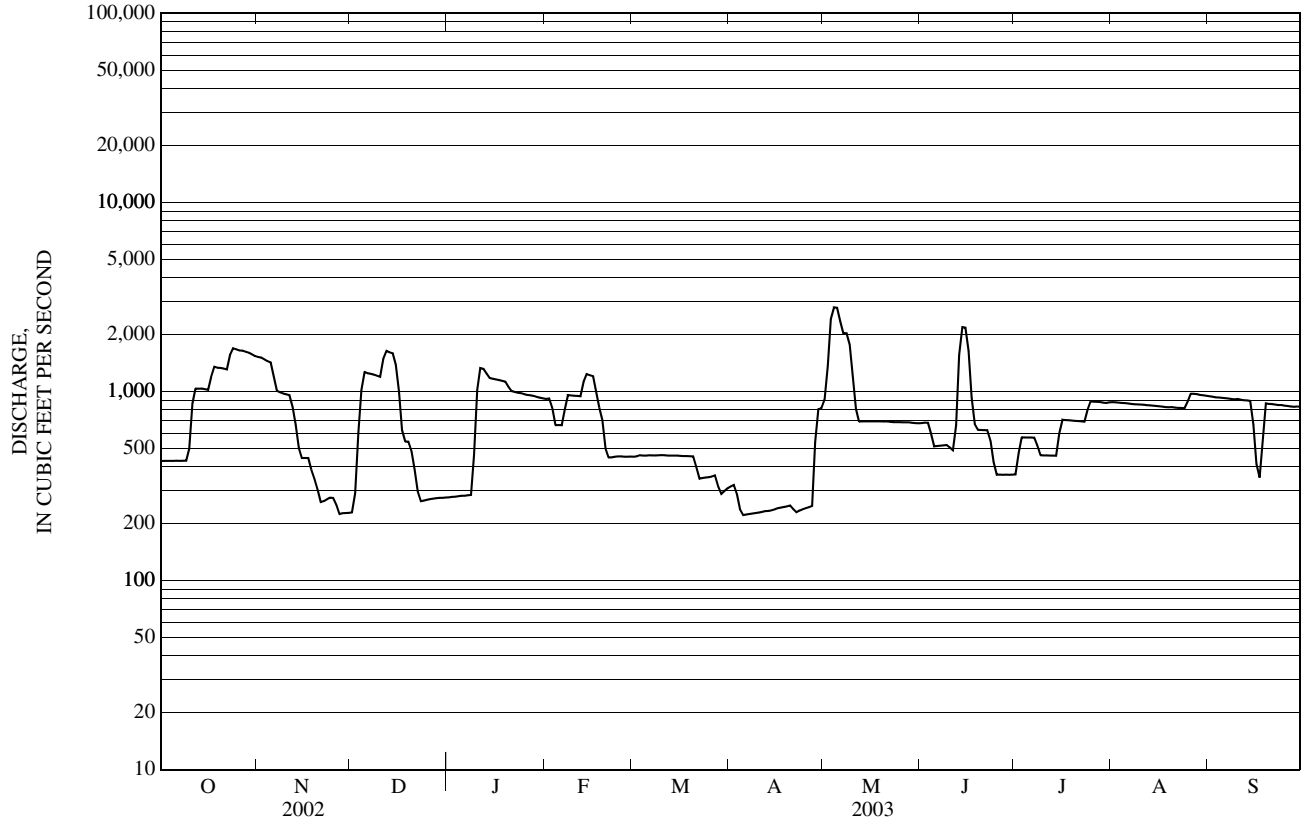
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	1,520	229	276	914	452	314	906	681	364	879	944
2	430	1,510	289	277	918	454	320	1,370	685	473	876	938
3	430	1,480	604	278	821	460	287	2,420	683	572	873	932
4	430	1,450	1,020	279	664	458	237	2,790	600	572	870	930
5	430	1,420	1,270	281	665	458	222	2,770	513	572	868	927
6	431	1,210	1,250	281	664	460	224	2,350	515	572	866	923
7	430	1,010	1,240	283	810	459	225	2,040	517	570	860	920
8	431	989	1,230	284	956	459	226	2,030	519	519	857	914
9	431	976	1,210	462	954	461	228	1,770	521	461	855	909
10	498	967	1,200	1,020	950	461	229	1,190	506	459	853	913
11	865	957	1,490	1,330	948	460	231	810	488	459	851	905
12	1,040	829	1,640	1,320	944	459	233	695	662	459	847	900
13	1,030	670	1,610	1,240	1,130	458	234	696	1,570	458	846	897
14	1,040	503	1,590	1,180	1,230	459	235	696	2,190	458	842	892
15	1,030	445	1,390	1,170	1,220	458	238	696	2,180	602	838	667
16	1,020	445	999	1,160	1,200	457	242	696	1,640	709	835	414
17	1,190	445	625	1,150	995	456	243	695	930	706	832	351
18	1,350	386	545	1,140	821	456	245	696	671	704	827	564
19	1,340	345	543	1,130	707	455	247	695	627	703	826	865
20	1,330	304	485	1,060	499	454	250	694	626	700	827	861
21	1,320	260	385	1,000	448	400	239	695	625	698	823	858
22	1,310	263	297	996	448	346	230	692	624	695	820	853
23	1,560	269	263	986	452	349	234	689	550	693	820	848
24	1,690	275	265	980	454	351	238	688	425	798	813	848
25	1,670	273	268	969	454	353	241	688	364	887	883	841
26	1,650	251	270	960	452	355	244	687	363	883	975	838
27	1,640	225	271	955	452	360	248	687	363	883	972	834
28	1,620	227	273	948	453	315	540	687	363	881	968	831
29	1,600	228	274	937	---	288	807	683	363	874	959	834
30	1,570	228	274	928	---	298	814	681	363	870	956	830
31	1,540	---	275	920	---	308	---	680	---	876	950	---
TOTAL	32,775	20,360	23,574	26,180	21,623	12,877	8,745	34,262	21,727	20,130	26,967	24,981
MEAN	1,057	679	760	845	772	415	292	1,105	724	649	870	833
MAX	1,690	1,520	1,640	1,330	1,230	461	814	2,790	2,190	887	975	944
MIN	429	225	229	276	448	288	222	680	363	364	813	351

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

MEAN	565	467	524	742	836	693	678	976	870	809	764	675
MAX	1,410	1,427	2,572	1,646	3,034	1,879	2,566	2,801	1,746	1,680	1,646	1,530
(WY)	(1974)	(1982)	(1960)	(1955)	(1978)	(1996)	(1976)	(1945)	(1952)	(1984)	(1984)	(1989)
MIN	121	112	152	234	222	192	75.4	193	219	228	301	216
(WY)	(1945)	(1937)	(1936)	(1999)	(1948)	(1948)	(1938)	(1943)	(1985)	(1966)	(1965)	(1966)

01018500 ST. CROIX RIVER AT VANCEBORO, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	186,034		274,201			
ANNUAL MEAN	510		751		716	
HIGHEST ANNUAL MEAN					1,203	1960
LOWEST ANNUAL MEAN					335	1985
HIGHEST DAILY MEAN	1,690	Oct 24	2,790	May 4	6,210	Jun 3, 1984
LOWEST DAILY MEAN	168	Apr 11	222	Apr 5	1.9	Oct 12, 1936
ANNUAL SEVEN-DAY MINIMUM	213	Apr 7	226	Apr 5	2.0	Oct 11, 1936
MAXIMUM PEAK FLOW			2,860	May 3	6,730	Jun 3, 1984
MAXIMUM PEAK STAGE			8.20	May 3	11.28	Jun 3, 1984
10 PERCENT EXCEEDS	1,020		1,320		1,360	
50 PERCENT EXCEEDS	425		695		592	
90 PERCENT EXCEEDS	223		270		225	



01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME

LOCATION.--Lat 45°10'23", long 67°46'06", Washington County, Hydrologic Unit 01050001, on left bank at Big Falls, 0.5 mi southeast of village of Grand Lake Stream, and 0.8 mi downstream from outlet dam of Grand Lake.

DRAINAGE AREA.--227 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1928 to current year. Monthly discharge only for October 1928 published in WSP 1301.
CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-01-1: 1952, 1954, 1955(M), 1958(M), 1960, 1983(M), 1984(M), 1989(M).

GAGE.--Water-stage recorder. Datum of gage is 273.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, including periods of ice effect, Dec. 4-5, 7, 9, 26, 30-31, Jan. 2-3, 21-22, and periods of no gage-height record, Nov. 3-5 and Feb. 14-17. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8.25 billion ft^3. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870 ft^3/s, Apr. 25, 1983, gage height, 6.69 ft; minimum daily discharge, 5 ft^3/s, Dec. 3-6, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 938 ft^3/s, Feb. 13, gage height, 3.73 ft; maximum gage height, 3.88 ft, Dec. 30 (backwater from ice); minimum daily discharge, 124 ft^3/s, Nov. 21.

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	678	150	130	153	407	761	189	148	464	480	342	400
2	673	151	131	e153	409	751	189	153	488	478	342	424
3	669	e150	131	e153	411	756	192	171	604	475	342	440
4	727	e150	e131	162	461	746	194	166	674	474	342	445
5	755	e150	e129	158	521	742	196	165	673	473	342	446
6	748	150	127	156	518	740	197	166	588	473	338	441
7	735	153	e127	157	576	727	199	482	495	470	412	435
8	734	150	126	184	667	720	200	650	495	468	529	432
9	724	150	e129	272	663	708	200	648	495	467	529	392
10	712	150	130	350	659	698	202	523	496	399	526	376
11	701	151	129	384	656	691	203	302	493	353	523	372
12	691	151	129	384	688	683	207	265	492	354	520	335
13	681	154	129	383	816	675	207	266	489	353	516	288
14	684	155	136	382	e927	662	208	266	493	353	458	286
15	669	155	143	382	e913	658	192	266	495	352	384	297
16	572	154	139	382	e894	653	151	266	494	351	381	448
17	437	156	137	381	e881	642	135	265	491	351	381	536
18	334	161	137	381	870	637	135	264	490	351	379	537
19	299	159	137	380	860	630	137	264	490	350	377	511
20	249	144	142	380	842	624	138	266	490	349	375	514
21	201	124	152	e380	829	582	139	267	489	348	374	512
22	165	127	147	e379	819	484	141	266	487	346	372	506
23	158	130	147	378	821	491	144	266	487	347	373	490
24	157	130	147	375	818	473	145	267	486	347	370	495
25	156	130	148	373	806	387	145	269	485	348	405	478
26	156	130	e150	372	791	313	145	260	483	347	423	482
27	157	130	150	372	782	249	148	312	482	346	421	476
28	156	130	151	371	771	179	150	351	482	346	419	476
29	155	130	152	370	---	172	149	352	478	344	410	486
30	153	130	e152	382	---	184	148	403	479	342	409	485
31	150	---	e152	399	---	190	---	462	---	342	404	---
TOTAL	14,236	4,335	4,297	9,868	20,076	17,608	5,125	9,437	15,227	11,977	12,718	13,241
MEAN	459	144	139	318	717	568	171	304	508	386	410	441
MAX	755	161	152	399	927	761	208	650	674	480	529	537
MIN	150	124	126	153	407	172	135	148	464	342	338	286

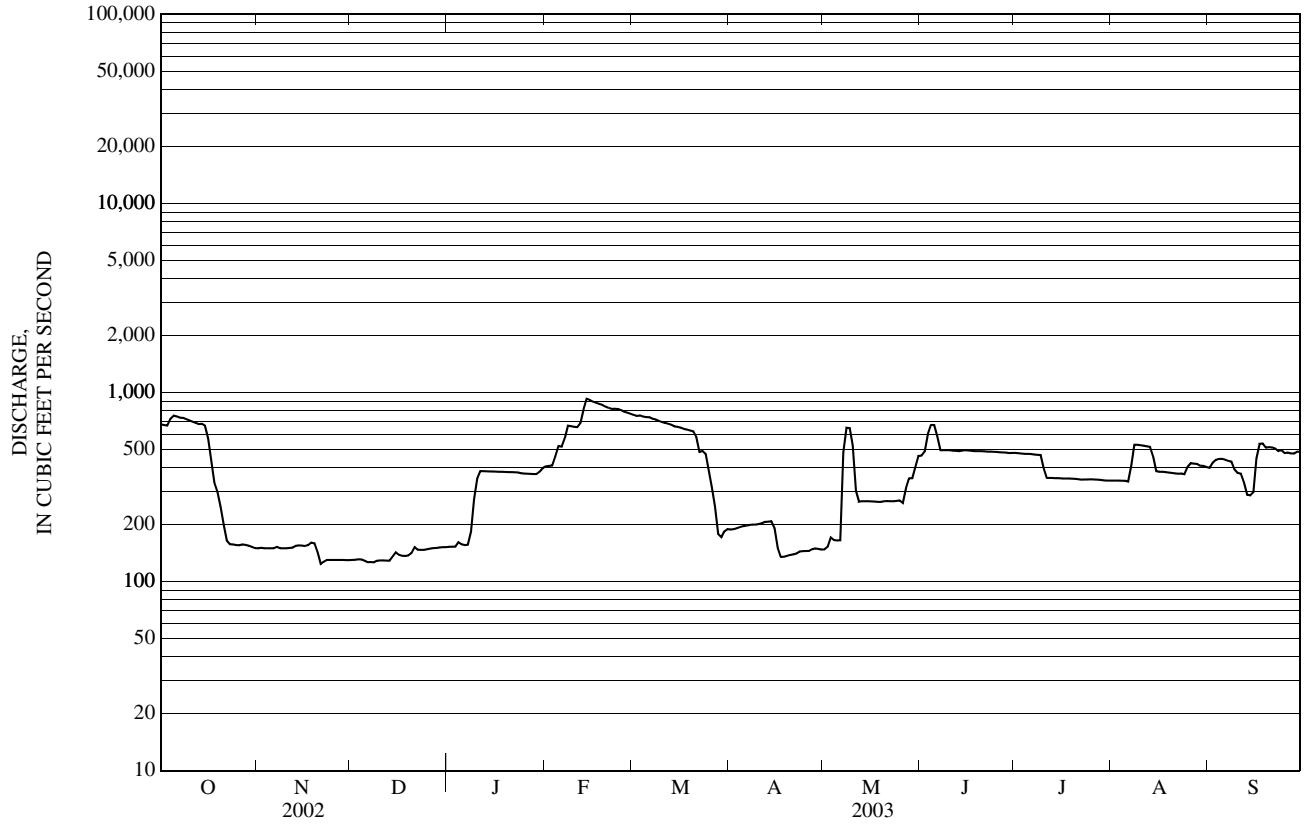
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	341	210	241	359	476	457	335	401	446	421	470	453
MAX	890	666	1,261	1,096	1,330	1,117	1,248	1,127	1,159	843	1,173	933
(WY)	(1948)	(1982)	(1960)	(1970)	(1964)	(1960)	(1936)	(1945)	(1971)	(1959)	(1952)	(1942)
MIN	84.5	39.4	20.3	87.8	47.5	39.4	49.7	17.7	54.9	102	129	103
(WY)	(1950)	(1946)	(1946)	(1932)	(1930)	(1930)	(1931)	(1931)	(1931)	(1942)	(1936)	(1949)

e Estimated

01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	75,955		138,145			
ANNUAL MEAN	208		378		385	
HIGHEST ANNUAL MEAN					697	1960
LOWEST ANNUAL MEAN					178	1931
HIGHEST DAILY MEAN	755	Oct 5	927	Feb 14	2,580	Apr 26, 1983
LOWEST DAILY MEAN	105	Jan 9	124	Nov 21	5.0	Dec 3, 1945
ANNUAL SEVEN-DAY MINIMUM	105	Jan 7	128	Dec 5	6.4	Dec 1, 1945
MAXIMUM PEAK FLOW			938	Feb 13	2,870	Apr 25, 1983
MAXIMUM PEAK STAGE			3.88	Dec 30	6.69	Apr 25, 1983
10 PERCENT EXCEEDS	407		689		806	
50 PERCENT EXCEEDS	152		372		288	
90 PERCENT EXCEEDS	111		144		120	



01021000 ST. CROIX RIVER AT BARING, ME

(International gaging station)

LOCATION.--Lat 45°08'12", long 67°19'05", Washington County, Hydrologic Unit 01050001, on right bank at site of destroyed international highway bridge at Baring.

DRAINAGE AREA.--1,374 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1959 to current year. Records for October 1998 to September 1999, published as St.Croix River at Woodland. Records prior to water year 1974 have not been published, but are available in the files of the U.S. Geological Survey.
CHEMICAL ANALYSES: Water year 1971.
WATER TEMPERATURE: October 1959 to September 1976.

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

GAGE.--Water-stage recorder. Datum of gage is 66.23 ft above National Geodetic Vertical Datum of 1929. July 28, 1999 to Apr. 30, 2000, at site 5.0 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Jan. 3, 12-20, 22-26, 28-30, Feb. 6-18, 26-28, Mar. 4, 7, 10-11, and period of no gage-height record, Feb. 17-18, which are fair. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25 billion ft^3. Final regulation is at Woodland, 5.6 mi upstream from gage. Telephone and satellite gage-height telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft^3/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft^3/s, Oct. 20, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 24,100 ft^3/s at Baring, based on flows for the St. Croix River near Baileyville (station 01020000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,720 ft^3/s, Apr. 1, gage height, 9.46 ft; minimum daily discharge, 919 ft^3/s, July 16.

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	1,630	1,650	2,920	1,880	1,890	2,000	7,870	5,530	2,670	1,000	1,490	1,430
2	1,600	1,500	2,760	1,730	2,340	2,050	8,530	5,300	3,270	1,110	1,560	1,340
3	1,610	1,420	2,430	e1,640	2,220	2,240	8,250	4,870	2,970	989	1,510	1,300
4	1,510	1,490	2,220	1,560	2,240	e2,070	7,450	5,040	2,770	949	1,600	1,560
5	1,480	1,580	3,070	1,790	2,400	2,290	5,990	5,670	2,750	921	1,640	1,810
6	1,450	1,750	2,700	1,760	e2,220	2,240	5,140	5,410	2,770	938	1,820	1,810
7	1,470	1,450	2,200	1,920	e2,260	e2,140	4,970	6,060	2,750	1,090	1,710	1,690
8	1,570	1,740	1,960	1,890	e2,310	2,260	4,150	5,990	2,690	986	1,970	1,440
9	1,540	1,680	2,170	2,400	e2,270	2,340	3,350	5,890	2,360	970	1,780	1,420
10	2,230	1,710	2,020	1,940	e2,220	e2,240	3,260	5,380	2,230	949	1,940	1,390
11	1,850	1,680	2,070	1,660	e2,130	e2,210	3,380	4,340	2,260	949	1,790	1,300
12	1,590	1,660	1,970	e1,800	e2,970	2,030	3,520	3,610	2,360	936	1,930	1,300
13	1,090	1,560	1,970	e1,910	e3,050	1,810	3,760	3,580	2,450	963	1,610	1,460
14	1,080	2,210	2,280	e1,830	e3,210	2,020	4,150	3,250	2,680	980	1,640	1,480
15	1,520	2,580	3,480	e1,820	e1,990	2,040	4,630	3,340	2,790	952	1,660	1,470
16	1,460	2,700	3,360	e1,860	e2,080	2,020	4,850	2,980	2,540	919	1,630	1,270
17	1,140	3,090	3,320	e1,960	e2,130	2,030	5,400	2,920	2,550	969	1,630	1,540
18	1,030	3,550	3,130	e1,930	e2,280	2,310	5,220	2,820	2,780	937	1,540	1,400
19	1,530	3,310	2,880	e1,920	2,160	1,890	5,070	2,640	2,480	935	1,320	1,330
20	2,470	3,140	3,180	e1,760	2,190	1,470	4,890	3,000	2,400	1,110	1,320	1,290
21	2,330	3,280	5,110	1,800	2,080	2,380	4,570	2,570	1,990	938	1,290	1,350
22	2,450	3,360	6,690	e2,010	2,100	2,500	4,490	2,410	1,530	1,150	1,390	1,360
23	2,530	3,620	6,950	e2,020	2,260	3,000	5,670	2,120	1,600	1,500	1,490	1,360
24	2,280	3,630	5,710	e1,780	2,400	2,850	6,740	1,950	1,800	1,490	1,470	1,510
25	2,340	3,730	4,750	e1,670	2,330	2,760	7,090	2,200	1,620	1,500	1,340	1,650
26	2,530	3,330	4,210	e1,690	e2,300	2,990	6,690	2,300	1,290	1,480	1,330	1,600
27	2,550	3,390	3,110	2,040	e2,270	3,410	6,010	2,380	1,100	1,480	1,300	1,580
28	2,240	3,150	2,920	e1,910	e2,100	3,810	5,620	2,340	1,050	1,540	1,300	1,770
29	1,980	2,830	2,850	e1,930	---	3,710	5,690	2,300	1,010	1,490	1,300	1,740
30	1,720	3,080	2,400	e1,930	---	5,190	5,620	2,350	1,010	1,490	1,310	1,670
31	1,730	---	2,050	1,860	---	7,390	---	2,330	---	1,490	1,410	---
TOTAL	55,530	74,850	98,840	57,600	64,400	81,690	162,020	112,870	66,520	35,100	48,020	44,620
MEAN	1,791	2,495	3,188	1,858	2,300	2,635	5,401	3,641	2,217	1,132	1,549	1,487
MAX	2,550	3,730	6,950	2,400	3,210	7,390	8,530	6,060	3,270	1,540	1,970	1,810
MIN	1,030	1,420	1,960	1,560	1,890	1,470	3,260	1,950	1,010	919	1,290	1,270

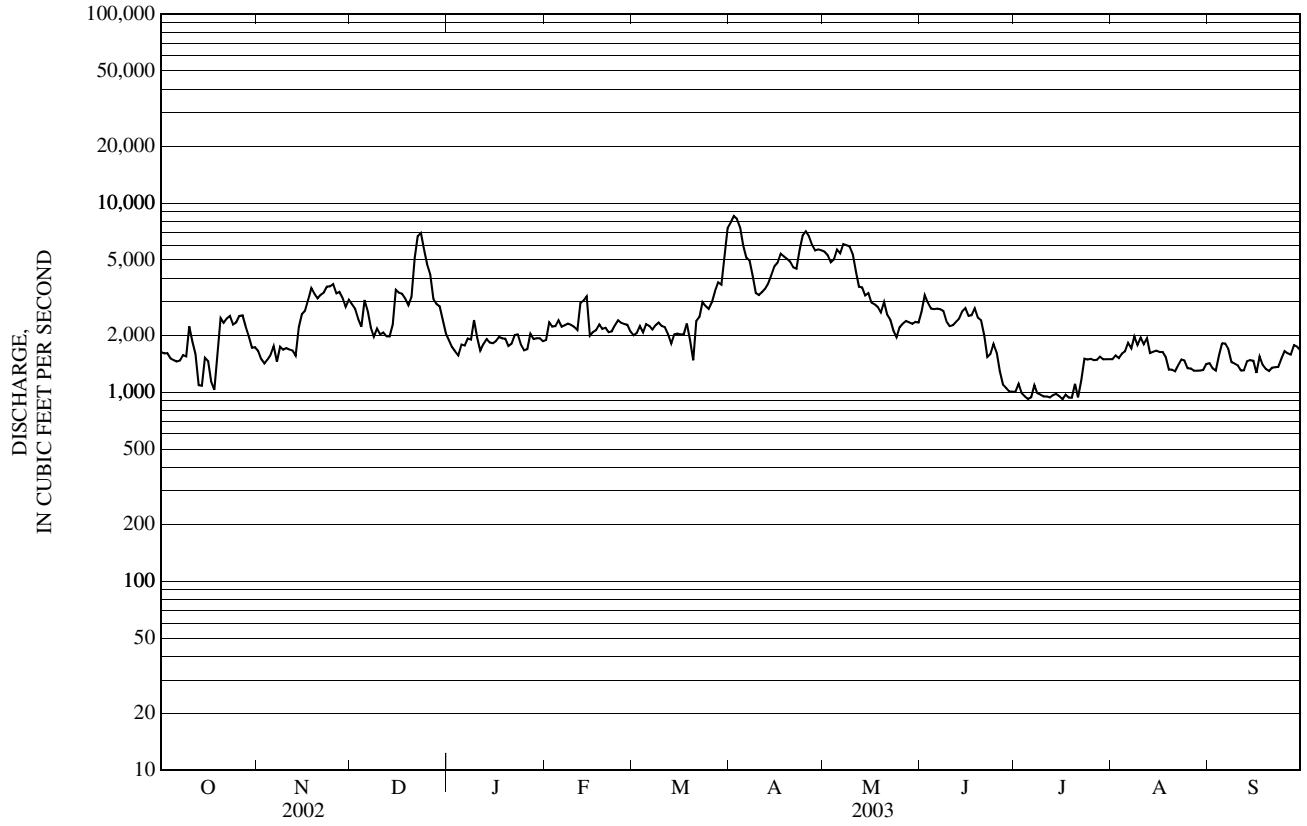
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2003, BY WATER YEAR (WY)

MEAN	1,794	2,254	2,650	2,297	2,635	3,081	5,236	3,678	2,309	1,701	1,590	1,652
MAX	3,865	5,679	8,397	5,303	6,031	8,009	9,438	7,403	6,054	5,042	2,987	3,269
(WY)	(1982)	(1964)	(1960)	(1978)	(1978)	(1998)	(1976)	(1989)	(1977)	(1996)	(1981)	(1981)
MIN	555	381	818	642	756	1,236	2,024	1,076	888	652	636	855
(WY)	(1965)	(1965)	(2002)	(2002)	(2002)	(1993)	(1985)	(1987)	(2002)	(1966)	(1966)	(1978)

e Estimated

01021000 ST. CROIX RIVER AT BARING, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1960 - 2003	
ANNUAL TOTAL	711,307		902,060			
ANNUAL MEAN	1,949		2,471		2,569	
HIGHEST ANNUAL MEAN					3,863	1960
LOWEST ANNUAL MEAN					1,280	1985
HIGHEST DAILY MEAN	8,690	Apr 5	8,530	Apr 2	23,200	May 29, 1961
LOWEST DAILY MEAN	543	Feb 7	919	Jul 16	262	Oct 20, 1964
ANNUAL SEVEN-DAY MINIMUM	547	Feb 6	950	Jul 10	327	Nov 6, 1964
MAXIMUM PEAK FLOW			8,720	Apr 1	23,500	May 29, 1961
MAXIMUM PEAK STAGE			9.46	Apr 1	12.76	May 29, 1961
10 PERCENT EXCEEDS	3,460		4,790		4,790	
50 PERCENT EXCEEDS	1,560		2,050		2,100	
90 PERCENT EXCEEDS	611		1,300		951	



01021050 ST. CROIX RIVER AT MILLTOWN, ME

LOCATION.--Lat 45°10'11", long 67°17'50", Washington County, Hydrologic Unit 01050001, on right bank 30 ft downstream from international highway bridge at Milltown.

DRAINAGE AREA.--1,455 mi^2.

PERIOD OF RECORD.--Water years 1969 to 1994, June 1996 to current year.
CHEMICAL ANALYSES: Water years 1969 to August 1994 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1972 to September 1994. Seasonal records (June to September) water years 1996 to current year.
pH: July 1972 to September 1994. Seasonal records (June to September) water years 1996 to current year.
WATER TEMPERATURE: September 1969 to September 1994. Seasonal records (June to September) water years 1996 to current year.
DISSOLVED OXYGEN: September 1969 to September 1994. Seasonal records (June to September) water years 1996 to current year.

REVISED RECORDS.--WDR ME-96-1: Drainage area.

INSTRUMENTATION.--In-situ monitor located 70 ft streamward from right bank, and 1.5 ft above river bed.

REMARKS.--Monitor not operated during period October to May. Records good, except for the periods Aug. 23-25 and Sept. 8-13, which are fair, and Aug. 26-28, Sept. 12-16, and Sept. 25-30, which are poor, for dissolved oxygen. Satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 375 microsiemens/cm, Mar. 6, 1989; minimum, 23 microsiemens/cm, May 2-4, 6, 1979.
pH: Maximum, 11.6 units, Sept. 28, 1974; minimum, 5.3 units, Oct. 18, 1973.
WATER TEMPERATURE: Maximum, 28.4°C, July 4, 2002; minimum, 0.0°C, on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Nov. 16, 1976; minimum, 0.5 mg/L, Aug. 19, 1975, Aug. 28, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 126 microsiemens/cm, July 20; minimum, 52 microsiemens/cm, June 3, 4, and 19-21.
pH: Maximum, 7.3 units, Sept. 17; minimum, 6.4 units, June 25, 26.
WATER TEMPERATURE: Maximum, 27.1°C, July 6; minimum, 14.7°C, June 3.
DISSOLVED OXYGEN: Maximum, 9.2 mg/L, June 3, 4; minimum, 5.6 mg/L, July 18.

SPECIFIC CONDUCTANCE, WATER, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	60	57	58	99	90	96	94	89	92	85	78	81
2	62	57	59	98	91	95	99	90	93	84	80	82
3	58	52	55	96	85	91	97	88	89	87	79	84
4	57	52	55	93	78	88	88	84	86	89	85	87
5	59	55	57	78	67	71	84	79	81	86	77	82
6	60	57	59	67	62	64	86	81	83	79	76	78
7	60	57	58	63	57	62	83	75	78	80	76	78
8	61	58	59	65	54	57	83	69	76	83	76	81
9	61	57	59	82	59	71	72	69	71	93	83	90
10	61	58	59	93	82	89	74	71	72	95	88	92
11	60	58	59	104	87	94	73	70	71	98	91	95
12	62	59	60	99	93	95	78	72	74	103	93	98
13	62	61	62	94	89	91	76	73	75	100	90	96
14	61	59	60	90	85	88	83	74	81	96	87	91
15	63	57	60	92	82	87	82	77	80	96	87	92
16	58	56	57	103	91	97	84	78	81	101	89	93
17	56	55	55	112	102	108	94	83	88	113	101	105
18	56	53	55	115	107	110	96	82	88	102	84	91
19	55	52	53	119	110	115	90	80	87	103	91	98
20	56	52	54	126	116	122	99	89	95	114	103	109
21	59	52	55	122	98	108	97	91	94	114	106	110
22	68	59	63	123	104	117	99	91	96	110	102	105
23	73	64	69	122	100	111	112	84	94	109	103	106
24	70	61	67	100	92	94	94	82	85	114	109	112
25	64	60	62	95	89	93	89	78	82	117	95	103
26	66	56	59	93	84	88	97	82	86	99	92	96
27	80	66	73	92	84	87	89	85	86	99	95	97
28	91	80	87	93	88	91	90	85	87	99	94	96
29	92	88	90	88	83	85	90	84	86	98	89	92
30	95	89	93	94	83	89	92	86	88	90	87	89
31	---	---	---	98	88	93	95	79	87	---	---	---
MONTH	95	52	62	126	54	92	112	69	84	117	76	94
PERIOD	126	52	83									

01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

PH, WATER, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.7	6.6	6.6	6.8	6.6	6.7	7.0	7.0	7.0	7.1	6.9	7.0
2	6.7	6.6	6.6	6.8	6.7	6.7	7.0	6.9	6.9	7.1	7.0	7.0
3	6.7	6.5	6.6	6.8	6.7	6.7	7.0	6.9	6.9	7.1	6.9	7.0
4	6.7	6.6	6.6	6.8	6.6	6.7	7.0	6.9	6.9	7.2	6.8	6.9
5	6.6	6.6	6.6	6.7	6.6	6.6	7.0	6.9	6.9	7.0	6.8	6.9
6	6.7	6.6	6.6	6.7	6.6	6.6	7.0	6.9	6.9	7.1	6.8	6.9
7	6.6	6.6	6.6	6.7	6.6	6.6	7.0	6.8	6.8	7.0	6.8	6.9
8	6.6	6.6	6.6	6.6	6.5	6.6	6.9	6.8	6.8	7.0	6.8	6.9
9	6.7	6.6	6.6	6.7	6.5	6.6	6.9	6.8	6.8	6.9	6.7	6.8
10	6.7	6.6	6.6	6.8	6.6	6.7	6.9	6.7	6.8	6.9	6.6	6.7
11	6.7	6.6	6.7	6.9	6.6	6.8	6.9	6.8	6.8	6.8	6.6	6.7
12	6.8	6.6	6.7	7.0	6.9	7.0	6.9	6.7	6.8	7.0	6.8	6.9
13	6.8	6.6	6.7	7.1	7.0	7.0	6.9	6.7	6.8	7.0	6.8	6.9
14	6.8	6.6	6.7	7.1	6.9	7.0	7.0	6.8	6.9	7.0	6.8	6.9
15	6.7	6.6	6.6	7.1	6.9	7.0	7.0	6.8	6.9	7.2	6.9	7.0
16	6.6	6.5	6.6	7.1	6.9	7.0	7.0	6.8	6.9	7.2	7.0	7.1
17	6.7	6.5	6.6	7.0	6.9	7.0	7.0	6.9	7.0	7.3	7.1	7.2
18	6.6	6.5	6.6	7.0	6.8	6.9	7.1	6.9	7.0	7.2	7.0	7.0
19	6.6	6.5	6.6	7.0	6.8	6.8	7.1	7.0	7.0	7.1	7.0	7.1
20	6.6	6.6	6.6	7.0	6.8	6.9	7.1	7.0	7.0	7.1	6.9	7.0
21	6.6	6.5	6.6	7.0	6.8	6.9	7.1	7.0	7.0	7.1	7.0	7.0
22	6.6	6.5	6.6	6.9	6.9	6.9	7.1	7.0	7.0	7.1	7.0	7.1
23	6.6	6.5	6.5	6.9	6.8	6.8	7.2	6.9	7.1	7.1	6.9	7.0
24	6.5	6.5	6.5	6.9	6.8	6.8	7.2	7.0	7.1	7.1	7.0	7.0
25	6.5	6.4	6.5	6.9	6.8	6.8	7.1	7.0	7.0	7.1	6.8	7.0
26	6.6	6.4	6.5	6.9	6.8	6.9	7.1	7.0	7.0	7.0	6.8	6.9
27	6.7	6.6	6.6	7.0	6.8	6.9	7.1	7.0	7.0	7.0	6.8	6.9
28	6.7	6.6	6.7	7.1	6.9	7.0	7.2	6.9	7.0	7.0	6.9	6.9
29	6.7	6.6	6.7	7.1	7.0	7.0	7.2	7.0	7.0	7.0	6.9	6.9
30	6.7	6.6	6.7	7.0	6.9	6.9	7.2	6.9	7.0	7.0	6.9	6.9
31	---	---	---	7.0	6.9	7.0	7.1	6.9	7.0	---	---	---
MONTH	6.8	6.4	6.6	7.1	6.5	6.8	7.2	6.7	6.9	7.3	6.6	6.9
PERIOD	7.3	6.4	6.8									

01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.6	15.3	15.6	25.6	24.3	24.8	23.9	23.1	23.4	21.1	20.2	20.6
2	16.4	14.8	15.5	25.8	24.9	25.2	23.1	22.0	22.4	20.5	20.1	20.3
3	16.9	14.7	15.7	25.6	24.7	25.0	23.2	22.0	22.5	20.4	19.8	20.0
4	17.9	15.0	16.4	26.4	24.9	25.4	23.2	22.4	22.7	20.0	18.6	19.3
5	17.6	15.9	16.5	26.3	25.2	25.6	22.4	21.8	22.1	20.8	18.8	19.7
6	18.3	16.1	17.0	27.1	25.4	26.2	23.0	21.6	22.1	21.0	19.5	20.3
7	18.4	16.7	17.6	26.5	25.4	25.8	23.0	22.3	22.6	21.0	19.5	20.2
8	18.6	17.0	17.7	25.5	23.0	24.6	22.6	22.0	22.3	20.5	19.4	19.8
9	18.5	17.6	17.9	23.9	22.7	23.3	23.6	22.2	22.7	19.8	19.1	19.4
10	19.1	17.0	18.0	24.1	23.2	23.6	23.6	22.7	23.3	19.5	18.8	19.2
11	19.2	17.6	18.5	23.6	21.3	22.9	24.6	22.7	23.5	19.7	19.4	19.6
12	20.5	18.0	19.2	21.8	20.6	21.2	24.7	23.7	24.3	19.7	19.4	19.5
13	20.8	18.3	19.6	24.0	21.8	23.0	24.9	23.7	24.3	20.1	19.4	19.7
14	20.5	17.5	18.5	24.4	23.4	23.9	24.9	24.4	24.6	20.7	19.6	20.0
15	17.9	17.1	17.5	24.2	23.3	23.7	25.2	23.9	24.6	21.8	20.7	21.2
16	19.8	16.7	18.1	23.9	22.8	23.3	25.2	24.0	24.7	21.8	20.1	20.9
17	20.3	17.4	18.9	23.4	22.1	22.7	25.2	23.9	24.5	20.9	19.9	20.4
18	20.3	17.8	19.2	24.8	23.2	24.0	24.7	23.8	24.3	20.8	19.8	20.2
19	19.7	18.2	18.8	24.6	23.5	24.0	25.0	24.0	24.4	20.7	20.1	20.4
20	21.4	18.6	19.8	25.2	24.1	24.6	25.4	25.0	25.1	20.2	19.4	19.8
21	22.0	19.6	20.9	24.7	22.9	23.8	26.0	25.4	25.7	20.9	19.5	20.1
22	22.0	20.3	20.9	22.9	22.2	22.6	26.0	25.5	25.7	20.9	20.4	20.5
23	22.4	20.4	21.2	23.0	22.2	22.6	25.9	23.7	25.0	20.6	19.6	20.1
24	23.2	21.5	22.3	23.1	22.6	22.9	23.7	21.3	22.0	20.3	19.2	19.8
25	23.5	22.1	22.8	24.0	22.4	23.0	22.2	21.1	21.5	20.2	19.0	19.5
26	24.7	22.4	23.2	24.4	23.5	23.9	22.5	22.2	22.4	19.6	18.7	19.1
27	25.1	24.6	24.8	24.5	23.1	23.7	22.7	22.0	22.4	19.9	18.8	19.2
28	25.3	24.4	24.9	23.1	22.2	22.6	22.6	21.8	22.0	19.9	19.1	19.4
29	26.0	24.7	25.4	24.0	21.8	22.7	21.8	21.3	21.5	19.6	19.2	19.4
30	25.8	24.4	25.3	24.1	23.3	23.7	21.8	21.3	21.5	19.4	18.3	18.8
31	---	---	---	24.1	23.2	23.7	21.3	20.4	20.8	---	---	---
MONTH	26.0	14.7	19.6	27.1	20.6	23.8	26.0	20.4	23.3	21.8	18.3	19.9
PERIOD	27.1	14.7	21.7									

01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

DISSOLVED OXYGEN, WATER, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.9	8.6	8.8	6.8	6.4	6.6	7.8	7.2	7.4	8.7	7.7	8.1
2	9.1	8.8	8.9	6.8	6.5	6.7	7.6	7.2	7.3	8.6	7.7	8.1
3	9.2	8.6	8.9	7.0	6.4	6.7	7.5	7.1	7.2	8.7	7.9	8.2
4	9.2	8.7	8.9	6.9	6.3	6.7	7.5	7.0	7.2	8.7	7.6	7.9
5	8.9	8.6	8.8	6.8	6.3	6.6	7.3	7.0	7.1	8.0	7.3	7.6
6	8.9	8.5	8.7	6.9	6.4	6.6	7.7	7.2	7.4	8.2	7.3	7.7
7	8.8	8.5	8.6	6.9	6.6	6.7	7.6	7.1	7.3	8.0	7.2	7.6
8	8.7	8.3	8.5	6.9	6.1	6.5	7.6	7.1	7.4	8.0	7.2	7.6
9	8.6	8.2	8.4	7.1	6.2	6.7	7.8	7.2	7.4	8.0	7.2	7.5
10	8.7	8.3	8.5	6.8	6.1	6.4	7.8	7.1	7.5	8.1	7.4	7.7
11	8.6	8.2	8.4	6.5	6.1	6.3	7.8	7.1	7.5	8.1	7.3	7.6
12	8.6	8.2	8.4	6.7	6.1	6.4	7.8	7.1	7.5	8.1	7.4	7.7
13	8.5	8.1	8.3	7.0	6.2	6.6	7.8	7.1	7.4	8.1	7.2	7.6
14	8.4	8.1	8.3	6.9	6.3	6.6	7.9	7.2	7.5	8.0	7.1	7.5
15	8.5	8.1	8.3	7.2	6.5	6.8	7.8	7.1	7.4	7.9	7.0	7.4
16	8.7	8.2	8.4	6.9	6.3	6.6	7.8	7.0	7.3	7.8	6.8	7.4
17	8.6	8.1	8.4	6.7	6.1	6.4	7.6	6.9	7.2	8.3	7.5	7.8
18	8.5	8.1	8.3	6.7	5.6	6.2	7.7	6.8	7.3	8.2	7.4	7.7
19	8.4	8.0	8.2	6.2	5.7	6.0	7.9	7.2	7.4	8.1	7.5	7.7
20	8.5	8.0	8.2	7.0	6.1	6.6	7.7	7.0	7.3	8.1	6.9	7.4
21	8.3	7.8	8.0	7.0	6.2	6.5	7.9	6.8	7.2	7.7	7.1	7.3
22	7.9	7.4	7.6	6.8	6.3	6.6	8.0	7.1	7.5	7.7	7.2	7.4
23	7.8	7.4	7.5	6.6	6.3	6.4	8.2	7.1	7.6	7.9	7.1	7.4
24	7.6	7.1	7.3	6.6	6.2	6.4	8.4	7.7	8.1	8.1	7.4	7.5
25	7.6	7.1	7.3	7.5	6.6	6.9	8.8	8.1	8.4	8.2	7.6	7.8
26	7.5	7.0	7.2	7.6	7.0	7.3	8.9	8.1	8.3	8.2	7.4	7.7
27	7.2	6.7	6.9	7.6	6.7	7.0	8.8	8.0	8.3	8.0	7.6	7.8
28	6.9	6.3	6.6	7.8	6.9	7.3	8.6	7.7	8.0	8.0	7.7	7.9
29	6.8	6.2	6.5	7.8	7.2	7.6	8.4	7.6	7.9	8.0	7.7	7.8
30	6.6	6.2	6.4	7.9	7.2	7.5	8.4	7.4	7.8	8.3	7.8	8.0
31	---	---	---	7.9	7.3	7.6	8.7	7.5	8.0	---	---	---
MONTH	9.2	6.2	8.1	7.9	5.6	6.7	8.9	6.8	7.6	8.7	6.8	7.7
PERIOD	9.2	5.6	7.5									

01021200 DENNYS RIVER AT DENNYSVILLE, ME

LOCATION.--Lat 44°54'03", long 67°14'56", Washington County, Hydrologic Unit 01050002, on right bank 100 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennysville.

DRAINAGE AREA.--92.9 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1955 to September 1998, May 2001 to current year.
WATER TEMPERATURE: October 1958 to September 1972.

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

GAGE.--Water-stage recorder. Datum of gage is 54.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 28 to Dec. 15, Dec. 21, Dec. 25 to Feb. 5, and Feb. 13 to Mar. 30, periods of doubtful stage-discharge relation, Oct. 23 to Nov. 6 and Sept. 7-10, and periods of no gage-height record, Jan. 9-16, and Jan. 26 to Feb. 5, which are fair. Flow regulated by dam at outlet of Meddybemps Lake, 14 mi upstream, usable capacity about 1.507 billion ft^3. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,930 ft^3/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,600 ft^3/s); minimum daily discharge, 8.6 ft^3/s, Sept. 30, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,630 ft^3/s, Mar. 31, gage height, 5.79 ft; minimum daily discharge, 55 ft^3/s, Oct. 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	72	e81	e91	e146	e89	e141	1,340	246	200	81	71	62
2	68	e81	e81	e152	e90	e141	1,250	243	534	78	81	61
3	64	e78	e73	e136	e136	e299	1,120	261	560	77	83	60
4	60	e74	e67	e126	e142	e374	1,010	241	444	76	80	72
5	61	e76	e63	e121	e134	e367	933	213	348	75	83	79
6	64	e98	e61	e130	290	e367	885	193	323	74	89	70
7	60	222	e60	e123	278	e317	833	453	308	72	90	e65
8	58	188	e58	e119	253	e275	706	527	287	72	89	e62
9	57	153	e58	e115	225	e238	585	370	272	86	87	e60
10	56	158	e57	e111	199	e211	547	291	259	103	83	e58
11	56	250	e57	e109	180	e191	358	253	245	106	82	58
12	55	247	e57	e106	169	e175	352	247	236	107	83	57
13	56	282	e56	e104	e160	e162	544	356	151	97	82	57
14	64	426	e115	e102	e154	e151	484	374	135	89	79	58
15	65	335	e618	e101	e148	e142	396	279	224	87	76	59
16	59	229	532	e99	e143	e133	378	213	199	82	73	59
17	72	182	330	e98	e139	e127	345	195	159	81	73	62
18	81	460	214	e98	e136	e122	288	183	133	79	72	60
19	77	518	162	e97	e133	e118	251	171	123	79	71	58
20	85	337	155	e96	e130	e116	247	163	120	80	70	65
21	80	249	e753	e95	e129	e164	260	133	109	81	69	80
22	80	248	828	e95	e127	e307	275	118	102	83	68	80
23	e71	463	545	e95	e137	e423	346	115	98	86	67	80
24	e68	457	314	e94	e178	e550	424	118	95	86	65	83
25	e67	315	e206	e93	e197	e526	364	193	91	84	64	82
26	e65	224	e162	e93	e172	e492	301	271	87	87	64	80
27	e97	176	e140	e92	e155	e548	321	251	85	83	64	80
28	e113	e140	e128	e91	e147	e687	346	251	84	81	63	90
29	e106	e120	e120	e90	---	e741	326	265	82	76	62	95
30	e94	e104	e113	e90	---	e1,100	287	248	81	71	66	88
31	e86	---	e110	e89	---	1,530	---	212	---	70	64	---
TOTAL	2,217	6,971	6,384	3,306	4,570	11,235	16,102	7,647	6,174	2,569	2,313	2,080
MEAN	71.5	232	206	107	163	362	537	247	206	82.9	74.6	69.3
MAX	113	518	828	152	290	1,530	1,340	527	560	107	90	95
MIN	55	74	56	89	89	116	247	115	81	70	62	57

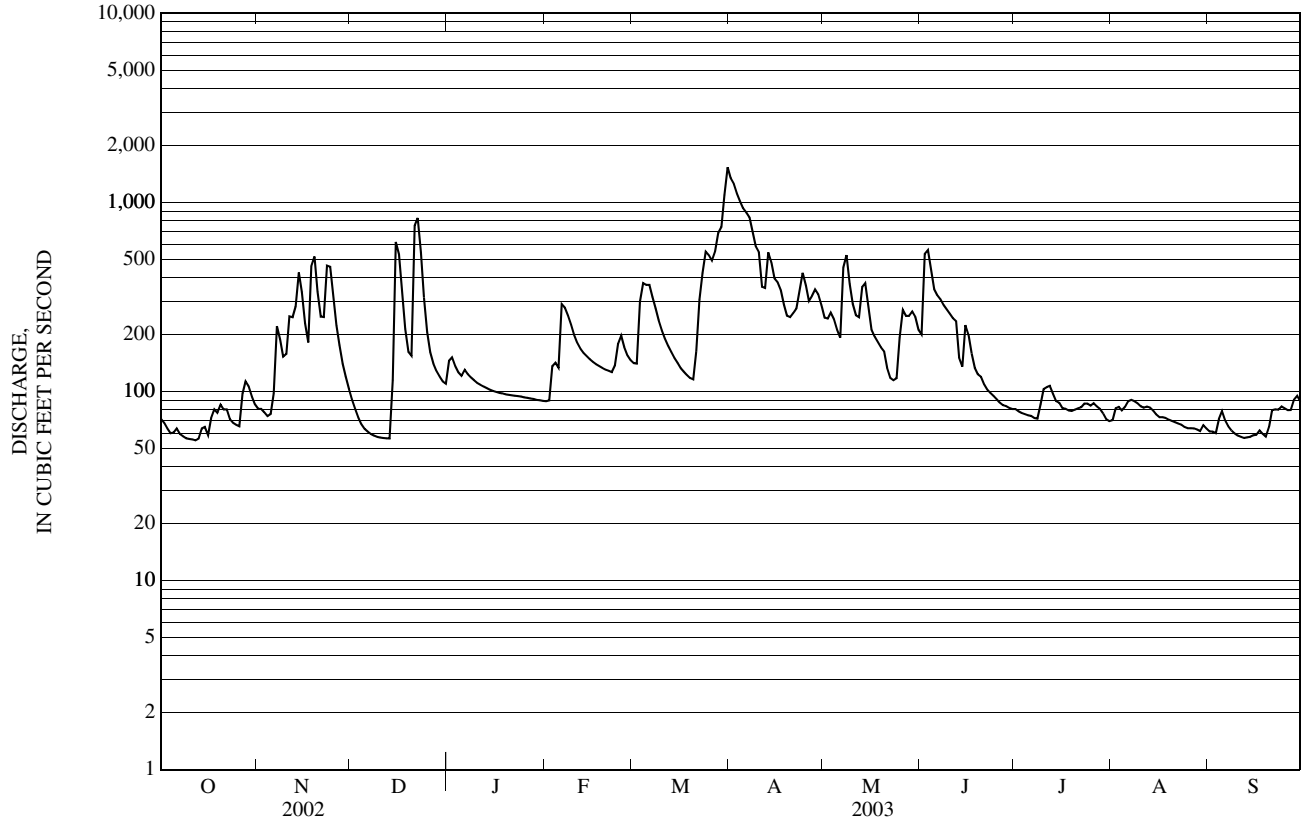
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	110	193	212	188	190	264	440	274	167	101	73.7	78.2
MAX	317	505	508	457	548	666	737	732	382	354	205	201
(WY)	(1978)	(1964)	(1974)	(1958)	(1976)	(1998)	(1969)	(1972)	(1977)	(1996)	(1991)	(1981)
MIN	11.7	33.0	48.5	42.3	79.6	128	134	96.4	35.4	25.3	15.7	11.4
(WY)	(1958)	(2002)	(1956)	(1985)	(1995)	(1971)	(1985)	(1957)	(1965)	(1965)	(1956)	(1957)

e Estimated

01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	56,295		71,568			
ANNUAL MEAN	154		196		191	
HIGHEST ANNUAL MEAN					292	1973
LOWEST ANNUAL MEAN					96.0	1985
HIGHEST DAILY MEAN	1,580	Feb 28	1,530	Mar 31	3,350	Apr 29, 1973
LOWEST DAILY MEAN	37	Jan 5	55	Oct 12	8.6	Sep 30, 1957
ANNUAL SEVEN-DAY MINIMUM	40	Jan 5	57	Oct 7	9.5	Sep 25, 1957
MAXIMUM PEAK FLOW			1,630	Mar 31	3,930	Apr 29, 1973
MAXIMUM PEAK STAGE			5.79	Mar 31	9.35	Apr 29, 1973
10 PERCENT EXCEEDS	337		423		415	
50 PERCENT EXCEEDS	89		116		130	
90 PERCENT EXCEEDS	45		64		44	



01021452 MOPANG STREAM NEAR BEDDINGTON, ME

LOCATION.--Lat 44°52'16", long 67°56'27", Washington County, Hydrologic Unit 01050002, on left bank, at downstream side of Route 9 bridge, 6 miles east of Beddington.

DRAINAGE AREA.--18.8 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 310 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for flows below 2.0 ft^3/s, and periods of ice effect, Nov. 27 to Dec. 20 and Dec. 26 to Mar. 27, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 208 ft^3/s, Dec. 21, 2002, gage height, 3.76 ft; maximum gage height 4.25, Feb. 12, 2002 (backwater from ice); minimum discharge 0.71 ft^3/s, Oct. 4-6 and 12, 2001, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 21	1215	*208	3.76	Mar 31	0915	203	3.72
Mar 3	1030	Ice Jam	*4.07				

Minimum discharge, 1.1 ft^3/s, Aug. 26-27 and Sept. 3-4, gage height, 1.52 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	2.2	2.9	e23	e47	e15	e20	164	71	49	17	6.0	1.5
2	2.0	3.2	e21	e43	e21	e24	139	72	73	16	11	1.4
3	2.0	2.8	e19	e40	e30	e49	125	73	66	15	12	1.3
4	1.7	2.8	e18	e39	e34	e44	115	66	55	15	10	4.2
5	2.2	3.2	e17	e41	e42	e40	108	61	51	17	10	6.3
6	2.2	8.3	e16	e38	e39	e50	106	59	54	18	12	3.8
7	1.8	22	e16	e35	e35	e45	97	108	51	16	11	2.8
8	1.8	12	e16	e33	e32	e39	90	96	48	14	11	2.3
9	1.5	9.5	e15	e31	e29	e34	85	79	45	13	11	1.9
10	1.5	11	e15	e29	e27	e30	82	69	43	12	10	1.8
11	1.4	19	e15	e28	e25	e27	83	63	40	12	13	1.6
12	1.4	20	e15	e26	e23	e25	100	64	38	14	23	1.5
13	1.4	28	e15	e25	e21	e23	109	64	35	12	17	1.4
14	2.0	37	e48	e24	e20	e21	101	60	50	11	13	1.4
15	1.8	28	e149	e23	e19	e20	95	56	62	10	10	1.4
16	1.9	21	e104	e22	e18	e19	99	52	52	10	9.0	1.5
17	5.9	25	e77	e22	e17	e20	95	49	45	10	8.4	1.6
18	5.9	41	e60	e21	e16	e23	87	46	40	9.9	7.8	1.4
19	5.3	34	e50	e20	e16	e23	81	44	38	9.8	7.2	1.3
20	5.9	29	e45	e20	e15	e24	80	42	36	8.4	6.3	1.5
21	4.5	27	186	e19	e15	e32	80	39	32	8.0	4.8	1.7
22	4.0	33	150	e19	e15	e43	81	38	30	9.2	3.8	1.5
23	4.3	48	115	e18	e26	e57	95	38	29	11	2.8	1.5
24	2.9	46	99	e18	e40	e66	97	40	28	12	1.8	2.7
25	2.5	39	89	e18	e31	e64	92	48	26	12	1.3	2.1
26	2.7	33	e81	e17	e26	e62	85	48	24	11	1.2	1.9
27	6.6	e30	e77	e17	e22	e82	92	55	22	9.7	1.4	2.0
28	5.5	e27	e71	e16	e20	99	91	52	21	9.1	1.6	5.4
29	4.3	e25	e58	e16	---	99	84	50	19	7.8	1.4	11
30	3.6	e24	e49	e16	---	148	76	48	18	7.1	2.2	7.5
31	2.9	---	e45	e15	---	195	---	46	---	6.6	1.9	---
TOTAL	95.6	691.7	1,774	796	689	1,547	2,914	1,796	1,220	363.6	242.9	79.2
MEAN	3.08	23.1	57.2	25.7	24.6	49.9	97.1	57.9	40.7	11.7	7.84	2.64
MAX	6.6	48	186	47	42	195	164	108	73	18	23	11
MIN	1.4	2.8	15	15	15	19	76	38	18	6.6	1.2	1.3
CFSM	0.16	1.23	3.04	1.37	1.31	2.65	5.17	3.08	2.16	0.62	0.42	0.14
IN.	0.19	1.37	3.51	1.58	1.36	3.06	5.77	3.55	2.41	0.72	0.48	0.16

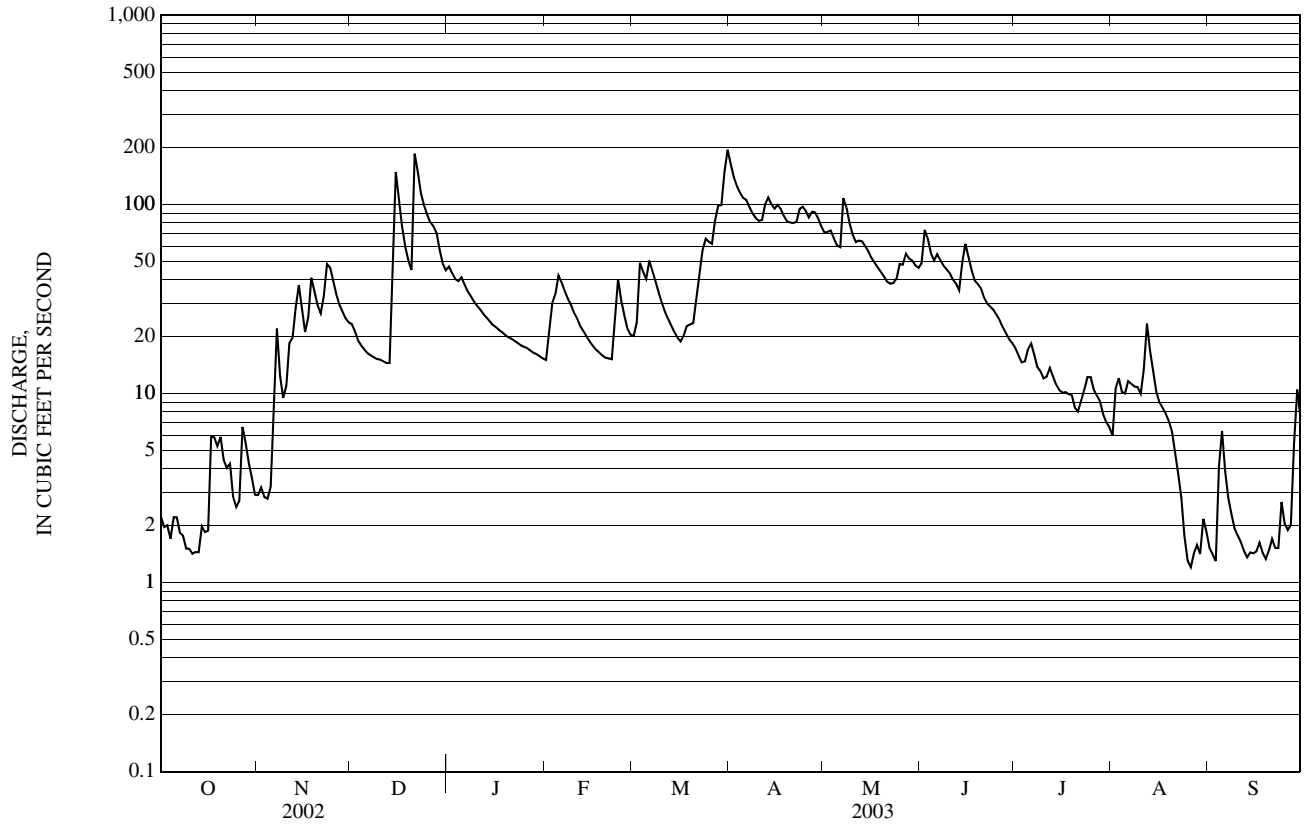
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	2.23	12.9	32.1	17.0	26.8	64.3	101	54.2	31.2	12.1	5.37	2.22
MAX	3.08	23.1	57.2	25.7	29.1	78.6	106	57.9	40.7	12.4	7.84	2.64
(WY)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2003)	(2003)	(2002)	(2003)	(2003)
MIN	1.37	2.69	6.88	8.29	24.6	49.9	97.1	50.5	21.8	11.7	2.91	1.81
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2003)	(2003)	(2002)	(2002)	(2003)	(2002)	(2002)

e Estimated

01021452 MOPANG STREAM NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	11,984.22		12,209.0			
ANNUAL MEAN	32.8		33.4		30.1	
HIGHEST ANNUAL MEAN					33.4	2003
LOWEST ANNUAL MEAN					26.7	2002
HIGHEST DAILY MEAN	186	Dec 21	195	Mar 31	195	Mar 31, 2003
LOWEST DAILY MEAN	0.92	Sep 10	1.2	Aug 26	0.74	Oct 5, 2001
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 5	1.4	Sep 13	0.84	Oct 4, 2001
MAXIMUM PEAK FLOW			208	Dec 21	208	Dec 21, 2002
MAXIMUM PEAK STAGE			4.07	Mar 3	4.25	Feb 12, 2002
INSTANTANEOUS LOW FLOW			1.1	Aug 26	0.71	Oct 4, 2001
ANNUAL RUNOFF (CFSM)	1.75		1.78		1.60	
ANNUAL RUNOFF (INCHES)	23.71		24.16		21.75	
10 PERCENT EXCEEDS	89		83		82	
50 PERCENT EXCEEDS	18		22		17	
90 PERCENT EXCEEDS	1.8		2.0		1.7	



01021470 LIBBY BROOK NEAR NORTHFIELD, ME

LOCATION.--Lat 44°48'03", long 67°43'31", Washington County, Hydrologic Unit 01050002, on left bank, 0.9 mi southwest of the confluence with Machias River.

DRAINAGE AREA.--7.79 mi^2.

PERIOD OF RECORD.--
DISCHARGE: July 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 133.16 ft above North American Vertical Datum of 1988.

REMARKS.--Records good, except for periods of ice effect, Nov. 29 to Dec. 20 and Dec. 25 to Mar. 21, period of doubtful stage-discharge relation, Oct. 29 to Nov. 6, and period of no gage-height record, Dec. 18-19, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190 ft^3/s, Mar. 1, 2002, gage height, 3.48 ft; maximum gage height, 5.68 ft, Mar. 4, 2003 (backwater from ice); minimum discharge, 2.2 ft^3/s, July 26, 2002, gage height, 1.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 21	1600	*127	3.44	Mar 31	0600	118	3.36
Mar 4	0830	Ice Jam	*5.68				

Minimum discharge, 3.4 ft^3/s, Aug. 24, gage height, 1.53 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	5.2	e6.3	e7.4	e11	e5.4	e7.2	63	15	14	5.6	4.1	4.7
2	4.5	e7.0	e7.0	e10	e7.9	e7.7	36	15	40	5.3	5.1	4.5
3	4.9	e6.2	e6.7	e9.7	e8.9	e18	27	17	33	5.2	4.8	4.4
4	5.1	e5.9	e6.3	e9.3	e8.6	e22	22	15	22	5.2	4.9	7.3
5	6.1	e6.8	e6.1	e11	e14	e20	19	13	16	5.4	5.4	7.9
6	5.9	e13	e5.9	e9.7	e16	e24	17	13	18	5.2	6.1	5.4
7	5.0	27	e5.7	e8.9	e15	e21	15	34	14	4.4	5.5	4.9
8	5.0	20	e5.6	e8.4	e13	e17	14	33	13	4.5	5.2	4.8
9	4.4	17	e5.4	e8.0	e12	e15	14	24	11	4.7	5.4	4.6
10	4.4	17	e5.3	e7.7	e10	e14	14	18	10	4.5	5.5	4.6
11	4.7	25	e5.2	e7.4	e9.3	e12	16	14	9.0	4.3	5.5	4.7
12	4.7	24	e5.1	e7.2	e8.6	e11	32	17	9.2	5.1	5.4	4.6
13	4.8	28	e5.0	e7.0	e7.9	e10	42	17	7.9	5.1	5.1	6.2
14	7.1	34	e35	e6.9	e7.4	e9.1	35	15	16	4.7	4.7	5.0
15	6.6	27	e73	e6.8	e6.9	e8.4	28	14	23	4.6	4.1	5.1
16	5.9	18	e53	e6.6	e6.6	e7.8	28	12	19	4.4	4.2	5.1
17	12	15	e32	e6.5	e6.3	e7.8	24	11	14	4.6	4.3	5.8
18	11	32	e21	e6.4	e6.2	e8.9	20	10	11	4.5	4.4	5.1
19	9.7	30	e15	e6.3	e6.0	e9.5	17	9.1	10	4.6	4.4	4.7
20	9.9	23	e17	e6.2	e5.9	e9.4	16	8.7	9.2	4.6	4.4	5.0
21	8.3	18	98	e6.1	e5.8	e23	15	7.7	7.9	4.9	4.5	5.5
22	7.3	18	71	e6.0	e5.9	34	16	7.9	7.5	5.2	4.9	5.2
23	6.6	30	37	e5.9	e7.5	50	26	8.8	7.3	5.7	4.5	5.2
24	6.6	29	23	e5.8	e11	61	28	9.6	7.2	6.0	3.6	6.2
25	7.0	22	e17	e5.8	e9.5	54	24	19	6.9	5.9	4.0	5.3
26	7.0	16	e16	e5.7	e8.7	43	20	20	6.5	5.4	4.2	5.1
27	13	13	e13	e5.6	e8.0	49	23	23	6.0	5.4	4.4	5.5
28	11	10	e12	e5.6	e7.6	61	22	20	5.5	5.3	4.3	6.3
29	e8.9	e8.7	e11	e5.5	---	52	19	19	5.4	5.0	4.3	7.5
30	e7.6	e7.9	e9.8	e5.5	---	69	17	16	5.3	4.8	4.8	6.3
31	e6.6	---	e9.1	e5.4	---	101	---	13	---	4.1	4.9	---
TOTAL	216.8	554.8	639.6	223.9	245.9	856.8	709	488.8	384.8	154.2	146.9	162.5
MEAN	6.99	18.5	20.6	7.22	8.78	27.6	23.6	15.8	12.8	4.97	4.74	5.42
MAX	13	34	98	11	16	101	63	34	40	6.0	6.1	7.9
MIN	4.4	5.9	5.0	5.4	5.4	7.2	14	7.7	5.3	4.1	3.6	4.4
CFSM	0.90	2.37	2.65	0.93	1.13	3.55	3.03	2.02	1.65	0.64	0.61	0.70
IN.	1.04	2.65	3.05	1.07	1.17	4.09	3.39	2.33	1.84	0.74	0.70	0.78

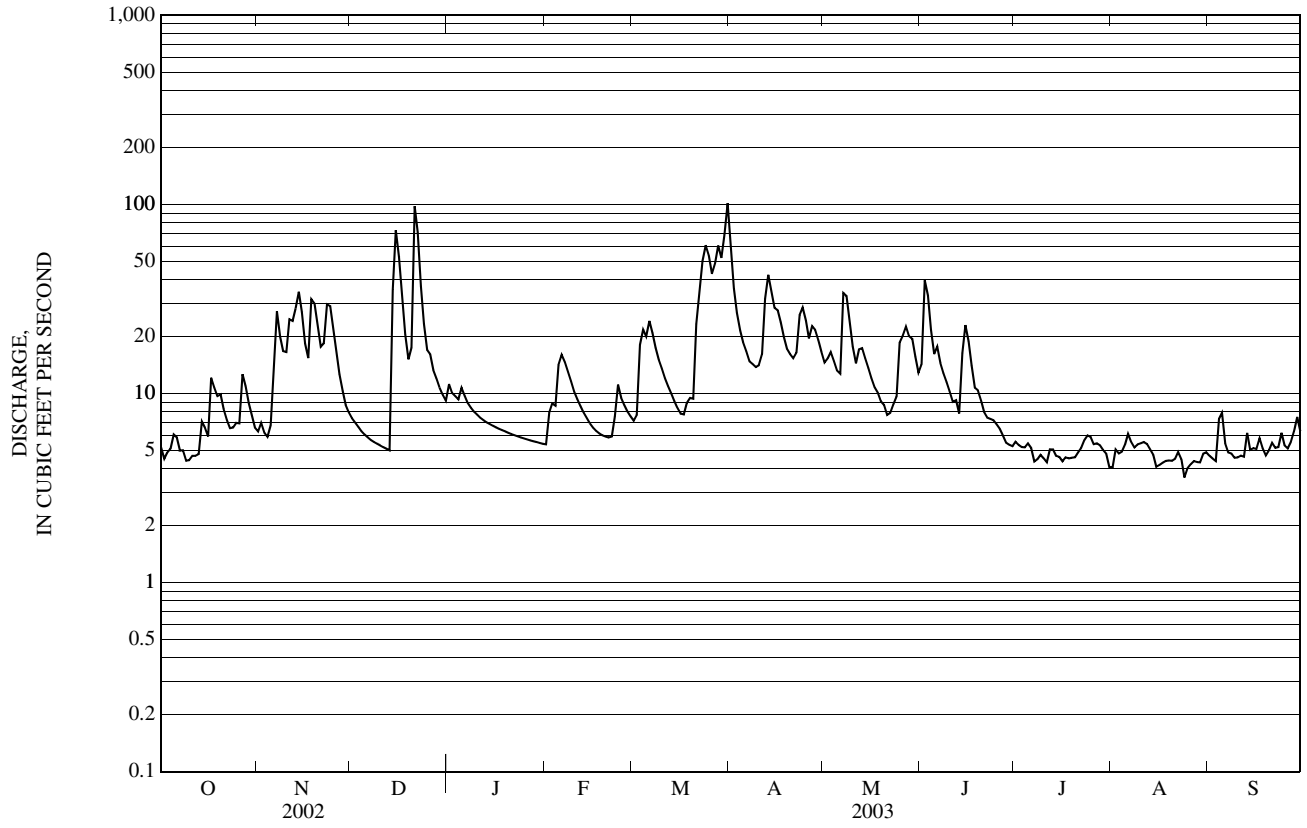
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	6.37	11.0	12.7	6.07	10.6	22.4	26.2	12.9	9.78	5.17	4.40	4.99
MAX	7.72	18.5	20.6	7.22	15.8	30.8	29.4	15.8	12.8	6.46	5.21	5.53
(WY)	(2001)	(2003)	(2003)	(2003)	(2002)	(2002)	(2001)	(2003)	(2003)	(2000)	(2000)	(2000)
MIN	4.39	4.50	5.55	4.98	7.14	8.71	23.6	8.64	8.20	4.43	3.77	4.23
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(2003)	(2001)	(2001)	(2001)	(2002)	(2001)

e Estimated

01021470 LIBBY BROOK NEAR NORTHFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	4,822.9		4,784.0			
ANNUAL MEAN	13.2		13.1		10.9	
HIGHEST ANNUAL MEAN					13.1	2003
LOWEST ANNUAL MEAN					9.16	2001
HIGHEST DAILY MEAN	113	Feb 28	101	Mar 31	113	Feb 28, 2002
LOWEST DAILY MEAN	2.7	Jul 26	3.6	Aug 24	2.7	Jul 26, 2002
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 31	4.2	Aug 23	3.4	Jul 31, 2002
MAXIMUM PEAK FLOW			127	Dec 21	190	Mar 1, 2002
MAXIMUM PEAK STAGE			5.68	Mar 4	5.68	Mar 4, 2003
INSTANTANEOUS LOW FLOW			3.4	Aug 24	2.2	Jul 26, 2002
ANNUAL RUNOFF (CFSM)	1.70		1.68		1.40	
ANNUAL RUNOFF (INCHES)	23.03		22.85		19.09	
10 PERCENT EXCEEDS	28		27		22	
50 PERCENT EXCEEDS	7.5		7.9		6.5	
90 PERCENT EXCEEDS	3.7		4.7		3.9	



01021480 OLD STREAM NEAR WESLEY, ME

LOCATION.--Lat 44°56'09", long 67°44'08", Washington County, Hydrologic Unit 01050002, on left bank at upstream side of Route 9 bridge, 0.6 mi upstream from Chain Lakes Stream, and 3.6 mi west of Wesley.

DRAINAGE AREA.--29.1 mi^2.

PERIOD OF RECORD.--
DISCHARGE: July 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REVISED RECORDS.--WDR ME-00-1: 1999(M).

REMARKS.--Records good, except for periods of ice effect, Nov. 29 to Dec. 20 and Dec. 25 to Mar. 4, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 526 ft^3/s, Mar. 29, 2000, gage height 6.45 ft; maximum gage height, 6.76 ft, Dec. 23, 1998 (backwater from ice); minimum discharge, 1.5 ft^3/s, Sept. 7 and 14, 2001, gage height 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 22	0000	430	6.19	Mar 31	0645	*527	*6.52

Minimum discharge, 2.4 ft^3/s, Oct. 13-14 and Sept. 16, 19-20, gage height, 3.44 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	3.6	6.9	e35	e64	e21	e29	431	100	70	11	5.7	3.0
2	3.3	7.1	e31	e59	e25	e28	314	94	177	9.9	11	3.0
3	3.3	6.5	e28	e55	e29	e60	233	98	170	9.0	9.4	2.8
4	2.8	5.4	e26	e54	e30	e69	186	86	130	8.3	8.2	7.1
5	3.1	5.6	e24	e56	e48	67	154	76	95	8.0	9.7	5.4
6	3.1	11	e23	e51	e52	70	138	69	87	8.0	12	4.3
7	3.0	24	e22	e48	e47	64	119	145	73	7.7	11	3.8
8	2.9	21	e21	e45	e44	56	106	142	63	7.5	11	3.4
9	3.0	20	e20	e42	e40	48	96	121	57	7.3	10	3.1
10	2.9	22	e19	e40	e37	44	94	99	52	7.1	9.3	3.0
11	2.7	34	e19	e38	e35	40	100	81	45	7.9	8.4	3.0
12	2.6	36	e18	e36	e32	36	146	79	42	8.7	8.9	2.7
13	2.5	49	e18	e34	e30	34	190	81	37	7.9	8.2	2.7
14	3.0	76	e47	e33	e28	31	187	76	55	6.9	7.4	2.7
15	2.9	68	e213	e32	e26	29	173	69	82	6.7	6.9	2.6
16	3.0	58	e238	e31	e25	27	175	62	79	6.2	6.4	2.7
17	5.8	53	e204	e30	e24	28	164	56	65	6.4	6.4	3.0
18	5.1	80	e156	e29	e23	31	141	50	50	6.5	5.8	2.7
19	4.8	79	e113	e28	e23	32	124	44	42	6.2	5.0	2.5
20	6.7	68	e97	e27	e22	31	118	40	37	5.9	4.6	2.9
21	7.1	59	377	e27	e22	53	120	37	31	5.7	4.3	3.1
22	12	67	392	e26	e22	84	127	35	28	7.1	3.9	2.9
23	5.2	106	278	e25	e26	117	165	35	25	9.3	3.7	3.0
24	5.2	117	196	e25	e39	152	192	36	23	9.9	3.5	4.7
25	4.6	99	e142	e24	e39	166	178	51	20	9.2	3.4	3.3
26	4.4	78	e118	e24	e36	175	151	57	18	8.2	3.2	3.1
27	9.0	62	e111	e23	e33	220	149	74	16	7.9	3.3	2.9
28	8.8	52	e99	e23	e30	248	146	78	14	7.3	3.2	4.2
29	8.2	e44	e78	e22	---	257	136	78	13	6.6	3.1	6.9
30	7.5	e39	e66	e22	---	373	119	70	11	5.8	3.9	5.8
31	7.6	---	e61	e21	---	511	---	66	---	5.4	3.3	---
TOTAL	149.7	1,453.5	3,290	1,094	888	3,210	4,872	2,285	1,707	235.5	204.1	106.3
MEAN	4.83	48.5	106	35.3	31.7	104	162	73.7	56.9	7.60	6.58	3.54
MAX	12	117	392	64	52	511	431	145	177	11	12	7.1
MIN	2.5	5.4	18	21	21	27	94	35	11	5.4	3.1	2.5
CFSM	0.17	1.66	3.65	1.21	1.09	3.56	5.58	2.53	1.96	0.26	0.23	0.12
IN.	0.19	1.86	4.21	1.40	1.14	4.10	6.23	2.92	2.18	0.30	0.26	0.14

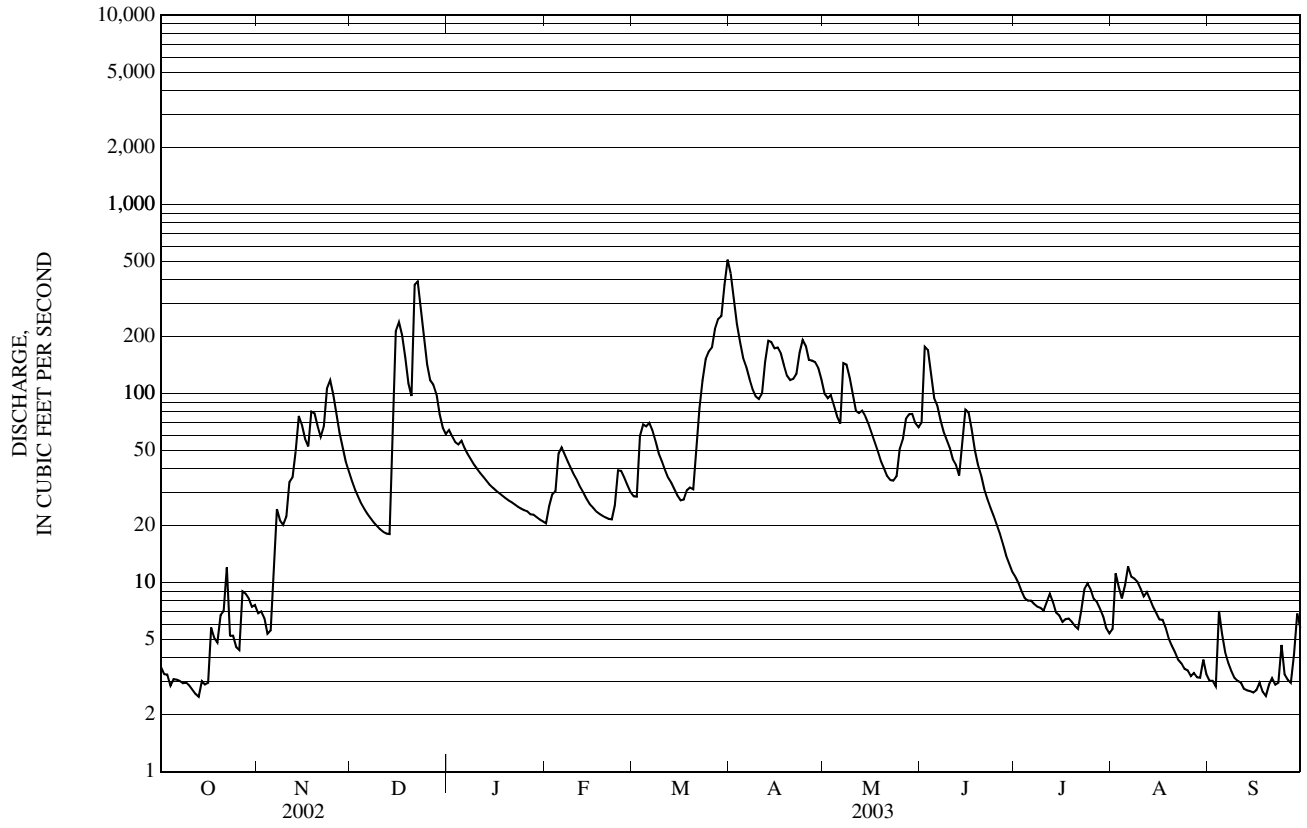
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	17.4	38.9	60.2	47.5	44.6	121	143	60.0	28.7	10.2	5.79	9.98
MAX	35.5	70.9	112	121	81.6	174	167	75.0	56.9	17.8	8.73	40.3
(WY)	(2000)	(2000)	(2000)	(1999)	(1999)	(1999)	(2000)	(2000)	(2003)	(2000)	(2000)	(1999)
MIN	3.62	5.14	9.95	9.25	16.3	20.5	81.9	43.3	16.4	7.34	2.15	2.61
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(1999)	(1999)	(1999)	(2001)	(2001)	(2001)

e Estimated

01021480 OLD STREAM NEAR WESLEY, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	18,541.5		19,495.1			
ANNUAL MEAN	50.8		53.4		49.0	
HIGHEST ANNUAL MEAN					66.5	2000
LOWEST ANNUAL MEAN					29.1	2001
HIGHEST DAILY MEAN	392	Dec 22	511	Mar 31	511	Mar 31, 2003
LOWEST DAILY MEAN	2.5	Oct 13	2.5	Oct 13	1.6	Sep 12, 2001
ANNUAL SEVEN-DAY MINIMUM	2.8	Oct 7	2.7	Sep 13	1.6	Sep 9, 2001
MAXIMUM PEAK FLOW			527	Mar 31	527	Mar 31, 2003
MAXIMUM PEAK STAGE			6.52	Mar 31	6.76	Dec 23, 1998
INSTANTANEOUS LOW FLOW			2.4	Oct 13	1.5	Sep 7, 2001
ANNUAL RUNOFF (CFSM)	1.75		1.84		1.68	
ANNUAL RUNOFF (INCHES)	23.70		24.92		22.88	
10 PERCENT EXCEEDS	138		143		127	
50 PERCENT EXCEEDS	20		29		24	
90 PERCENT EXCEEDS	3.7		3.3		3.9	



01021500 MACHIAS RIVER AT WHITNEYVILLE, ME

LOCATION.--Lat 44°43'23", long 67°31'15", Washington County, Hydrologic Unit 01050002, on right bank 800 ft downstream from U.S. Route 1A highway bridge at Whitneyville.

DRAINAGE AREA.--458 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1905 to September 1921, September 1929 to September 1977. May 2001 to current year. Monthly discharge only for some periods published in WSP 1301. Records for October 1903 to September 1905, published in WSP 97, 124, 165, and 241, are unreliable and should not be used.

REVISED RECORDS.--WSP 971: Drainage area. WSP 1231: 1907-15, 1916-21(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 37.22 ft above National Geodetic Vertical Datum of 1929. October 1, 1905, to Sept. 30, 1921, nonrecording gage on highway bridge at different datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 28 to Dec. 20 and Dec. 25 to Mar. 22, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s, May 29, 1961, gage height, 16.92 ft; minimum daily discharge, 3.5 ft^3/s, Oct. 12, 1939, when flow was held back by cofferdam during reconstruction of highway bridge upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 22	1030	5,500	9.57	Apr 1	0515	*6,940	*10.88

Minimum discharge, 57 ft^3/s, Sept. 16, gage height, 2.79 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	170	146	e596	e954	e413	e621	6,780	1,820	1,000	296	127	69
2	135	140	e529	e904	e518	e625	5,810	1,720	2,280	280	137	69
3	114	131	e479	e818	e667	e1,200	4,290	1,810	2,630	268	168	64
4	98	123	e445	e727	e763	e1,540	3,240	1,780	1,900	255	190	81
5	93	126	e417	e653	e970	e1,510	2,770	1,590	1,400	242	194	125
6	88	173	e393	e768	e1,200	e1,480	2,490	1,450	1,240	243	213	160
7	84	558	e375	e721	e1,180	e1,440	2,350	2,170	1,220	235	230	144
8	81	640	e360	e683	e1,100	e1,310	2,070	2,750	1,070	219	224	121
9	74	523	e349	e647	e991	e1,160	1,880	2,280	971	210	208	102
10	68	459	e339	e618	e885	e1,030	1,770	1,840	884	202	193	89
11	66	806	e333	e596	e791	e892	1,820	1,560	792	198	181	78
12	65	971	e331	e575	e721	e786	2,230	1,450	711	199	174	71
13	62	996	e331	e555	e672	e702	2,960	1,530	644	210	169	66
14	70	1,570	e495	e544	e635	e636	2,840	1,470	699	202	164	63
15	72	1,420	e2,640	e525	e600	e576	2,530	1,340	1,370	184	153	62
16	77	1,040	e3,500	e516	e567	e533	2,430	1,210	1,380	171	137	61
17	104	874	e2,910	e498	e548	e500	2,370	1,090	1,110	166	126	67
18	158	1,470	e2,100	e491	e532	e479	2,130	1,000	884	160	115	64
19	188	1,730	e1,500	e481	e521	e460	1,900	922	745	157	108	62
20	197	1,300	e1,280	e474	e514	e447	1,780	835	673	162	103	62
21	196	1,080	4,140	e466	e507	e855	1,790	764	607	181	97	62
22	193	1,040	5,400	e462	e514	e1,950	1,830	694	545	179	93	61
23	162	1,740	4,660	e456	e613	2,720	2,150	666	491	185	92	61
24	148	2,010	3,240	e450	e811	3,460	2,610	677	456	193	82	68
25	126	1,660	e2,290	e440	e961	3,500	2,490	895	429	202	76	68
26	116	1,310	e1,730	e437	e921	3,190	2,240	1,240	401	201	72	74
27	150	1,080	e1,310	e431	e789	3,140	2,140	1,230	384	190	70	73
28	228	e893	e1,070	e431	e690	3,830	2,310	1,340	368	176	67	76
29	229	e767	e920	e422	---	4,070	2,180	1,310	336	160	62	89
30	191	e676	e833	e422	---	4,620	2,000	1,210	314	146	66	136
31	164	---	e818	e416	---	6,460	---	1,070	---	136	67	---
TOTAL	3,967	27,452	46,113	17,581	20,594	55,722	78,180	42,713	27,934	6,208	4,158	2,448
MEAN	128	915	1,488	567	736	1,797	2,606	1,378	931	200	134	81.6
MAX	229	2,010	5,400	954	1,200	6,460	6,780	2,750	2,630	296	230	160
MIN	62	123	331	416	413	447	1,770	666	314	136	62	61
CFSM	0.28	2.00	3.25	1.24	1.61	3.92	5.69	3.01	2.03	0.44	0.29	0.18
IN.	0.32	2.23	3.75	1.43	1.67	4.53	6.35	3.47	2.27	0.50	0.34	0.20

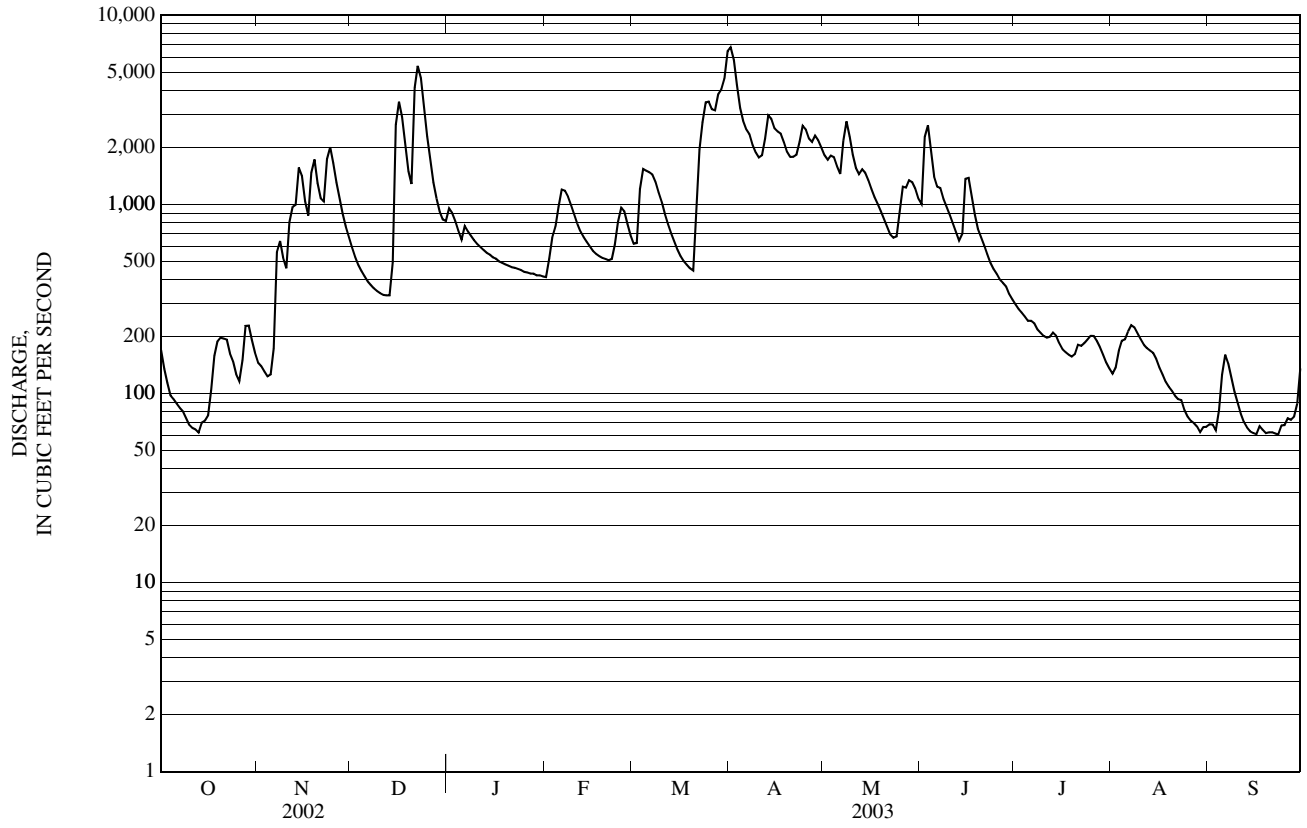
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2003, BY WATER YEAR (WY)

MEAN	528	900	997	789	701	1,210	2,404	1,708	853	456	304	332
MAX	1,867	2,225	2,972	2,059	2,799	3,633	5,836	3,163	3,206	1,189	993	1,624
(WY)	(1919)	(1944)	(1951)	(1958)	(1976)	(1936)	(1920)	(1963)	(1917)	(1947)	(1943)	(1954)
MIN	62.1	76.4	144	146	195	242	1,008	549	228	127	50.0	50.5
(WY)	(2002)	(2002)	(1956)	(1948)	(1940)	(1967)	(1915)	(1966)	(1941)	(1949)	(2001)	(2001)

e Estimated

01021500 MACHIAS RIVER AT WHITNEYVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1906 - 2003	
ANNUAL TOTAL	300,606		333,070			
ANNUAL MEAN	824		913		930	
HIGHEST ANNUAL MEAN					1,498	1973
LOWEST ANNUAL MEAN					542	1966
HIGHEST DAILY MEAN	5,400	Dec 22	6,780	Apr 1	13,900	May 29, 1961
LOWEST DAILY MEAN	45	Sep 11	61	Sep 16	3.5	Oct 12, 1939
ANNUAL SEVEN-DAY MINIMUM	50	Sep 7	63	Sep 16	27	Sep 15, 2001
MAXIMUM PEAK FLOW			6,940	Apr 1	14,800	May 29, 1961
MAXIMUM PEAK STAGE			10.88	Apr 1	16.92	May 29, 1961
INSTANTANEOUS LOW FLOW			57	Sep 16		
ANNUAL RUNOFF (CFSM)	1.80		1.99		2.03	
ANNUAL RUNOFF (INCHES)	24.42		27.05		27.60	
10 PERCENT EXCEEDS	2,160		2,260		2,230	
50 PERCENT EXCEEDS	365		545		553	
90 PERCENT EXCEEDS	73		80		170	



01022220 PLEASANT RIVER NEAR CREBO FLAT, ME

LOCATION.--Lat 44°46'08", long 67°55'23", Washington County, Hydrologic Unit 01050002, on right bank in T18 MDBPP, 7 mi downstream from Pleasant River Lake, 4 mi upstream from Crebo Brook, and 4.5 mi east of Deblois.

DRAINAGE AREA.--25.5 mi^2

PERIOD OF RECORD.--
DISCHARGE: Occasional low-flow measurements, water years 2000-2002. August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Dec. 18-20, Jan. 27 to Feb. 2, and periods of no gage-height record, Nov. 1-4 and Apr. 29 to May 6, which are fair. Satellite gage-height telemeter at station. Records for water year 2002 have not been previously published and are given below.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 325 ft^3/s, Mar. 31, 2003, gage height, 5.38 ft; minimum discharge, 3.3 ft^3/s, Sept. 11, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 21	2200	323	5.37	Mar 31	0445	*325	*5.38

Minimum discharge, 4.1 ft^3/s, Sept. 19-20, 23, gage height, 2.88 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	8.0	e11	43	77	e22	28	283	e87	67	15	9.3	5.8
2	6.7	e11	38	70	e28	32	233	e80	111	14	12	5.4
3	6.3	e11	35	63	34	58	194	e83	94	13	13	5.3
4	6.0	e9.4	35	60	36	60	163	e77	80	13	14	8.3
5	6.6	9.6	32	70	48	57	142	e69	72	12	15	8.7
6	6.6	16	32	65	48	64	133	e64	73	12	17	7.7
7	6.1	30	30	60	43	60	117	133	68	11	17	7.0
8	6.1	31	29	56	41	52	105	129	61	11	17	6.4
9	5.8	30	26	51	38	47	95	116	56	11	18	5.8
10	5.3	32	25	49	35	44	91	104	51	10	17	5.4
11	5.2	42	25	45	33	41	91	92	47	11	16	5.3
12	4.9	44	24	43	32	38	124	90	43	11	16	4.9
13	5.1	56	24	41	30	35	134	87	39	11	16	4.6
14	5.8	72	25	39	28	33	126	80	52	10	15	4.5
15	5.8	64	131	36	26	32	121	73	71	10	14	4.5
16	5.6	56	142	34	25	30	123	67	64	9.9	13	4.6
17	9.9	57	128	34	24	31	117	61	56	9.8	12	4.6
18	9.6	81	e104	33	24	32	107	55	50	9.6	11	4.5
19	11	74	e89	32	26	32	99	51	46	9.5	10	4.3
20	13	64	e82	32	26	31	93	46	42	8.9	9.6	4.7
21	12	58	155	31	25	59	90	41	39	8.7	8.9	4.7
22	12	64	277	29	25	79	90	39	35	11	8.4	4.4
23	11	87	218	28	31	104	110	39	32	12	7.8	4.5
24	11	88	177	27	43	120	114	41	29	13	7.0	5.7
25	9.9	77	145	26	38	118	109	54	27	13	6.6	5.0
26	9.7	67	124	25	35	115	102	57	24	13	6.7	4.7
27	14	60	120	e25	32	159	111	67	22	12	6.7	4.6
28	14	52	104	e24	30	171	109	68	20	12	6.5	6.5
29	14	47	92	e23	---	170	e104	70	18	11	6.1	9.3
30	13	44	79	e23	---	244	e96	67	17	10	6.6	7.7
31	12	---	73	e22	---	318	---	63	---	10	6.2	---
TOTAL	272.0	1,445.0	2,663	1,273	906	2,494	3,726	2,250	1,506	348.4	359.4	169.4
MEAN	8.77	48.2	85.9	41.1	32.4	80.5	124	72.6	50.2	11.2	11.6	5.65
MAX	14	88	277	77	48	318	283	133	111	15	18	9.3
MIN	4.9	9.4	24	22	22	28	90	39	17	8.7	6.1	4.3

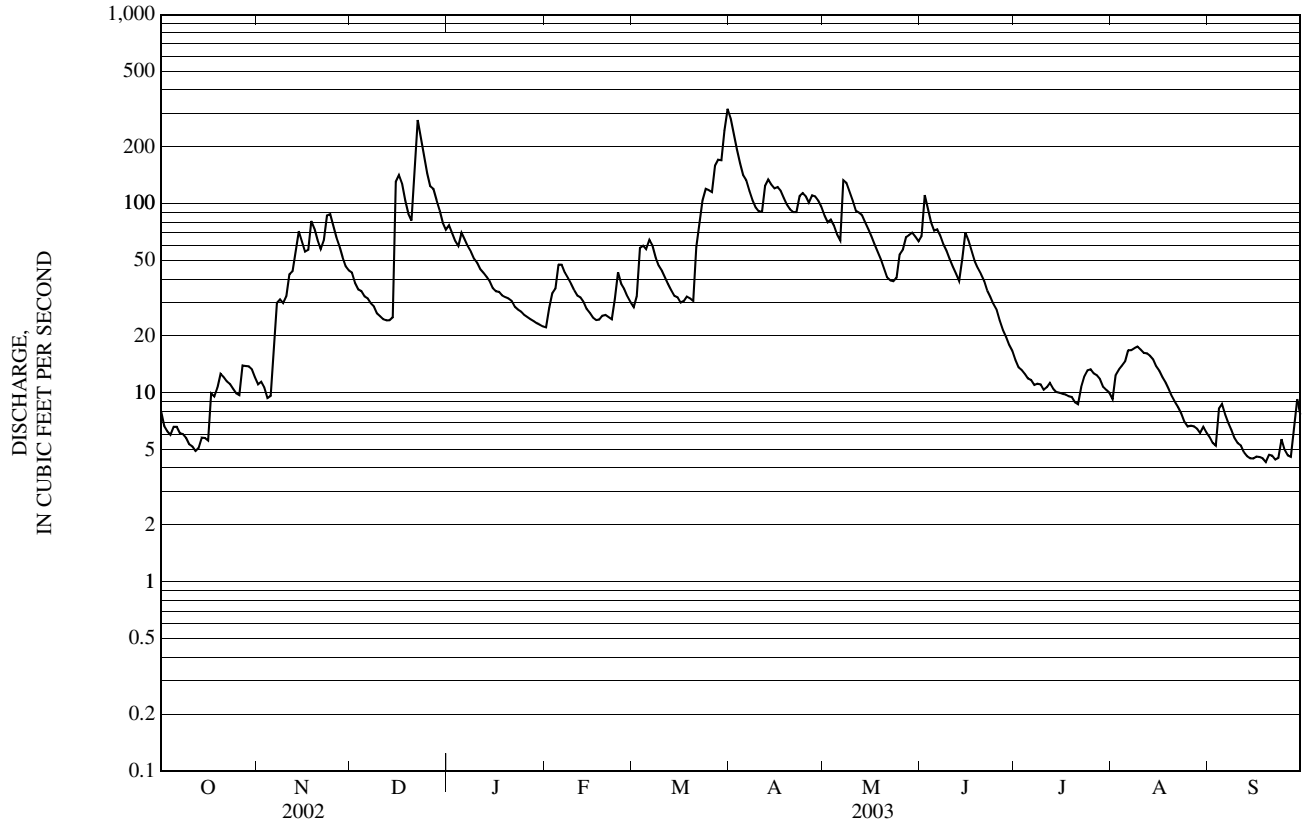
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	8.77	48.2	85.9	41.1	32.4	80.5	124	72.6	50.2	11.2	11.6	5.35
MAX	8.77	48.2	85.9	41.1	32.4	80.5	124	72.6	50.2	11.2	11.6	5.65
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	8.77	48.2	85.9	41.1	32.4	80.5	124	72.6	50.2	11.2	11.6	5.06
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)

e Estimated

01022220 PLEASANT RIVER NEAR CREBO FLAT, ME—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	12.2			
ANNUAL MEAN	47.7		47.7	
HIGHEST ANNUAL MEAN			47.7	2003
LOWEST ANNUAL MEAN			47.7	2003
HIGHEST DAILY MEAN	18 Mar 31		318	Mar 31, 2003
LOWEST DAILY MEAN	4.3	Sep 19	3.7	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	4.5	Sep 13	4.0	Sep 8, 2002
MAXIMUM PEAK FLOW	25 Mar 31		325	Mar 31, 2003
MAXIMUM PEAK STAGE	5.38	Mar 31	5.38	Mar 31, 2003
INSTANTANEOUS LOW FLOW	4.1	Sep 19	3.3	Sep 11, 2002
10 PERCENT EXCEEDS	11		111	
50 PERCENT EXCEEDS	32		32	
90 PERCENT EXCEEDS	6.4		6.4	



01022220 PLEASANT RIVER NEAR CREBO FLAT, ME—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	4.3
2	---	---	---	---	---	---	---	---	---	---	---	4.1
3	---	---	---	---	---	---	---	---	---	---	---	4.3
4	---	---	---	---	---	---	---	---	---	---	---	4.6
5	---	---	---	---	---	---	---	---	---	---	---	4.5
6	---	---	---	---	---	---	---	---	---	---	---	4.3
7	---	---	---	---	---	---	---	---	---	---	---	4.1
8	---	---	---	---	---	---	---	---	---	---	---	3.9
9	---	---	---	---	---	---	---	---	---	---	---	3.9
10	---	---	---	---	---	---	---	---	---	---	---	3.8
11	---	---	---	---	---	---	---	---	---	---	---	3.7
12	---	---	---	---	---	---	---	---	---	---	---	4.7
13	---	---	---	---	---	---	---	---	---	---	---	4.1
14	---	---	---	---	---	---	---	---	---	---	---	4.0
15	---	---	---	---	---	---	---	---	---	---	---	4.2
16	---	---	---	---	---	---	---	---	---	---	---	5.8
17	---	---	---	---	---	---	---	---	---	---	---	6.4
18	---	---	---	---	---	---	---	---	---	---	---	5.6
19	---	---	---	---	---	---	---	---	---	---	---	4.9
20	---	---	---	---	---	---	---	---	---	---	---	4.4
21	---	---	---	---	---	---	---	---	---	---	---	4.1
22	---	---	---	---	---	---	---	---	---	---	---	4.0
23	---	---	---	---	---	---	---	---	---	---	---	5.1
24	---	---	---	---	---	---	---	---	---	---	---	5.5
25	---	---	---	---	---	---	---	---	---	---	---	4.9
26	---	---	---	---	---	---	---	---	---	---	---	4.4
27	---	---	---	---	---	---	---	---	---	---	---	4.3
28	---	---	---	---	---	---	---	---	---	---	---	11
29	---	---	---	---	---	---	---	---	---	---	4.5	9.7
30	---	---	---	---	---	---	---	---	---	---	4.8	9.1
31	---	---	---	---	---	---	---	---	---	---	4.5	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	151.7
MEAN	---	---	---	---	---	---	---	---	---	---	---	5.06
MAX	---	---	---	---	---	---	---	---	---	---	---	11
MIN	---	---	---	---	---	---	---	---	---	---	---	3.7

Wading discharge measurement

Bond Brook in Augusta

August 2003

01022260 PLEASANT RIVER NEAR EPPING, ME

LOCATION.--Lat 44°41'52", long 67°47'16", Washington County, Hydrologic Unit 01050002, on right bank at Saco Falls, 100 ft upstream from East Base Road bridge in Columbia, 0.6 mi upstream from North Branch Pleasant River, and 1.6 mi northeast of the village of Epping.

DRAINAGE AREA.--60.6 mi^2.

PERIOD OF RECORD.--
DISCHARGE: July 1980 to September 1991. October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 127.02 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 3-11, 13, 17-19, and Dec. 25 to Mar. 23, and periods of doubtful gage-height record, Dec. 30 to Jan. 1 and Mar. 23, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,240 ft^3/s, May 13, 1989, gage height, 10.77 ft; minimum discharge, 10 ft^3/s, Dec. 2, 2002, gage height, 4.72 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 440 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 23	0130	709	8.98	Mar 31	2230	*771	9.20
Mar 4	0615	Ice Jam	*9.31				

Minimum discharge, 10 ft^3/s, Dec. 2, gage height, 4.72 ft, result of freezup.

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	45	39	115	e171	e55	e77	699	207	148	37	22	18
2	36	39	96	e159	e70	e90	635	191	202	34	27	17
3	32	37	e87	e147	e76	e161	502	189	243	32	41	16
4	29	35	e82	e139	e89	e220	420	190	267	30	40	22
5	28	36	e77	e144	e118	e156	366	180	240	29	38	48
6	29	56	e72	e135	e117	e160	321	167	204	28	45	49
7	28	136	e70	e124	e106	e145	289	205	183	27	50	35
8	26	152	e66	e116	e98	e129	266	256	166	26	46	25
9	23	134	e62	e110	e91	e113	241	300	145	27	44	22
10	22	128	e59	e104	e85	e102	222	287	131	27	42	20
11	21	157	e54	e98	e80	e94	211	246	116	26	39	19
12	21	177	55	e93	e75	e87	232	219	106	29	36	18
13	21	193	e56	e89	e71	e82	273	211	96	31	35	17
14	24	217	85	e85	e67	e77	318	208	111	29	33	16
15	27	226	214	e82	e62	e74	322	196	170	27	31	16
16	27	221	255	e78	e59	e72	299	176	190	25	29	17
17	44	197	e306	e76	e57	e71	276	158	172	26	27	18
18	69	211	e332	e73	e55	e77	257	141	136	26	26	18
19	60	228	e286	e71	e55	e84	236	128	115	26	25	17
20	56	235	261	e69	e56	e76	216	117	107	26	23	18
21	53	221	323	e67	e57	e128	201	107	95	24	23	21
22	46	201	506	e65	e58	e212	192	99	87	23	22	21
23	41	215	667	e64	e65	e309	206	99	79	27	22	20
24	38	233	507	e62	e83	397	233	107	74	33	21	22
25	36	243	e375	e61	e98	484	255	137	69	36	19	26
26	33	231	e296	e59	e113	475	250	168	61	34	19	23
27	51	199	e271	e58	e97	430	243	181	54	31	19	22
28	68	156	e249	e57	e86	452	242	187	49	30	20	24
29	57	134	e221	e57	---	542	242	185	44	28	19	37
30	48	126	e187	e56	---	538	228	174	40	24	18	44
31	42	---	e170	e56	---	671	---	158	---	23	19	---
TOTAL	1,181	4,813	6,462	2,825	2,199	6,785	8,893	5,574	3,900	881	920	706
MEAN	38.1	160	208	91.1	78.5	219	296	180	130	28.4	29.7	23.5
MAX	69	243	667	171	118	671	699	300	267	37	50	49
MIN	21	35	54	56	55	71	192	99	40	23	18	16
CFSM	0.63	2.65	3.44	1.50	1.30	3.61	4.89	2.97	2.15	0.47	0.49	0.39
IN.	0.72	2.95	3.97	1.73	1.35	4.17	5.46	3.42	2.39	0.54	0.56	0.43

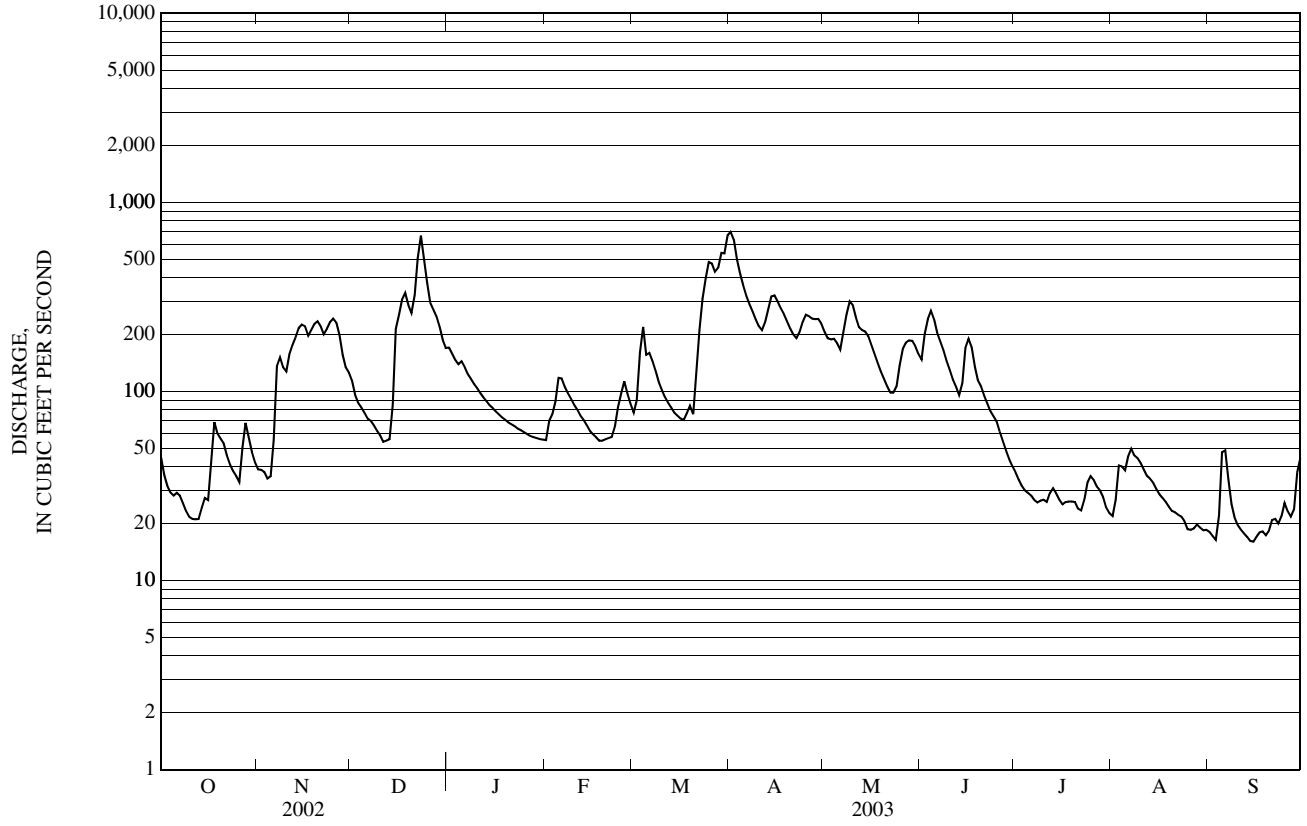
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	74.4	142	162	96.1	148	200	308	182	113	62.2	58.5	55.9
MAX	180	267	315	159	352	314	477	459	270	149	144	140
(WY)	(1982)	(1989)	(1984)	(1982)	(1981)	(1991)	(1982)	(1989)	(1984)	(1984)	(1986)	(1981)
MIN	18.6	22.9	41.9	42.0	70.3	104	129	116	49.1	24.5	14.9	17.8
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(1985)	(2001)	(1988)	(2001)	(2001)	(2001)

e Estimated

01022260 PLEASANT RIVER NEAR EPPING, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	47,460		45,139			
ANNUAL MEAN	130		124		133	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					83.9	2001
HIGHEST DAILY MEAN	667	Dec 23	699	Apr 1	1,210	May 13, 1989
LOWEST DAILY MEAN	15	Aug 22	16	Sep 3	12	Sep 14, 2001
ANNUAL SEVEN-DAY MINIMUM	16	Aug 18	17	Sep 13	12	Sep 14, 2001
MAXIMUM PEAK FLOW			771	Mar 31	1,240	May 13, 1989
MAXIMUM PEAK STAGE			9.31	Mar 4	10.77	May 13, 1989
INSTANTANEOUS LOW FLOW			10	Dec 2	10	Dec 2, 2002
ANNUAL RUNOFF (CFSM)	2.15		2.04		2.20	
ANNUAL RUNOFF (INCHES)	29.13		27.71		29.91	
10 PERCENT EXCEEDS	305		259		295	
50 PERCENT EXCEEDS	70		78		90	
90 PERCENT EXCEEDS	21		23		32	



01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'35", long 68°06'20", Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the West Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.042 mi^2. Furnished by U.S. Environmental Protection Agency.

PERIOD OF RECORD.--
DISCHARGE: March 1988 to current year.

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 906.55 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft^3/s and 0.050 ft^3/s, which are fair, and for flows below 0.050 ft^3/s, periods of ice effect, Dec. 25-27, Jan. 4 to Mar. 2, Mar. 8-16, periods of doubtful stage-discharge relation, Oct. 19-20, Oct. 28 to Nov. 4, Nov. 6, Dec. 14-15, Mar. 21-22, May 12-25, Sept. 28-29, and periods of no gage-height record, Nov. 7, 9,18-20, 22-24, May 27, and June 24, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18.6 ft^3/s, Mar. 9, 1998, gage height, 6.91 ft; no flow for many days in 1988-2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 20	2320	*6.33	*6.16	Mar 29	2315	3.74	5.94

No flow for many days in October, July, August, and September.

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	0.000	e0.004	0.061	0.13	e0.013	e0.029	0.32	0.11	0.31	0.001	0.000	0.000
2	0.000	e0.004	0.051	0.087	e0.013	e0.051	0.21	0.12	0.70	0.000	0.001	0.000
3	0.000	e0.003	0.042	0.069	e0.013	0.12	0.17	0.13	0.23	0.000	0.000	0.000
4	0.000	e0.003	0.032	e0.062	e0.072	0.061	0.14	0.11	0.14	0.000	0.000	0.000
5	0.000	0.003	0.029	e0.055	e0.14	0.079	0.12	0.094	0.12	0.004	0.001	0.000
6	0.000	e0.041	0.028	e0.051	e0.059	0.10	0.10	0.14	0.16	0.006	0.008	0.000
7	0.000	e0.049	0.026	e0.046	e0.045	0.065	0.089	0.49	0.10	0.001	0.008	0.000
8	0.000	0.030	0.026	e0.043	e0.038	e0.055	0.084	0.24	0.087	0.000	0.020	0.000
9	0.000	e0.098	0.023	e0.040	e0.033	e0.049	0.081	0.17	0.080	0.000	0.024	0.000
10	0.000	0.26	0.022	e0.037	e0.030	e0.043	0.11	0.13	0.069	0.000	0.012	0.000
11	0.000	0.32	0.022	e0.034	e0.029	e0.038	0.16	0.11	0.053	0.000	0.008	0.000
12	0.000	0.29	0.023	e0.031	e0.028	e0.035	0.46	e0.16	0.045	0.000	0.008	0.000
13	0.000	0.46	0.023	e0.029	e0.027	e0.032	0.45	e0.15	0.034	0.000	0.008	0.000
14	0.000	0.41	e0.68	e0.028	e0.027	e0.029	0.37	e0.12	0.18	0.000	0.004	0.000
15	0.000	0.19	e0.76	e0.027	e0.026	e0.028	0.39	e0.10	0.17	0.000	0.002	0.000
16	0.000	0.12	0.24	e0.025	e0.025	e0.029	0.52	e0.091	0.12	0.000	0.001	0.000
17	0.001	0.11	0.14	e0.024	e0.024	0.062	0.28	e0.082	0.081	0.000	0.000	0.000
18	0.001	e0.11	0.10	e0.023	e0.023	0.076	0.20	e0.074	0.060	0.000	0.000	0.000
19	e0.004	e0.074	0.088	e0.022	e0.022	0.062	0.18	e0.066	0.062	0.000	0.000	0.000
20	e0.009	e0.13	0.69	e0.021	e0.022	0.059	0.20	e0.059	0.047	0.000	0.000	0.000
21	0.002	0.17	1.78	e0.020	e0.026	e0.40	0.18	e0.051	0.036	0.000	0.000	0.000
22	0.000	e0.85	0.39	e0.019	e0.026	e0.42	0.18	e0.045	0.032	0.000	0.000	0.000
23	0.000	e0.96	0.23	e0.018	e0.065	0.66	0.29	e0.046	0.027	0.000	0.000	0.000
24	0.000	e0.29	0.18	e0.018	e0.064	0.41	0.27	e0.070	e0.019	0.000	0.000	0.000
25	0.000	0.17	e0.12	e0.017	e0.039	0.28	0.25	e0.11	0.017	0.000	0.000	0.000
26	0.000	0.13	e0.096	e0.016	e0.033	0.24	0.19	0.097	0.012	0.000	0.000	0.000
27	0.004	0.10	e0.081	e0.015	e0.031	0.65	0.32	e0.19	0.008	0.000	0.000	0.000
28	e0.008	0.082	0.071	e0.015	e0.030	0.55	0.25	0.15	0.005	0.000	0.000	e0.012
29	e0.005	0.068	0.066	e0.014	---	1.11	0.18	0.16	0.004	0.000	0.000	e0.052
30	e0.004	0.065	0.059	e0.014	---	2.16	0.13	0.13	0.002	0.000	0.000	0.016
31	e0.004	---	0.058	e0.013	---	0.82	---	0.13	---	0.000	0.000	---
TOTAL	0.042	5.594	6.237	1.063	1.023	8.802	6.874	3.925	3.010	0.012	0.105	0.080
MEAN	0.001	0.19	0.20	0.034	0.037	0.28	0.23	0.13	0.10	0.000	0.003	0.003
MAX	0.009	0.96	1.78	0.13	0.14	2.16	0.52	0.49	0.70	0.006	0.024	0.052
MIN	0.000	0.003	0.022	0.013	0.013	0.028	0.081	0.045	0.002	0.000	0.000	0.000

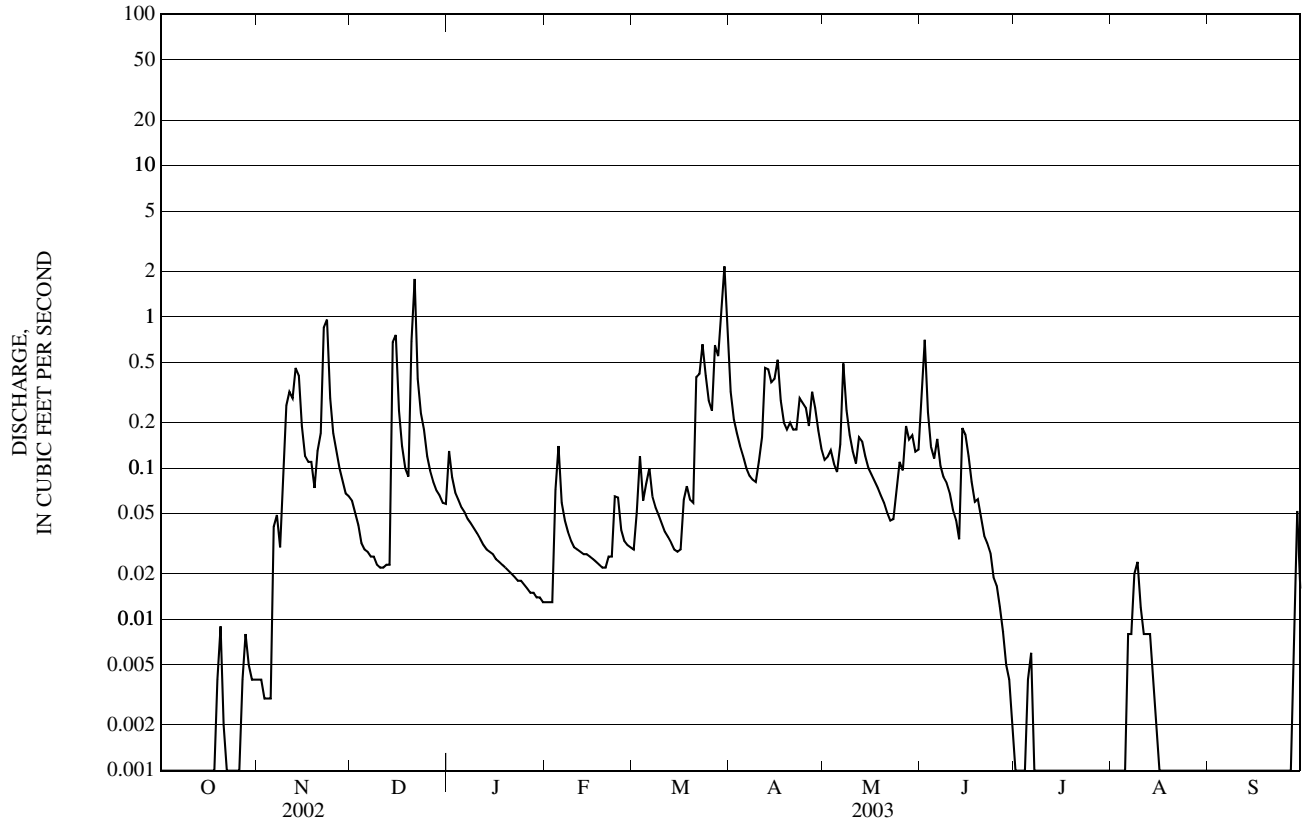
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	0.065	0.16	0.14	0.13	0.089	0.22	0.25	0.15	0.058	0.023	0.004	0.014
MAX	0.16	0.34	0.39	0.37	0.22	0.49	0.45	0.49	0.18	0.25	0.018	0.071
(WY)	(1992)	(1996)	(1997)	(1996)	(2002)	(1998)	(1993)	(1989)	(1998)	(1996)	(1992)	(1999)
MIN	0.000	0.001	0.032	0.016	0.021	0.022	0.10	0.035	0.009	0.000	0.000	0.000
(WY)	(2002)	(2002)	(1990)	(2001)	(2001)	(2001)	(1999)	(2001)	(1991)	(1991)	(1993)	(1993)

e Estimated

01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	40.940		36.750			
ANNUAL MEAN	0.11		0.10		0.11	
HIGHEST ANNUAL MEAN					0.17	1996
LOWEST ANNUAL MEAN					0.060	2001
HIGHEST DAILY MEAN	2.31	Feb 27	2.16	Mar 30	5.00	Mar 27, 1988
LOWEST DAILY MEAN	0.000	Jun 30	0.000	Oct 1	0.000	Jun 14, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 21	0.00	Oct 1	0.00	Jun 14, 1988
MAXIMUM PEAK FLOW			6.3	Dec 20	19	Mar 9, 1998
MAXIMUM PEAK STAGE			6.16	Dec 20	6.91	Mar 9, 1998
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Jun 20, 1988
10 PERCENT EXCEEDS	0.28		0.25		0.25	
50 PERCENT EXCEEDS	0.029		0.030		0.042	
90 PERCENT EXCEEDS	0.000		0.000		0.000	



01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'34", long 68°06'23", Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the East Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.040 mi^2. Furnished by U.S. Environmental Protection Agency.

PERIOD OF RECORD.--
DISCHARGE: March 1988 to current year.

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 912.72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft^3/s and 0.050 ft^3/s, which are fair, and flows below 0.050 ft^3/s, periods of ice effect, Dec. 25-31, Jan. 3 to Mar. 2, Mar. 8-16, periods of doubtful stage-discharge relation, Oct. 1 to Nov. 4, July 5, Sept. 28, and periods of no gage-height record, Nov. 6-7, 9, 18-20, 22-24, Dec. 25, and May 27, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16.4 ft^3/s, Mar. 9, 1998, gage height, 6.75 ft; no flow, Aug. 1 and 2, 1991 Aug. 27 to Sept. 1, 1993, and Aug. 23-27, Aug. 29 to Sept. 10, and Sept. 12-14, 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 21	0100	*5.20	*6.07	Mar 29	2345	3.12	5.88

Minimum discharge, 0.001 ft^3/s, Sept. 19, 5.03 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	e0.007	e0.012	0.064	0.12	e0.016	e0.027	0.32	0.11	0.28	0.009	0.005	0.002
2	e0.006	e0.011	0.054	0.085	e0.016	e0.043	0.21	0.11	0.73	0.008	0.017	0.002
3	e0.007	e0.010	0.051	e0.071	e0.016	0.094	0.17	0.12	0.23	0.008	0.009	0.002
4	e0.006	e0.009	0.045	e0.066	e0.060	0.053	0.14	0.11	0.14	0.007	0.008	0.017
5	e0.011	0.008	0.041	e0.061	e0.11	0.071	0.12	0.094	0.12	e0.013	0.010	0.006
6	e0.009	e0.040	0.037	e0.055	e0.051	0.10	0.11	0.13	0.16	0.017	0.022	0.004
7	e0.009	e0.037	0.034	e0.051	e0.039	0.070	0.096	0.43	0.11	0.009	0.015	0.003
8	e0.008	0.027	0.034	e0.046	e0.035	e0.059	0.093	0.22	0.095	0.009	0.024	0.002
9	e0.007	e0.058	0.029	e0.042	e0.033	e0.052	0.089	0.15	0.088	0.008	0.023	0.002
10	e0.006	0.21	0.028	e0.039	e0.031	e0.045	0.11	0.12	0.077	0.007	0.015	0.002
11	e0.005	0.25	0.027	e0.036	e0.030	e0.040	0.14	0.11	0.064	0.010	0.012	0.002
12	e0.005	0.28	0.028	e0.033	e0.029	e0.035	0.39	0.15	0.056	0.011	0.011	0.002
13	e0.005	0.41	0.029	e0.031	e0.028	e0.032	0.38	0.14	0.043	0.008	0.010	0.002
14	e0.010	0.39	0.57	e0.030	e0.028	e0.030	0.32	0.11	0.17	0.006	0.007	0.002
15	e0.008	0.18	0.68	e0.028	e0.027	e0.034	0.30	0.100	0.15	0.006	0.005	0.002
16	e0.011	0.11	0.23	e0.027	e0.027	e0.035	0.50	0.091	0.11	0.006	0.005	0.002
17	e0.027	0.093	0.14	e0.026	e0.026	0.054	0.27	0.084	0.079	0.007	0.004	0.002
18	e0.019	e0.091	0.10	e0.024	e0.025	0.062	0.19	0.078	0.063	0.006	0.004	0.002
19	e0.015	e0.066	0.088	e0.023	e0.025	0.051	0.18	0.071	0.064	0.006	0.003	0.001
20	e0.023	e0.11	0.53	e0.023	e0.025	0.050	0.20	0.065	0.052	0.004	0.003	0.002
21	e0.015	0.14	1.85	e0.022	e0.028	0.29	0.19	0.058	0.042	0.003	0.002	0.003
22	e0.012	e0.79	0.34	e0.021	e0.028	0.37	0.18	0.054	0.033	0.005	0.002	0.002
23	e0.011	e0.92	0.19	e0.020	e0.056	0.62	0.30	0.056	0.030	0.008	0.002	0.003
24	e0.010	e0.28	0.14	e0.019	e0.055	0.38	0.26	0.069	0.027	0.012	0.002	0.004
25	e0.010	0.16	e0.12	e0.019	e0.036	0.24	0.23	0.10	0.023	0.009	0.002	0.002
26	e0.012	0.12	e0.100	e0.018	e0.029	0.19	0.18	0.087	0.021	0.007	0.002	0.003
27	e0.032	0.097	e0.087	e0.018	e0.028	0.57	0.29	e0.17	0.017	0.009	0.002	0.003
28	e0.023	0.082	e0.080	e0.018	e0.027	0.48	0.22	0.12	0.014	0.008	0.002	e0.026
29	e0.018	0.071	e0.074	e0.017	---	0.83	0.17	0.13	0.012	0.006	0.002	0.071
30	e0.015	0.068	e0.069	e0.017	---	2.04	0.13	0.11	0.011	0.005	0.003	0.031
31	e0.013	---	e0.065	e0.017	---	0.83	---	0.12	---	0.005	0.002	---
TOTAL	0.375	5.130	5.954	1.123	0.964	7.877	6.478	3.667	3.111	0.242	0.235	0.209
MEAN	0.012	0.17	0.19	0.036	0.034	0.25	0.22	0.12	0.10	0.008	0.008	0.007
MAX	0.032	0.92	1.85	0.12	0.11	2.04	0.50	0.43	0.73	0.017	0.024	0.071
MIN	0.005	0.008	0.027	0.017	0.016	0.027	0.089	0.054	0.011	0.003	0.002	0.001

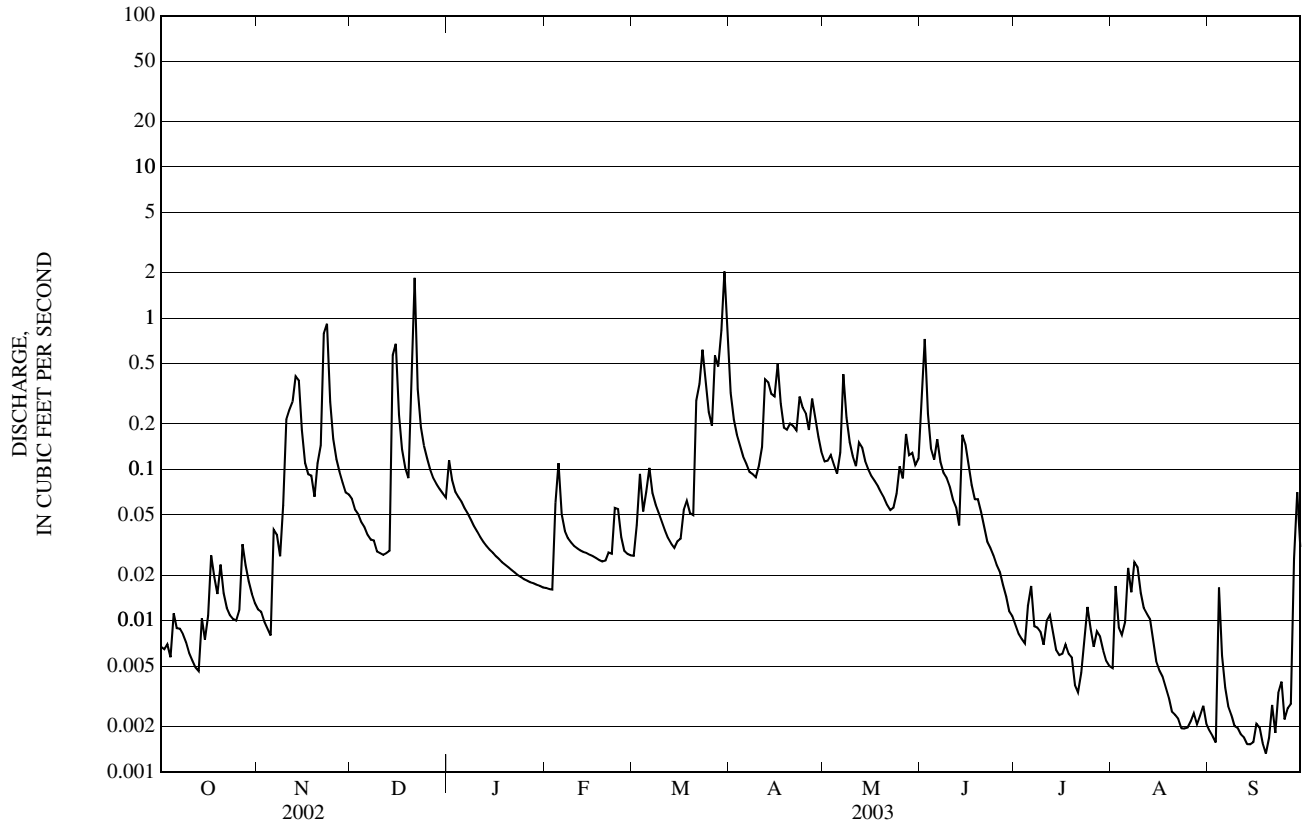
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	0.065	0.15	0.13	0.12	0.086	0.20	0.25	0.15	0.060	0.031	0.009	0.019
MAX	0.15	0.32	0.38	0.32	0.23	0.51	0.47	0.51	0.14	0.22	0.025	0.082
(WY)	(1991)	(1996)	(1994)	(1996)	(1998)	(1998)	(1993)	(1989)	(1998)	(1996)	(1992)	(1999)
MIN	0.001	0.004	0.035	0.020	0.017	0.017	0.11	0.050	0.017	0.005	0.001	0.002
(WY)	(2002)	(2002)	(1990)	(1989)	(2001)	(2001)	(1999)	(2001)	(1988)	(1991)	(2001)	(2000)

e Estimated

01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	39.200		35.400			
ANNUAL MEAN	0.11		0.097		0.11	
HIGHEST ANNUAL MEAN					0.15	1996
LOWEST ANNUAL MEAN					0.056	2001
HIGHEST DAILY MEAN	2.02	Feb 27	2.04	Mar 30	4.20	Mar 27, 1988
LOWEST DAILY MEAN	0.000	Aug 9	0.000	Oct 12	0.000	Jul 16, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 9	0.00	Aug 16	0.00	Aug 2, 1990
MAXIMUM PEAK FLOW			5.2	Dec 21	16	Mar 9, 1998
MAXIMUM PEAK STAGE			6.07	Dec 21	6.75	Mar 9, 1998
INSTANTANEOUS LOW FLOW			0.00	Sep 19	0.00	Aug 1, 1991
10 PERCENT EXCEEDS	0.25		0.23		0.23	
50 PERCENT EXCEEDS	0.030		0.032		0.047	
90 PERCENT EXCEEDS	0.003		0.003		0.004	



01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME

LOCATION.--Lat 44°46'26", long 68°00'48", Washington County, Hydrologic Unit 01050002, on left bank 30 ft upstream from State Route 193 highway bridge at Deblois.

DRAINAGE AREA.--96.5 mi^2.

PERIOD OF RECORD.--
DISCHARGE: September 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 18.34 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 29 to Dec. 20, Dec. 26 to Mar. 22, and period of doubtful stage-discharge relation, Aug. 19 to Sept. 30, which are fair. Satellite gage-height telemeter at station. Records for water year 2002 have not been previously published and are given below.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,880 ft^3/s, Mar. 31, 2003, gage height, 5.31 ft; minimum discharge, 14 ft^3/s, Sept. 10-11, 2002, gage height, 1.37 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 22	0615	1,420	4.90	Mar 31	1545	*1,880	*5.31

Minimum daily discharge, 20 ft^3/s, Sept. 2-3, 13-16, and 18-19.

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	40	39	e137	e230	e70	e88	1,580	376	303	56	31	e21
2	38	40	e126	e212	e81	e104	1,160	349	440	52	44	e20
3	37	35	e116	e196	e104	e170	850	336	547	48	49	e20
4	31	32	e108	e183	e106	e171	665	314	453	48	46	e34
5	31	34	e102	e214	e170	e184	555	287	349	47	45	e52
6	31	45	e97	e198	e181	e201	482	269	306	53	50	e42
7	27	79	e93	e182	e210	e177	424	402	283	49	50	e36
8	26	77	e90	e169	e207	e159	378	461	251	46	51	e31
9	23	78	e87	e157	e167	e144	346	407	220	45	55	e27
10	22	78	e84	e146	e137	e132	327	341	194	41	53	e24
11	22	98	e82	e136	e115	e121	331	295	171	40	50	e22
12	22	123	e80	e127	e103	e113	407	288	155	43	47	e22
13	21	164	e79	e120	e96	e104	514	295	137	42	45	e20
14	24	210	e146	e114	e91	e97	542	293	160	40	43	e20
15	22	225	e454	e108	e87	e92	515	277	238	37	39	e20
16	22	201	e714	e103	e83	e88	515	250	270	36	36	e20
17	35	184	e608	e98	e80	e87	520	224	238	36	34	e21
18	36	198	e441	e95	e79	e93	468	202	196	35	32	e20
19	39	200	e342	e91	e77	e96	410	183	168	36	e30	e20
20	47	194	e291	e87	e76	e103	375	168	148	35	e31	e21
21	48	184	916	e85	e76	e150	368	153	130	35	e29	e23
22	50	191	1,360	e82	e76	e225	380	140	118	40	e27	e22
23	48	280	1,040	e79	e93	351	430	140	108	43	e26	e21
24	44	379	728	e77	e132	487	481	145	100	47	e23	e26
25	40	376	525	e76	e159	562	492	173	91	48	e22	e27
26	39	314	e412	e75	e163	573	469	189	85	44	e21	e25
27	48	257	e345	e74	e132	626	466	222	79	42	e23	e24
28	46	209	e299	e73	e104	740	495	254	73	41	e23	e34
29	45	e175	e265	e72	---	815	490	265	64	36	e21	e84
30	43	e153	e237	e71	---	1,060	431	253	60	33	e22	e104
31	40	---	e221	e71	---	1,720	---	252	---	32	e21	---
TOTAL	1,087	4,852	10,625	3,801	3,255	9,833	15,866	8,203	6,135	1,306	1,119	903
MEAN	35.1	162	343	123	116	317	529	265	204	42.1	36.1	30.1
MAX	50	379	1,360	230	210	1,720	1,580	461	547	56	55	104
MIN	21	32	79	71	70	87	327	140	60	32	21	20
CFSM	0.36	1.68	3.55	1.27	1.20	3.29	5.48	2.74	2.12	0.44	0.37	0.31
IN.	0.42	1.87	4.10	1.47	1.25	3.79	6.12	3.16	2.36	0.50	0.43	0.35

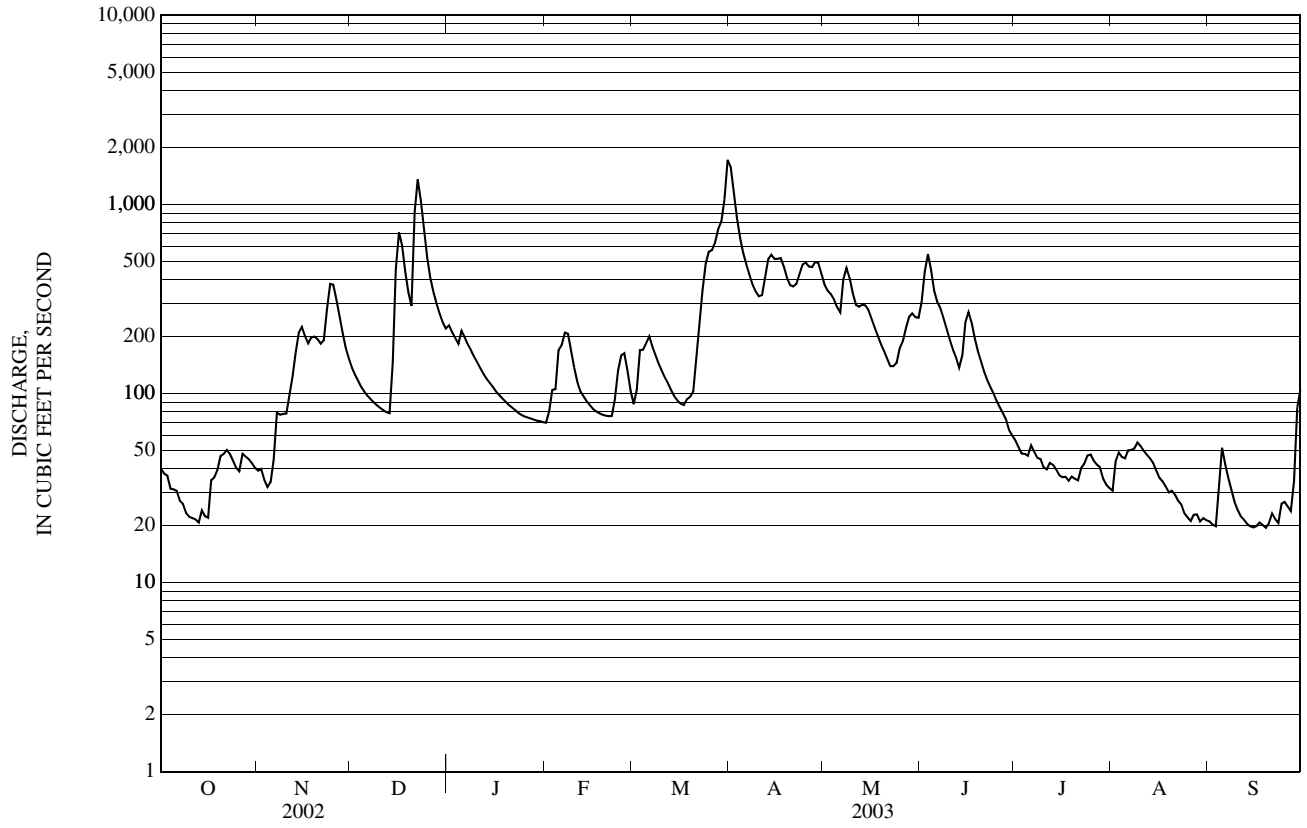
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	35.1	162	343	123	116	317	529	265	204	42.1	36.1	26.0
MAX	35.1	162	343	123	116	317	529	265	204	42.1	36.1	30.1
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	35.1	162	343	123	116	317	529	265	204	42.1	36.1	21.9
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)

e Estimated

01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	85			
ANNUAL MEAN	84		184	
HIGHEST ANNUAL MEAN			184	2003
LOWEST ANNUAL MEAN			184	2003
HIGHEST DAILY MEAN	20	Mar 31	1,720	Mar 31, 2003
LOWEST DAILY MEAN	20	Sep 2	15	Sep 8, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Sep 13	16	Sep 7, 2002
MAXIMUM PEAK FLOW	80	Mar 31	1,880	Mar 31, 2003
MAXIMUM PEAK STAGE	5.31	Mar 31	5.31	Mar 31, 2003
INSTANTANEOUS LOW FLOW			14	Sep 9, 2002
ANNUAL RUNOFF (CFSM)	1.90		1.90	
ANNUAL RUNOFF (INCHES)	25.82		25.84	
10 PERCENT EXCEEDS	53		453	
50 PERCENT EXCEEDS	00		100	
90 PERCENT EXCEEDS	26		26	



01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	16
2	---	---	---	---	---	---	---	---	---	---	---	16
3	---	---	---	---	---	---	---	---	---	---	---	17
4	---	---	---	---	---	---	---	---	---	---	---	19
5	---	---	---	---	---	---	---	---	---	---	---	19
6	---	---	---	---	---	---	---	---	---	---	---	18
7	---	---	---	---	---	---	---	---	---	---	---	16
8	---	---	---	---	---	---	---	---	---	---	---	15
9	---	---	---	---	---	---	---	---	---	---	---	15
10	---	---	---	---	---	---	---	---	---	---	---	15
11	---	---	---	---	---	---	---	---	---	---	---	15
12	---	---	---	---	---	---	---	---	---	---	---	19
13	---	---	---	---	---	---	---	---	---	---	---	16
14	---	---	---	---	---	---	---	---	---	---	---	16
15	---	---	---	---	---	---	---	---	---	---	---	16
16	---	---	---	---	---	---	---	---	---	---	---	24
17	---	---	---	---	---	---	---	---	---	---	---	25
18	---	---	---	---	---	---	---	---	---	---	---	23
19	---	---	---	---	---	---	---	---	---	---	---	22
20	---	---	---	---	---	---	---	---	---	---	---	21
21	---	---	---	---	---	---	---	---	---	---	---	20
22	---	---	---	---	---	---	---	---	---	---	---	20
23	---	---	---	---	---	---	---	---	---	---	---	24
24	---	---	---	---	---	---	---	---	---	---	---	28
25	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	24
27	---	---	---	---	---	---	---	---	---	---	---	24
28	---	---	---	---	---	---	---	---	---	---	---	45
29	---	---	---	---	---	---	---	---	---	---	---	43
30	---	---	---	---	---	---	---	---	---	---	---	41
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	657
MEAN	---	---	---	---	---	---	---	---	---	---	---	21.9
MAX	---	---	---	---	---	---	---	---	---	---	---	45
MIN	---	---	---	---	---	---	---	---	---	---	---	15
CFSM	---	---	---	---	---	---	---	---	---	---	---	0.23
IN.	---	---	---	---	---	---	---	---	---	---	---	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2002, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	21.9
MAX	---	---	---	---	---	---	---	---	---	---	---	21.9
(WY)	---	---	---	---	---	---	---	---	---	---	---	(2002)
MIN	---	---	---	---	---	---	---	---	---	---	---	21.9
(WY)	---	---	---	---	---	---	---	---	---	---	---	(2002)

Ground Water Quality Sampling
Acadia National Park
December 2003

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44°36'29", long 67°56'10", Washington County, Hydrologic Unit 01050002, on left bank 800 ft upstream from railroad bridge at Cherryfield, and 0.7 mi downstream from West Branch of Narraguagus River.

DRAINAGE AREA.--227 mi^2.

PERIOD OF RECORD.--
DISCHARGE: February 1948 to current year.
CHEMICAL ANALYSES: Water years 1954, 1978 to 1986.
SPECIFIC CONDUCTANCE: January 1978 to September 1981.
WATER TEMPERATURE: January 1978 to September 1981.

REVISED RECORDS.--WSP 1301: 1948(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 44.21 ft above National Geodetic Vertical Datum of 1929. Prior to July 1, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 29 to Dec. 14 and Dec. 25 to Mar. 23, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s, May 28, 1961, gage height, 17.40 ft; minimum discharge, 3.0 ft^3/s, Sept. 2, 4-5, 1978, gage height, 6.41 ft, caused by construction of ice retention dam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 21	1845	3,300	12.89	Mar 31	1945	*3,570	*13.13

Minimum discharge, 33 ft^3/s, Sept. 16, 19, gage height, 7.06 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	89	97	e292	e547	e179	e230	3,230	748	518	99	52	37
2	78	98	e258	e524	e200	e251	2,520	697	904	92	73	36
3	73	89	e235	e468	e234	e611	1,850	727	957	86	95	35
4	67	81	e218	e421	e237	e698	1,450	676	852	83	90	61
5	64	89	e204	e378	e371	e606	1,190	602	672	87	85	97
6	64	159	e194	e448	e415	e620	1,030	545	634	83	91	75
7	60	440	e187	e417	e395	e551	903	1,080	585	83	98	64
8	55	393	e180	e393	e359	e486	828	1,230	512	77	94	55
9	50	328	e174	e364	e324	e416	763	1,020	451	75	93	48
10	47	343	e170	e341	e289	e360	727	804	401	75	95	43
11	45	477	e167	e317	e259	e312	762	661	349	77	88	40
12	44	482	e165	e299	e237	e272	1,150	639	320	75	85	38
13	43	613	e166	e282	e220	e243	1,400	697	287	79	87	36
14	49	901	e352	e268	e208	e219	1,260	656	360	73	80	35
15	51	754	1,500	e256	e198	e204	1,130	605	623	68	71	35
16	51	592	1,640	e247	e192	e190	1,060	541	602	66	64	35
17	109	557	1,530	e236	e186	e190	1,040	480	508	66	59	37
18	132	912	1,120	e228	e181	e200	945	432	410	65	56	36
19	119	829	811	e218	e178	e211	836	391	354	63	52	34
20	118	659	768	e212	e177	e205	743	355	317	62	53	37
21	115	582	2,710	e206	e176	e635	700	326	286	60	54	41
22	107	613	2,910	e201	e174	e1,160	696	300	249	63	49	38
23	102	1,000	2,380	e197	e220	e1,490	870	297	221	78	46	37
24	94	1,060	1,690	e194	e359	1,810	1,020	330	200	87	42	47
25	88	929	e1,140	e191	e390	1,790	1,010	488	180	90	39	47
26	85	755	e757	e188	e343	1,680	942	547	161	84	38	45
27	126	610	e632	e186	e300	1,870	997	590	145	75	41	42
28	143	491	e555	e184	e259	2,240	1,070	635	131	71	41	61
29	125	e407	e505	e182	---	2,140	990	631	117	65	37	150
30	111	e342	e470	e180	---	2,470	868	568	106	58	39	184
31	102	---	e466	e179	---	3,430	---	506	---	54	38	---
TOTAL	2,606	15,682	24,546	8,952	7,260	27,790	33,980	18,804	12,412	2,319	2,025	1,606
MEAN	84.1	523	792	289	259	896	1,133	607	414	74.8	65.3	53.5
MAX	143	1,060	2,910	547	415	3,430	3,230	1,230	957	99	98	184
MIN	43	81	165	179	174	190	696	297	106	54	37	34
CFSM	0.37	2.30	3.49	1.27	1.14	3.95	4.99	2.67	1.82	0.33	0.29	0.24
IN.	0.43	2.57	4.02	1.47	1.19	4.55	5.57	3.08	2.03	0.38	0.33	0.26

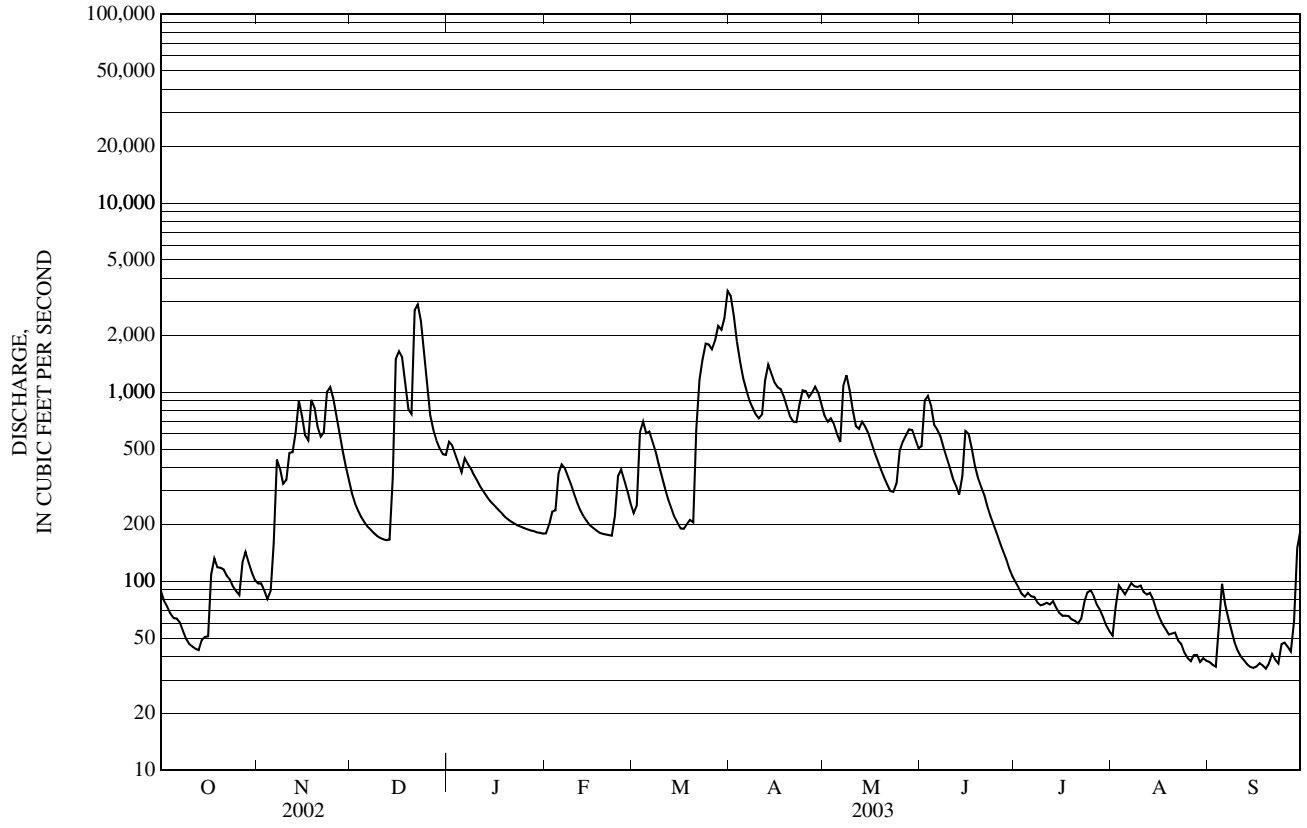
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2003, BY WATER YEAR (WY)

MEAN	258	562	633	503	473	738	1,203	670	338	188	127	159
MAX	1,074	1,317	1,533	1,118	1,125	1,738	1,945	1,962	877	859	526	947
(WY)	(1978)	(1960)	(1970)	(1958)	(1976)	(1998)	(1982)	(1989)	(1984)	(1996)	(1986)	(1954)
MIN	34.3	55.3	87.7	112	121	153	473	299	119	47.2	28.8	32.3
(WY)	(1958)	(2002)	(1956)	(2002)	(1980)	(1967)	(1985)	(1999)	(1964)	(1965)	(1965)	(1968)

e Estimated

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1948 - 2003	
ANNUAL TOTAL	163,570		157,982			
ANNUAL MEAN	448		433		487	
HIGHEST ANNUAL MEAN					761	1973
LOWEST ANNUAL MEAN					256	2001
HIGHEST DAILY MEAN	2,910	Dec 22	3,430	Mar 31	9,490	May 28, 1961
LOWEST DAILY MEAN	29	Aug 21	34	Sep 19	7.1	Sep 5, 1978
ANNUAL SEVEN-DAY MINIMUM	30	Aug 18	35	Sep 13	20	Sep 15, 2001
MAXIMUM PEAK FLOW			3,570	Mar 31	10,400	May 28, 1961
MAXIMUM PEAK STAGE			13.13	Mar 31	17.40	May 28, 1961
INSTANTANEOUS LOW FLOW			33	Sep 16	3.0	Sep 2, 1978
ANNUAL RUNOFF (CFSM)	1.97		1.91		2.15	
ANNUAL RUNOFF (INCHES)	26.81		25.89		29.16	
10 PERCENT EXCEEDS	1,170		1,020		1,140	
50 PERCENT EXCEEDS	204		234		297	
90 PERCENT EXCEEDS	41		49		70	



01022835 CADILLAC BROOK NEAR BAR HARBOR, ME

LOCATION.--Lat 44°20'41", long 68°13'01", Hancock County, Hydrologic Unit 01050002, on right bank 500 ft upstream from confluence with Otter Creek, and 0.5 mi southeast of Cadillac Mountain.

DRAINAGE AREA.--0.123 mi^2. Furnished by University of Maine

PERIOD OF RECORD.--
DISCHARGE: May 1999 to current year.

REVISED RECORDS.--WDR ME-01-1: Gage datum.

GAGE.--Water-stage recorder. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Jan. 4, Jan. 15 to Feb. 4, Feb. 11-22, Feb. 26 to Mar. 1, Mar. 4-5, 9-20, and periods of no gage-height record, Nov. 21-24, Jan. 22-25, Feb. 14-16, 26-28, June 17-18, 20-27, and June 29 to July 2. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32 ft^3/s, Dec. 20, 2002, from rating curve extened above 8.6 ft^3/s, gage height, 1.99 ft; no flow for many days in 1999-2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 14	1700	31[a]	1.98	Apr 12	0550	12[a]	1.73
Dec 20	2245	*32[a]	*1.99	Jun 14	1120	12[a]	1.74
Mar 2	2140	20[a]	1.83	Sep 28	2015	19[a]	1.82
Mar 21	1000	14[a]	1.76				

No flow July 20-21 and Aug. 28 to Sept. 4.

[a] From rating curve extended above 8.6 ft^3/s

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	0.07	0.08	0.10	0.41	e0.005	e0.05	0.40	0.10	1.1	e0.009	0.003	0.001
2	0.05	0.09	0.08	0.24	e0.004	3.1	0.28	0.10	1.5	e0.008	0.005	0.001
3	0.07	0.08	0.06	0.10	e0.004	2.8	0.25	0.15	0.27	0.007	0.005	0.000
4	0.07	0.06	0.05	e0.07	e0.06	e0.46	0.19	0.12	0.12	0.006	0.004	0.11
5	0.12	0.19	0.04	0.06	1.1	e0.42	0.12	0.09	0.20	0.005	0.006	0.09
6	0.14	2.2	0.03	0.06	0.23	1.3	0.10	0.32	0.52	0.005	0.05	0.02
7	0.08	0.91	0.03	0.05	0.11	0.29	0.10	2.5	0.20	0.004	0.11	0.010
8	0.06	0.34	0.03	0.05	0.08	0.16	0.11	0.37	0.12	0.004	0.11	0.006
9	0.04	0.98	0.02	0.05	0.07	e0.14	0.11	0.19	0.11	0.003	0.10	0.004
10	0.03	0.40	0.02	0.04	0.06	e0.12	0.14	0.12	0.10	0.002	0.07	0.004
11	0.03	0.55	0.02	0.04	e0.05	e0.09	0.23	0.09	0.07	0.003	0.05	0.003
12	0.03	0.46	0.02	0.03	e0.04	e0.08	3.6	0.45	0.06	0.003	0.04	0.003
13	0.03	1.9	0.02	0.03	e0.04	e0.06	0.82	0.51	0.05	0.003	0.03	0.003
14	0.15	1.2	7.3	0.03	e0.03	e0.05	0.36	0.25	3.0	0.003	0.02	0.003
15	0.13	0.34	1.5	e0.03	e0.03	e0.05	0.28	0.16	0.78	0.003	0.01	0.003
16	0.51	0.19	0.31	e0.03	e0.03	e0.04	0.43	0.11	0.37	0.002	0.009	0.003
17	3.0	2.3	0.13	e0.02	e0.02	e0.09	0.21	0.09	e0.14	0.002	0.007	0.003
18	0.40	2.1	0.08	e0.02	e0.02	e0.42	0.12	0.08	e0.09	0.002	0.006	0.003
19	0.25	0.41	0.06	e0.02	e0.02	e0.27	0.10	0.07	0.40	0.002	0.005	0.003
20	0.24	0.55	3.4	e0.01	e0.02	e0.22	0.08	0.06	e0.18	0.001	0.004	0.006
21	0.15	e0.51	3.1	e0.01	e0.02	5.9	0.08	0.05	e0.11	0.001	0.003	0.005
22	0.10	e2.1	0.35	e0.01	e0.02	2.6	0.09	0.04	e0.08	0.001	0.003	0.006
23	0.08	e0.89	0.18	e0.010	0.58	2.7	0.81	0.05	e0.06	0.07	0.003	0.009
24	0.07	e0.34	0.11	e0.009	0.84	1.1	0.44	0.33	e0.04	0.11	0.003	0.006
25	0.06	0.19	0.08	e0.008	0.23	0.66	0.31	1.7	e0.04	0.11	0.002	0.005
26	0.58	0.13	0.10	e0.007	e0.15	0.80	0.20	0.48	e0.03	0.05	0.002	0.006
27	1.6	0.10	0.05	e0.007	e0.11	2.5	3.0	0.75	e0.02	0.02	0.002	0.007
28	0.30	0.07	0.05	e0.007	e0.08	1.0	0.50	0.31	0.02	0.01	0.002	2.0
29	0.16	0.06	0.05	e0.006	---	1.5	0.24	0.17	e0.02	0.006	0.001	1.7
30	0.12	0.05	0.04	e0.005	---	5.0	0.14	0.11	e0.01	0.004	0.001	0.28
31	0.09	---	0.04	e0.005	---	1.3	---	0.08	---	0.003	0.001	---
TOTAL	8.81	19.77	17.45	1.474	4.053	35.27	13.84	10.00	9.81	0.462	0.667	4.303
MEAN	0.28	0.66	0.56	0.048	0.14	1.14	0.46	0.32	0.33	0.015	0.022	0.14
MAX	3.0	2.3	7.3	0.41	1.1	5.9	3.6	2.5	3.0	0.11	0.11	2.0
MIN	0.03	0.05	0.02	0.005	0.004	0.04	0.08	0.04	0.01	0.001	0.001	0.000

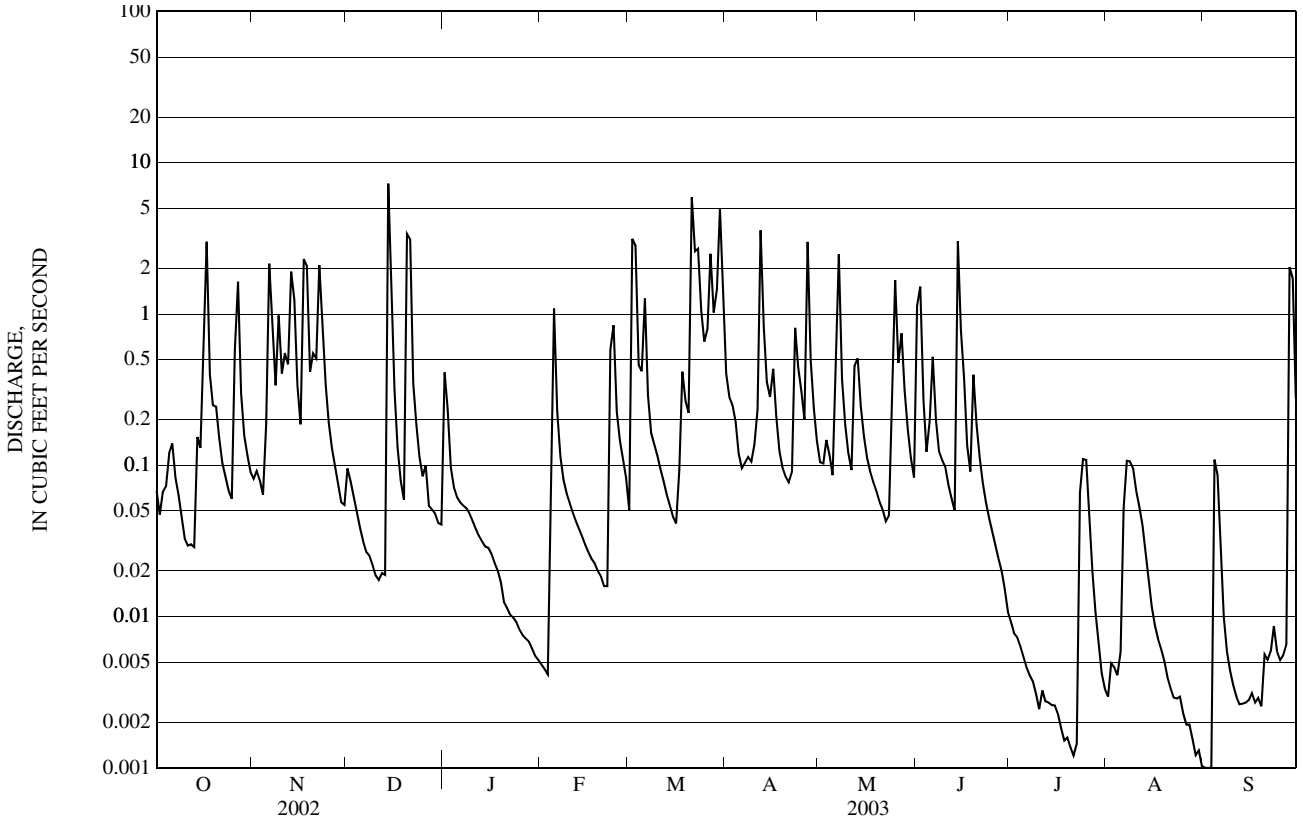
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	0.30	0.45	0.43	0.13	0.38	0.68	0.65	0.26	0.15	0.028	0.006	0.18
MAX	0.51	0.66	0.56	0.21	0.56	1.14	0.95	0.40	0.33	0.11	0.021	0.56
(WY)	(2000)	(2003)	(2003)	(2002)	(2002)	(2003)	(2001)	(2002)	(2003)	(2000)	(2003)	(1999)
MIN	0.065	0.21	0.33	0.048	0.14	0.39	0.46	0.071	0.017	0.000	0.000	0.006
(WY)	(2002)	(2002)	(2002)	(2003)	(2003)	(2001)	(2003)	(2001)	(1999)	(1999)	(2001)	(2001)

e Estimated

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	127.010		125.860			
ANNUAL MEAN	0.35		0.34		0.30	
HIGHEST ANNUAL MEAN					0.34	2003
LOWEST ANNUAL MEAN					0.27	2002
HIGHEST DAILY MEAN	7.6	Mar 27	7.3	Dec 14	7.9	Sep 22, 1999
LOWEST DAILY MEAN	0.000	Jul 11	0.000	Feb 1	0.000	Jul 1, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 11	0.00	Jul 6	0.00	Jul 3, 1999
MAXIMUM PEAK FLOW			32	Dec 20	32	Dec 20, 2002
MAXIMUM PEAK STAGE			1.99	Dec 20	1.99	Dec 20, 2002
INSTANTANEOUS LOW FLOW			0.00	Jul 20	0.00	Jul 7, 1999
10 PERCENT EXCEEDS	0.94		0.90		0.75	
50 PERCENT EXCEEDS	0.09		0.08		0.08	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME

LOCATION.--Lat 44°19'54", long 68°16'47", Hancock County, Hydrologic Unit 01050002, on right bank 300 ft upstream from carriage road in Acadia National Park, and 0.3 mi northwest of Cedar Swamp Mountain.

DRAINAGE AREA.--0.182 mi^2. Furnished by the University of Maine.

PERIOD OF RECORD.--
DISCHARGE: April 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 570 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Nov. 27 to Dec. 14, Dec. 27 to Mar. 20, periods of doubtful stage-discharge relation, Nov. 6-12, Dec. 25-26, Aug. 11-15, and period of no gage-height record, Jan. 23-31. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78 ft^3/s, Dec. 20, 2002, from rating curve extended above 9.8 ft^3/s, gage height, 4.80 ft; maximum gage-height, 4.89 ft, Nov. 6, 2002 (backwater from debris); no flow for many days in 1999, 2001-2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 6	1900	- -[a]	*4.89	Mar 21	0750	54[b]	4.67
Dec 20	2250	*78[b]	4.80				

Minimum discharge, 0.004 ft^3/s, July 19-21, gage height, 3.65 ft.

[a] Backwater from debris
[b] From rating curve extended above 9.8 ft^3/s

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	0.14	0.18	e0.17	e0.70	e0.04	e0.13	0.77	0.26	1.5	0.03	0.03	0.008
2	0.11	0.16	e0.15	e0.41	e0.04	e5.8	0.51	0.24	2.2	0.03	0.05	0.008
3	0.13	0.15	e0.13	e0.28	e0.04	e7.6	0.40	0.25	0.53	0.03	0.04	0.008
4	0.09	0.13	e0.12	e0.20	e1.3	e2.5	0.31	0.19	0.30	0.02	0.04	0.89
5	0.15	0.20	e0.11	e0.17	e3.6	e1.7	0.27	0.16	0.34	0.02	0.07	0.27
6	0.14	e3.6	e0.10	e0.15	e0.41	e2.9	0.23	0.41	0.53	0.02	0.52	0.11
7	0.11	e1.8	e0.08	e0.14	e0.19	e0.49	0.18	2.7	0.32	0.01	0.42	0.06
8	0.09	e0.83	e0.08	e0.13	e0.12	e0.34	0.18	0.65	0.25	0.01	0.34	0.04
9	0.08	e1.9	e0.07	e0.13	e0.09	e0.30	0.17	0.38	0.21	0.01	0.29	0.04
10	0.07	e1.2	e0.06	e0.12	e0.08	e0.25	0.17	0.28	0.17	0.008	0.22	0.03
11	0.07	e1.1	e0.05	e0.11	e0.07	e0.20	0.25	0.21	0.14	0.02	e0.18	0.02
12	0.06	e0.63	e0.05	e0.11	e0.06	e0.17	5.0	0.42	0.13	0.02	e0.14	0.02
13	0.06	2.9	e0.07	e0.11	e0.06	e0.14	1.7	0.45	0.10	0.02	e0.12	0.02
14	0.13	2.1	e11	e0.10	e0.05	e0.12	0.80	0.35	1.5	0.009	e0.09	0.02
15	0.10	0.66	2.7	e0.10	e0.05	e0.10	0.82	0.27	1.0	0.008	e0.07	0.02
16	0.59	0.40	0.66	e0.10	e0.05	e0.10	1.2	0.21	0.49	0.01	0.06	0.02
17	4.0	2.2	0.35	e0.09	e0.05	e0.25	0.56	0.18	0.30	0.02	0.05	0.02
18	0.64	3.5	0.28	e0.09	e0.04	e0.50	0.35	0.15	0.23	0.009	0.04	0.01
19	0.42	0.85	0.22	e0.08	e0.04	e0.35	0.28	0.13	0.50	0.007	0.03	0.009
20	0.33	0.81	7.6	e0.08	e0.04	e0.23	0.26	0.11	0.32	0.006	0.03	0.03
21	0.23	1.0	6.3	e0.08	e0.04	11	0.23	0.10	0.20	0.006	0.03	0.03
22	0.19	3.1	0.73	e0.07	e0.04	3.3	0.27	0.08	0.16	0.007	0.03	0.02
23	0.16	1.6	0.42	e0.07	e2.2	3.9	1.2	0.10	0.14	1.4	0.02	0.02
24	0.13	0.62	0.30	e0.06	e1.7	1.6	0.81	0.17	0.12	0.89	0.02	0.05
25	0.12	0.40	e0.25	e0.06	e0.35	1.0	0.68	0.86	0.11	0.57	0.02	0.03
26	0.77	0.30	e0.40	e0.06	e0.22	1.0	0.48	0.47	0.08	0.24	0.02	0.03
27	2.2	e0.23	e0.18	e0.05	e0.17	3.9	3.2	0.81	0.06	0.13	0.02	0.03
28	0.51	e0.18	e0.15	e0.05	e0.15	1.9	0.92	0.44	0.05	0.10	0.01	0.53
29	0.31	e0.16	e0.14	e0.05	---	2.6	0.49	0.30	0.04	0.05	0.01	1.2
30	0.24	e0.15	e0.13	e0.05	---	7.4	0.35	0.22	0.03	0.04	0.01	0.35
31	0.21	---	e0.12	e0.04	---	2.8	---	0.16	---	0.03	0.01	---
TOTAL	12.58	33.04	33.17	4.04	11.29	64.57	23.04	11.71	12.05	3.780	3.03	3.943
MEAN	0.41	1.10	1.07	0.13	0.40	2.08	0.77	0.38	0.40	0.12	0.098	0.13
MAX	4.0	3.6	11	0.70	3.6	11	5.0	2.7	2.2	1.4	0.52	1.2
MIN	0.06	0.13	0.05	0.04	0.04	0.10	0.17	0.08	0.03	0.006	0.01	0.008

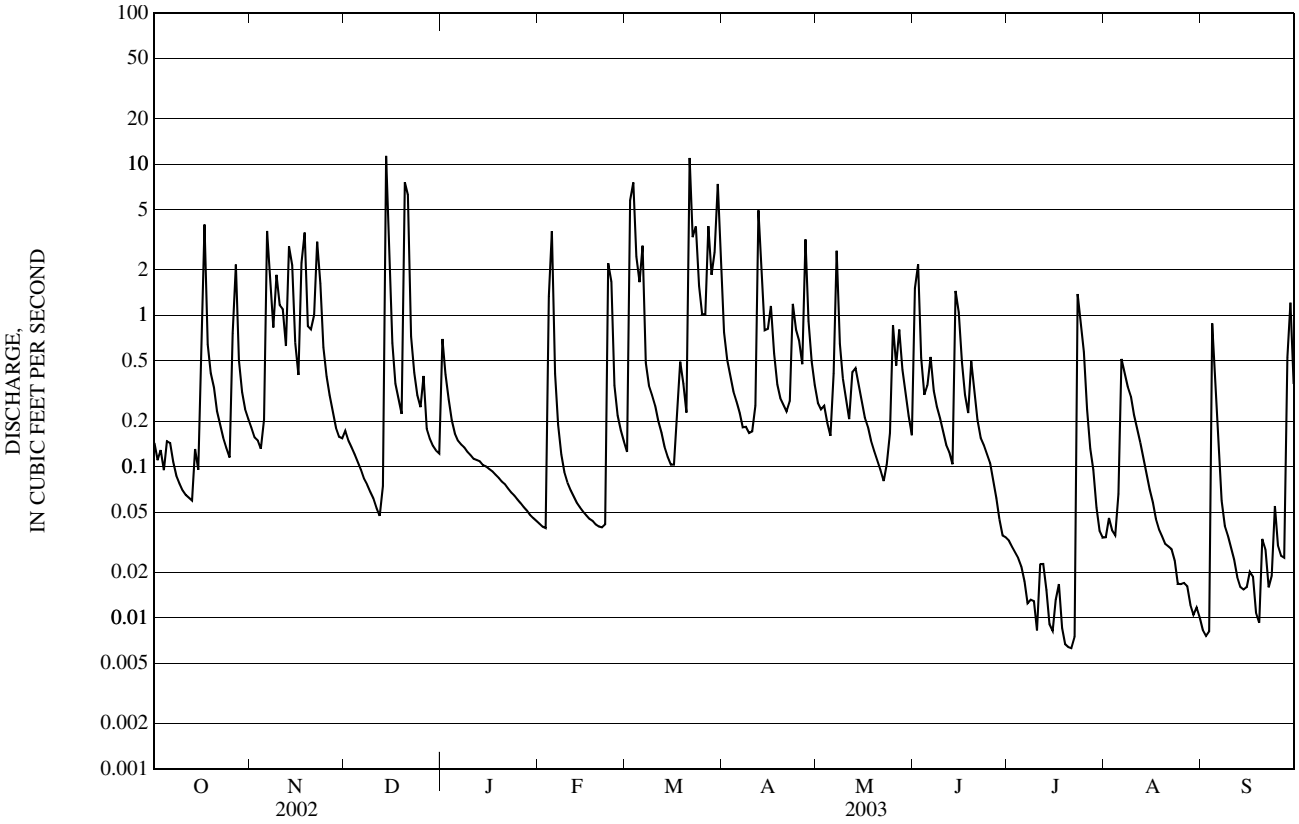
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	0.38	0.67	0.72	0.24	0.63	1.20	1.08	0.37	0.23	0.072	0.026	0.23
MAX	0.53	1.10	1.07	0.47	0.86	2.08	1.50	0.54	0.45	0.17	0.098	0.76
(WY)	(2001)	(2003)	(2003)	(2000)	(2000)	(2003)	(2001)	(2002)	(2001)	(2000)	(2003)	(1999)
MIN	0.075	0.20	0.49	0.068	0.40	0.41	0.77	0.19	0.039	0.010	0.003	0.018
(WY)	(2002)	(2002)	(2002)	(2001)	(2003)	(2001)	(2003)	(2001)	(1999)	(1999)	(1999)	(2001)

e Estimated

01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	200.820		216.270			
ANNUAL MEAN	0.55		0.59		0.48	
HIGHEST ANNUAL MEAN					0.59	2003
LOWEST ANNUAL MEAN					0.40	2002
HIGHEST DAILY MEAN	17	Mar 27	11	Dec 14	17	Mar 27, 2002
LOWEST DAILY MEAN	0.000	Aug 9	0.01	Jul 7	0.000	Jul 17, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 9	0.01	Aug 28	0.00	Jul 28, 1999
MAXIMUM PEAK FLOW			78	Dec 20	78	Dec 20, 2002
MAXIMUM PEAK STAGE			4.89	Nov 6	4.89	Nov 6, 2002
INSTANTANEOUS LOW FLOW			0.00	Jul 19	0.00	Jul 28, 1999
10 PERCENT EXCEEDS	1.4		1.6		1.2	
50 PERCENT EXCEEDS	0.16		0.16		0.14	
90 PERCENT EXCEEDS	0.01		0.02		0.01	



01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME

LOCATION.--Lat 45°56'08", long 69°59'38", Somerset County, Hydrologic Unit 01020001, on left bank, and 500 ft upstream of Leadbetter Falls.

DRAINAGE AREA.--232 mi^2.

PERIOD OF RECORD.--
DISCHARGE: September 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,086.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 11-16, 2001, Nov. 29 to Dec. 1, 2001, Dec. 8, 2001 to Apr. 15, 2002, Oct. 30 to Nov. 10, 2002, and Nov. 16, 2002 to Apr. 14, 2003, and periods of no gage-height record, Sept. 1-5, 2001, Jan. 9 to Apr. 18, 2002, July 25-31, 2002, and May 2-3, 2003, which are fair. Satellite gage-height telemeter at station. Records for water years 2001 and 2002 have not been previously published and are given below.

EXTREMES FOR WATER YEAR 2002.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*) for water year 2002:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
[a]	Unknown	Ice Jam	*10.47[b]	Apr 18	Unknown	*6,740[c]	8.78[c]

Minimum discharge, 5.6 ft^3/s, Sept. 10-11, gage height, 3.29 ft.

[a] Sometime during period Apr. 11-18.
[b] From floodmarks
[c] Estimated

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 30	0945	Ice Jam	*8.82	Apr 16	0900	*5,020	8.12

Minimum discharge, 10 ft^3/s, Sept. 15-16, gage height, 3.44 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	66	e115	e181	e132	e49	e31	e1,230	952	274	109	76	34
2	61	e91	e165	e140	e47	e31	e987	e1,200	293	101	64	28
3	57	e66	e149	e143	e46	e30	e825	e1,900	270	139	56	25
4	49	e60	e139	e141	e46	e29	e695	1,120	229	176	51	22
5	44	e57	e130	e136	e45	e28	e591	848	216	169	48	21
6	40	e55	e123	e131	e43	e28	e514	681	603	146	48	19
7	35	e52	e118	e128	e42	e27	e468	703	619	115	85	17
8	32	e46	e112	e123	e41	e27	e437	682	526	91	470	16
9	28	e59	e109	e117	e39	e26	e414	585	416	87	348	15
10	26	e89	e105	e111	e39	e26	e440	506	526	77	491	13
11	25	181	e103	e106	e38	e25	e522	439	507	66	470	13
12	24	337	e102	e99	e37	e24	e681	890	575	82	337	12
13	23	385	e100	e93	e36	e24	e1,110	1,420	462	75	244	12
14	25	398	e99	e87	e35	e23	e1,200	1,250	660	61	178	11
15	25	342	e99	e83	e35	e23	1,710	963	1,040	51	133	11
16	26	e291	e98	e78	e34	e24	4,500	718	1,030	43	108	14
17	66	e244	e93	e75	e34	e24	3,140	560	775	39	106	25
18	183	e220	e85	e72	e33	e24	2,070	453	550	38	87	27
19	175	e211	e78	e70	e33	e25	1,500	377	403	34	69	22
20	332	e202	e81	e68	e33	e44	1,530	319	323	30	55	20
21	338	e190	e120	e66	e33	e119	2,260	280	264	29	47	19
22	261	e220	e253	e64	e32	e113	2,720	260	216	43	41	19
23	203	e530	e327	e62	e32	e124	2,770	231	183	89	36	19
24	166	e586	e265	e60	e32	e151	2,660	213	159	117	33	28
25	140	e549	e226	e59	e32	e247	2,220	211	131	145	30	37
26	125	e362	e194	e57	e32	e458	1,600	220	108	121	25	35
27	186	e294	e172	e56	e32	e1,010	1,480	226	90	143	48	33
28	245	e253	e157	e54	e32	e987	1,390	217	73	182	67	30
29	214	e223	e144	e53	---	e1,060	1,260	199	61	141	46	36
30	e165	e201	e134	e51	---	e1,730	1,100	198	80	110	45	40
31	e135	---	e126	e50	---	e1,590	---	296	---	94	43	---
TOTAL	3,520	6,909	4,387	2,765	1,042	8,132	44,024	19,117	11,662	2,943	3,985	673
MEAN	114	230	142	89.2	37.2	262	1,467	617	389	94.9	129	22.4
MAX	338	586	327	143	49	1,730	4,500	1,900	1,040	182	491	40
MIN	23	46	78	50	32	23	414	198	61	29	25	11
CFSM	0.49	0.99	0.61	0.38	0.16	1.13	6.33	2.66	1.68	0.41	0.55	0.10
IN.	0.56	1.11	0.70	0.44	0.17	1.30	7.06	3.07	1.87	0.47	0.64	0.11

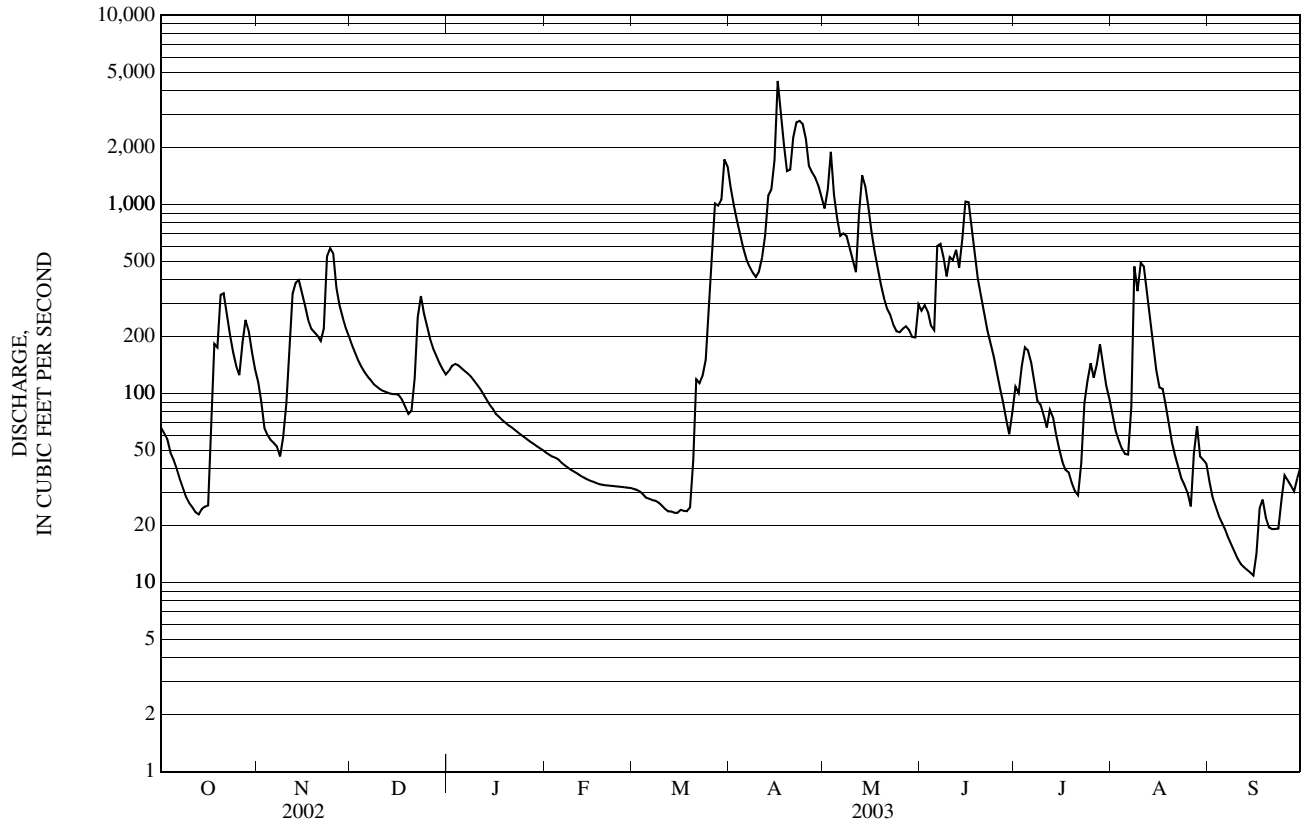
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	94.8	171	194	72.4	42.8	230	1,461	571	428	233	86.9	33.8
MAX	114	230	247	89.2	48.4	262	1,467	617	468	371	129	48.6
(WY)	(2003)	(2003)	(2002)	(2003)	(2002)	(2003)	(2003)	(2003)	(2002)	(2002)	(2003)	(2001)
MIN	76.0	112	142	55.6	37.2	198	1,454	525	389	94.9	45.3	22.4
(WY)	(2002)	(2002)	(2003)	(2002)	(2003)	(2002)	(2002)	(2002)	(2003)	(2003)	(2002)	(2003)

e Estimated

01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	111,742.7		109,159			
ANNUAL MEAN	306		299		301	
HIGHEST ANNUAL MEAN					302	2002
LOWEST ANNUAL MEAN					299	2003
HIGHEST DAILY MEAN	6,130	Apr 18	4,500	Apr 16	6,130	Apr 18, 2002
LOWEST DAILY MEAN	5.9	Sep 10	11	Sep 14	5.9	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	6.9	Sep 4	12	Sep 10	6.9	Sep 4, 2002
MAXIMUM PEAK FLOW			5,020	Apr 16	6,740	Apr 18, 2002
MAXIMUM PEAK STAGE			8.82	Mar 30	10.47	Apr 12, 2002
INSTANTANEOUS LOW FLOW			10	Sep 15	5.6	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.32		1.29		1.30	
ANNUAL RUNOFF (INCHES)	17.92		17.50		17.61	
10 PERCENT EXCEEDS	655		834		694	
50 PERCENT EXCEEDS	130		109		110	
90 PERCENT EXCEEDS	25		26		25	



01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	e119
2	---	---	---	---	---	---	---	---	---	---	---	e149
3	---	---	---	---	---	---	---	---	---	---	---	e105
4	---	---	---	---	---	---	---	---	---	---	---	e79
5	---	---	---	---	---	---	---	---	---	---	---	e64
6	---	---	---	---	---	---	---	---	---	---	---	52
7	---	---	---	---	---	---	---	---	---	---	---	43
8	---	---	---	---	---	---	---	---	---	---	---	36
9	---	---	---	---	---	---	---	---	---	---	---	31
10	---	---	---	---	---	---	---	---	---	---	---	27
11	---	---	---	---	---	---	---	---	---	---	---	28
12	---	---	---	---	---	---	---	---	---	---	---	24
13	---	---	---	---	---	---	---	---	---	---	---	22
14	---	---	---	---	---	---	---	---	---	---	---	20
15	---	---	---	---	---	---	---	---	---	---	---	18
16	---	---	---	---	---	---	---	---	---	---	---	17
17	---	---	---	---	---	---	---	---	---	---	---	16
18	---	---	---	---	---	---	---	---	---	---	---	14
19	---	---	---	---	---	---	---	---	---	---	---	14
20	---	---	---	---	---	---	---	---	---	---	---	13
21	---	---	---	---	---	---	---	---	---	---	---	16
22	---	---	---	---	---	---	---	---	---	---	---	18
23	---	---	---	---	---	---	---	---	---	---	---	26
24	---	---	---	---	---	---	---	---	---	---	---	35
25	---	---	---	---	---	---	---	---	---	---	---	33
26	---	---	---	---	---	---	---	---	---	---	---	88
27	---	---	---	---	---	---	---	---	---	---	---	128
28	---	---	---	---	---	---	---	---	---	---	---	97
29	---	---	---	---	---	---	---	---	---	---	---	73
30	---	---	---	---	---	---	---	---	---	---	---	54
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	1,459
MEAN	---	---	---	---	---	---	---	---	---	---	---	48.6
MAX	---	---	---	---	---	---	---	---	---	---	---	149
MIN	---	---	---	---	---	---	---	---	---	---	---	13
CFSM	---	---	---	---	---	---	---	---	---	---	---	0.21
IN.	---	---	---	---	---	---	---	---	---	---	---	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2001, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	48.6
MAX	---	---	---	---	---	---	---	---	---	---	---	48.6
(WY)	---	---	---	---	---	---	---	---	---	---	---	(2001)
MIN	---	---	---	---	---	---	---	---	---	---	---	48.6
(WY)	---	---	---	---	---	---	---	---	---	---	---	(2001)

e Estimated

01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	104	e265	e70	e49	e83	e342	642	1,270	917	221	9.1
2	34	99	760	e68	e51	e80	e439	721	1,330	1,430	154	8.6
3	29	104	811	e66	e49	e77	e563	1,110	997	1,070	125	8.3
4	26	111	669	e65	e48	e122	e611	1,210	704	675	104	8.3
5	23	102	612	e63	e47	e135	e539	952	524	482	88	7.6
6	23	95	602	e62	e46	e124	e479	744	453	662	77	6.9
7	26	87	523	e61	e46	e116	e432	636	380	613	68	6.7
8	32	78	e415	e61	e46	e112	e400	714	314	466	57	6.6
9	32	83	e311	e60	e45	e108	e378	639	273	632	49	6.2
10	28	112	e254	e59	e45	e125	e467	576	253	731	43	5.9
11	26	e108	e211	e58	e49	e190	e655	500	246	517	38	8.8
12	24	e93	e196	e57	e51	e467	e701	410	289	370	33	14
13	23	e71	e180	e56	e49	e410	e1,010	348	255	288	30	26
14	21	e66	e168	e56	e47	e351	e1,860	357	212	241	27	25
15	21	e64	e153	e56	e46	e312	e3,220	554	178	213	25	39
16	23	e141	e140	e54	e45	e278	e3,060	637	203	200	23	114
17	29	191	e129	e53	e44	e258	e4,540	710	254	172	22	79
18	54	163	e117	e51	e44	e242	e6,130	637	740	147	20	53
19	63	150	e110	e50	e43	e229	4,650	584	656	124	21	37
20	58	144	e102	e49	e43	e222	3,710	503	468	106	22	28
21	55	144	e96	e48	e43	e222	2,380	418	329	91	20	23
22	62	129	e90	e48	e43	e218	1,510	356	249	78	18	23
23	73	116	e87	e47	e44	e198	1,080	302	203	89	18	32
24	130	109	e86	e47	e53	e183	825	258	263	151	17	31
25	200	105	e86	e47	e51	e173	668	231	226	e104	16	25
26	291	117	e86	e56	e50	e165	626	212	175	e80	14	21
27	264	135	e85	e54	e61	e160	675	200	483	e67	13	19
28	215	132	e82	e53	e76	e160	593	176	972	e61	12	61
29	172	e96	e80	e51	---	e166	540	153	684	e68	11	103
30	140	e119	e76	e50	---	e191	529	225	444	e244	10	78
31	117	---	e73	e49	---	e261	---	548	---	e399	9.7	---
TOTAL	2,356	3,368	7,655	1,725	1,354	6,138	43,612	16,263	14,027	11,488	1,405.7	914.0
MEAN	76.0	112	247	55.6	48.4	198	1,454	525	468	371	45.3	30.5
MAX	291	191	811	70	76	467	6,130	1,210	1,330	1,430	221	114
MIN	21	64	73	47	43	77	342	153	175	61	9.7	5.9
CFSM	0.33	0.48	1.06	0.24	0.21	0.85	6.27	2.26	2.02	1.60	0.20	0.13
IN.	0.38	0.54	1.23	0.28	0.22	0.98	6.99	2.61	2.25	1.84	0.23	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

MEAN	76.0	112	247	55.6	48.4	198	1,454	525	468	371	45.3	39.6
MAX	76.0	112	247	55.6	48.4	198	1,454	525	468	371	45.3	48.6
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)
MIN	76.0	112	247	55.6	48.4	198	1,454	525	468	371	45.3	30.5
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

e Estimated

01029200 SEBOEIS RIVER NEAR SHIN POND, ME

LOCATION.--Lat 46°08'36", long 68°38'02", Aroostook County, Hydrologic Unit 01020002, on left bank at State Route 159 crossing in T6 R7, and 200 ft downstream from Sawtelle Brook.

DRAINAGE AREA.--173 mi^2.

PERIOD OF RECORD.--
DISCHARGE: April 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 512.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Oct. 30 to Nov. 8, Nov. 17-20, Nov. 24 to Apr. 19, and period of doubtful gage-height record, Mar. 18 to July 18, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, Apr. 10, 2000, gage height, 10.58 ft; mimimum discharge, 4.3 ft^3/s, Sept. 3, 2002, gage height, 3.94 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,230 ft^3/s, Apr. 25, gage height, 9.14 ft; minimum discharge, 7.4 ft^3/s, Sept. 20, gage height, 4.04 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	13	e30	e119	e118	e48	e50	e590	1,490	276	93	63	28
2	13	e28	e133	e115	e51	e50	e559	1,410	335	92	55	26
3	12	e27	e139	e111	e70	e52	e535	1,370	324	87	50	24
4	11	e26	e126	e108	e98	e49	e513	1,230	262	81	81	23
5	10	e26	e116	e105	e107	e48	e491	1,080	227	90	165	24
6	11	e26	e104	e102	e96	e47	e465	955	403	87	185	23
7	10	e29	e95	e100	e84	e47	e440	927	517	75	156	21
8	12	e35	e86	e97	e75	e46	e413	887	443	66	126	19
9	11	34	e81	e93	e70	e45	e395	795	395	63	106	17
10	10	33	e76	e90	e65	e43	e375	724	384	55	106	15
11	9.9	42	e72	e86	e61	e42	e355	672	349	51	130	14
12	9.5	69	e68	e83	e59	e42	e342	653	335	53	114	13
13	8.8	102	e64	e81	e57	e41	e352	657	301	57	96	12
14	9.2	126	e67	e78	e57	e40	e429	615	328	54	83	11
15	8.9	108	e77	e77	e55	e39	e522	562	395	47	71	10
16	8.7	94	e72	e75	e53	e38	e612	510	382	43	64	10
17	23	e77	e68	e72	e53	e38	e734	465	345	40	61	11
18	49	e88	e65	e70	e52	e42	e807	424	305	39	56	11
19	45	e97	e63	e67	e51	e39	e864	386	271	35	51	9.5
20	61	e96	e61	e64	e50	e36	874	352	247	31	47	8.8
21	60	92	e142	e62	e50	e72	1,060	322	219	31	44	11
22	49	110	e205	e60	e50	e108	1,400	293	197	34	40	10
23	43	224	e186	e58	e52	e150	1,780	274	181	46	37	9.6
24	39	e273	e167	e57	e54	e181	2,040	256	166	54	36	11
25	35	e226	e150	e55	e52	e217	2,190	246	154	73	32	10
26	33	e200	e138	e53	e50	e253	2,050	233	138	70	30	10
27	39	e183	e130	e51	e49	e301	1,970	217	122	66	39	9.5
28	44	e161	e123	e49	e49	e362	1,980	200	126	65	42	31
29	45	e148	e117	e48	---	e445	1,830	195	110	56	35	352
30	e39	e133	e112	e47	---	e584	1,690	197	98	53	34	396
31	e33	---	e116	e47	---	e603	---	279	---	65	31	---
TOTAL	805.0	2,943	3,338	2,379	1,718	4,150	28,657	18,876	8,335	1,852	2,266	1,180.4
MEAN	26.0	98.1	108	76.7	61.4	134	955	609	278	59.7	73.1	39.3
MAX	61	273	205	118	107	603	2,190	1,490	517	93	185	396
MIN	8.7	26	61	47	48	36	342	195	98	31	30	8.8
CFSM	0.15	0.57	0.62	0.44	0.35	0.77	5.52	3.52	1.61	0.35	0.42	0.23
IN.	0.17	0.63	0.72	0.51	0.37	0.89	6.16	4.06	1.79	0.40	0.49	0.25

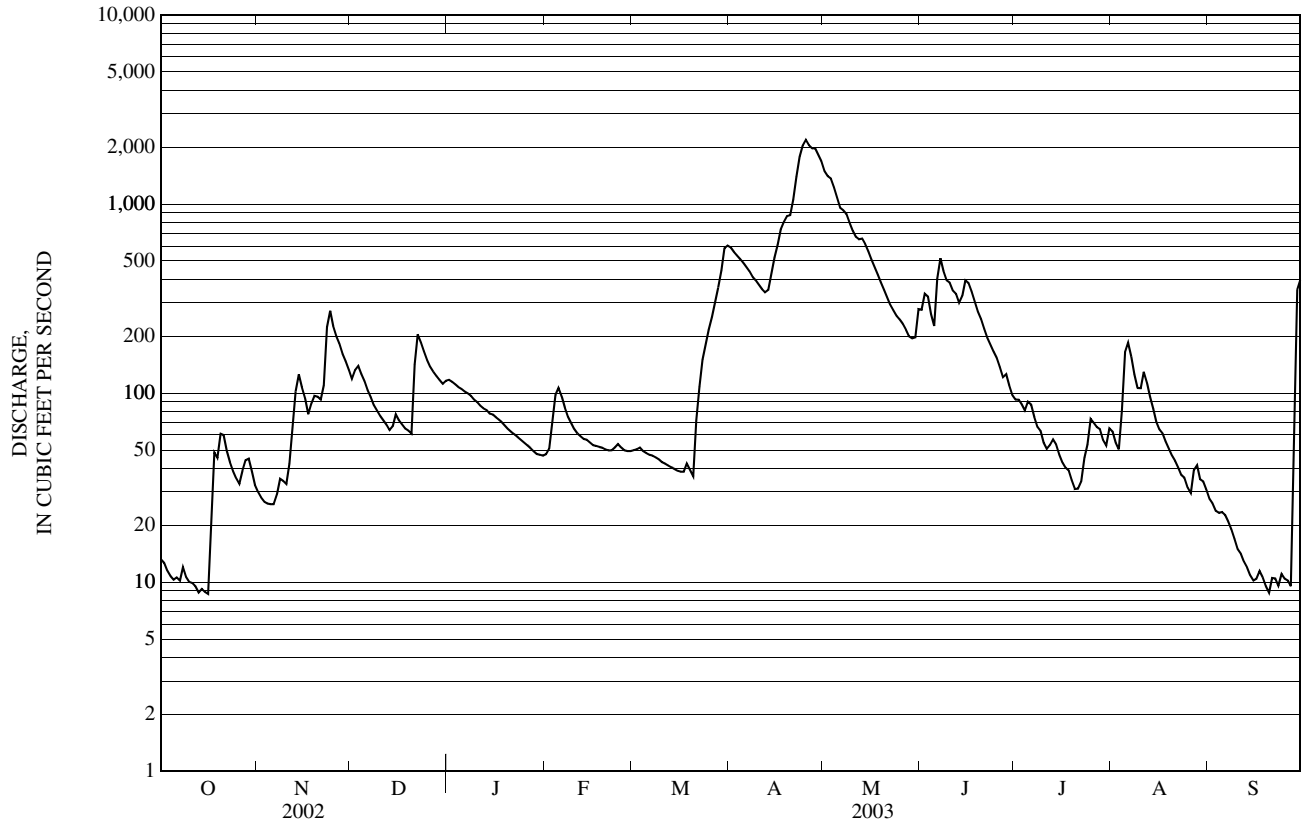
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	118	164	189	117	92.7	253	1,126	485	178	103	81.9	119
MAX	404	363	370	183	182	572	1,670	706	278	239	233	535
(WY)	(2000)	(2000)	(2000)	(1999)	(1999)	(1999)	(2000)	(2000)	(2003)	(1998)	(1999)	(1999)
MIN	26.0	47.0	93.6	74.0	61.4	85.4	630	276	122	59.7	23.4	12.4
(WY)	(2003)	(2002)	(2002)	(2002)	(2003)	(2001)	(2001)	(1999)	(2002)	(2003)	(2002)	(2002)

e Estimated

01029200 SEBOEIS RIVER NEAR SHIN POND, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	64,742.8		76,499.4			
ANNUAL MEAN	177		210		244	
HIGHEST ANNUAL MEAN					359	2000
LOWEST ANNUAL MEAN					173	2002
HIGHEST DAILY MEAN	1,920	Apr 15	2,190	Apr 25	2,880	Apr 10, 2000
LOWEST DAILY MEAN	4.5	Sep 3	8.7	Oct 16	4.5	Sep 3, 2002
ANNUAL SEVEN-DAY MINIMUM	5.4	Aug 29	9.3	Oct 10	5.4	Aug 29, 2002
MAXIMUM PEAK FLOW			2,230	Apr 25	3,100	Apr 10, 2000
MAXIMUM PEAK STAGE			9.14	Apr 25	10.58	Apr 10, 2000
INSTANTANEOUS LOW FLOW			7.4	Sep 20	4.3	Sep 3, 2002
ANNUAL RUNOFF (CFSM)	1.03		1.21		1.41	
ANNUAL RUNOFF (INCHES)	13.92		16.45		19.17	
10 PERCENT EXCEEDS	461		519		596	
50 PERCENT EXCEEDS	77		73		109	
90 PERCENT EXCEEDS	11		20		28	



01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME

LOCATION.--Lat 45°43'49", long 68°35'22", Penobscot County, Hydrologic Unit 01020002, on left bank 500 ft downstream from Bangor and Aroostook Railroad bridge, 0.5 mi south of Grindstone, and 9.5 mi upstream from confluence with West Branch Penobscot River.

DRAINAGE AREA.--1,086 mi^2

PERIOD OF RECORD.--
DISCHARGE: October 1902 to September 1982 (monthly discharge only for some periods). October 1999 to current year.
GAGE HEIGHT: May 1998 to September 1999.

GAGE.--Water-stage recorder. Datum of gage is 294.74 ft above National Geodetic Vertical Datum of 1929. Prior to June 30, 1929, nonrecording gage on railroad bridge at same datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 26 to Dec. 20 and Dec. 26 to Apr. 14, which are fair. Flow regulated by Chamberlain, Telos, Second, Grand Lakes, and Round Pond, combined usable capacity, about 6.835 billion ft^3. Final regualtion at Grand Lake Dam 35 mi upstream. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft^3/s, Apr. 30, 1923, gage height 16.9 ft, site then in use; minimum daily discharge, 77 ft^3/s, Nov. 19, 1924.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft^3/s, Apr. 24, gage height, 9.54 ft; minimum daily discharge, 262 ft^3/s, Oct. 13.

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	449	463	e759	e854	e484	e476	e2,770	6,560	1,700	872	589	450
2	423	443	e717	e849	e489	e479	e2,680	5,810	2,280	857	576	435
3	393	379	e683	e796	e497	e482	e2,440	5,790	2,480	817	560	424
4	364	368	e657	e768	e514	e481	e2,270	5,220	2,140	749	569	435
5	377	431	e635	e747	e547	e477	e2,130	4,640	1,720	735	942	437
6	428	431	e617	e732	e570	e474	e2,000	4,300	2,350	740	1,450	433
7	391	530	e602	e727	e572	e473	e1,910	4,800	3,030	682	1,390	422
8	368	440	e588	e717	e563	e472	e1,830	5,160	2,820	645	1,060	413
9	383	524	e578	e712	e547	e474	e1,770	4,950	2,710	632	899	404
10	471	533	e567	e703	e533	e478	e1,750	4,540	2,660	601	1,030	397
11	438	606	e558	e699	e521	e481	e1,850	4,300	2,740	589	1,750	394
12	287	926	e553	e707	e515	e480	e2,390	3,970	2,720	641	1,530	389
13	262	1,050	e548	e734	e509	e478	e3,100	3,990	2,130	650	1,110	389
14	281	1,290	e546	e709	e505	e476	e3,570	3,850	2,070	622	884	382
15	293	1,120	e640	e688	e501	e475	4,060	3,450	2,920	587	750	379
16	283	934	e837	e667	e498	e473	5,410	3,170	2,990	559	702	382
17	506	790	e819	e646	e495	e472	5,550	2,990	2,690	543	747	430
18	1,070	672	e695	e627	e492	e470	5,050	2,530	2,640	527	690	450
19	760	876	e674	e608	e490	e469	4,530	2,320	2,450	516	618	453
20	1,200	882	e731	e591	e487	e468	4,870	2,240	1,870	504	578	450
21	1,060	843	1,770	e575	e485	e472	5,940	2,160	1,630	495	546	473
22	765	842	2,870	e563	e483	e503	7,330	1,930	1,540	526	522	461
23	620	1,750	2,390	e550	e481	e641	8,630	1,620	1,490	718	499	452
24	541	2,260	1,850	e539	e479	e1,120	10,400	1,540	1,410	1,020	481	499
25	492	1,790	1,400	e528	e478	e1,290	10,400	1,530	1,180	1,060	473	514
26	465	e1,410	e1,160	e517	e476	e1,260	9,560	1,510	1,070	876	468	483
27	504	e1,130	e1,010	e508	e475	e1,200	8,890	1,540	1,020	737	498	471
28	589	e981	e899	e501	e474	e1,170	8,660	1,690	933	697	521	666
29	579	e879	e823	e496	---	e1,330	7,960	1,680	861	633	490	6,660
30	522	e813	e777	e490	---	e2,110	7,360	1,670	839	589	477	4,750
31	480	---	e742	e488	---	e2,610	---	1,800	---	597	461	---
TOTAL	16,044	26,386	28,695	20,036	14,160	23,214	147,060	103,250	61,083	21,016	23,860	23,777
MEAN	518	880	926	646	506	749	4,902	3,331	2,036	678	770	793
MAX	1,200	2,260	2,870	854	572	2,610	10,400	6,560	3,030	1,060	1,750	6,660
MIN	262	368	546	488	474	468	1,750	1,510	839	495	461	379
CFSM	0.48	0.81	0.85	0.60	0.47	0.69	4.51	3.07	1.87	0.62	0.71	0.73

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

MEAN	1,221	1,727	1,513	1,073	1,023	1,543	4,805	4,831	2,270	1,329	893	953
MAX	5,537	6,564	6,015	3,552	3,680	7,851	9,941	10,890	6,292	4,697	2,807	4,200
(WY)	(1982)	(1964)	(1951)	(1958)	(1970)	(1936)	(2000)	(1961)	(1917)	(1918)	(1976)	(1954)
MIN	210	327	203	255	216	222	1,268	2,000	796	357	250	264
(WY)	(1911)	(1956)	(1909)	(1948)	(1948)	(1923)	(1926)	(1999)	(1921)	(1955)	(1941)	(1910)

e Estimated

01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	458,520		508,581			
ANNUAL MEAN	1,256		1,393		1,933	
HIGHEST ANNUAL MEAN					2,952	1958
LOWEST ANNUAL MEAN					1,028	1911
HIGHEST DAILY MEAN	11,000	Apr 15	10,400	Apr 24	33,700	Apr 30, 1923
LOWEST DAILY MEAN	262	Oct 13	262	Oct 13	77	Nov 19, 1924
ANNUAL SEVEN-DAY MINIMUM	331	Oct 10	331	Oct 10	117	Dec 25, 1914
MAXIMUM PEAK FLOW			10,700	Apr 24	37,000	Apr 30, 1923
MAXIMUM PEAK STAGE			9.54	Apr 24	16.90	Apr 30, 1923
ANNUAL RUNOFF (CFSM)	1.16		1.28		1.78	
ANNUAL RUNOFF (INCHES)	15.71		17.42		24.19	
10 PERCENT EXCEEDS	2,830		3,060		4,580	
50 PERCENT EXCEEDS	764		683		1,120	
90 PERCENT EXCEEDS	371		447		426