

CONNECTICUT RIVER BASIN

01185500 WEST BRANCH FARMINGTON RIVER NEAR NEW BOSTON, MA

LOCATION.--Lat 42°04'45", long 73°04'24", Berkshire County, Hydrologic Unit 01080207, on left bank 5 ft downstream from highway bridge, 0.3 mi downstream from Clam River, 1 mi south of New Boston, and at mile 65.0.

DRAINAGE AREA.--91.7 mi².

PERIOD OF RECORD.--May 1913 to current year. Prior to October 1948, published as Farmington River near New Boston.

REVISED RECORDS.--WSP 641: 1924(M). WSP 781: 1928(M). WSP 1231: 1914. WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 758.21 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Otis Reservoir 7.0 mi upstream on Fall River. High flow slightly affected by retarding reservoirs since 1966. Telephone gage-height telemeter at station.

AVERAGE DISCHARGE.--85 years, 184 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,300 ft³/s, Aug. 19, 1955, gage height, 14.06 ft, from rating curve extended above 9,600 ft³/s on basis of slope-area measurement of peak flow; minimum daily, 2.4 ft³/s, Aug. 20, 21, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft³/s, June 16, gage height, 6.15 ft; minimum daily, 6.7 ft³/s, Sept. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	173	412	146	143	318	402	121	e70	533	41	6.7
2	31	396	320	165	139	337	445	224	e254	387	32	7.5
3	31	433	255	160	137	354	466	235	250	280	28	13
4	31	334	231	220	135	330	378	208	171	223	26	9.9
5	29	291	221	310	133	311	332	203	124	298	24	8.3
6	30	227	166	443	128	286	267	291	99	248	22	7.2
7	27	223	110	650	123	267	233	e319	84	205	21	10
8	25	260	117	1100	119	257	192	250	77	212	19	17
9	33	640	147	1020	114	801	199	229	69	245	16	12
10	44	684	159	908	110	1360	343	605	59	174	16	10
11	43	486	161	718	104	882	277	945	47	137	18	8.9
12	46	379	155	568	356	576	221	874	57	117	18	10
13	43	281	150	456	457	400	184	630	171	105	15	7.5
14	42	290	133	406	317	355	165	406	641	94	13	7.6
15	38	284	116	348	228	324	165	267	1010	86	13	8.0
16	34	266	124	311	194	293	156	230	1210	82	12	21
17	80	238	111	222	e180	272	158	243	812	82	12	14
18	208	214	104	199	e200	266	199	237	605	123	13	11
19	181	208	105	185	e240	343	179	201	444	91	12	9.5
20	44	202	106	176	e260	417	333	188	279	88	10	8.9
21	25	160	100	165	271	385	275	179	226	95	8.9	e9.9
22	23	229	e100	153	242	335	227	159	192	80	8.7	e12
23	23	245	e110	157	225	291	194	131	188	81	8.1	e19
24	43	229	e120	316	201	258	186	99	188	82	8.0	e17
25	212	211	141	301	262	239	167	73	165	70	7.7	14
26	213	216	181	212	231	254	152	e68	144	63	e11	13
27	245	238	195	182	227	391	149	e64	198	60	e9.0	14
28	195	205	158	173	222	542	131	e59	144	57	e8.0	16
29	136	200	116	163	---	603	121	e54	98	49	e7.4	13
30	127	220	145	155	---	545	129	e64	302	46	e7.0	11
31	122	---	169	148	---	470	---	e76	---	47	6.8	---
TOTAL	2436	8662	4938	10836	5698	13062	7025	7932	8378	4540	471.6	346.9
MEAN	78.6	289	159	350	204	421	234	256	279	146	15.2	11.6
MAX	245	684	412	1100	457	1360	466	945	1210	533	41	21
MIN	23	160	100	146	104	239	121	54	47	46	6.8	6.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1998, BY WATER YEAR (WY)

MEAN	142	210	199	182	165	301	410	217	128	80.5	87.2	89.3
MAX	774	817	563	529	608	947	934	627	479	290	1002	644
(WY)	1956	1928	1997	1996	1981	1936	1993	1984	1982	1945	1955	1938
MIN	19.9	27.0	31.1	20.1	34.7	88.5	96.1	61.6	23.9	9.26	5.68	8.81
(WY)	1915	1915	1918	1981	1980	1965	1985	1941	1964	1962	1957	1995

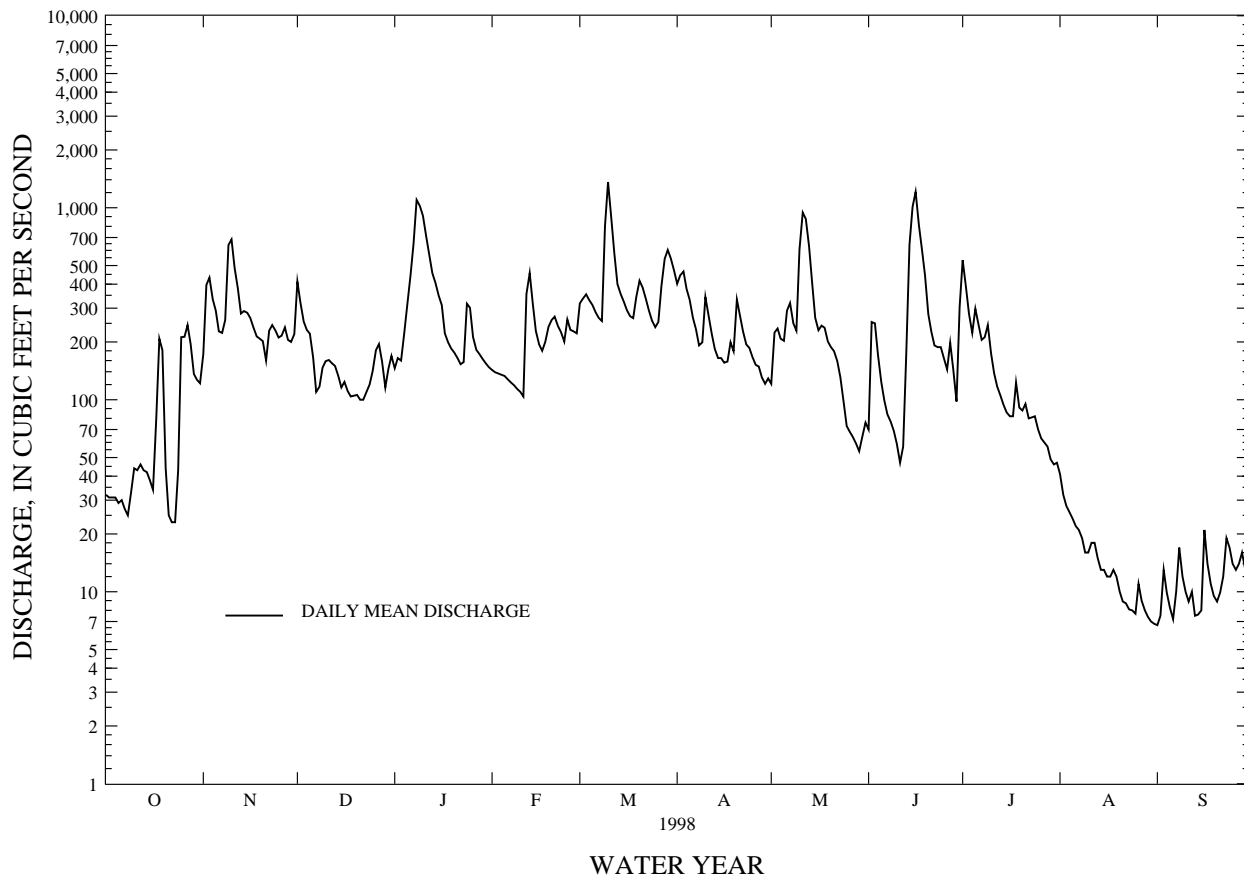
CONNECTICUT RIVER BASIN

01185500 WEST BRANCH FARMINGTON RIVER NEAR NEW BOSTON, MA--Continued

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1913 - 1998	
ANNUAL TOTAL	58920.2		74325.5			
ANNUAL MEAN	161		204		184	
HIGHEST ANNUAL MEAN					341	1928
LOWEST ANNUAL MEAN					66.1	1965
HIGHEST DAILY MEAN	850	Apr 7	1360	Mar 10	16100	Aug 19 1955
LOWEST DAILY MEAN	4.8	Aug 3	6.7	Sep 1	2.4	Aug 20 1957
ANNUAL SEVEN-DAY MINIMUM	6.8	Jul 29	7.5	Aug 27	3.1	Sep 9 1957
INSTANTANEOUS PEAK FLOW			1740	Jun 16	34300	Aug 19 1955
INSTANTANEOUS PEAK STAGE			6.15	Jun 16	14.06	Aug 19 1955
INSTANTANEOUS LOW FLOW			5.5	Aug 30		
10 PERCENT EXCEEDS	370		408		401	
50 PERCENT EXCEEDS	130		165		115	
90 PERCENT EXCEEDS	20		13		27	

e Estimated

WEST BRANCH FARMINGTON RIVER NEAR NEW BOSTON, MA 01185500



HOUSATONIC RIVER BASIN

01197000 EAST BRANCH HOUSATONIC RIVER AT COLTSMVILLE, MA

LOCATION.--Lat 42°28'10", long 73°11'49", Berkshire County, Hydrologic Unit 01100005, on right bank 250 ft downstream from Hubbard Avenue Bridge at Coltsville, 1.2 mi upstream from Unkamet Brook, and 2 mi northeast of Pittsfield. Prior to Nov. 8, 1994, at site 200 ft upstream.

DRAINAGE AREA.--57.6 mi².

PERIOD OF RECORD.--Discharge: March 1936 to current year. Prior to October 1945, published as Housatonic River at Coltsville.
Water-quality records: Water years 1963-65.

REVISED RECORDS.--WSP 851: 1936(M). WDR MA-RI-82-1: 1976-77, 1979-80. WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 993.49 ft above sea level. Prior to Nov. 8, 1994, at site 200 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Flow regulated by powerplants upstream and, since 1949, by Cleveland Brook Reservoir, usable capacity, 214,000,000 ft³, 5.4 mi upstream; regulation greater prior to 1955. Diversion upstream from Cleveland Brook Reservoir for municipal supply of Pittsfield since May 1950. Telephone gage-height telemeter at station.

AVERAGE DISCHARGE.--62 years, 107 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,400 ft³/s, Sept. 21, 1938, gage height, 10.80 ft, from rating curve extended above 2,300 ft³/s on basis of computation of peak flow over dam; minimum daily, 4.4 ft³/s, Aug. 15, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1755, that of Sept. 21, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,500 ft³/s, June 14, gage height, 3.88 ft; minimum daily, 13 ft³/s, Aug. 30, Sept. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	34	205	e41	50	169	454	65	631	185	23	16
2	27	161	155	45	50	183	396	99	154	134	20	17
3	27	141	103	49	52	173	245	136	134	83	20	19
4	27	85	82	74	55	158	240	101	89	55	20	17
5	36	75	82	125	54	140	197	95	61	63	20	15
6	35	58	77	217	52	121	172	330	46	57	20	13
7	30	49	65	413	48	109	156	232	40	48	21	16
8	28	56	57	694	47	108	150	136	39	71	19	19
9	33	204	52	774	41	312	206	118	38	141	17	19
10	42	351	51	488	42	720	250	237	35	82	19	18
11	41	154	50	360	43	404	180	305	33	56	31	17
12	41	95	50	252	192	225	124	241	38	46	26	15
13	42	81	47	198	282	168	108	167	310	42	24	14
14	44	78	44	177	177	145	87	129	1010	42	21	15
15	36	75	39	147	108	133	72	108	967	37	20	18
16	29	68	42	123	93	122	68	95	779	38	19	28
17	27	61	43	113	91	114	71	94	582	39	19	27
18	24	58	43	103	117	100	86	94	347	42	20	24
19	21	56	42	98	151	194	74	81	223	38	20	24
20	21	54	41	95	147	234	206	58	182	40	19	24
21	22	52	38	91	124	214	180	48	197	55	18	25
22	23	77	31	83	107	157	121	44	165	52	17	34
23	22	80	38	67	103	125	101	39	116	43	16	32
24	21	69	39	86	106	107	113	36	96	39	23	28
25	27	58	47	99	121	103	102	32	69	35	20	26
26	31	55	60	76	109	113	99	34	60	32	20	25
27	50	90	59	63	111	274	92	34	63	30	18	29
28	54	82	50	62	122	585	77	31	58	28	16	29
29	36	67	42	59	---	834	71	32	54	27	14	28
30	29	79	48	56	---	697	67	56	88	27	13	27
31	27	---	e43	54	---	585	---	125	---	25	15	---
TOTAL	983	2703	1865	5382	2795	7826	4565	3432	6704	1732	608	658
MEAN	31.7	90.1	60.2	174	99.8	252	152	111	223	55.9	19.6	21.9
MAX	54	351	205	774	282	834	454	330	1010	185	31	34
MIN	21	34	31	41	41	100	67	31	33	25	13	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 1998, BY WATER YEAR (WY)

MEAN	70.1	97.2	102	97.0	96.4	175	264	141	82.8	53.3	46.8	53.2
MAX	318	279	321	252	274	417	582	366	326	220	188	326
(WY)	1956	1956	1974	1949	1984	1979	1993	1984	1972	1945	1990	1938
MIN	19.9	19.1	31.2	15.5	16.0	50.4	66.3	37.8	25.4	12.9	14.9	14.3
(WY)	1965	1965	1981	1981	1980	1965	1985	1985	1964	1962	1980	1983

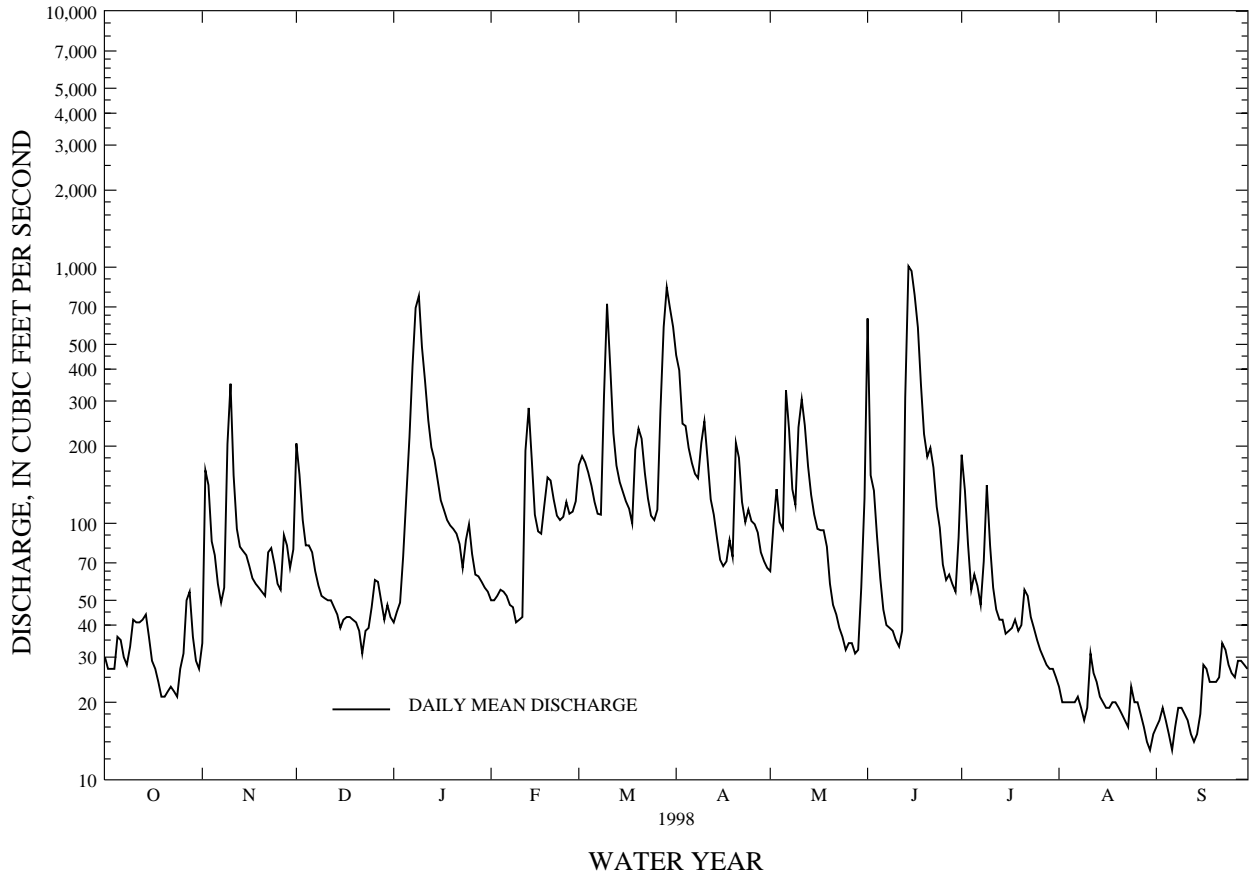
HOUSATONIC RIVER BASIN

01197000 EAST BRANCH HOUSATONIC RIVER AT COLTSVILLE, MA--Continued

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1936 - 1998	
ANNUAL TOTAL	33709		39253			
ANNUAL MEAN	92.4		108		107	
HIGHEST ANNUAL MEAN					163	1996
LOWEST ANNUAL MEAN					42.6	1965
HIGHEST DAILY MEAN	593	Apr 7	1010	Jun 14	4460	Mar 18 1936
LOWEST DAILY MEAN	16	Sep 6	13	Aug 30	4.4	Aug 15 1936
ANNUAL SEVEN-DAY MINIMUM	18	Sep 18	16	Aug 27	9.5	Sep 11 1983
INSTANTANEOUS PEAK FLOW			1500	Jun 14	6400	Sep 21 1938
INSTANTANEOUS PEAK STAGE			3.88	Jun 14	10.80	Sep 21 1938
INSTANTANEOUS LOW FLOW			11	Aug 29		
10 PERCENT EXCEEDS	212		219		233	
50 PERCENT EXCEEDS	58		58		60	
90 PERCENT EXCEEDS	22		20		23	

e Estimated

EAST BRANCH HOUSATONIC RIVER AT COLTSVILLE, MA 01197000



HOUSATONIC RIVER BASIN

01197500 HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA

LOCATION.--Lat 42°13'55", long 73°21'19", Berkshire County, Hydrologic Unit 01100005, on left bank at upstream side of highway bridge at Van Deusenville, 0.5 mi upstream from Williams River, and 2 mi north of Great Barrington.

DRAINAGE AREA.--282 mi².

PERIOD OF RECORD.--Discharge: May 1913 to current year.
Water-quality records: Water years 1957-59, 1964, 1971, and 1980.
Suspended sediment records: Water years 1980, 1994-96.

REVISED RECORDS.--WSP 415: 1913-14. WSP 781: 1928(M). WSP 1051: 1928, 1933. WSP 1301: 1914-15(M), 1917-27(M), 1929-31(M). WDR MA-RI-83-1: 1980(P), 1982(P). WDR MA-RI-84-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 683.04 ft above sea level. Prior to Oct. 1, 1931, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Regulation at low flow by powerplants upstream. High flow slightly affected by retarding reservoir since 1973. Telephone and satellite gage-height telemeters at station.

AVERAGE DISCHARGE.--85 years, 528 ft³/s, 25.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s, Jan. 1, 1949, gage height, 12.08 ft, from rating curve extended above 6,400 ft³/s on basis of computations of flow over dams at gage heights 11.72 ft and 12.08 ft; minimum daily, 1.0 ft³/s, Oct. 18, 1914.

EXTREMES FOR CURRENT YEAR.--Masimum discharge, 4,140 ft³/s, June 16, gage height, 7.42; minimum daily, 82 ft³/s, Sept. 1.

REVISIONS.--Water-quality and daily sediment records were discontinued after April 1996.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	185	809	e315	360	762	1500	372	620	900	133	82
2	115	280	874	320	351	845	1410	439	988	897	127	94
3	112	451	662	327	350	847	1270	563	668	661	117	101
4	115	392	551	371	349	806	1000	544	560	475	114	102
5	128	357	508	604	349	772	867	493	431	406	110	96
6	143	299	491	831	332	731	756	553	316	379	114	91
7	131	272	458	1410	317	679	692	719	252	317	111	94
8	122	260	418	2180	308	644	630	634	228	311	116	108
9	113	524	384	3120	296	971	677	545	224	504	110	117
10	114	957	369	3400	290	1900	941	641	211	521	105	108
11	122	907	362	2730	290	2070	923	889	201	379	132	105
12	125	611	356	1940	655	1550	734	938	216	302	166	99
13	130	462	373	1430	1250	1000	618	767	423	263	142	95
14	132	424	352	1150	985	852	568	622	1550	235	128	100
15	135	411	311	954	678	763	500	527	3110	213	120	90
16	139	381	328	853	e540	700	462	462	3800	203	117	96
17	144	367	326	737	507	655	452	415	3700	201	113	103
18	154	339	321	677	550	640	526	410	2900	238	118	103
19	158	325	316	640	679	835	512	377	1960	240	115	100
20	151	300	307	610	728	1200	714	325	1280	200	105	98
21	164	270	290	582	697	1150	891	290	912	299	104	99
22	200	352	262	549	634	1000	768	261	770	269	97	114
23	198	474	281	532	606	841	628	238	661	252	97	140
24	199	412	280	590	607	753	579	220	568	234	97	123
25	230	359	309	622	707	703	559	212	479	195	105	109
26	258	324	382	578	705	672	512	205	399	181	105	104
27	293	405	385	514	694	766	507	201	541	166	104	118
28	312	428	359	465	668	1120	462	192	476	158	98	137
29	287	388	318	418	---	1580	416	189	405	149	90	129
30	247	385	356	402	---	1820	393	205	546	149	90	119
31	200	---	e330	383	---	1750	---	222	---	143	85	---
TOTAL	5195	12301	12428	30234	15482	31377	21467	13670	29395	10040	3485	3174
MEAN	168	410	401	975	553	1012	716	441	980	324	112	106
MAX	312	957	874	3400	1250	2070	1500	938	3800	900	166	140
MIN	112	185	262	315	290	640	393	189	201	143	85	82
CFSM	.59	1.45	1.42	3.46	1.96	3.59	2.54	1.56	3.47	1.15	.40	.38
IN.	.69	1.62	1.64	3.99	2.04	4.14	2.83	1.80	3.88	1.32	.46	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1998, BY WATER YEAR (WY)

	307	468	528	516	496	905	1237	691	414	278	238	255
MEAN	307	468	528	516	496	905	1237	691	414	278	238	255
MAX	1170	2041	1588	1744	1319	2528	2646	1502	1312	1140	937	1601
(WY)	1978	1928	1974	1949	1984	1936	1920	1984	1972	1945	1928	1938
MIN	80.9	85.5	112	83.5	128	291	338	241	134	93.4	86.8	75.1
(WY)	1915	1965	1915	1931	1931	1941	1985	1985	1921	1962	1913	1913

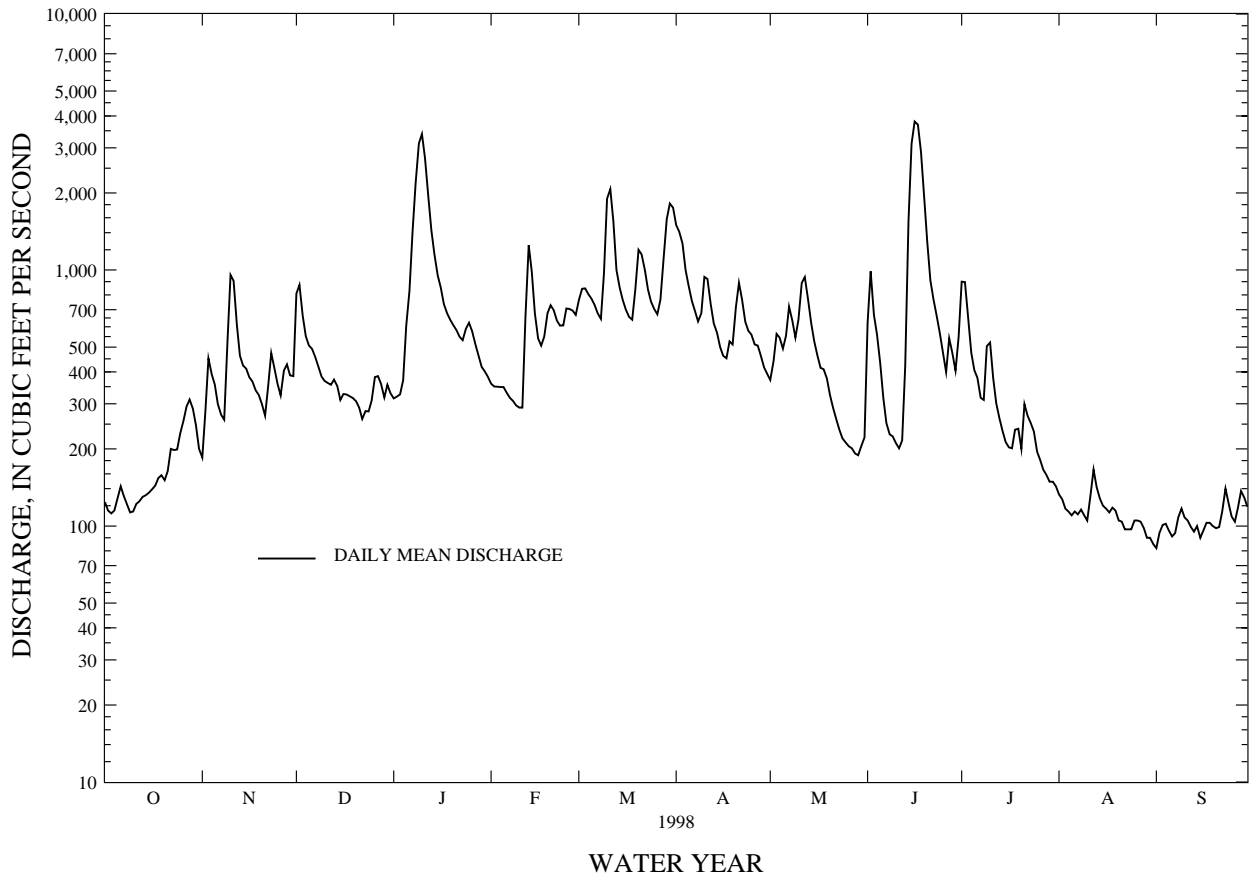
HOUSATONIC RIVER BASIN

01197500 HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA--Continued

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1913 - 1998	
ANNUAL TOTAL	175626		188248			
ANNUAL MEAN	481		516		528	
HIGHEST ANNUAL MEAN					962	1928
LOWEST ANNUAL MEAN					211	1965
HIGHEST DAILY MEAN	2130	Apr 7	3800	Jun 16	11100	Jan 1 1949
LOWEST DAILY MEAN	98	Sep 11	82	Sep 1	1.0	Oct 18 1914
ANNUAL SEVEN-DAY MINIMUM	102	Sep 21	91	Aug 28	40	Aug 10 1913
INSTANTANEOUS PEAK FLOW			4140	Jun 16	12200	Jan 1 1949
INSTANTANEOUS PEAK STAGE			7.42	Jun 16	12.08	Jan 1 1949
INSTANTANEOUS LOW FLOW			56	Aug 24		
ANNUAL RUNOFF (CFSM)	1.71		1.83		1.87	
ANNUAL RUNOFF (INCHES)	23.17		24.83		25.43	
10 PERCENT EXCEEDS	1040		946		1160	
50 PERCENT EXCEEDS	360		373		335	
90 PERCENT EXCEEDS	122		110		125	

e Estimated

HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA 01197500



HUDSON RIVER BASIN

01331500 HOOSIC RIVER AT ADAMS, MA

LOCATION.--Lat 42°36'40", long 73°07'28", Berkshire County, Hydrologic Unit 02020003, on left bank at Adams, 500 ft downstream from Dry Brook, and 0.4 mi upstream from Pecks Brook.

DRAINAGE AREA.--46.7 mi².

PERIOD OF RECORD.--Discharge: October 1931 to current year.
Water-quality records: Water years 1967-69.

REVISED RECORDS.--WDR MA-NH-RI-VT-73-1: 1971-72. WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 828.01 ft above sea level. Prior to Oct. 1, 1964, datum was 9.00 ft higher and Oct. 1, 1964, to May 29, 1974, 8.00 ft higher, at site 500 ft upstream.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion upstream for municipal supply of Adams. Some diurnal fluctuation by mill upstream prior to 1961. Flow regulated by Cheshire Reservoir 5.1 mi upstream.

AVERAGE DISCHARGE.--67 years, 90.1 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,080 ft³/s, Sept. 21, 1938, gage height, 9.25 ft, site and datum then in use, from rating curve extended above 1,100 ft³/s on basis of computation of peak flow over dam; minimum daily, 8.0 ft³/s, Aug. 31, Sept. 1, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 710 ft³/s, Jan. 8, gage height, 7.59 ft; minimum, 14 ft³/s, Sept. 19-21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	35	173	e36	50	135	302	60	248	110	22	17
2	19	107	97	e38	49	129	277	80	91	77	21	17
3	23	86	77	42	49	122	223	78	116	61	20	18
4	26	59	76	80	48	113	181	68	82	55	19	17
5	26	66	77	133	46	104	154	68	68	68	19	16
6	24	46	71	231	44	95	137	199	61	57	19	16
7	21	39	64	311	42	91	124	120	56	54	21	19
8	19	37	59	626	41	99	117	94	55	70	19	19
9	19	156	53	538	40	261	144	89	51	91	19	18
10	18	174	51	366	40	333	159	159	46	67	18	18
11	18	84	49	262	41	191	123	148	43	56	33	16
12	18	65	47	206	178	138	110	123	50	50	27	15
13	18	56	46	191	172	123	99	95	223	45	23	15
14	18	54	42	166	90	121	93	83	455	41	21	15
15	18	55	36	140	67	116	87	73	454	39	25	15
16	19	53	40	136	66	105	84	67	388	37	23	16
17	19	49	40	128	67	98	87	74	293	36	22	15
18	18	46	39	118	82	95	90	68	218	33	24	15
19	18	43	38	110	102	168	82	57	186	30	23	14
20	18	41	39	76	100	164	188	51	162	39	20	14
21	18	39	34	72	85	148	126	47	146	41	20	16
22	17	74	30	67	82	123	102	43	129	39	19	18
23	17	66	36	68	75	113	93	42	118	36	18	17
24	17	57	37	74	78	105	96	38	118	38	31	15
25	25	50	46	71	85	104	89	35	103	32	24	15
26	26	53	59	64	76	124	82	34	93	28	21	15
27	48	98	52	58	80	205	78	32	92	27	20	21
28	38	67	46	58	91	375	71	31	55	27	18	18
29	30	62	41	57	---	488	67	32	53	26	17	16
30	27	75	46	55	---	407	63	38	63	24	17	16
31	25	---	e40	53	---	379	---	67	---	23	17	---
TOTAL	688	1992	1681	4631	2066	5372	3728	2293	4316	1457	660	492
MEAN	22.2	66.4	54.2	149	73.8	173	124	74.0	144	47.0	21.3	16.4
MAX	48	174	173	626	178	488	302	199	455	110	33	21
MIN	17	35	30	36	40	91	63	31	43	23	17	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1998, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
MEAN	52.9	79.0	87.0	87.4
MAX	217	213	190	211
(WY)	1956	1956	1974	1979
MIN	14.1	13.3	35.4	18.7
(WY)	1965	1965	1965	1981
				1940
				1965
				1946
				1985
				1965
				1991
				1956
				1980

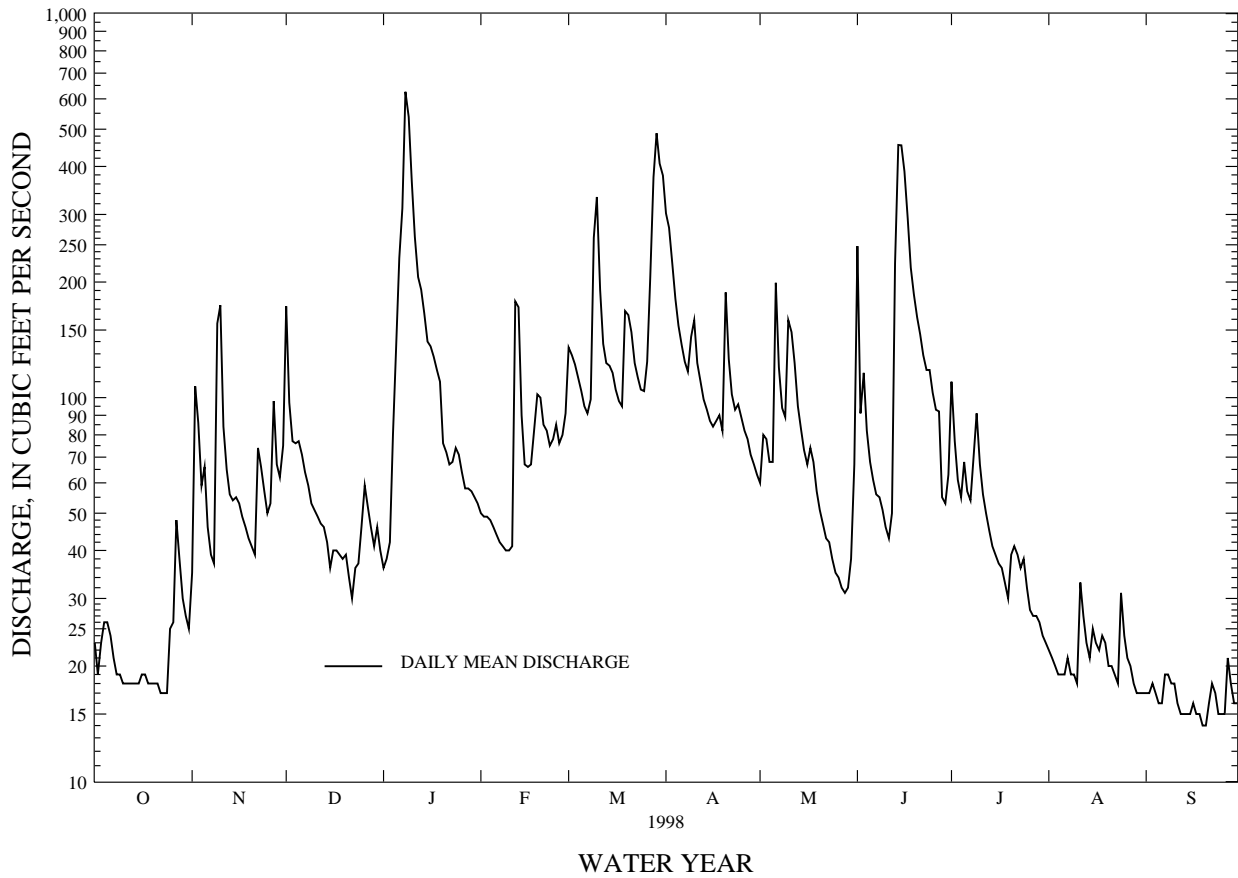
HUDSON RIVER BASIN

01331500 HOOSIC RIVER AT ADAMS, MA--Continued

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1932 - 1998	
ANNUAL TOTAL	29918		29376		90.1	
ANNUAL MEAN	82.0		80.5		130	
HIGHEST ANNUAL MEAN					41.2	
LOWEST ANNUAL MEAN					2410	
HIGHEST DAILY MEAN	417	Apr 7	626	Jan 8	8.0	Mar 18 1936
LOWEST DAILY MEAN	16	Sep 24	14	Sep 19	8.8	Aug 31 1968
ANNUAL SEVEN-DAY MINIMUM	16	Sep 22	15	Sep 14	5080	Sep 7 1980
INSTANTANEOUS PEAK FLOW			710	Jan 8	9.25	Sep 21 1938
INSTANTANEOUS PEAK STAGE			7.59	Jan 8		
INSTANTANEOUS LOW FLOW			14	Sep 19		
10 PERCENT EXCEEDS	192		165		192	
50 PERCENT EXCEEDS	54		55		56	
90 PERCENT EXCEEDS	19		18		22	

e Estimated

HOOSIC RIVER AT ADAMS, MA 01331500



HUDSON RIVER BASIN

01332500 HOOSIC RIVER NEAR WILLIAMSTOWN, MA

LOCATION.--Lat 42°42'01", long 73°09'34", Berkshire County, Hydrologic Unit 02020003, on left bank 0.3 mi downstream from Sherman Brook and 2.7 mi east of junction of U.S. Highway 7 and State Highway 2 in Williamstown.

DRAINAGE AREA.--126 mi².

PERIOD OF RECORD.--Discharge: July 1940 to current year.
Water-quality records: Water years 1953-54, 1957-58, 1967-69.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 616.11 ft above sea level, (U.S. Army Corps of Engineers benchmark). Prior to June 6, 1979, at site 1.2 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Prior to 1966, slight diurnal fluctuation at low flow caused by mills upstream. Some regulation by Cheshire Reservoir 16 mi upstream. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--58 years, 273 ft³/s, 29.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft³/s, Dec. 31, 1948, gage height, 14.85 ft, former site and datum, from rating curve extended above 4,300 ft³/s on basis of contracted-opening measurement of peak flow; minimum, 5.8 ft³/s, Aug. 30, 31, Oct. 26, 1940; minimum daily, 24 ft³/s, Sept. 9, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,540 ft³/s, Jan. 9, gage height, 8.89 ft; minimum, 43 ft³/s, Aug. 10, Sept. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	107	712	e100	140	410	1230	162	640	248	76	51
2	68	476	361	e110	138	401	1100	229	224	209	64	52
3	101	388	268	124	139	383	886	229	261	163	58	55
4	115	242	253	237	135	338	634	196	188	142	52	53
5	103	281	254	390	132	309	483	189	157	181	53	50
6	93	191	232	656	128	279	403	686	140	149	49	48
7	75	158	208	1130	121	260	352	426	131	135	51	59
8	68	141	191	2420	121	256	326	308	139	175	52	62
9	64	433	171	2570	117	743	380	264	132	235	48	59
10	62	587	163	1290	117	1210	375	421	117	172	46	68
11	58	303	155	794	119	634	303	439	108	142	132	58
12	57	225	149	558	563	413	270	401	122	127	81	54
13	56	191	144	496	552	343	248	288	1090	115	62	52
14	56	182	135	396	280	333	231	241	1810	105	58	52
15	58	176	114	318	200	306	218	209	1930	98	61	51
16	61	165	128	315	199	274	207	186	1210	93	59	52
17	60	155	130	292	200	255	214	212	1300	94	58	51
18	58	151	124	270	260	250	217	197	891	88	63	50
19	57	140	121	253	303	436	201	165	659	80	63	49
20	57	136	121	220	292	407	556	147	515	91	57	49
21	56	130	105	198	254	378	365	136	567	97	55	58
22	55	242	90	180	235	308	282	126	370	90	53	70
23	55	212	108	176	222	276	242	119	306	96	51	60
24	54	185	109	197	229	259	248	111	291	100	74	53
25	73	162	134	188	251	256	243	103	240	81	66	50
26	83	173	183	170	221	299	227	100	223	69	62	48
27	177	327	158	155	222	708	208	96	247	66	58	69
28	150	225	138	158	248	1620	191	91	188	67	55	56
29	108	205	120	156	---	2190	178	88	161	73	53	51
30	93	244	140	153	---	1670	170	97	178	75	52	50
31	85	---	124	148	---	1600	---	162	---	79	51	---
TOTAL	2398	6933	5543	14818	6138	17804	11188	6824	14535	3735	1873	1640
MEAN	77.4	231	179	478	219	574	373	220	485	120	60.4	54.7
MAX	177	587	712	2570	563	2190	1230	686	1930	248	132	70
MIN	54	107	90	100	117	250	170	88	108	66	46	48
CFSM	.61	1.83	1.42	3.79	1.74	4.56	2.96	1.75	3.85	.96	.48	.43
IN.	.71	2.05	1.64	4.37	1.81	5.26	3.30	2.01	4.29	1.10	.55	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

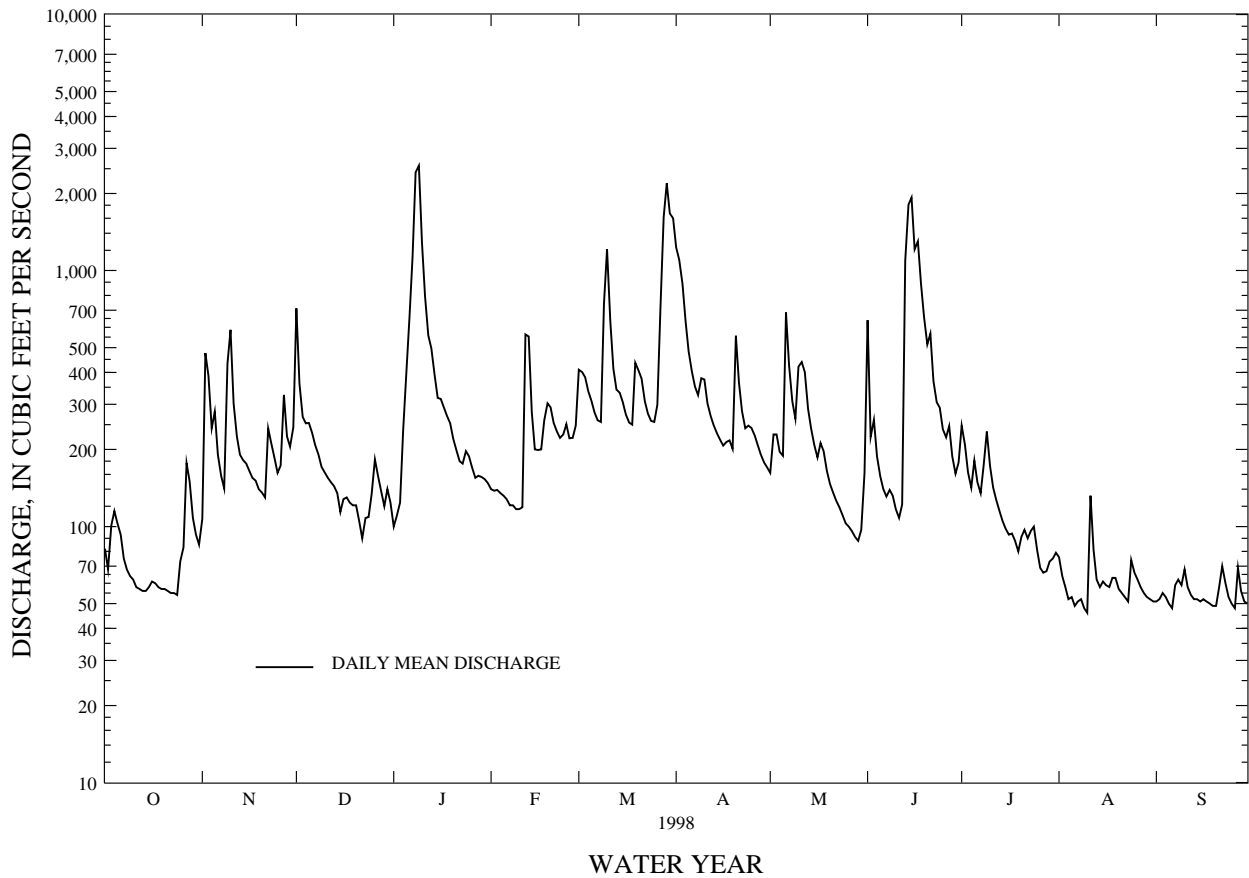
MEAN	173	260	275	249	243	446	677	374	216	133	115	120
MAX	618	544	714	591	765	1038	1178	872	636	393	416	454
(WY)	1978	1956	1974	1949	1981	1979	1969	1943	1972	1945	1976	1960
MIN	41.0	46.5	118	60.8	75.3	139	253	144	81.0	60.4	48.2	34.5
(WY)	1965	1965	1962	1981	1980	1965	1995	1987	1965	1962	1980	1980

01332500 HOOSIC RIVER NEAR WILLIAMSTOWN, MA--Continued

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1940 - 1998	
ANNUAL TOTAL	86881		93429			
ANNUAL MEAN	238		256		273	
HIGHEST ANNUAL MEAN					368	
LOWEST ANNUAL MEAN					135	
HIGHEST DAILY MEAN	1500	Apr 7	2570	Jan 9	10400	Dec 31 1948
LOWEST DAILY MEAN	47	Aug 2	46	Aug 10	24	Sep 9 1980
ANNUAL SEVEN-DAY MINIMUM	51	Jul 28	50	Aug 4	25	Sep 9 1980
INSTANTANEOUS PEAK FLOW			3540	Jan 9	13000	Dec 31 1948
INSTANTANEOUS PEAK STAGE			8.89	Jan 9	14.85	Dec 31 1948
INSTANTANEOUS LOW FLOW			43	Aug 10	5.8	Aug 30 1940
ANNUAL RUNOFF (CFSM)	1.89		2.03		2.17	
ANNUAL RUNOFF (INCHES)	25.65		27.58		29.45	
10 PERCENT EXCEEDS	581		488		582	
50 PERCENT EXCEEDS	151		162		165	
90 PERCENT EXCEEDS	57		55		66	

e Estimated

HOOSIC RIVER NEAR WILLIAMSTOWN, MA 01332500



HUDSON RIVER BASIN

01333000 GREEN RIVER AT WILLIAMSTOWN, MA

LOCATION.--Lat 42°42'32", long 73°11'50", Berkshire County, Hydrologic Unit 02020003, on left bank 0.1 mi upstream from bridge on State Highway 2 at Williamstown and 0.8 mi upstream from mouth.

DRAINAGE AREA.--42.6 mi².

PERIOD OF RECORD.--Discharge: September 1949 to current year.
Water-quality records: Water years 1967-69.

REVISED RECORDS.--WDR MA-RI-84-1: 1977-78(P), 1979, 1980-83(P).

GAGE.--Water-stage recorder. Elevation of gage is 615 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight diurnal fluctuation at times caused by mill upstream.

AVERAGE DISCHARGE.--49 years, 82.3 ft³/s, 26.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,060 ft³/s, Dec. 21, 1973, gage height, 5.68 ft in gage well, from rating curve extended above 750 ft³/s on basis of slope-area measurement at gage height 4.94 ft; maximum gage height, 6.35 ft, Mar. 13, 1977, from floodmarks, gage height in well unknown; minimum discharge, 3.1 ft³/s, Sept. 20, 22, 24, 25, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 31, 1948, reached a stage of about 7.5 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 772 ft³/s, June 14, gage height, 3.55 ft; minimum, 5.3 ft³/s, Sept. 20, 21, 26, 29, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	221	e33	48	167	208	51	121	50	13	6.9
2	9.7	42	132	e35	e46	156	205	61	48	46	12	7.0
3	14	50	e90	e45	46	145	179	56	61	40	11	8.6
4	15	41	e66	e84	45	133	151	53	45	36	11	7.2
5	14	43	e60	e150	44	123	130	53	39	45	11	6.7
6	12	32	e56	e250	41	114	114	97	35	35	11	6.6
7	10	27	e50	e370	e40	108	103	72	33	32	11	9.9
8	9.8	25	e45	e470	e38	105	98	65	34	52	10	9.8
9	9.4	101	e41	e400	e37	234	102	65	31	52	9.0	8.3
10	8.9	141	e39	e300	e36	376	94	84	28	41	10	8.1
11	8.3	86	e38	e240	39	232	82	81	26	36	40	6.8
12	8.2	69	e37	e190	190	159	76	73	30	33	18	6.5
13	8.2	58	e35	e150	151	132	71	65	102	30	14	6.3
14	8.1	57	e33	e120	95	122	67	60	357	28	12	6.2
15	8.6	52	e31	e110	70	106	64	55	433	26	12	6.1
16	9.3	49	e32	e100	73	96	61	50	334	26	11	6.3
17	8.4	46	e33	e95	75	89	61	51	270	28	11	6.4
18	8.2	44	e33	e90	101	84	57	47	184	24	13	6.1
19	8.2	42	e32	e84	118	151	58	43	159	22	14	5.8
20	8.0	40	e30	e80	107	124	134	39	117	27	10	5.5
21	7.9	40	e28	e76	97	114	93	36	97	26	9.4	6.9
22	7.9	96	e25	71	93	101	82	34	83	23	8.8	14
23	7.6	74	e28	69	85	92	78	32	70	22	8.5	9.4
24	7.6	65	e32	75	87	88	78	30	79	21	17	6.3
25	12	56	e37	68	84	89	74	28	59	18	12	5.7
26	12	71	e46	61	79	108	68	27	55	17	11	5.5
27	19	134	e44	57	82	172	65	25	74	16	9.2	11
28	18	85	e37	58	97	335	60	24	53	16	8.1	7.5
29	15	81	e33	54	---	362	57	25	48	15	7.5	6.0
30	13	109	e37	53	---	275	53	26	54	14	7.6	5.5
31	13	---	e34	50	---	231	---	58	---	14	7.4	---
TOTAL	331.3	1869	1515	4088	2144	4923	2823	1566	3159	911	370.5	218.9
MEAN	10.7	62.3	48.9	132	76.6	159	94.1	50.5	105	29.4	12.0	7.30
MAX	19	141	221	470	190	376	208	97	433	52	40	14
MIN	7.6	13	25	33	36	84	53	24	26	14	7.4	5.5
CFSM	.25	1.46	1.15	3.10	1.80	3.73	2.21	1.19	2.47	.69	.28	.17
IN.	.29	1.63	1.32	3.57	1.87	4.30	2.47	1.37	2.76	.80	.32	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1998, BY WATER YEAR (WY)

MEAN	45.4	78.1	93.9	81.2	81.7	144	206	112	61.7	31.7	26.3	27.5
MAX	222	171	259	219	239	376	390	251	256	124	147	158
(WY)	1978	1956	1974	1979	1984	1979	1969	1984	1972	1996	1975	1960
MIN	5.33	6.71	24.8	11.0	14.6	33.6	70.5	32.4	18.2	8.30	5.61	4.09
(WY)	1965	1965	1965	1981	1980	1965	1995	1987	1965	1993	1964	1964

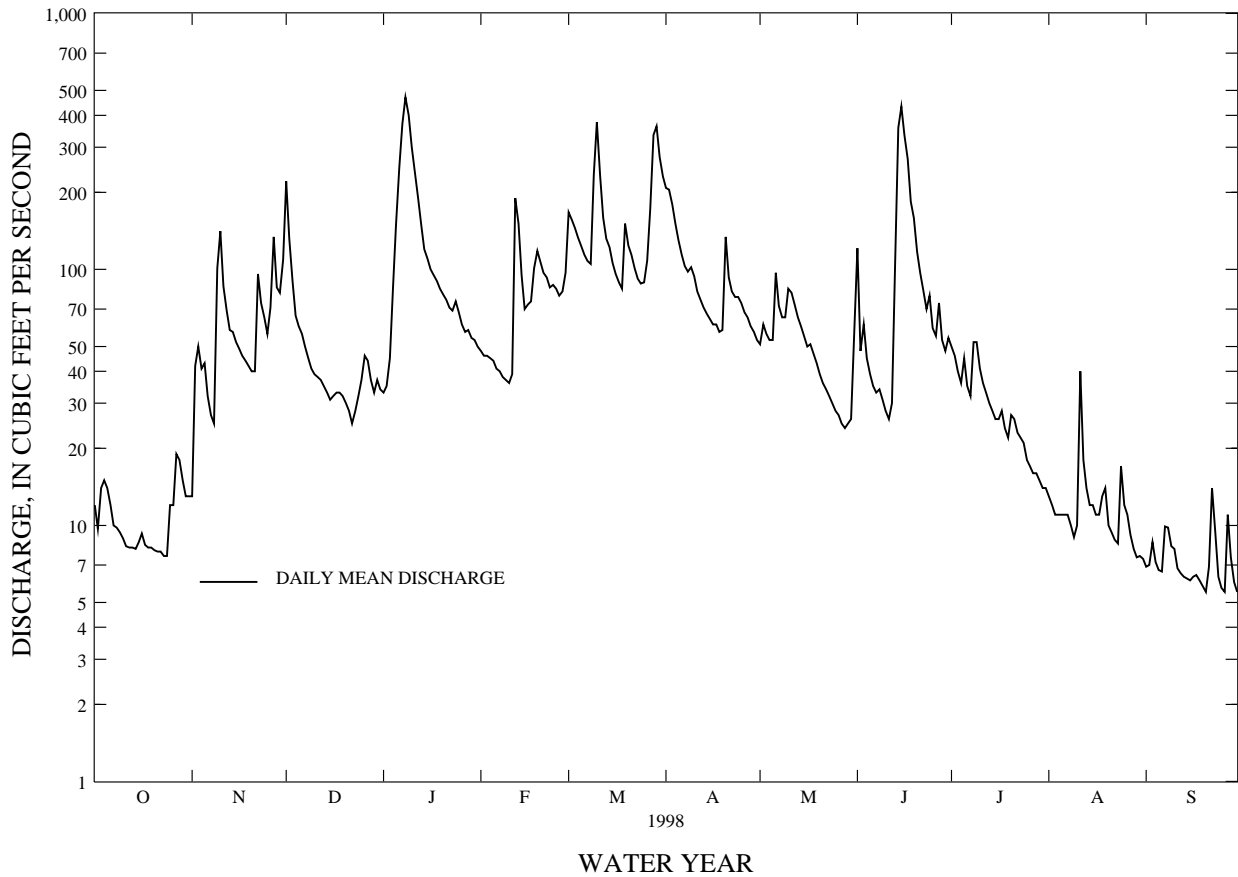
HUDSON RIVER BASIN

01333000 GREEN RIVER AT WILLIAMSTOWN, MA--Continued

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1949 - 1998	
ANNUAL TOTAL	26875.8		23918.7		82.3	
ANNUAL MEAN	73.6		65.5		126	
HIGHEST ANNUAL MEAN					31.7	
HIGHEST DAILY MEAN	411	Mar 26	470	Jan 8	2200	Dec 21 1973
LOWEST DAILY MEAN	7.0	Sep 28	5.5	Sep 20	3.2	Sep 20 1964
ANNUAL SEVEN-DAY MINIMUM	7.9	Sep 22	6.1	Sep 14	3.4	Sep 19 1964
INSTANTANEOUS PEAK FLOW			772	Jun 14	4060	Dec 21 1973
INSTANTANEOUS PEAK STAGE			3.55	Jun 14	6.35	Mar 13 1977
INSTANTANEOUS LOW FLOW			5.3	Sep 20	3.1	Sep 20 1964
ANNUAL RUNOFF (CFSM)	1.73		1.54		1.93	
ANNUAL RUNOFF (INCHES)	23.47		20.89		26.26	
10 PERCENT EXCEEDS	189		137		186	
50 PERCENT EXCEEDS	43		45		48	
90 PERCENT EXCEEDS	8.9		8.2		11	

e Estimated

GREEN RIVER AT WILLIAMSTOWN, MA 01333000



DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in a table of discharge measurements at low-flow partial-record stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a second table.

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*).

Discharge measurements made at miscellaneous sites October 1997 through November 1998

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MERRIMACK RIVER BASIN						
01097275 Port Pond Brook	Nashoba Brook	Lat 42°27'28", long 71°26'01", Middlesex County, at bridge on Parker Street, about 2 mi upstream from Nashoba Brook and 1.5 mi east of South Acton, MA.	21.9	--	3-17-98	74.4
					4- 7-98	43.5
					4-28-98	45.3
					7-14-98	13.8
					8- 4-98	6.84
9-11-98	.59					
					11-10-98	5.22
01097278 Coles Brook	do.	Lat 42°27'50", long 71°25'26", Middlesex County, at downstream side of culvert at School Street, about 1 mi upstream from Nashoba Brook and 2 mi east of South Acton, MA.	1.94	--	3-17-98	5.21
					4- 7-98	3.47
					4-28-98	3.08
					7-14-98	1.69
					8- 4-98	1.40
					9-11-98	.68
					11-10-98	1.26
01100561 Spicket River	Merrimack River	Lat 42°44'35", long 71°12'32", Essex County, at bridge on Hampshire Road, on Massachusetts-New Hampshire border, 0.2 mi downstream from Policy Brook and 3 mi northwest of Methuen, MA.	62.1	1973-74	d11- 2-98	109
					d12-30-98	83.8
					d1- 9-98	186
					d2-21-98	319
					d2-25-98	438
					d6-14-98	796
					d6-15-98	1,340
					d6-16-98	1,300
NEPONSET RIVER BASIN						
01105195 Massapoag Brook	East Branch Neponset River	Lat 42°06'39", long 71°10'32", Norfolk County, about 200 ft downstream from the outlet of Massapoag Lake at Sharon, MA	--	--	6-11-98	.58
					6-11-98	.66
					6-11-98	1.45
					6-11-98	1.69
					6-11-98	4.76
					6-11-98	9.53
					6-11-98	17.0
					6-11-98	1.68
					6-18-98	62.4
					7-23-98	3.39
					7-23-98	3.30
PALMER RIVER BASIN						
01109195 East Branch Palmer River	Palmer River	Lat 41°50'30", long 71°14'35", Bristol County, at bridge on State Highway 118, at Rehoboth, MA.	12.4	1972-74	3-27-98	39.6
					4-22-98	48.0
					6-29-98	14.3
					8-18-98	5.71
					9- 2-98	2.50
01109205 West Branch Palmer River	do.	Lat 41°51'42", long 71°15'33", Bristol County, north of Route 44 and west of Route 118, downstream of bridge on Perryville Road at Perryville, MA.	6.75	1995-97	4-22-98	20.9
					6-29-98	7.53

See footnotes at end of table

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

353

Discharge measurements made at miscellaneous sites October 1997 through November 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PALMER RIVER BASIN--Continued						
01109223 Rocky Run	Palmer River	Lat 41°47'51", long 71°14'23", Bristol County, upstream of bridge on Martin Street at Rehoboth, MA.	5.72	1995-97	4-22-98 6-29-98	19.2 6.58
PAWTUXET RIVER BASIN						
01115110 Huntinghouse Brook	Regulating Reservoir	Lat 41°50'48", long 71°36'44", Providence County, at Elmdale Road, 1.6 mi north- west of North Scituate, RI.	6.31	1993-97	10-28-97 12-12-97 1-13-98 2-26-98 9- 8-98 9-25-98	1.11 5.14 13.9 53.6 1.08 .31
01115114 Huntinghouse Brook	do.	Lat 41°50'48", long 71°36'44", Providence County, at Elmdale Road, 1.6 mi north- west of North Scituate, RI.	6.31	1993-97	10-28-97 12-10-97 1-13-98 2-25-98 9- 8-98 9-25-98	.70 3.46 10.3 68.6 1.78 .27
01115120 Unnamed Tributary	Scituate Reservoir	Lat 41°49'53", long 71°36'34", Providence County, at State Highway 6, 1.2 mi west of North Scituate, RI.	.42	1994-97	10-28-97 12-10-97 1-12-98 2-25-98 2-26-98 9-25-98	0 .10 .50 2.78 1.54 0
01115180 Brandy Brook	do.	Lat 41°49'10", long 71°35'11", Providence County, at State Highway 116, 0.9 mi south of North Scituate, RI.	1.59	1993-97	10-29-97 12-11-97 1-14-98 2-26-98 9- 4-98 9-24-98	.62 3.01 4.93 9.13 .71 .67
01115183 Quonapaug Brook	do.	Lat 41°47'51", long 71°24'53", Providence County, at State Highway 116, 2.4 mi south of North Scituate, RI.	1.96	1994-97	10-29-97 12-11-97 1-14-98 2-26-98 9- 8-98 9-24-98	1.15 2.77 6.51 16.2 3.33 .60
01115184 Spruce Brook	do.	Lat 41°47'19", long 71°37'14", Providence County, 0.2 mi south of State Highway 14, 3.5 mi southwest of North Scituate, RI.	.30	1994-97	10-29-97 12-11-97 1-13-98 2-26-98 9- 3-98 9-23-98	.22 1.69 4.52 7.93 .16 .62
01115185 Winsor Brook	Ponaganset River	Lat 41°50'10", long 71°423'23", Providence County, at Winsor Road, 1.3 mi northwest of South Foster, RI.	--	1993-94	12-10-97 1-12-98 2-25-98 8-20-98 9- 3-98 9-23-98	2.52 9.46 55.4 1.11 .33 .34
01115190 Dolly Cole Brook	Barden Reservoir	Lat 41°49'20", long 71°42'03", Providence County, at Old Danielson Pike, at South Foster, RI.	5.07	1993-97	10-29-97 12-10-97 1-12-98 2-25-98 8-20-98 9- 9-98 9-23-98	.32 4.01 14.1 69.8 1.27 .49 .76
01115265 Hemlock Brook	do.	Lat 41°47'26", long 71°41'57", Providence County, at King Road, 1.2 mi northeast Foster Center, RI.	--	1996-97	10-28-97 12-10-97 1-12-98 2-25-98 8-20-98 9- 3-98 9-23-98	1.30 5.78 30.2 128 13.1 1.28 2.42

See footnotes at end of table

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites October 1997 through November 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PAWTUXET RIVER BASIN--Continued						
01115280 Cork Brook	Scituate Reservoir	Lat 41°48'14", long 71°39'01", Providence County, at Rockland Scituate Road, 0.8 mi northeast of Crazy Corners, RI.	1.91	1993-97	10-28-97	0.32
					12-10-97	1.44
					1-14-98	4.71
					2-26-98	12.7
					9- 3-98	.18
9-23-98	.34					
01115297 Wilbur Hollow Brook	Barden Reservoir	Lat 41°45'53", long 71°38'10", Providence County, at Old Plainfield Pike, 2.2 mi southeast of Rockland, RI.	4.45	1992-97	12-11-97	4.19
					1-14-98	11.1
					2-26-98	30.7
					9- 4-98	.43
					9-24-97	4.28
01115500 Pawtuxet River	Narragansett Bay	Lat 41°43'58", long 71°33'01", Providence County, near Fairground Way, at Fiskeville, RI.	102	1915-25 ^b , 1986-87 ^h , 1996-97	12-27-97	34.6
					1-14-98	43.2
					2-26-98	135
					7- 1-98	1,610
					9- 9-98	20.0
					9-24-98	20.1
01115630 Nooseneck River	Big River	Lat 41°37'36", long 71°37'59", Kent County, at State Highway 3 at Nooseneck, and 5.5 mi southwest of Washington, RI.	8.23	1961-63, 1964-81 ^b , 1993-97	10-16-97	1.96
					11-12-97	11.5
					12- 8-97	8.65
					1-15-98	19.7
					2-17-98	24.0
					3-24-98	44.6
					4-13-98	27.2
					5-19-98	28.4
					6-25-98	32.6
					7-15-98	12.0
					8-24-98	4.02
9-28-98	4.65					
10-27-98	5.01					
01115670 Congdon River	do.	Lat 41°36'44", long 71°37'24", Kent County, at Congdon Mill Road, 1.3 mi southeast of Nooseneck, RI.	4.46	1961-63, 1995-97	10-16-97	1.18
					11-12-97	5.17
					12- 8-97	4.84
					1-15-98	10.5
					2-17-98	11.1
					3-24-98	20.4
					4-13-98	13.6
					5-19-98	13.6
					6-25-98	18.9
					7-15-98	6.52
					8-24-98	3.15
9-28-98	3.12					
10-27-98	2.40					
01115700 Unnamed Tributary	Congdon River	Lat 41°36'46", long 71°37'06", Kent County, at Sweet Sawmill Road, 1.3 mi southeast of Nooseneck, RI.	.48	1961-63, 1995-97	10-16-97	.33
					11-12-97	.54
					12- 8-97	.58
					1-15-98	.87
					2-17-98	1.39
					3-24-98	2.63
					4-13-98	1.96
					5-19-98	1.92
					6-25-98	2.21
					7-15-98	1.44
					8-24-98	.81
9-28-98	.66					
10-27-98	.42					

See footnotes at end of table

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at miscellaneous sites October 1997 through November 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PAWTUXET RIVER BASIN--Continued						
01115730 Carr River	Capwell Mill Pond	Lat 41°38'01", long 71°34'52", Kent County, at New London Turnpike, 4 mi south of Washington, RI.	2.88	1961-63, 1995-97	11-12-97 12- 9-97 1-15-98 2-17-98 3-24-98 4-13-98 5-20-98 6-25-98 7-16-98 8-24-98 9-29-98 10-27-98	2.83 2.64 7.74 10.8 21.7 12.4 13.6 13.2 5.42 2.92 1.06 1.12
01115770 Carr River	Big River	Lat 41°38'35", long 71°36'30", Kent County, at Burnt Sawmill Road, 1.5 mi northeast of Nooseneck, RI, and 4 mi southwest of Washington, RI.	7.33	1964-80 ^b , 1995-97	10-16-97 11-12-97 12- 8-97 1-15-98 2-17-98 3-24-98 4-13-98 5-19-98 6-25-98 7-15-98 8-24-98 9-28-98 10-27-98	1.00 7.32 5.97 13.9 17.1 28.9 20.6 21.1 22.9 9.87 3.43 2.68 2.62
01115800 Big River	Pawtuxet River	Lat 41°38'41", long 71°36'48", Kent County, at State Highway 3, 0.6 mi east of Kitts Corner, RI.	23.1	1992-97	10-17-97 11-12-97 12- 8-97 1-15-98 2-17-98 3-25-98 4-14-98 5-19-98 6-26-98 7-15-98 8-25-98 9-29-98 10-27-98	5.83 31.4 26.3 51.9 62.7 121 68.1 71.9 80.9 32.7 12.6 11.8 8.11
01115830 Bear Brook	do.	Lat 41°39'37", long 71°37'42", Kent County, at Fish Hill Road, 3 mi south of Coventry, RI.	3.98	1961-63, 1996-97	10-17-97 11-13-97 12- 9-97 1-15-98 2-17-98 3-25-98 4-14-98 5-20-98 6-26-98 7-16-98 8-25-98 9-29-98 10-28-98	.56 4.52 4.68 10.5 11.7 17.7 10.7 9.96 11.0 3.54 1.06 .45 1.06
01115963 Old Hickory Brook	do.	Lat 41°39'23", long 71°36'00", Kent County, at Mishnock Road, 1.5 mi north- east of Kitts Corner, RI.	--	1996-97	10-17-97 11-13-97 12- 9-97 1-15-98 2-17-98 3-25-98 4-14-98 5-20-98 6-26-98 7-16-98 8-25-98 9-29-98 10-28-98	.02 .19 .13 .35 .52 .76 .50 .54 .57 .16 .03 .02 .03

See footnotes at end of table

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites October 1997 through November 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PAWTUXET RIVER BASIN--Continued						
01115965 Outflow of Lake Mishnock	Pawtuxet River	Lat 41°39'20", long 71°35'28", Kent County, at Mishnock Road, 1.9 mi north-east of Kitts Corner, RI.	--	1996-97	10-17-97	2.28
					11-13-97	3.33
					12- 9-97	3.55
					1-15-98	3.15
					2-17-98	8.33
					3-25-98	5.79
					4-14-98	4.77
					5-20-98	4.89
					6-26-98	4.98
					7-16-98	4.49
					8-25-98	3.30
9-29-98	2.70					
10-28-98	3.01					
01115970 Mishnock River	do.	Lat 41°40'44", long 71°34'52", Kent County, at State Highway 3, 1 mi south-west of Washington, RI.	3.32	1961-63, 1996-97	10-17-97	2.43
					11-13-97	6.43
					12- 9-97	4.42
					1-15-98	7.40
					2-17-98	9.68
					3-25-98	12.8
					4-14-98	9.60
					5-20-98	8.28
					6-26-98	9.28
					7-16-98	4.98
					8-25-98	2.93
9-29-98	3.28					
10-28-98	3.54					
COCUMCOSSUC BROOK BASIN						
01117050 Cocumcossuc Brook	Narragansett Bay	Lat 41°35'01", long 71°27'55", Washington County, at State Highway 1, 1.2 mi northwest of Wickford, RI.	1.52	1995-96	10- 8-96	1.14
					11-20-96	2.44
CONNECTICUT RIVER BASIN						
01164400 Lawrence Brook	East Branch Tully River	Lat 42°39'01", long 72°12'02", Worcester County, upstream of bridge at the junctions of Doane's Hill Road and Athol Road, 2.0 mi south of Royalston, MA.	26.8	1995-97	4-30-98	33.2
					6- 5-98	18.7
01165080 West Branch Tully River	Millers River	Lat 42°40'16", long 72°16'32", Franklin County, upstream of culvert on Flagg Road at Blissville, 2.5 mi north of North Orange, MA.	5.98	1995-97	4-30-98	6.31
					6- 5-98	4.51
					9-30-98	.23
01166390 Keyup Brook	do.	Lat 42°37'09", long 72°23'37", Franklin County, at bridge on Laurel Lake Road, 0.5 mi upstream of Jacks Brook and 1.4 mi north of Erving, MA.	3.84	--	3-27-98	12.0
					4-29-98	3.89
					6- 4-98	5.17
					8-18-98	.78
					9- 2-98	.10
9-30-98	.18					
01166600 Mormom Hollow Brook	do.	Lat 42°34'16", long 72°25'55", Franklin County, 1.4 mi above mouth, 2.0 mi southeast of Farley 2.5 mi northwest of Wendell, MA.	3.96	1996-97	4-30-98	4.61
					6- 5-98	4.64
					9-30-98	.26
01168700 Clark Brook	Deerfield River	Lat 42°36'48", long 72°46'05", Franklin County, at culvert on State Highway 112 0.5 mi above mouth and 1.7 miles north-west of Shelburne Falls, MA.	2.82	1967-69, 1995-97	4-29-98	2.84
					6- 4-98	3.03
01168795 Foundry Brook	East Branch North River	Lat 42°40'47", long 72°43'21", Franklin County, 0.5 mi above mouth, near Foundry Village, MA.	1.99	1995-97	4-29-98	3.11
					6- 4-98	2.86

See footnotes at end of table

Discharge measurements made at miscellaneous sites October 1997 through November 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
CONNECTICUT RIVER BASIN--Continued						
01169507 Drakes Brook	Bear River	Lat 42°32'29", long 72°43'40", Franklin County, 100 ft above confluence with Bear River, near Conway, MA.	3.46	1996-97	4-29-98 6- 4-98	3.80 4.46
01173900 Middle Branch Swift River	Quabbin Reservoir	Lat 42°32'45", long 72°19'10", Franklin County, at culvert on Elm St., at North New Salem, MA.	4.76	1980-82, 1995-97	4-30-98 6- 5-98	4.45 4.32

- ^a Operated as a continuous-record gaging station 1972-86; since 1986 an unpublished continuous stage record has been collected.
- ^b Operated as a continuous-record gaging station.
- ^c Operated as a continuous-record gaging station prior to 1991; since 1991 an unpublished continuous stage record has been collected.
- ^d Peak flow.
- ^f Flow affected by public-supply wells for supply of East Greenwich, North Kingstown, Warwick, and Quonset Point (formerly U.S. Naval establishments).
- ^g Flow affected by ground-water pumpage of about 2.0 ft³/s from operation of State fish hatchery.
- ^h Data not published in 1986-87 annual data report.