

CHARLES RIVER BASIN

01104430 HOBBS BROOK BELOW CAMBRIDGE RESERVOIR NEAR KENDAL GREEN, MA

LOCATION.--Lat 42°23'53", Long 71°16'26", Middlesex County, Hydrologic Unit 01090001, 50 ft downstream of culvert on Winter Street, 300 ft downstream of gate house outlet from Cambridge Reservoir, and 1.3 mi north of Kendal Green.

DRAINAGE AREA.--6.86 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 150 ft above sea level from topographic maps.

REMARKS.--Records good. Flow affected by regulation of dam 300 ft upstream at outflow of Cambridge Reservoir.

AVERAGE DISCHARGE.--4 years , 9.97 ft³/s

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft³/s, Apr. 22, 2000, gage height, 1.93 ft; minimum, no flow, Apr. 10, 2001; minimum daily, 0.01 ft³/s, Apr. 12, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35 ft³/s, Oct. 26, gage height, 1.84 ft; minimum, no flow, Apr. 10, minimum daily, 0.01 ft³/s, Apr. 12.

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	31	31	32	0.29	0.37	0.37	1.1	9.5	1.1	11	23	21
2	30	33	31	.29	.36	.37	4.2	9.1	1.6	18	23	21
3	29	28	31	.25	.38	.36	12	8.8	1.7	16	23	21
4	29	21	31	.24	.40	.36	18	8.1	1.7	13	23	21
5	29	21	31	.27	.41	.37	22	7.9	1.5	13	23	21
6	28	26	31	.29	.42	.39	23	6.4	1.3	12	22	21
7	27	33	31	.32	.45	.40	26	4.4	1.3	9.9	23	21
8	27	33	31	.32	2.1	.38	30	7.5	1.2	8.4	23	21
9	26	32	30	.33	1.5	.39	33	15	1.1	7.2	23	21
10	28	30	30	.35	.15	.41	14	17	1.1	6.2	23	21
11	29	30	30	.35	.13	.41	.33	16	12	6.0	22	23
12	29	30	30	.35	.29	.41	.01	16	17	4.2	22	27
13	29	14	30	.34	.40	.41	.04	16	18	2.2	22	27
14	29	.12	30	.31	.41	.41	.05	16	17	1.6	22	27
15	29	.08	30	.31	.41	.40	.14	24	17	1.4	22	27
16	29	.06	30	.31	.40	.40	.12	29	17	1.1	22	27
17	29	.05	30	.32	.39	.41	.14	29	17	1.2	22	27
18	28	.04	30	.73	.37	.45	.02	30	6.3	1.3	22	26
19	27	.03	30	.33	.36	.45	.19	30	2.4	1.3	22	24
20	29	.03	11	.32	.37	.76	.67	29	3.5	1.0	22	22
21	30	.05	.49	.32	.37	1.1	.54	20	9.9	1.0	22	22
22	30	.05	.33	.34	.37	1.3	6.9	12	8.9	1.0	22	22
23	30	.05	.31	.34	.36	.52	13	12	8.3	1.1	22	22
24	30	.05	.26	.34	.35	.61	13	8.1	11	1.1	22	22
25	32	.05	.22	.33	.36	.67	13	.85	17	7.2	22	16
26	34	.05	.21	.32	.37	.67	14	.84	15	18	22	15
27	34	.05	.23	.32	.35	.67	13	.92	13	23	22	21
28	33	.05	.23	.32	.36	.70	10	.94	11	23	22	23
29	33	.05	.23	.35	---	.73	7.6	.98	8.2	23	22	23
30	33	21	.25	.34	---	.81	7.6	1.1	7.0	23	21	23
31	31	---	.27	.34	---	.97	---	1.0	---	23	21	---
TOTAL	921	383.86	593.03	10.28	12.96	17.06	283.65	387.43	250.1	280.4	689	676
MEAN	29.7	12.8	19.1	.33	.46	.55	9.45	12.5	8.34	9.05	22.2	22.5
MAX	34	33	32	.73	2.1	1.3	33	30	18	23	23	27
MIN	26	.03	.21	.24	.13	.36	.01	.84	1.1	1.0	21	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

MEAN	15.7	11.8	10.3	4.24	2.91	4.99	11.6	10.3	8.59	10.3	14.3	14.2
MAX	29.7	24.0	19.1	6.11	6.74	16.1	25.6	17.9	16.5	23.9	26.0	22.5
(WY)	2001	1999	2001	2000	2000	2000	2000	1998	1998	1998	1998	2001
MIN	.75	.42	4.83	.33	.32	.23	1.67	4.48	4.26	3.25	4.48	1.62
(WY)	2000	2000	2000	2001	1999	1999	1999	1999	2000	2000	1999	1999

SUMMARY STATISTICS			FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR			WATER YEARS 1997 - 2001		
ANNUAL TOTAL			4866.60			4504.77			9.97		
ANNUAL MEAN			13.3			12.3			12.8		
HIGHEST ANNUAL MEAN									1998		
LOWEST ANNUAL MEAN									1999		
HIGHEST DAILY MEAN			37			Apr 21			6.14		
LOWEST DAILY MEAN			.03			Nov 19			.01		
ANNUAL SEVEN-DAY MINIMUM			.04			Nov 17			.04		
MAXIMUM PEAK FLOW						35			39		
MAXIMUM PEAK STAGE						Oct 26			Apr 22 2000		
INSTANTANEOUS LOW FLOW						1.84			1.98		
10 PERCENT EXCEEDS			31			Oct 26			Oct 10 1997		
50 PERCENT EXCEEDS			6.4			9.1			.00		
90 PERCENT EXCEEDS			.54			.27			Apr 10 2001		

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WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1997 to current year.
 WATER TEMPERATURE: July 1997 to current year.
 CALCIUM CONCENTRATION: October 1997 to September 1998 (discontinued).
 CALCIUM LOAD: October 1997 to September 1998 (discontinued).
 SODIUM CONCENTRATION: October 1997 to September 1998 (discontinued).
 SODIUM LOAD: October 1997 to September 1998 (discontinued).
 CHLORIDE CONCENTRATION: October 1997 to September 1998 (discontinued).
 CHLORIDE LOAD: October 1997 to September 1998 (discontinued).

INSTRUMENTATION.--Specific conductance and temperature water-quality monitor.

REMARKS.--Records good. Specific conductance and temperature water-quality probes located in brook at outflow below Cambridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,940 $\mu\text{S}/\text{cm}$, March 20, 2001; minimum, 163 $\mu\text{S}/\text{cm}$, Nov. 26, 2000.
 WATER TEMPERATURE: Maximum recorded, 26.5°C, June 26, 2001; minimum, 0.2°C, Jan. 18, 2001.
 CALCIUM CONCENTRATION: Maximum daily mean, 25 mg/L, Feb. 3, 4, 1998; minimum daily mean, 15 mg/L, many days.
 CALCIUM LOAD: Maximum daily, 1.50 tons, June 19, 1998; minimum daily, 0.00 tons, Nov. 17, 18, 1997.
 SODIUM CONCENTRATION: Maximum daily mean, 98 mg/L, Feb. 3, 1998; minimum daily mean, 53 mg/L, several days.
 SODIUM LOAD: Maximum daily, 5.45 tons, June 19, 1998; minimum daily, 0.01 tons, Nov. 18, 1997.
 CHLORIDE CONCENTRATION: Maximum daily mean, 180 mg/L, Feb. 3, 4, 1998; minimum daily mean, 96 mg/L, Sept. 29, 30, 1998.
 CHLORIDE LOAD: Maximum daily, 9.91 tons, June 19, 1998; minimum daily, 0.03 tons, Nov. 17, 18, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,940 $\mu\text{S}/\text{cm}$, March 20; minimum, 163 $\mu\text{S}/\text{cm}$, Nov. 26.
 WATER TEMPERATURE: Maximum recorded, 26.5°C, June 26; minimum, 0.2°C, Jan. 18.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

SPECIFIC CONDUCTANCE ($\mu\text{S}/\text{CM}$ AT 25°C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	605	595	601	615	611	613	613	595	606	655	629	640
2	605	596	601	615	608	612	615	602	610	661	640	651
3	604	594	600	615	563	601	617	602	612	672	643	658
4	605	598	601	615	563	599	617	563	603	684	657	669
5	606	594	601	614	562	591	620	547	577	690	668	680
6	601	591	597	616	609	612	624	566	597	700	663	687
7	600	592	596	613	610	612	627	601	619	706	682	696
8	600	584	596	613	608	611	629	593	622	711	687	703
9	598	583	594	613	608	611	629	599	623	726	694	712
10	596	581	592	612	588	602	636	625	630	748	717	732
11	594	572	589	599	592	596	631	596	627	749	688	708
12	593	583	589	599	594	598	628	607	624	782	722	751
13	590	579	587	599	594	598	628	609	623	798	761	782
14	593	582	589	---	---	---	626	613	621	834	770	808
15	599	575	593	---	---	---	624	605	619	899	833	862
16	602	585	596	---	---	---	626	608	621	955	889	924
17	595	588	592	---	---	---	622	602	615	1010	937	970
18	593	583	590	---	---	---	607	584	602	1030	233	956
19	589	578	585	---	---	---	610	592	605	1000	854	984
20	586	578	583	616	584	596	608	591	601	1010	960	998
21	584	574	581	622	578	607	607	593	599	1020	988	1010
22	584	577	581	623	591	614	605	590	597	1040	985	1020
23	583	573	578	638	606	623	611	591	599	1050	1000	1030
24	578	566	576	637	609	627	619	597	609	1060	997	1040
25	580	567	576	644	605	626	619	587	608	1140	1030	1070
26	580	571	577	627	163	532	625	605	616	1160	1090	1130
27	580	569	577	595	550	576	638	617	628	1160	1120	1140
28	582	571	578	604	572	590	643	623	633	1160	1110	1150
29	578	559	573	614	583	594	647	627	638	1280	1140	1210
30	572	562	569	607	580	598	651	626	634	1360	1270	1310
31	614	563	607	---	---	---	652	621	636	1460	1320	1380
MONTH	614	559	589	---	---	---	652	547	615	1460	233	905

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SPECIFIC CONDUCTANCE ($\mu\text{S}/\text{cm}$ AT 25°C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1,520	1,440	1,500	1,530	1,430	1,480	651	614	628	761	742	750
2	1,520	1,430	1,500	1,530	1,460	1,500	618	600	607	765	745	756
3	1,520	1,450	1,500	1,550	1,470	1,520	620	585	604	767	757	762
4	1,540	1,450	1,520	1,560	1,500	1,530	604	572	586	775	761	769
5	1,540	1,490	1,530	1,550	1,480	1,530	617	578	597	792	767	777
6	1,550	1,460	1,510	1,560	1,460	1,530	601	568	585	806	769	786
7	1,570	1,490	1,550	1,570	1,500	1,540	641	578	599	826	794	812
8	1,780	1,550	1,660	1,570	1,470	1,530	634	586	619	806	742	785
9	1,740	1,470	1,620	1,550	1,500	1,520	628	600	617	830	742	790
10	1,540	1,320	1,450	1,550	1,500	1,520	621	610	616	832	815	821
11	1,560	1,430	1,510	1,550	1,490	1,530	666	617	635	832	775	795
12	1,570	1,360	1,450	1,560	1,520	1,540	662	632	641	814	781	800
13	1,440	1,350	1,390	1,560	1,480	1,520	651	634	639	836	812	824
14	1,450	1,370	1,410	1,530	1,450	1,510	655	605	629	822	796	810
15	1,460	1,380	1,430	1,530	1,460	1,500	647	630	639	836	791	821
16	1,470	1,380	1,440	1,520	1,440	1,490	668	640	653	806	784	799
17	1,490	1,400	1,460	1,490	1,390	1,460	669	650	659	784	774	778
18	1,490	1,400	1,450	1,480	1,370	1,450	670	659	664	779	771	775
19	1,480	1,370	1,440	1,460	1,400	1,430	703	666	683	779	770	774
20	1,460	1,400	1,420	1,940	1,390	1,630	699	692	695	779	767	775
21	1,480	1,380	1,430	1,920	1,850	1,900	704	696	700	799	774	785
22	1,470	1,410	1,440	1,900	753	1,270	718	703	709	800	783	794
23	1,470	1,390	1,430	760	676	724	731	714	721	807	777	792
24	1,450	1,360	1,430	711	661	682	732	714	722	800	736	781
25	1,430	1,370	1,410	719	652	679	735	729	732	800	735	761
MONTH	1780	1320	1470	1940	613	1280	748	568	662	836	728	781
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	823	757	796	824	807	819	829	812	821	789	777	783
2	836	806	826	822	812	817	840	822	830	783	776	779
3	817	787	797	822	814	819	836	818	828	782	776	779
4	793	774	782	824	817	820	830	811	821	781	774	777
5	811	775	794	824	809	819	815	808	811	787	775	781
6	793	770	781	829	815	823	820	804	809	783	774	778
7	830	790	815	831	822	826	834	817	827	786	776	780
8	841	799	822	824	818	821	833	816	825	780	770	775
9	824	805	811	829	818	823	821	810	817	786	772	779
10	818	786	798	829	818	825	823	802	811	794	783	788
11	808	771	790	827	816	821	811	798	805	810	789	798
12	798	777	786	828	820	823	802	793	798	791	783	787
13	789	776	784	826	817	821	797	789	793	786	771	779
14	794	773	784	828	819	822	792	782	789	778	771	775
15	803	774	789	830	820	824	790	782	786	784	775	779
16	798	776	788	830	821	825	789	782	785	787	777	782
17	801	772	787	825	816	821	786	782	784	788	778	783
18	800	753	770	825	816	820	786	777	783	791	782	786
19	773	760	768	823	812	817	785	776	782	812	785	797
20	774	741	764	823	808	814	786	777	780	836	812	827
21	761	751	757	820	808	812	782	773	778	839	829	834
22	824	751	780	816	805	810	785	775	780	837	821	829
23	822	815	820	815	806	811	782	774	778	821	810	814
24	822	796	815	817	809	812	783	776	779	819	810	814
25	823	804	813	850	809	825	783	776	779	816	791	804
26	829	811	819	839	813	828	780	774	776	806	790	797
27	827	812	820	826	810	821	781	773	777	795	773	785
28	838	820	828	824	812	819	784	775	780	782	774	778
29	836	821	827	821	803	813	787	775	780	779	772	776
30	829	818	824	816	804	812	787	778	782	777	772	774
31	---	---	---	823	811	816	786	778	782	---	---	---
MONTH	841	741	798	850	803	819	840	773	795	839	770	790

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.9	16.7	16.8	9.7	9.4	9.6	4.3	3.6	4.1	3.6	2.7	3.1
2	17.1	16.5	16.8	9.9	9.3	9.6	3.8	3.0	3.5	3.6	3.1	3.2
3	16.9	16.8	16.9	10.0	9.6	9.8	3.5	3.1	3.3	3.9	3.1	3.4
4	17.2	16.9	17.0	10.2	9.6	9.8	3.5	3.2	3.4	3.8	3.2	3.4
5	17.1	16.9	17.0	10.2	9.6	9.9	3.2	2.9	3.1	4.0	3.2	3.6
6	16.9	16.5	16.7	9.7	9.2	9.4	3.4	2.9	3.2	4.3	3.5	3.9
7	16.7	16.2	16.5	9.7	9.1	9.4	3.4	3.3	3.4	4.3	3.7	4.0
8	16.5	15.9	16.2	9.7	9.2	9.4	3.4	3.3	3.4	4.4	3.8	4.0
9	15.9	14.9	15.3	9.4	9.1	9.3	3.3	3.1	3.2	4.4	3.8	4.1
10	14.9	14.2	14.6	9.4	9.3	9.3	3.1	3.0	3.0	4.3	3.4	3.8
11	14.2	13.7	13.9	9.4	9.2	9.3	3.2	3.0	3.1	4.6	3.8	4.2
12	13.7	13.5	13.6	9.7	9.0	9.4	3.4	3.2	3.3	4.5	3.8	4.1
13	13.6	13.2	13.4	9.4	9.2	9.3	3.6	3.4	3.5	4.5	3.8	4.1
14	13.9	13.5	13.7	---	---	---	3.7	3.6	3.6	4.9	4.1	4.4
15	14.9	13.7	14.1	---	---	---	3.6	3.0	3.3	4.6	4.2	4.4
16	14.8	13.9	14.3	---	---	---	3.3	3.2	3.3	4.9	4.4	4.6
17	13.9	13.6	13.7	---	---	---	4.0	3.2	3.3	4.8	4.4	4.5
18	13.7	13.3	13.5	---	---	---	3.5	3.0	3.2	5.0	.2	4.3
19	13.6	13.1	13.3	---	---	---	3.3	2.9	3.2	4.8	4.5	4.6
20	13.2	12.8	13.0	8.1	5.6	7.0	3.0	2.4	2.6	4.7	4.4	4.6
21	12.9	12.6	12.8	7.3	4.6	5.6	3.0	2.5	2.7	4.7	3.4	4.3
22	13.0	12.6	12.8	6.2	3.6	4.5	3.2	2.8	3.0	5.1	4.1	4.4
23	12.7	12.4	12.5	4.8	2.1	3.2	3.2	2.7	2.9	5.0	4.2	4.5
24	12.4	12.1	12.2	4.0	1.9	2.5	3.1	2.7	2.9	5.1	4.4	4.7
25	12.7	12.1	12.4	3.9	1.3	2.5	2.9	2.0	2.4	5.2	4.5	4.7
26	12.6	12.4	12.5	6.2	1.9	4.0	2.6	2.0	2.2	5.1	4.3	4.6
27	12.7	12.5	12.6	8.5	5.4	6.7	2.7	2.1	2.3	5.3	4.6	4.8
28	12.9	12.1	12.6	8.9	5.3	7.0	2.5	2.0	2.2	5.2	4.5	4.8
29	12.1	10.9	11.4	7.8	4.9	6.1	2.5	2.0	2.2	5.2	4.4	4.8
30	10.9	10.2	10.6	5.6	4.2	4.7	2.8	2.0	2.5	5.2	4.7	5.0
31	10.2	9.6	9.8	---	---	---	3.0	2.6	2.7	5.5	5.0	5.2
MONTH	17.2	9.6	14.0	---	---	---	4.3	2.0	3.0	5.5	.2	4.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.7	5.0	5.2	6.0	5.0	5.3	4.3	4.1	4.2	17.1	13.7	15.1
2	5.6	5.0	5.2	5.8	5.0	5.4	4.4	3.9	4.2	17.7	14.1	15.9
3	5.5	4.9	5.1	6.0	5.2	5.4	4.8	4.2	4.5	18.0	16.7	17.2
4	5.5	4.9	5.2	6.0	5.1	5.4	5.8	4.5	5.0	18.7	16.9	17.8
5	5.6	4.5	5.1	5.5	3.9	5.1	6.1	4.7	5.3	19.1	18.1	18.7
6	5.8	5.0	5.4	5.4	4.1	5.0	6.3	5.4	5.7	18.1	16.9	17.5
7	6.0	5.2	5.4	5.8	5.0	5.3	5.7	4.8	5.3	17.5	15.5	16.5
8	5.8	5.1	5.4	6.7	4.7	5.4	5.3	5.1	5.2	16.4	12.5	14.5
9	5.6	5.0	5.3	6.2	4.6	5.5	8.3	5.1	6.3	13.4	12.3	12.8
10	6.7	3.7	5.2	6.4	5.2	5.5	9.1	7.4	8.2	13.3	12.7	12.9
11	4.9	2.6	3.4	6.5	5.0	5.5	8.5	6.3	7.1	13.6	12.7	13.0
12	5.3	2.5	4.0	6.5	4.9	5.5	7.5	6.4	7.1	13.7	12.6	13.0
13	5.7	4.9	5.2	5.8	5.2	5.4	8.0	7.4	7.6	13.3	12.8	13.0
14	5.5	4.9	5.2	6.4	5.1	5.4	8.9	7.5	8.1	13.5	12.9	13.1
15	5.8	5.1	5.4	6.4	5.1	5.4	9.5	7.9	8.6	15.5	12.8	14.0
16	5.7	5.0	5.2	6.6	5.0	5.5	10.4	8.7	9.5	15.8	14.4	15.1
17	5.7	4.6	5.1	6.5	5.0	5.5	10.7	9.1	9.9	14.6	14.0	14.3
18	5.5	4.5	4.8	6.5	5.0	5.4	10.5	9.1	9.6	14.2	13.8	14.0
19	5.4	4.6	4.9	6.7	5.0	5.5	9.5	8.6	9.0	15.5	13.8	14.4
20	5.6	5.0	5.2	6.6	5.0	5.8	9.4	8.6	8.9	15.2	14.3	14.6
21	5.7	4.6	5.1	6.2	6.0	6.0	9.9	8.9	9.4	14.8	13.1	14.0
22	5.4	4.5	4.8	6.3	5.0	5.7	11.2	9.6	10.3	14.3	13.5	13.9
23	5.7	4.7	5.1	5.5	4.7	5.2	14.7	11.2	12.5	14.2	13.5	13.8
24	5.6	4.5	5.0	6.1	5.1	5.4	12.6	11.2	11.7	16.0	13.6	14.6
25	5.4	4.9	5.2	5.9	4.5	5.3	13.4	12.6	12.9	17.2	15.2	16.0
26	6.2	5.3	5.5	4.8	4.0	4.3	13.8	12.6	13.1	18.1	15.8	16.7
27	6.3	5.1	5.5	4.6	3.8	4.1	15.1	12.9	14.0	17.1	16.3	16.8
28	6.1	5.1	5.3	4.8	4.0	4.3	14.5	13.2	13.8	17.6	15.6	16.4
29	---	---	---	5.0	4.1	4.6	14.5	12.9	13.6	16.9	15.6	16.1
30	---	---	---	4.7	4.0	4.4	14.5	13.1	13.9	17.8	15.9	16.5
31	---	---	---	4.5	4.2	4.4	---	---	---	16.9	15.7	16.3
MONTH	6.7	2.5	5.1	6.7	3.8	5.2	15.1	3.9	8.8	19.1	12.3	15.1

CHARLES RIVER BASIN

01104430 HOBBS BROOK BELOW CAMBRIDGE RESERVOIR NEAR KENDAL GREEN, MA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN									
1	17.5	15.7	16.4	24.5	23.9	24.2	20.6	19.8	20.2	24.1	23.4	23.7
2	16.6	15.7	16.1	24.0	23.2	23.7	20.8	20.0	20.4	23.6	23.2	23.4
3	16.8	16.1	16.5	23.3	22.8	23.0	22.1	20.1	20.7	23.5	23.0	23.2
4	17.4	16.2	16.5	23.0	22.5	22.8	21.1	20.1	20.7	23.2	22.8	23.0
5	17.5	16.3	16.9	23.4	22.5	23.0	21.0	20.4	20.8	23.3	22.6	22.9
6	18.4	17.4	17.8	23.5	22.6	23.1	21.2	20.6	20.9	22.9	22.4	22.6
7	19.8	17.6	18.4	23.3	22.3	22.7	21.6	20.6	21.1	22.5	22.2	22.4
8	20.5	17.7	19.0	22.7	22.3	22.5	21.7	20.7	21.1	22.4	22.1	22.3
9	20.5	18.8	19.7	24.3	22.1	23.2	21.8	20.8	21.3	22.5	22.2	22.4
10	21.1	18.8	19.7	24.0	22.9	23.6	22.5	21.2	21.6	22.7	22.4	22.5
11	20.9	14.7	17.2	24.1	22.7	23.2	22.6	21.5	21.9	23.5	22.6	23.0
12	15.7	15.0	15.3	23.3	22.7	23.0	22.5	21.8	22.1	23.3	22.7	23.0
13	15.8	15.2	15.4	23.1	22.3	22.6	22.2	21.7	22.0	23.0	22.6	22.8
14	15.8	15.2	15.5	23.8	22.2	22.9	22.9	22.1	22.5	22.9	21.9	22.4
15	16.0	15.2	15.6	24.2	22.5	23.4	22.6	21.9	22.2	21.9	21.2	21.5
16	16.2	15.2	15.7	24.8	22.9	23.8	22.6	21.9	22.2	21.5	21.0	21.2
17	16.8	15.4	15.9	23.8	23.1	23.4	22.5	22.1	22.3	21.2	20.6	20.9
18	22.9	15.8	20.2	24.4	22.7	23.5	22.7	22.2	22.4	21.4	20.8	21.0
19	22.8	21.4	22.2	23.9	23.1	23.5	22.9	22.2	22.6	21.8	20.9	21.3
20	23.5	21.8	22.6	24.9	22.9	23.7	23.2	22.4	22.7	21.4	21.0	21.1
21	23.5	22.9	23.2	24.5	22.9	23.5	23.1	22.4	22.8	21.1	20.8	21.0
22	23.3	22.6	22.8	23.6	22.9	23.3	23.3	22.5	22.8	21.1	20.8	20.9
23	23.5	22.5	22.8	24.2	22.9	23.6	23.1	22.7	22.9	21.4	20.8	21.1
24	23.3	22.7	23.0	24.6	23.7	24.1	23.9	22.9	23.4	21.6	21.0	21.1
25	25.8	22.9	24.2	25.4	18.3	22.1	23.6	23.0	23.3	21.3	21.0	21.1
26	26.5	23.5	24.9	19.7	18.1	19.1	23.2	22.9	23.1	21.2	20.8	21.0
27	25.6	23.9	24.8	20.2	19.3	19.6	23.3	22.9	23.1	21.3	20.3	20.5
28	26.3	24.6	25.4	20.2	19.3	19.7	23.5	23.2	23.3	20.5	19.8	20.1
29	25.3	23.9	24.6	20.1	19.5	19.8	23.8	23.1	23.4	19.8	18.9	19.5
30	24.6	23.7	24.1	20.4	19.7	20.0	23.8	23.4	23.6	18.9	17.8	18.3
31	---	---	---	20.5	19.6	20.0	23.6	23.3	23.4	---	---	---
MONTH	26.5	14.7	19.7	25.4	18.1	22.6	23.9	19.8	22.2	24.1	17.8	21.7

CHARLES RIVER BASIN

95

01104455 STONY BROOK, UNNAMED TRIBUTARY 1, NEAR WALTHAM, MA

LOCATION.--Lat 42°22'21", Long 71°16'15", Middlesex County, Hydrologic Unit 01090001, 20 ft downstream of culvert on ramp from southbound lane of State Highway 128 to State Highway 20, 800 ft upstream from mouth, 1.8 mi west of Waltham.

DRAINAGE AREA.--0.48 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: October 1997 to September 1998; October 2000 to current year.

Water-quality records: Water years 1998, 2001.

GAGE.--Water-stage recorder. Elevation of gage is 85 ft above sea level from topographic maps.

REMARKS.--Records good except those for estimated daily discharge, which are fair.

AVERAGE DISCHARGE.--2 years, 0.91 ft³/s, 25.72 in/yr.EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 119 ft³/s, June 17, 2001, gage height, 3.82 ft; minimum, 0.12 ft³/s, Sept. 26, 2001; minimum daily, 0.07 ft³/s, Oct. 1, 1997.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 119 ft³/s, June 17, gage height, 3.82 ft; minimum, 0.12 ft³/s, Sept. 26, 28; minimum daily, 0.13 ft³/s, Sept. 26, 27, 29.

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	0.26	0.27	0.32	0.51	0.68	0.62	3.6	0.59	0.35	1.6	0.29	0.24
2	.26	.27	.31	.46	.54	.59	2.8	.62	2.9	.63	.28	.25
3	.25	.27	.31	.45	.50	.57	2.3	.60	.54	.48	1.7	.25
4	.27	.28	.31	.44	.46	.54	2.0	.56	.35	.45	.29	.59
5	.68	.44	.31	.46	.62	.75	1.7	.53	.30	1.8	.24	.18
6	.86	.29	.32	.74	.85	.88	1.9	.50	.29	.47	.24	.17
7	.25	.29	.31	.45	.67	.68	1.4	.49	.26	.40	.24	.18
8	.25	.30	.32	.47	.59	.66	2.6	.48	.26	.48	.24	.17
9	.25	.31	.32	.63	.98	.95	1.5	.48	.27	.37	.55	.16
10	.26	4.3	.31	.42	1.7	1.0	1.3	.47	.25	.66	.42	.17
11	.26	.74	.32	.40	.89	.91	1.1	.46	.86	.33	.26	.17
12	.26	.35	.40	.38	.82	.92	1.6	.64	.46	.31	2.1	.16
13	.26	.33	.40	.34	.80	3.9	1.1	.41	.26	.30	1.9	.17
14	.26	1.5	.98	.35	1.4	1.7	.98	.41	.24	.46	.25	.80
15	.26	.52	.36	.82	1.1	1.9	.91	.46	.22	.29	.21	.15
16	.48	.37	.64	.48	.97	1.9	.86	.47	.22	.29	.20	.15
17	.27	.36	6.7	.41	.94	1.9	.82	.40	13	.74	.22	.15
18	1.5	.34	1.8	.35	.77	2.2	1.1	.40	1.3	.28	.20	.15
19	.72	.33	1.1	.99	.74	1.9	.77	.40	.73	.28	.19	.16
20	.26	.32	2.4	.46	.79	1.9	.72	.40	2.1	.28	.44	.18
21	.26	.31	1.1	.45	.76	2.7	.69	.40	.78	.28	.43	1.0
22	.26	.31	1.0	.40	.68	e36	.67	1.6	.56	.29	.20	.15
23	.27	.30	.84	.39	.75	e7.4	.64	.49	.60	.30	.20	.15
24	.27	.30	.79	.39	.61	e3.9	.90	1.1	7.5	.33	.20	.15
25	.27	.30	.72	.38	1.2	e3.1	.62	.39	1.6	.36	.20	.36
26	.28	2.2	.63	.37	.91	3.0	.58	.36	1.1	.96	.21	.13
27	.28	.46	.61	.37	.69	2.6	.57	1.5	.86	.26	.24	.13
28	.30	.34	.58	.36	.66	2.0	.54	.47	.74	.26	.20	.14
29	.34	.33	.54	.35	---	1.7	.53	.45	.63	.26	.23	.13
30	.62	.57	.81	1.6	---	11	.52	.39	1.4	.29	.22	.14
31	.90	---	.78	.93	---	6.0	---	.36	---	.28	.23	---
TOTAL	12.17	17.60	26.64	16.00	23.07	105.77	37.32	17.28	40.93	14.77	13.02	7.08
MEAN	.39	.59	.86	.52	.82	3.41	1.24	.56	1.36	.48	.42	.24
MAX	1.5	4.3	6.7	1.6	1.7	36	3.6	1.6	13	1.8	2.1	1.0
MIN	.25	.27	.31	.34	.46	.54	.52	.36	.22	.26	.19	.13
MED	.27	.33	.58	.44	.76	1.9	.95	.47	.58	.33	.24	.16
CFSM	.82	1.22	1.79	1.08	1.72	7.11	2.59	1.16	2.84	.99	.88	.49
IN.	.94	1.36	2.06	1.24	1.79	8.20	2.89	1.34	3.17	1.14	1.01	.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	.50	.88	.58	1.16	1.34	2.20	1.16	1.31	2.28	.65	.44	.24
MAX	.92	1.18	.86	1.51	1.90	3.41	1.24	.56	1.36	.48	.42	.24
(WY)	1999	1998	2001	1999	1998	2001	2001	1998	1998	1998	1998	2001
MIN	.17	.59	.23	.52	.82	1.06	1.07	.56	1.36	.48	.42	.24
(WY)	1998	2001	1999	2001	2001	1999	1998	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2001 WATER YEAR

WATER YEARS 1998 - 2001

ANNUAL TOTAL		331.65								.91		
ANNUAL MEAN		.91										
HIGHEST ANNUAL MEAN										.91		
LOWEST ANNUAL MEAN										.91		
HIGHEST DAILY MEAN												
LOWEST DAILY MEAN												
ANNUAL SEVEN-DAY MINIMUM												
MAXIMUM PEAK FLOW												
MAXIMUM PEAK STAGE												
INSTANTANEOUS LOW FLOW												
ANNUAL RUNOFF (CFSM)												
ANNUAL RUNOFF (INCHES)												
10 PERCENT EXCEEDS												
50 PERCENT EXCEEDS												
90 PERCENT EXCEEDS												

e Estimated

CHARLES RIVER BASIN

01104455 STONY BROOK, UNNAMED TRIBUTARY 1, NEAR WALTHAM, MA--Continued

PERIOD OF RECORD.-- Water year 1998, October 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2000 to current year.

WATER TEMPERATURE: October 2000 to current year.

INSTRUMENTATION.--Specific conductance and temperature water-quality monitor.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 62,400 S/cm, Dec. 14; minimum, 21.0 µS/cm, Oct. 18.

WATER TEMPERATURE: Maximum recorded, 25.1°C, June 24; minimum, 0.7°C, Dec. 14.

SPECIFIC CONDUCTANCE ($\mu\text{S}/\text{CM AT } 25^\circ\text{C}$), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,010	992	1,000	592	400	526	1,480	841	940	1,530	965	1,150
2	1,010	977	1,000	614	592	607	941	899	916	984	905	931
3	1,000	990	996	619	613	616	947	928	940	932	897	903
4	1,070	859	985	619	615	617	953	915	941	897	884	892
5	1,030	72	816	619	165	516	961	936	952	27,500	884	4,530
6	909	38	452	590	165	474	975	954	960	43,200	20,200	32,300
7	993	909	964	612	589	605	964	915	946	20,200	1,770	11,900
8	997	979	987	615	610	613	1,110	920	943	31,400	1,040	3,550
9	999	982	990	617	612	615	1,210	938	1,040	41,800	31,300	37,600
10	997	982	988	617	22	285	960	938	950	36,200	14,000	21,800
11	1,570	959	1,160	610	181	377	7,770	957	6,120	14,000	5,740	11,500
12	1,050	964	977	815	610	731	34,700	1,340	24,000	5,740	1,110	1,690
13	974	963	967	907	721	857	30,200	9,940	18,300	1,110	1,070	1,090
14	967	961	965	943	54	629	62,400	2,750	16,500	1,190	1,060	1,090
15	965	959	964	804	222	613	4,380	1,100	2,670	26,000	1,060	9,850
16	964	126	727	888	778	851	5,950	982	1,900	13,300	1,740	8,100
17	950	382	812	928	888	908	1,470	188	377	1,740	1,210	1,300
18	958	21	791	951	926	939	696	414	623	1,230	1,170	1,190
19	581	28	368	959	951	955	1,750	650	715	24,500	1,150	3,930
20	622	561	604	966	956	961	20,200	862	5,160	6,710	1,260	2,060
21	634	622	629	991	964	970	952	750	832	21,400	1,440	18,800
22	634	626	632	965	950	962	7,870	771	1,850	19,300	10,100	13,900
23	636	627	633	963	955	958	862	803	820	10,100	1,530	5,890
24	638	633	636	956	950	954	805	783	796	2,530	1,230	1,630
25	641	634	637	955	945	950	809	782	792	2,120	1,410	1,540
26	635	631	633	30,100	120	3,690	840	809	823	2,330	1,430	1,510
27	633	627	629	781	537	678	881	819	834	1,630	1,400	1,450
28	630	617	624	859	781	825	846	817	829	1,520	1,360	1,420
29	627	619	622	897	848	876	849	802	830	1,430	1,340	1,360
30	653	566	617	6,030	723	1,800	45,400	826	14,300	10,100	676	2,050
31	642	182	393	---	---	---	19,100	1,530	10,000	2,340	879	1,130
MONTH	1,570	21	781	30,100	22	865	62,400	188	3,830	43,200	676	6710

CHARLES RIVER BASIN

97

01104455 STONY BROOK, UNNAMED TRIBUTARY 1, NEAR WALTHAM, MA--Continued

CHARLES RIVER BASIN

01104455 STONY BROOK, UNNAMED TRIBUTARY 1, NEAR WALTHAM, MA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	13.2	12.8	13.0	12.2	11.2	11.8	11.1	10.3	10.8	8.6	8.0	8.3
2	13.3	12.8	13.1	12.4	12.0	12.2	10.8	9.9	10.4	8.6	8.0	8.3
3	13.3	12.9	13.1	12.7	12.0	12.3	10.5	9.8	10.1	8.7	8.0	8.4
4	14.1	13.0	13.3	12.7	12.0	12.4	10.6	9.8	10.2	9.0	8.2	8.6
5	14.6	13.0	13.4	12.6	9.8	11.9	10.9	9.9	10.4	9.1	7.6	8.5
6	14.2	13.3	13.8	12.0	10.2	11.5	10.9	9.9	10.3	8.2	4.0	6.4
7	13.3	12.9	13.2	12.4	11.6	12.0	10.4	9.8	10.0	8.9	8.2	8.6
8	13.1	12.4	12.8	12.6	12.0	12.2	9.8	9.6	9.7	9.2	6.8	8.7
9	12.8	12.4	12.6	12.5	11.9	12.3	10.0	9.3	9.6	8.3	6.3	7.2
10	12.9	12.2	12.6	12.6	10.0	11.1	10.3	9.2	9.7	8.4	8.1	8.2
11	13.0	12.2	12.7	12.1	11.0	11.6	10.7	10.1	10.5	9.0	8.1	8.5
12	13.0	12.1	12.6	12.5	12.0	12.2	10.9	10.4	10.6	8.9	8.2	8.6
13	13.1	12.2	12.7	12.4	11.9	12.2	10.4	9.8	10.1	8.9	7.8	8.3
14	13.1	12.7	12.9	12.5	10.1	11.7	10.3	.7	7.0	9.3	8.4	8.9
15	13.2	13.0	13.1	11.6	10.7	11.2	9.6	7.9	8.8	9.2	2.5	6.8
16	13.1	10.6	12.4	11.9	11.4	11.7	10.2	5.2	9.0	8.7	7.3	8.0
17	12.8	11.5	12.4	12.4	11.8	12.0	13.6	4.0	8.3	8.9	8.5	8.6
18	13.2	11.3	12.7	11.8	11.2	11.5	7.9	6.7	7.2	8.9	8.1	8.5
19	12.7	11.4	12.3	11.8	11.2	11.6	8.5	6.8	7.9	9.1	3.3	6.9
20	12.9	12.1	12.5	11.6	10.9	11.3	7.3	2.1	5.6	8.1	6.3	7.8
21	13.1	12.6	12.9	11.7	11.1	11.4	8.2	7.3	7.8	8.1	6.0	7.0
22	13.0	12.1	12.7	11.4	11.1	11.3	8.6	8.2	8.4	8.0	6.9	7.5
23	12.8	11.9	12.4	11.2	10.5	10.9	8.3	7.7	8.0	8.2	7.1	7.6
24	12.9	12.1	12.5	10.9	10.2	10.5	8.8	8.1	8.4	8.4	7.5	8.0
25	13.0	12.3	12.7	10.8	10.0	10.4	8.6	7.4	7.9	8.6	7.9	8.3
MONTH	14.6	7.6	12.6	12.7	6.6	11.5	13.6	.7	8.8	9.3	1.8	7.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.3	6.0	6.6	7.4	6.3	6.8	7.2	6.4	6.8	12.5	10.3	11.1
2	7.7	6.7	7.2	7.5	6.6	7.0	8.0	6.7	7.2	12.5	10.5	11.3
3	7.6	6.8	7.1	7.7	7.0	7.3	8.8	6.8	7.7	12.6	10.6	11.4
4	7.6	6.5	7.1	7.9	7.1	7.5	9.7	7.5	8.3	12.5	10.9	11.6
5	7.9	3.1	6.2	7.5	3.5	5.8	10.0	7.6	8.6	11.6	10.9	11.3
6	6.8	4.3	5.5	5.8	2.5	4.9	9.3	8.0	8.6	11.1	10.3	10.7
7	7.2	6.4	6.9	7.0	5.2	6.4	9.7	8.2	8.7	11.0	9.8	10.4
8	7.8	4.9	7.1	7.2	6.5	6.9	8.4	4.9	7.3	11.2	10.1	10.6
9	7.5	4.5	6.2	7.7	2.3	6.3	10.9	8.1	9.2	11.4	10.5	10.8
10	5.9	4.5	5.2	6.5	4.2	5.5	10.8	9.0	9.7	11.3	10.6	10.9
11	6.0	5.0	5.5	7.4	6.2	6.7	10.6	9.0	9.6	11.4	10.8	11.0
12	7.0	5.3	6.0	7.6	6.3	6.8	9.4	8.9	9.2	20.4	10.8	12.5
13	7.4	6.5	7.0	7.0	1.6	4.3	10.5	8.9	9.4	13.5	10.9	11.5
14	7.7	2.8	6.4	6.5	5.2	5.9	10.5	8.6	9.4	11.0	10.5	10.8
15	6.8	5.4	6.3	6.9	5.8	6.3	10.8	8.6	9.5	12.0	10.5	10.8
16	7.3	5.3	6.4	7.8	6.1	6.5	10.6	8.9	9.6	11.6	10.8	11.1
17	7.0	5.6	6.5	8.0	6.1	6.6	10.4	8.9	9.5	10.9	10.7	10.8
18	7.2	5.6	6.3	7.4	4.7	6.1	9.9	8.0	9.0	10.9	10.7	10.8
19	7.7	6.3	6.9	8.2	5.9	6.7	10.5	8.4	9.2	11.1	10.8	10.9
20	7.9	6.9	7.4	8.5	6.1	6.8	11.0	8.6	9.6	11.2	10.8	10.9
21	7.6	6.2	7.1	7.8	4.5	6.6	11.3	9.5	10.3	11.1	10.7	10.9
22	7.1	6.0	6.4	4.9	4.1	4.7	12.3	10.1	11.0	14.2	10.8	12.8
23	7.5	5.2	6.6	6.4	3.8	5.5	12.0	10.4	11.0	12.8	11.6	11.8
24	7.6	6.5	7.0	8.0	5.8	6.7	18.3	10.4	12.1	13.0	11.6	12.2
25	7.2	3.0	5.3	8.3	6.1	7.0	12.6	10.3	10.8	11.8	11.3	11.5
26	6.9	4.7	6.2	8.0	5.7	6.8	11.4	9.7	10.4	11.7	11.1	11.3
27	7.8	6.4	6.9	8.4	5.6	7.0	11.5	9.9	10.5	15.2	11.3	13.3
28	7.2	6.5	6.8	9.1	6.8	7.6	11.0	9.8	10.4	12.8	12.0	12.3
29	---	---	---	8.9	7.2	7.9	11.0	9.5	10.1	14.6	11.5	11.8
30	---	---	---	8.1	1.2	3.8	11.1	9.6	10.3	14.4	11.1	11.9
31	---	---	---	7.2	4.6	6.2	---	---	---	11.2	10.9	11.0
MONTH	7.9	2.8	6.5	9.1	1.2	6.4	18.3	4.9	9.4	20.4	9.8	11.4

CHARLES RIVER BASIN

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01104455 STONY BROOK, UNNAMED TRIBUTARY 1, NEAR WALTHAM, MA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

CHARLES RIVER BASIN

01104480 STONY BROOK RESERVOIR AT DAM NEAR WALTHAM, MA

LOCATION.--Lat 42°21'20", Long 71°15'56", Middlesex County, Hydrologic Unit 01090001, 10 ft upstream from bridge on River Road, 300 ft downstream from gate house outlet for Stony Brook Reservoir, and 2.0 mi southwest of Waltham.

DRAINAGE AREA.--23.7 mi²

PERIOD OF RECORD.--Discharge: October 1999 to current year.

Water-quality records (Stony Brook Reservoir): Water year 2000.

GAGE.--Water-stage recorder located about 300 ft downstream from Stony Brook Dam. Elevation of gage is 43 ft above sea level from topographic maps.

REMARKS.--Records poor. Flow affected by regulation of dam, 300 ft upstream at outflow of Stony Brook Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 479 ft³/s, Mar. 23, 2001, gage height, 5.27 ft; minimum, no flow, many days throughout the period of record (controlled shutdown); minimum daily, no flow, Jan. 22-29, 2001.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 479 ft³/s, Mar. 23, gage height, 5.27 ft; minimum, no flow, many days throughout the water year (controlled shutdown); minimum daily, no flow, Jan. 22-29.

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	46	49	52	14	0.03	24	223	1.1	0.76	1.4	0.30	0.17
2	45	49	52	15	.02	18	175	e2.0	.59	14	.21	.16
3	44	49	49	17	.03	16	119	.04	.29	12	.31	.15
4	43	33	50	15	.02	14	120	.05	.33	4.0	.32	.34
5	44	29	46	11	.02	16	121	.05	.36	1.3	.24	.57
6	54	33	45	11	.04	23	120	.07	.43	5.5	.20	.57
7	46	43	44	11	.03	20	121	.05	.72	3.4	.16	.62
8	44	45	44	11	.03	17	119	.05	.88	.29	.18	.62
9	42	44	44	11	.03	19	119	.05	.92	.07	.15	.66
10	40	63	42	11	.05	24	120	.06	.87	.20	.31	.61
11	43	93	46	10	.05	24	119	.08	.93	.08	.27	.78
12	43	68	48	11	.04	26	117	.28	1.0	.09	.31	.77
13	42	58	45	9.5	.05	45	114	.13	.43	.09	.21	.77
14	41	28	46	9.4	.05	57	112	.13	.04	.12	.15	1.1
15	41	37	47	15	.06	54	108	.15	.05	.10	.19	.76
16	42	25	44	17	.05	103	59	.13	.06	.09	.17	.85
17	43	19	72	14	.06	181	36	.13	.52	.07	.18	.86
18	41	16	120	11	.05	168	38	.12	.07	.08	.27	.90
19	57	13	113	4.0	.05	305	22	.31	.07	.08	.28	.87
20	49	14	97	.02	.05	19	39	.26	.26	.08	.29	.78
21	45	12	60	.01	9.1	46	34	.20	.09	.09	.36	.98
22	45	9.8	44	.00	17	91	38	.15	.57	.11	.24	.83
23	43	9.0	31	.00	19	320	28	.13	1.4	.14	.21	.89
24	42	7.7	25	.00	18	305	22	.19	6.9	.13	.28	.76
25	43	6.8	23	.00	17	248	23	.19	46	.24	.17	.87
26	49	10	21	.00	22	195	23	.15	43	.40	.14	1.0
27	46	32	18	.00	23	159	22	.17	23	.39	.17	.84
28	47	22	16	.00	23	207	23	.24	12	.30	.21	1.0
29	45	26	14	.00	---	240	8.4	.32	5.1	.34	.32	1.0
30	46	25	14	.01	---	222	.98	.51	1.3	.35	.23	.94
31	56	---	17	.03	---	223	---	.60	---	.28	.11	---
TOTAL	1397	968.3	1429	227.97	148.91	3177	2360.38	8.09	148.94	45.81	7.14	22.02
MEAN	45.1	32.3	46.1	7.35	5.32	102	78.7	.26	4.96	1.48	.23	.73
MAX	57	93	120	17	23	320	223	2.0	46	14	.36	1.1
MIN	40	6.8	14	.00	.02	14	.98	.04	.04	.07	.11	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	32.5	25.9	36.1	19.5	26.7	86.4	83.6	28.4	14.8	5.73	7.26	14.8
MAX	45.1	32.3	46.1	31.7	47.3	102	88.6	56.6	24.6	9.98	14.3	22.7
(WY)	2001	2001	2001	2000	2000	2001	2000	2000	2000	2000	2000	2000
MIN	19.9	19.6	26.1	7.35	5.32	70.3	78.7	.26	4.96	1.48	.23	.73
(WY)	2000	2000	2001	2001	2000	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1999 - 2001
ANNUAL TOTAL	14912.7	9940.56	
ANNUAL MEAN	40.7	27.2	
HIGHEST ANNUAL MEAN			31.6
LOWEST ANNUAL MEAN			35.9
HIGHEST DAILY MEAN	143	Apr 25	2000
LOWEST DAILY MEAN	1.1	Aug 19	2001
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 8	27.2
MAXIMUM PEAK FLOW			320
MAXIMUM PEAK STAGE			Mar 23 2001
INSTANTANEOUS LOW FLOW			Mar 23 2001
10 PERCENT EXCEEDS	79	59	5.27
50 PERCENT EXCEEDS	40	7.7	Mar 23 2001
90 PERCENT EXCEEDS	5.8	.05	.00 Aug 18 2000

e Estimated

CHARLES RIVER BASIN

101

01104500 CHARLES RIVER AT WALTHAM, MA

LOCATION.--Lat 42°22'20", long 71°14'03", Middlesex County, Hydrologic Unit 01090001, on right bank 800 ft downstream from Moody Street Bridge in Waltham and 0.3 mi upstream from Beaver Brook.

DRAINAGE AREA.--227 mi², excludes 23.6 mi² drained by Stony Brook, from which flow is diverted for municipal supply of Cambridge.

PERIOD OF RECORD.--Discharge: October 1903 to October 1909 (figures of average weekly discharge, equivalent to records of unadjusted discharge at present site), August 1931 to current year.

Water-quality records: Water years 1953, 1959, 1968-70.

REVISED RECORDS.--WSP 781: 1933(M). WSP 851: Drainage area. WSP 971: 1942.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 20.02 ft above sea level. Prior to July 10, 1904, at dam 700 ft upstream and July 10, 1904, to Oct. 2, 1909, at dam 0.7 mi downstream at different datums; discharge computed from flow over dam and through wheels and gates of Boston Manufacturing Co. and Waltham Bleachery, respectively.

REMARKS.--Records good. Flow affected by diversion to Mother Brook (station 01104000), diversions to and from basin for municipal supplies, and at times by water released from Stony Brook Reservoir. Prior to 1960, some regulation by mills upstream. Low flow completely regulated by Boston Edison Co. powerplant prior to 1954. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.-- 70 years (water years 1932-2001), 311 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,150 ft³/s, Feb. 3, 1976, gage height, 6.54 ft, caused by release of water stored behind ice jam upstream; minimum, 0.1 ft³/s, Oct. 1, 12, 1943; minimum daily, 0.2 ft³/s, Oct. 4, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since 1886, that of Feb. 3, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,190 ft³/s, Mar. 23, gage height, 5.42 ft; minimum, 35 ft³/s, Sept. 20, 21; minimum daily, 36 ft³/s, Sept. 20.

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	126	178	303	300	195	362	1800	324	209	415	71	81
2	121	179	292	275	217	354	1680	271	273	430	67	79
3	110	189	273	256	222	338	1560	203	286	381	71	77
4	87	182	254	231	224	322	1520	216	261	393	155	77
5	109	172	221	207	230	322	1450	184	246	420	126	72
6	164	169	191	217	239	302	1370	185	256	427	95	51
7	151	166	199	209	238	302	1280	176	259	391	71	48
8	134	153	188	206	241	311	1230	158	247	366	66	44
9	125	121	178	213	249	344	1140	157	216	316	59	43
10	121	265	166	203	310	370	1070	153	193	265	63	45
11	116	396	169	198	321	379	998	143	170	289	68	45
12	113	371	173	198	311	384	959	131	184	268	132	45
13	110	361	168	188	308	514	907	128	203	248	157	41
14	105	360	197	187	323	584	844	120	217	226	167	42
15	100	394	212	199	344	577	797	107	207	237	176	47
16	96	357	212	211	341	650	732	115	179	217	171	49
17	76	337	461	207	344	794	667	111	440	196	169	48
18	93	317	700	201	328	835	638	115	689	181	200	41
19	213	297	665	214	327	772	613	108	647	158	191	38
20	192	273	674	227	323	732	584	112	648	155	178	36
21	190	249	645	211	330	776	555	107	683	151	172	41
22	189	195	628	216	332	1720	537	121	698	144	156	67
23	187	140	584	222	334	2080	508	139	701	125	146	73
24	178	149	542	221	319	1970	479	160	701	98	133	63
25	165	140	507	217	323	1840	442	175	671	101	117	53
26	146	181	408	209	344	1790	421	187	568	106	105	59
27	113	255	401	201	351	1730	398	235	437	94	88	53
28	122	256	392	191	357	1690	389	246	384	96	62	58
29	124	266	356	183	---	1660	369	250	316	96	67	61
30	134	283	336	205	---	1810	341	256	308	88	62	60
31	181	---	347	214	---	1910	239	---	71	77	---	---
TOTAL	4191	7351	11042	6637	8325	28524	26278	5332	11497	7149	3638	1637
MEAN	135	245	356	214	297	920	876	172	383	231	117	54.6
MAX	213	396	700	300	357	2080	1800	324	701	430	200	81
MIN	76	121	166	183	195	302	341	107	170	71	59	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

MEAN	156	254	340	369	412	627	610	363	244	132	117	115
MAX	727	1031	991	1173	946	1398	1446	798	1346	915	873	616
(WY)	1997	1956	1997	1979	1970	1983	1987	1954	1982	1938	1955	1954
MIN	24.5	38.7	62.7	58.4	111	236	181	135	56.5	26.7	14.6	19.6
(WY)	1942	1932	1966	1981	1980	1985	1985	1932	1932	1949	1949	1957

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1931 - 2001

ANNUAL TOTAL	123568		121601									
ANNUAL MEAN	338		333									
HIGHEST ANNUAL MEAN										558		1984
LOWEST ANNUAL MEAN										129		1966
HIGHEST DAILY MEAN	1080	Apr 27		2080	Mar 23					2940	Jan 26	1979
LOWEST DAILY MEAN	24	Sep 13		36	Sep 20					.20	Oct 4	1943
ANNUAL SEVEN-DAY MINIMUM	26	Sep 8		43	Sep 15					1.6	Sep 30	1943
MAXIMUM PEAK FLOW				2190	Mar 23					4150	Feb 3	1976
MAXIMUM PEAK STAGE				5.42	Mar 23					6.54	Feb 3	1976
INSTANTANEOUS LOW FLOW										.10	Oct 1	1943
10 PERCENT EXCEEDS	680			685						681		
50 PERCENT EXCEEDS	256			214						223		
90 PERCENT EXCEEDS	82			72						44		

CHARLES RIVER BASIN

01104615 CHARLES RIVER ABOVE WATERTOWN DAM AT WATERTOWN, MA

PERIOD OF RECORD.--October 1998 to September 2001.

Discharge records: August 1999 to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

DISCHARGE: August 1999 to September 2000 (discontinued).

SPECIFIC CONDUCTANCE: August 1999 to September 2000 (discontinued).

WATER TEMPERATURE: August 1999 to September 2000 (discontinued).

INSTRUMENTATION.--Specific conductance and temperature water-quality monitor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum discharge, 1,370 ft³/s, Sept. 10, 1999, gage height, 5.48 ft; minimum 14 ft³/s, Sept. 7, 1999.

SPECIFIC CONDUCTANCE: Maximum recorded, 1200 us/cm, Jan. 31, 2000; minimum, 167 us/cm, June 6, 2000.

WATER TEMPERATURE: Maximum recorded, 26.0 °C, Aug. 19, 1999; minimum, -0.2 °C, Dec. 28, 1999.

REMARKS.--Instantaneous discharge estimated from Charles River at Waltham, MA gage, 01104500.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

			DIS- CHARGE, INST. CUBIC FEET	BARO- METRIC PRES- SURE	PH WATER WHOLE FIELD	SPE- CIFIC CON- DUCT-	TEMPE- RANCE DUCT-	TEMPE- RATURE ATURE	TEMPE- RATURE ATURE	CALCIUM DIS- SOLVED	MAGNE- SIUM, DIS- SOLVED	POTAS- SIUM, DIS- SOLVED	
DATE	TIME		PER OF SECOND	(MM HG)	DIS- SOLVED (MG/L)	(STAND- ARD UNITS)	(00400)	(US/CM) (00095)	(DEG C) (00020)	(DEG C) (00010)	(MG/L AS CA) (00915)	(MG/L AS MG) (00925)	(MG/L AS K) (00935)
			(00061)	(00025)	(00300)								
OCT													
03...	1015	E224	754	9.6	7.4	453	19.0	15.3	20.2	3.98	4.68		
NOV													
14...	1000	E487	759	10.1	7.0	332	12.4	9.5	16.2	3.45	3.77		
DEC													
13...	0915	E288	776	12.7	7.2	433	-5.6	.1	19.0	4.00	3.18		
JAN													
17...	1100	E339	762	14.5	7.2	877	4.9	.5	20.5	5.20	3.82		
FEB													
12...	1030	E442	778	14.3	7.1	642	-6.6	.1	18.3	4.01	3.19		
MAR													
19...	1045	E924	765	13.2	7.0	506	8.7	3.7	16.3	3.32	2.28		
APR													
05...	1030	E1,590	768	12.9	7.0	303	10.4	6.6	11.3	2.44	1.88		
MAY													
29...	1015	E389	755	9.5	7.2	446	16.5	18.5	20.1	4.30	3.20		
JUN													
18...	0900	E849	762	7.1	7.1	259	23.2	23.1	12.5	2.61	2.29		
JUL													
16...	1000	E364	761	7.5	7.1	347	26.6	23.3	15.6	3.41	2.46		
AUG													
06...	0900	E201	763	5.4	6.9	431	27.8	25.1	16.5	3.28	3.22		
SEP													
06...	0945	E122	765	5.2	6.9	424	16.5	20.0	20.5	4.63	3.78		

CHARLES RIVER BASIN

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01104615 CHARLES RIVER ABOVE WATERTOWN DAM AT WATERTOWN, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS (00453)	CHLO- RIDE, DIS- SOLVED FIELD MG/L AS (00940)	FLUO- RIDE, DIS- SOLVED SOLVED (MG/L) (00950)	SILICA, DIS- SOLVED (MG/L) (00955)	SOLID, RESIDUE AT 180 SULFATE DIS- DEG. C SOLVED (MG/L) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) (00623)	NITRO- GEN, AM- MONIA + ORGANIC (MG/L) (00625)

OCT 03...	53.7	36	44	99.4	0.1	3.3	17.6	242	0.020	0.30	0.51
NOV 14...	37.6	30	36	67.4	E.1	7.1	14.8	188	.071	.46	.60
DEC 13...	49.3	31	38	94.3	<.2	8.4	16.3	238	.103	.42	.53
JAN 17...	125	32	39	216	<.2	10.7	20.8	449	.235	.48	.38
FEB 12...	89.5	28	34	151	E.1	9.1	15.1	328	.122	.35	.47
MAR 19...	65.6	21	25	122	<.2	7.0	12.7	290	E.037	.25	.41
APR 05...	40.1	15	18	69.5	<.2	5.2	10.1	163	<.041	.27	.41
MAY 29...	53.8	38	47	95.1	E.1	4.1	12.8	250	.111	.47	.74
JUN 18...	31.6	23	28	58.0	<.2	4.1	7.5	159	.095	.54	.76
JUL 16...	41.1	27	33	75.8	E.1	7.2	9.3	199	E.028	.44	.52
AUG 06...	38.2	36	43	64.9	E.1	10.6	16.1	196	.052	.48	.56
SEP 06...	52.3	38	47	98.6	E.1	3.6	14.7	250	.054	.40	.53

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L) (00665)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L) (00681)	IRON, DIS- SOLVED TOTAL (MG/L) (00689)	MANGA- NESE, DIS- SOLVED (UG/L) (01046)	SED. SUSP. SIEVE DIAM. % FINE SUS- PENDED (UG/L) (01056)	SEDIMENT, SUSPENDED (MG/L) (70331)	
OCT 03...	0.337	<0.010	0.010	<0.010	0.043	4.8	0.5	120	47.2	69	4
NOV 14...	.653	.011	.015	E.010	.046	7.3	1.0	190	53.5	75	7
DEC 13...	.828	.008	.015	<.018	.037	6.3	.4	190	71.3	79	5
JAN 17...	1.27	.015	.055	.044	.085	--	--	220	129	67	3
FEB 12...	1.09	.011	.030	.023	.058	--	--	210	136	77	4
MAR 19...	.778	.006	.013	E.009	.038	--	--	170	132	79	5
APR 05...	.532	E.004	.009	<.018	.027	--	--	110	43.5	80	5
MAY 29...	.528	.014	.022	<.020	.068	--	--	200	106	90	8
JUN 18...	.315	.011	.045	.024	.114	--	--	310	74.8	91	13
JUL 16...	.343	.008	.041	.024	.071	--	--	540	67.4	92	4
AUG 06...	.212	.012	.032	<.020	.058	--	--	330	335	77	5
SEP 06...	.196	.007	.030	E.012	.046	--	--	140	83.6	88	3

< Less than
E Estimated value

NEPONSET RIVER BASIN

01105000 NEPONSET RIVER AT NORWOOD, MA
(National Water Quality Assessment Site)

LOCATION.--Lat 42°10'39", long 71°12'05", Norfolk County, Hydrologic Unit 01090001, on left bank 200 ft upstream from Pleasant Street Bridge, 200 ft downstream from railroad bridge, 0.45 mi downstream from Hawes Brook, and 0.5 mi south of Norwood.

DRAINAGE AREA.--34.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: October 1939 to current year. October 1939 monthly discharge only, published in WSP 1301.

Water-quality records: Water years 1958-59, 1966-68, 1999.

REVISED RECORDS.--WDR MA-RI-78-1: 1976(M). WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 44.04 ft above sea level. Since Oct. 1, 1960, recording orifice at upstream side of railroad bridge, at same datum.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Flow regulated by mills and reservoirs upstream. Flow affected by several diversions upstream for municipal and industrial use. Telephone and satellite gage-height telemeters at station.

AVERAGE DISCHARGE.--61 years, 56.1 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,490 ft³/s, Aug. 19, 1955, gage height, 14.65 ft, from floodmarks; minimum daily, 1.4 ft³/s, Oct. 20, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since 1886, that of Aug. 19, 1955. Flood of July 24, 1938, reached a stage of 11.05 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 735 ft³/s, June 17, gage height, 9.46 ft, minimum daily, 2.0 ft³/s, Aug. 7.

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	15	29	39	46	54	59	401	49	30	267	7.9	8.6
2	10	24	34	41	51	53	317	45	74	204	7.3	7.9
3	12	19	29	37	47	48	262	43	89	128	6.8	7.1
4	12	16	26	35	39	45	237	41	77	93	8.0	6.8
5	11	16	24	35	41	49	210	38	56	88	7.6	6.4
6	12	16	22	38	52	69	195	35	44	83	17	6.3
7	11	15	20	37	49	64	192	32	36	72	2.0	7.4
8	9.9	14	19	35	45	58	203	30	30	56	4.2	7.4
9	8.9	13	18	36	46	60	200	29	27	53	5.4	7.0
10	10	59	17	35	75	69	185	27	24	58	12	5.4
11	7.9	86	18	32	74	73	163	26	22	63	12	4.5
12	5.9	75	20	31	66	76	165	25	63	59	29	4.2
13	7.9	57	20	e30	57	131	e154	23	45	42	59	4.1
14	6.3	56	31	29	55	140	e142	21	36	42	70	8.2
15	5.3	68	36	33	64	138	e130	20	29	38	53	12
16	6.9	58	31	37	66	146	e120	22	25	27	22	12
17	7.7	47	166	35	67	157	e105	22	263	28	19	9.7
18	13	39	259	33	61	165	96	22	393	36	18	8.8
19	35	35	194	42	54	168	107	22	258	33	14	8.1
20	28	28	163	54	52	163	98	21	163	21	19	9.9
21	20	28	131	50	59	180	93	20	116	18	18	17
22	15	28	110	e46	55	351	88	26	92	16	15	25
23	14	24	94	e42	52	319	81	31	92	14	13	21
24	12	21	69	37	48	381	76	74	66	11	11	18
25	10	18	67	34	50	373	67	70	65	11	9.8	21
26	9.8	40	57	32	72	313	65	58	56	13	8.7	15
27	10	66	52	30	74	277	59	48	45	12	11	15
28	11	56	42	29	67	252	57	48	35	11	15	13
29	11	49	43	27	---	237	53	45	32	10	13	11
30	12	42	45	38	---	360	50	44	63	8.7	10	9.8
31	30	---	51	52	---	428	---	36	---	8.2	9.2	---
TOTAL	390.5	1142	1947	1148	1592	5402	4371	1093	2446	1623.9	526.9	317.6
MEAN	12.6	38.1	62.8	37.0	56.9	174	146	35.3	81.5	52.4	17.0	10.6
MAX	35	86	259	54	75	428	401	74	393	267	70	25
MIN	5.3	13	17	27	39	45	50	20	22	8.2	2.0	4.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	46.6	62.5	70.4	78.8	113	103	63.5	42.9	21.6	23.4	21.4	
MAX	135	188	187	224	188	236	284	147	236	79.3	226	87.7
(WY)	1997	1956	1987	1979	1970	1983	1987	1998	1998	1959	1955	1954
MIN	5.14	5.88	7.78	5.35	13.4	45.3	31.8	21.2	8.71	5.44	4.30	5.85
(WY)	1998	1966	1966	1981	1980	1985	1966	1986	1981	1997	1981	1997

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
ANNUAL TOTAL	20365.3	21999.9	
ANNUAL MEAN	55.6	60.3	
HIGHEST ANNUAL MEAN			56.1
LOWEST ANNUAL MEAN			106
HIGHEST DAILY MEAN	320	Mar 31	21.7
LOWEST DAILY MEAN	4.1	Aug 7	1.4
ANNUAL SEVEN-DAY MINIMUM	5.1	Sep 7	2.2
MAXIMUM PEAK FLOW		Jun 17	1490
MAXIMUM PEAK STAGE		Jun 17	14.65
INSTANTANEOUS LOW FLOW		Aug 8	Aug 19 1955
10 PERCENT EXCEEDS	121	159	125
50 PERCENT EXCEEDS	37	36	37
90 PERCENT EXCEEDS	11	9.5	8.9

e Estimated

NEPONSET RIVER BASIN

01105500 EAST BRANCH NEPONSET RIVER AT CANTON, MA

LOCATION.--Lat 42°09'16", long 71°08'47", Norfolk County, Hydrologic Unit 01090001, on right bank 100 ft downstream from Washington Street Bridge at Canton, 200 ft downstream from Forge Pond Dam, and 900 ft downstream from Massapoag Brook.

DRAINAGE AREA.--27.2 mi².

PERIOD OF RECORD.--Discharge: October 1952 to current year.
Water-quality records: Water years 1959, 1967-68, 2000.

REVISED RECORDS.--WSP 1901: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 80.18 ft above sea level (Massachusetts Department of Public Works benchmark).

REMARKS.--Records good. Flow regulated by Forge, Bolivar, Massapoag, and Reservoir Ponds, and other ponds upstream. Flow affected by diversions for municipal supply of Canton and Stoughton. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--49 years, 51.7 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft³/s, Aug. 19, 1955, gage height, 8.18 ft, from rating curve extended above 690 ft³/s; minimum daily, 0.60 ft³/s, July 7, Sept. 1, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 686 ft³/s, Mar. 22, gage height, 4.72 ft; minimum daily, 5.8 ft³/s, Sept. 21.

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	9.9	45	34	56	55	39	315	24	20	241	10	13
2	9.2	32	30	48	48	34	253	30	48	148	9.5	12
3	8.7	24	27	43	42	33	223	30	75	77	8.9	10
4	8.1	18	25	41	37	32	207	29	46	58	8.9	9.3
5	8.3	19	23	38	37	35	171	27	32	61	9.1	9.3
6	14	26	23	41	49	61	145	25	26	69	9.7	9.0
7	14	25	18	41	55	66	147	24	24	59	9.0	8.2
8	11	22	19	38	48	69	152	23	22	51	8.2	7.9
9	9.8	20	18	38	46	70	155	23	19	40	8.1	7.5
10	9.0	43	17	37	81	74	148	23	17	35	11	7.5
11	8.3	85	18	34	78	76	151	22	16	43	31	7.0
12	7.5	66	21	33	56	75	143	21	38	38	26	6.6
13	7.5	43	20	30	49	119	143	20	31	31	77	6.0
14	7.5	47	30	30	50	163	124	18	24	26	67	6.3
15	7.5	62	41	33	59	133	110	17	21	25	31	7.6
16	7.4	44	29	36	58	131	100	17	19	22	20	8.1
17	9.6	35	109	31	62	133	92	19	54	20	16	7.1
18	12	31	272	28	56	140	93	19	176	23	16	6.6
19	42	29	152	35	49	135	92	19	98	22	13	6.8
20	35	27	130	58	48	131	82	17	58	19	16	6.0
21	25	25	115	45	54	132	76	16	41	16	19	5.8
22	21	24	106	40	49	503	62	23	34	15	18	142
23	17	22	103	35	45	495	46	41	50	14	16	99
24	15	20	95	33	44	322	40	80	46	15	13	38
25	14	18	86	32	45	260	43	105	38	13	11	30
26	13	34	74	31	76	231	41	39	31	12	9.6	44
27	13	77	66	30	68	222	40	30	28	14	13	29
28	13	52	61	29	56	208	38	28	24	15	26	20
29	11	37	55	28	---	203	35	28	23	12	19	14
30	11	34	54	37	---	346	33	30	37	11	17	12
31	36	---	63	64	---	490	---	24	---	10	13	---
TOTAL	435.3	1086	1934	1173	1500	5161	3500	891	1216	1255	580.0	595.6
MEAN	14.0	36.2	62.4	37.8	53.6	166	117	28.7	40.5	40.5	18.7	19.9
MAX	42	85	272	64	81	503	315	105	176	241	77	142
MIN	7.4	18	17	28	37	32	33	16	16	10	8.1	5.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001, BY WATER YEAR (WY)

MEAN	30.7	47.4	63.9	68.8	73.2	96.2	88.3	53.6	37.1	19.3	21.5	21.8
MAX	127	161	159	177	132	177	210	142	186	70.5	203	76.5
(WY)	1997	1956	1993	1979	1970	1968	1987	1954	1998	1998	1955	1999
MIN	6.42	8.35	9.78	10.6	20.1	40.8	20.7	20.2	8.62	4.46	3.64	4.39
(WY)	1966	1966	1966	1980	1985	1966	1966	1965	1964	1965	1957	1997

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR				FOR 2001 WATER YEAR				WATER YEARS 1953 - 2001			
	ANNUAL TOTAL	18074.4			19326.9	53.0			51.7	79.4	18.6	1998
ANNUAL MEAN		49.4										
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN		305	Apr 22		503	Mar 22			1360	Aug 19	1955	
LOWEST DAILY MEAN			7.0	Sep 14		5.8	Sep 21		.60	Jul 7	1957	
ANNUAL SEVEN-DAY MINIMUM			7.8	Oct 10		6.9	Sep 15		2.5	Sep 7	1993	
MAXIMUM PEAK FLOW						686	Mar 22		1790	Aug 19	1955	
MAXIMUM PEAK STAGE							4.72	Mar 22		8.18	Aug 19	1955
INSTANTANEOUS LOW FLOW							5.3	Sep 21				
10 PERCENT EXCEEDS		103				131				111		
50 PERCENT EXCEEDS		35				32				37		
90 PERCENT EXCEEDS		11				9.6				8.0		

NEPONSET RIVER BASIN

107

011055566 NEPONSET RIVER AT MILTON VILLAGE, MA

LOCATION.--Lat $42^{\circ}16'15''$, long $71^{\circ}04'08''$, Norfolk County, Hydrologic Unit 01090001, 100 ft upstream from bridge on Adams Street, at Milton Village.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--November 1996 to current year.

GAGE.--Water stage recorder. Elevation of gage is 20 ft below sea level, from topographic map.

REMARKS.--Records good except those below 40 ft³/s, which are fair, and those for estimated daily discharge, which are poor. Record on most days is adjusted for tidal backwater, which lasts as much as 4 hours during times of high tide. Flow regulated by mills and reservoirs upstream. Flow affected by diversion from Charles River basin to Neponset River basin by Mother Brook (station 01104000) through Dedham and Hyde Park and by diversions to and from basin for municipal supplies. Telephone and satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--4 years (water years 1998–2001), 303 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,720 ft³/s, June 18, 1998, gage height, 36.93 ft; minimum, 4.8 ft³/s, Oct. 24, 1997, minimum daily, 10 ft³/s, Oct. 23, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,250 ft³/s, Mar. 30, gage height, 36.48 ft; minimum discharge, 9.5 ft³/s, Sept. 17, minimum daily, 18 ft³/s, Sept. 13.

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	62	126	196	242	261	258	2010	152	156	498	33	40
2	58	115	172	207	258	225	1950	124	235	563	38	37
3	43	100	148	189	240	199	1840	161	331	573	44	34
4	53	86	128	167	216	179	1700	165	294	518	78	33
5	51	82	115	163	203	181	1560	170	263	465	51	30
6	74	79	119	170	227	224	1440	155	221	414	42	31
7	70	81	116	169	255	256	1330	123	186	333	40	23
8	61	75	104	159	236	278	1260	126	165	264	32	29
9	54	64	98	156	234	282	1170	124	139	203	24	28
10	38	185	94	151	330	308	1080	113	110	225	38	27
11	49	333	90	142	377	309	1010	109	83	258	71	19
12	36	336	94	139	337	310	983	106	233	222	121	23
13	42	296	97	129	302	427	948	100	208	171	150	18
14	44	267	129	127	286	508	878	91	159	170	211	33
15	42	e317	153	142	308	550	792	87	113	162	184	35
16	37	e290	144	157	316	591	719	88	113	116	115	32
17	50	231	402	150	320	629	650	90	273	120	88	23
18	48	192	705	139	306	664	610	77	753	113	125	28
19	144	162	710	163	273	690	558	86	780	106	87	20
20	120	131	750	219	253	701	507	83	766	94	81	26
21	103	123	715	210	267	712	460	67	705	77	81	28
22	84	110	675	203	261	1610	421	108	644	64	66	101
23	65	117	615	186	243	1910	378	136	584	51	50	161
24	65	111	548	159	222	2010	334	194	487	54	48	110
25	59	102	481	149	212	2040	297	269	390	51	42	89
26	48	157	446	140	271	1960	267	258	291	48	39	82
27	53	263	392	135	300	1860	220	227	279	61	37	76
28	56	270	303	128	289	1730	199	204	217	52	70	56
29	55	237	259	121	---	1600	178	188	190	47	50	49
30	46	213	251	144	---	1830	163	190	192	33	47	41
31	121	---	270	222	---	2000	---	156	---	40	44	---
TOTAL	1931	5251	9519	5077	7603	27031	25912	4327	9560	6166	2227	1362
MEAN	62.3	175	307	164	272	872	864	140	319	199	71.8	45.4
MAX	144	336	750	242	377	2040	2010	269	780	573	211	161
MIN	36	64	90	121	203	179	163	67	83	33	24	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 – 2001, BY WATER YEAR (WY)

MEAN	122	161	300	366	445	658	626	349	370	166	74.3	96.6
MAX	244	274	860	577	611	872	1002	783	1046	443	161	271
(WY)	1999	1997	1997	1999	1999	2001	1997	1998	1998	1998	1998	1999
MIN	20.9	96.6	85.0	164	272	437	207	140	39.6	29.2	24.9	19.3
(WY)	1998	1999	1999	2001	2001	2000	1999	2001	1999	1997	1999	1997

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1997 – 2001
ANNUAL TOTAL	93639	105966	
ANNUAL MEAN	256	290	
HIGHEST ANNUAL MEAN			426 1998
LOWEST ANNUAL MEAN			248 2000
HIGHEST DAILY MEAN	1120	Apr 26	2510 Jun 19 1998
LOWEST DAILY MEAN	36	Oct 12	10 Oct 23 1997
ANNUAL SEVEN-DAY MINIMUM	41	Oct 10	12 Oct 18 1997
MAXIMUM PEAK FLOW		2250 Mar 30	2720 Jun 18 1998
MAXIMUM PEAK STAGE		36.48 Mar 30	36.93 Jun 18 1998
INSTANTANEOUS LOW FLOW		9.5 Sep 17	4.8 Oct 24 1997
10 PERCENT EXCEEDS	550	694	781
50 PERCENT EXCEEDS	170	161	178
90 PERCENT EXCEEDS	58	42	33

e Estimated

WEYMOUTH FORE RIVER BASIN

01105584 TOWN BROOK AT DIVERSION TUNNEL AT QUINCY, MA

LOCATION.--Lat 42°14'40", long 71°00'16", Norfolk County, Hydrologic Unit 01090001, on left bank at spillway into Burgin Brook and diversion tunnel, 100 ft west of Burgin Parkway, and 0.5 mi south of Quincy.

DRAINAGE AREA.--About 2.0 mi² (partially culverted).

PERIOD OF RECORD.--Gage height: February 1999 to September 2000; March 2001 to current year.
Precipitation: February 1999 to September 2000; March 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 14.90 ft above National Geodetic Vertical Datum (NGVD) of 1929. Elevation of spillway into diversion tunnel is 18.0 ft above NGVD. Elevation data provided by U.S. Army Corps of Engineers.

REMARKS.--Records not rated.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.85 ft above NGVD, June 30, 2001, but may have been higher during periods of no gage height record; minimum gage height, 14.78 ft, Sept. 7, 2001, but may have been lower during periods of no gage height record.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.85 ft above NGVD, June 30, but may have been higher during periods of no gage height record; minimum gage height, 14.78 ft, Sept. 7, but may have been lower during periods of no gage height record.

WATER LEVEL, IN FEET ABOVE NGVD OF 1929, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	17.17	17.04	17.09	16.53	16.52	16.53
2	---	---	---	---	---	---	17.06	16.89	16.98	16.54	16.52	16.52
3	---	---	---	---	---	---	16.91	16.84	16.88	16.52	16.51	16.51
4	---	---	---	---	---	---	16.86	16.79	16.83	16.53	16.51	16.51
5	---	---	---	---	---	---	16.80	16.76	16.78	16.51	16.51	16.51
6	---	---	---	---	---	---	17.28	16.74	16.83	16.51	16.50	16.51
7	---	---	---	---	---	---	16.84	16.72	16.76	16.51	16.50	16.50
8	---	---	---	---	---	---	17.45	16.71	16.92	16.51	16.50	16.50
9	---	---	---	---	---	---	16.86	16.73	16.76	16.52	16.50	16.51
10	---	---	---	---	---	---	16.81	16.70	16.74	16.54	16.51	16.52
11	---	---	---	---	---	---	16.73	16.69	16.71	16.52	16.49	16.51
12	---	---	---	---	---	---	17.68	16.69	16.87	16.50	16.49	16.50
13	---	---	---	---	---	---	16.79	16.71	16.74	16.50	16.48	16.49
14	---	---	---	---	---	---	16.74	16.69	16.71	16.49	16.48	16.49
15	---	---	---	---	---	---	16.72	16.68	16.70	16.52	16.48	16.49
16	---	---	---	---	---	---	16.72	16.68	16.69	16.55	16.48	16.51
17	---	---	---	---	---	---	16.71	16.67	16.69	16.50	16.48	16.49
18	---	---	---	---	---	---	17.04	16.66	16.78	16.50	16.48	16.49
19	---	---	---	---	---	---	16.67	16.63	16.65	16.50	16.48	16.49
20	---	---	---	---	---	---	16.66	16.62	16.64	16.49	16.47	16.48
21	---	---	---	17.72	16.78	16.88	16.65	16.62	16.63	16.48	16.47	16.47
22	---	---	18.31	17.62	18.05	16.64	16.61	16.62	17.22	16.47	16.81	
23	---	---	17.91	17.34	17.56	16.62	16.60	16.61	16.80	16.55	16.61	
24	---	---	17.35	17.14	17.21	16.62	16.59	16.61	18.07	16.61	16.91	
25	---	---	17.16	17.05	17.10	16.61	16.59	16.60	16.64	16.58	16.60	
26	---	---	17.06	16.88	16.97	16.60	16.58	16.60	16.59	16.57	16.58	
27	---	---	16.98	16.85	16.91	16.60	16.54	16.57	17.36	16.56	16.73	
28	---	---	16.89	16.81	16.84	16.55	16.53	16.54	17.37	16.59	16.69	
29	---	---	16.83	16.76	16.79	16.54	16.53	16.53	17.03	16.53	16.64	
30	---	---	18.31	16.76	17.65	16.54	16.53	16.53	16.77	16.53	16.57	
31	---	---	17.71	17.16	17.34	---	---	---	16.53	16.51	16.52	
MONTH	---	---	---	---	---	---	17.68	16.53	16.72	18.07	16.47	16.55
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
				JUNE		JULY		AUGUST		SEPTEMBER		
1	16.52	16.51	16.52	18.32	16.62	17.07	16.46	16.43	16.44	16.41	16.39	16.40
2	17.69	16.50	16.86	17.08	16.53	16.64	16.45	16.42	16.43	16.40	16.37	16.39
3	16.77	16.57	16.62	16.53	16.51	16.52	18.67	16.41	16.68	16.40	16.38	16.39
4	16.58	16.55	16.56	16.51	16.49	16.50	17.46	16.49	16.69	17.75	16.39	16.56
5	16.55	16.53	16.54	17.30	16.49	16.63	16.49	16.45	16.47	16.57	16.46	16.49
6	16.61	16.52	16.54	16.55	16.48	16.50	16.46	16.43	16.44	16.59	16.22	16.43
7	16.60	16.51	16.53	16.49	16.47	16.48	16.44	16.42	16.43	16.57	14.78	15.96
8	16.52	16.48	16.50	16.67	16.47	16.51	16.44	16.42	16.42	16.43	16.40	16.41
9	16.49	16.47	16.48	16.47	16.45	16.47	16.43	16.41	16.42	16.42	16.40	16.41
10	16.48	16.47	16.48	18.01	16.45	16.59	18.24	16.41	16.62	16.42	16.40	16.41
11	18.18	16.46	16.57	16.86	16.48	16.54	16.51	16.41	16.43	16.41	16.39	16.40
12	18.26	16.55	16.86	16.49	16.46	16.48	18.14	16.40	16.83	16.41	16.38	16.39
13	16.56	16.52	16.54	16.48	16.46	16.47	18.14	16.46	16.81	16.74	16.38	16.40
14	16.52	16.50	16.51	16.84	16.46	16.51	16.46	16.41	16.43	17.38	16.35	16.48
15	16.50	16.48	16.49	16.53	16.47	16.49	16.41	16.39	16.41	16.36	16.33	16.34
16	16.49	16.48	16.48	16.48	16.47	16.47	16.40	16.38	16.39	16.33	16.32	16.32
17	18.72	16.48	17.15	16.68	16.46	16.52	17.88	16.38	16.45	16.33	16.31	16.32
18	17.80	16.68	16.91	16.50	16.48	16.49	16.53	16.39	16.43	16.34	16.31	16.32
19	16.68	16.53	16.61	16.54	16.46	16.48	16.40	16.39	16.39	16.39	16.31	16.33
20	16.54	16.51	16.52	16.48	16.45	16.46	17.33	16.39	16.59	16.34	16.32	16.33
21	16.52	16.50	16.51	16.46	16.44	16.45	16.52	16.42	16.44	17.29	16.34	16.53
22	16.52	16.49	16.50	16.45	16.44	16.45	16.43	16.40	16.41	18.75	16.40	17.05
23	17.98	16.49	16.70	16.45	16.43	16.44	16.41	16.40	16.41	17.35	16.43	16.51
24	16.60	16.51	16.52	16.47	16.43	16.44	16.41	16.40	16.40	16.52	16.43	16.46
25	16.52	16.49	16.50	16.44	16.42	16.43	16.41	16.39	16.40	18.42	16.43	16.91
26	16.50	16.46	16.48	17.51	16.43	16.65	16.40	16.37	16.39	16.72	16.48	16.53
27	16.47	16.45	16.46	16.52	16.46	16.48	17.22	16.37	16.47	16.48	16.45	16.47
28	16.46	16.43	16.45	16.47	16.46	16.46	16.54	16.40	16.43	16.46	16.44	16.44
29	16.45	16.43	16.44	16.46	16.44	16.45	16.41	16.39	16.40	16.46	16.43	16.45
30	18.85	16.43	16.77	16.47	16.45	16.46	16.43	16.39	16.40	16.47	16.44	16.45
31	---	---	---	16.58	16.43	16.45	16.41	16.39	16.40	---	---	---
MONTH	18.85	16.43	16.59	18.32	16.42	16.52	18.67	16.37	16.48	18.75	14.78	16.44

WEYMOUTH FORE RIVER BASIN

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01105584 TOWN BROOK AT DIVERSION TUNNEL AT QUINCY, MA--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.00	0.00	0.00	0.67	0.00	0.00
2	---	---	---	---	---	0.00	.00	.80	.01	.00	.00	.00
3	---	---	---	---	---	.00	.00	.08	.00	1.45	.00	.00
4	---	---	---	---	---	.00	.00	.00	.00	.10	.10	.10
5	---	---	---	---	---	.00	.00	.00	.00	.43	.00	.00
6	---	---	---	---	---	---	.21	.00	.00	.00	.00	.00
7	---	---	---	---	---	0.00	.00	.00	.00	.00	.00	.00
8	---	---	---	---	---	.41	.00	.00	.11	.00	.00	.00
9	---	---	---	---	---	.04	.00	.00	.00	.00	.00	.00
10	---	---	---	---	---	.00	.00	.00	.00	.38	.66	.00
11	---	---	---	---	---	---	.00	.00	.85	.03	.00	.00
12	---	---	---	---	---	.45	.00	.47	.00	.71	.00	.00
13	---	---	---	---	---	.00	.00	.00	.00	.00	.70	.09
14	---	---	---	---	---	.00	.01	.00	.00	.08	.00	.37
15	---	---	---	---	---	.00	.03	.00	.00	.00	.00	.00
16	---	---	---	---	---	.00	.06	.00	.00	.00	.00	.00
17	---	---	---	---	---	.00	.00	3.08	.13	.35	.00	.00
18	---	---	---	---	---	.23	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.51	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.44
22	---	---	---	---	---	3.83	.00	.87	.00	.00	.00	2.55
23	---	---	---	---	---	.10	.00	.08	.59	.00	.00	.11
24	---	---	---	---	---	.00	.00	.52	.05	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	1.12
26	---	---	---	---	---	.14	.00	.00	.00	.44	.00	.00
27	---	---	---	---	---	.08	.00	.24	.00	.00	.28	.00
28	---	---	---	---	---	.02	.00	.15	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.07	.00	.00	.00	.00
30	---	---	---	---	---	3.48	.00	.00	2.77	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	1.34	2.03	8.69	2.28	4.76	4.78

WEYMOUTH FORE RIVER BASIN

01105585 TOWN BROOK AT QUINCY, MA

LOCATION.--Lat 42°14'52", long 70°59'52", Norfolk County, Hydrologic Unit 01090001, on left bank 200 ft downstream from Miller Stile Road at Quincy and 0.8 mi upstream from Town River Bay.

DRAINAGE AREA.--4.22 mi².

PERIOD OF RECORD.--Discharge: Water years 1972-86; 1999. Prior to October 1974 published as Town River at Quincy. Water-quality records: May to August 1999, November 1999 to June 2000.

REVISED RECORDS.--WDR MA-RI-81-1: 1975-80 (P). WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except those for discharges greater than 50 ft³/s, which are poor. Flow affected by unknown regulation. Telephone gage-height telemeter at station.

AVERAGE DISCHARGE.--17 years (water years 1972-86, 1999-2001) 8.15 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 381 ft³/s May 13, 1975, gage height, 7.40 ft, from rating curve extended above 210 ft³/s on basis of U.S. Army Corps of Engineers computation of the backwater effect from culvert downstream; minimum daily, 0.33 ft³/s Oct. 3, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 345 ft³/s June 30, gage height, 6.61 ft; minimum daily, 0.62 ft³/s, Sept. 19.

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	1.1	1.4	2.0	3.1	4.9	3.4	13	2.7	2.3	17	1.3	0.86
2	1.2	1.3	1.8	2.8	4.0	3.1	11	2.5	12	4.4	1.2	.92
3	1.1	1.2	1.7	2.7	3.7	2.8	9.3	2.5	3.6	2.8	15	.93
4	2.0	1.2	1.7	2.6	3.3	2.7	8.2	2.5	2.7	2.5	3.8	2.7
5	1.5	6.1	1.7	2.5	4.4	5.5	7.3	2.4	2.4	6.3	1.5	1.1
6	3.5	1.7	1.7	4.6	7.8	15	9.3	2.4	2.4	2.5	1.2	.79
7	1.2	1.2	1.6	2.8	5.4	8.1	6.7	2.4	2.4	2.2	1.3	.83
8	1.1	1.1	1.4	2.7	4.1	5.3	13	2.4	2.1	2.7	1.2	.81
9	1.1	1.1	1.5	3.8	6.1	6.4	6.8	2.4	2.0	2.1	1.2	.71
10	1.1	18	1.4	2.9	13	8.3	6.1	2.4	2.0	6.6	6.9	.78
11	1.1	12	1.7	2.5	5.9	7.1	5.4	2.4	6.0	3.0	1.4	.70
12	1.0	2.4	1.9	2.3	4.7	6.5	10	2.3	14	2.0	7.9	.70
13	1.1	2.0	1.5	2.2	4.6	23	5.9	2.3	2.5	1.9	9.3	1.0
14	1.1	9.3	12	2.3	5.0	11	5.3	2.1	2.3	2.6	1.7	3.5
15	1.1	3.8	2.6	7.0	5.5	11	5.0	2.2	2.1	1.9	1.4	.92
16	2.1	2.2	2.7	3.6	5.5	10	4.8	2.4	2.0	1.8	1.3	.72
17	1.2	1.8	32	2.8	5.2	9.5	4.8	2.2	32	2.4	5.2	.66
18	6.1	1.7	9.2	2.4	3.9	9.9	7.0	2.2	7.3	1.8	1.5	.69
19	5.6	1.6	8.1	9.2	3.7	8.1	4.4	2.2	3.2	1.8	1.1	.62
20	1.2	1.6	15	4.4	3.9	7.4	4.2	1.9	2.6	1.6	5.3	.66
21	1.1	1.6	6.0	3.2	3.9	11	4.0	1.9	2.5	1.5	1.5	3.9
22	1.1	1.6	5.2	2.9	3.5	75	4.0	10	2.4	1.5	1.3	31
23	1.0	1.6	4.5	2.8	3.9	27	3.9	3.5	9.8	1.4	1.2	2.0
24	1.0	1.6	4.0	2.8	3.3	15	3.8	10	2.5	1.4	1.1	1.1
25	1.0	1.4	3.8	2.7	6.9	11	3.7	2.9	2.2	1.3	1.0	12
26	1.0	16	3.4	2.4	6.0	11	3.6	2.5	2.1	5.1	1.0	2.2
27	1.0	3.6	3.2	2.5	3.9	10	3.2	4.8	2.0	1.5	2.8	1.5
28	1.5	2.3	3.1	2.4	3.6	8.4	2.8	4.0	1.8	1.3	1.2	1.3
29	1.8	2.0	3.0	2.3	---	7.4	2.7	3.9	1.8	1.3	1.0	1.0
30	3.3	3.0	12	12	---	63	2.7	3.1	29	1.3	.97	1.0
31	5.5	---	4.8	7.2	---	22	---	2.4	---	1.3	.97	---
TOTAL	55.8	107.4	156.2	112.4	139.6	424.9	181.9	95.8	164.0	88.8	84.74	77.60
MEAN	1.80	3.58	5.04	3.63	4.99	13.7	6.06	3.09	5.47	2.86	2.73	2.59
MAX	6.1	18	32	12	13	75	13	10	32	17	15	31
MIN	1.0	1.1	1.4	2.2	3.3	2.7	2.7	1.9	1.8	1.3	.97	.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	5.73	7.49	8.75	11.1	11.6	13.5	10.4	7.50	7.81	4.33	5.50	4.30
MAX	15.1	18.5	20.3	36.0	29.3	33.8	26.5	18.9	32.2	9.33	12.3	7.97
(WY)	1978	1973	1973	1979	1984	1983	1983	1984	1982	1973	1976	1975
MIN	1.80	2.22	2.13	2.52	2.38	6.10	4.86	3.09	1.82	2.03	1.73	1.16
(WY)	2001	1977	1999	1981	1980	1973	1985	2001	1999	1974	2000	1980

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1972 - 2001

ANNUAL TOTAL	1811.60	1689.14		
ANNUAL MEAN	4.95	4.63	8.15	
HIGHEST ANNUAL MEAN			15.6	1984
LOWEST ANNUAL MEAN			4.63	2001
HIGHEST DAILY MEAN	50	Jun 6	75	Mar 22
LOWEST DAILY MEAN	.92	Aug 27	.62	Sep 19
ANNUAL SEVEN-DAY MINIMUM	.95	Sep 6	.76	Sep 6
MAXIMUM PEAK FLOW			345	Jun 30
MAXIMUM PEAK STAGE			6.61	Jun 30
INSTANTANEOUS LOW FLOW			.25	Sep 6
10 PERCENT EXCEEDS	9.9		10	
50 PERCENT EXCEEDS	3.4		2.6	
90 PERCENT EXCEEDS	1.1		1.1	
			18	
			4.5	
			1.3	

WEYMOUTH BACK RIVER BASIN

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01105600 OLD SWAMP RIVER NEAR SOUTH WEYMOUTH, MA

LOCATION.--Lat 42°11'25", long 70°56'43", Norfolk County, Hydrologic Unit 01090001, on left bank between divided lanes of State Highways 3 and 128, 50 ft (revised) downstream from unnamed tributary entering from left, 0.4 mi upstream from Whitmans Pond, and 1.2 mi north of South Weymouth.

DRAINAGE AREA.--4.50 mi².

PERIOD OF RECORD.--Discharge: May 1966 to current year.
Water-quality records: Water years 1967-68, 1999-2000.

GAGE.--Water-stage recorder. Elevation of gage is 70 ft above sea level, from topographic map. Prior to Aug. 3, 1996, at site 50 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--35 years, 9.15 ft³/s, 27.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 590 ft³/s, May 31, 1984, gage height, 5.02 ft; maximum gage height, 5.35 ft, Feb. 15, 1971 (ice jam); minimum discharge, 0.05 ft³/s, Sept. 10-13, 15, 16, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge; 290 ft³/s, Mar. 22, (from rating curve extended above 140 ft³/s), gage height, 5.24 ft; minimum, 0.42 ft³/s, Aug. 2.

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	1.1	11	6.5	e5.7	11	e6.1	38	4.7	2.8	43	0.54	1.4
2	.98	6.1	4.9	4.2	8.9	5.0	23	4.4	9.4	23	.46	1.1
3	1.4	4.1	3.8	e3.5	6.8	4.5	18	4.2	8.7	7.2	2.9	.94
4	1.9	3.3	3.2	e3.1	e5.4	4.3	15	3.9	5.2	4.4	2.6	1.1
5	2.2	6.5	3.0	e3.0	e4.9	6.3	14	3.7	3.9	6.8	1.2	1.2
6	3.5	9.1	2.9	4.4	12	e56	14	3.5	3.1	7.4	.88	.87
7	2.7	4.9	2.6	4.0	11	e19	14	3.3	2.7	3.8	.74	.77
8	2.2	3.4	e2.3	3.6	8.3	e15	18	3.2	2.3	3.3	.52	.75
9	2.1	2.9	e2.2	4.2	7.8	14	16	3.1	2.0	2.9	.52	.67
10	2.4	11	2.1	e3.7	22	13	13	3.0	1.8	4.1	2.0	.63
11	2.1	25	2.7	e3.3	e20	13	11	2.7	2.0	5.7	1.8	.57
12	2.0	16	4.1	3.1	e9.9	13	15	2.5	10	3.2	2.4	.52
13	1.8	7.6	3.5	e2.8	7.9	29	17	2.4	4.4	1.9	28	.49
14	1.7	7.8	10	2.7	7.5	33	12	2.3	3.0	1.9	12	.95
15	1.8	12	9.3	5.6	10	30	10	2.3	2.3	1.9	3.9	.74
16	2.4	7.3	5.4	7.4	9.4	31	9.1	2.6	1.9	1.4	2.4	.61
17	3.5	5.2	35	5.6	10	31	8.6	2.6	14	1.6	1.8	.54
18	3.4	4.3	57	4.5	e8.4	30	11	2.3	28	1.7	1.6	.51
19	13	3.7	23	8.8	e6.0	24	9.9	2.2	8.4	1.7	1.3	.48
20	5.7	3.2	20	13	6.4	23	8.2	2.0	3.5	1.5	3.0	.49
21	4.0	3.1	13	e28	8.0	22	7.4	1.9	2.6	1.1	2.0	2.2
22	3.3	2.9	9.3	e13	e6.2	209	7.1	6.1	2.1	.98	1.4	20
23	2.9	2.6	7.4	e5.6	5.2	162	6.6	6.2	9.5	1.0	1.3	5.3
24	2.8	2.4	5.8	4.6	4.7	47	6.3	15	4.0	.80	1.0	2.3
25	2.7	2.2	e5.1	4.2	6.3	28	5.8	8.8	2.7	.76	.97	8.2
26	2.5	12	e4.5	e3.9	14	21	5.4	4.8	2.1	1.6	.93	10
27	2.6	21	3.9	3.7	11	19	5.2	8.0	1.7	1.1	3.3	3.7
28	2.8	10	3.4	3.6	8.0	17	5.1	6.7	1.5	.74	8.3	2.3
29	2.8	5.9	3.2	e3.2	--	15	4.7	5.7	1.2	.66	3.0	1.9
30	3.6	6.7	6.3	7.8	--	90	4.7	4.4	8.7	.62	1.7	1.7
31	14	--	e9.2	12	--	130	--	3.5	--	.59	1.4	--
TOTAL	101.88	223.2	274.6	185.8	257.0	1160.2	353.1	132.0	155.5	138.35	95.86	72.93
MEAN	3.29	7.44	8.86	5.99	9.18	37.4	11.8	4.26	5.18	4.46	3.09	2.43
MAX	14	25	57	28	22	209	38	15	28	43	28	20
MIN	.98	2.2	2.1	2.7	4.7	4.3	4.7	1.9	1.2	.59	.46	.48
CFSM	.73	1.65	1.97	1.33	2.04	8.32	2.62	.95	1.15	.99	.69	.54
IN.	.84	1.85	2.27	1.54	2.12	9.59	2.92	1.09	1.29	1.14	.79	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	5.16	9.67	12.4	12.3	13.1	17.8	13.8	9.42	7.09	2.87	3.04	3.32
MAX	26.0	24.7	30.9	30.8	30.4	51.5	38.7	21.6	46.2	7.78	8.99	12.9
(WY)	1997	1992	1970	1979	1998	1983	1987	1967	1982	1988	1990	1996
MIN	1.14	2.80	2.77	2.16	2.86	6.25	4.95	4.11	1.08	.54	.50	.18
(WY)	1998	1985	1981	1980	1981	1985	1986	1999	1991	1971	1980	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR

ANNUAL TOTAL	3187.56		3150.42		9.15							
ANNUAL MEAN	8.71		8.63									
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	97	Apr 22		209	Mar 22		361	Mar 18	1968			
LOWEST DAILY MEAN	.84	Jul 15		.46	Aug 2		.05	Sep 11	1995			
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 7		.62	Sep 13		.06	Sep 6	1995			
MAXIMUM PEAK FLOW				290	Mar 22		590	May 31	1984			
MAXIMUM PEAK STAGE				5.24	Mar 22		5.35	Feb 15	1971			
INSTANTANEOUS LOW FLOW				.42	Aug 2		.05	Sep 10	1995			
ANNUAL RUNOFF (CFSM)	1.94		1.92				2.03					
ANNUAL RUNOFF (INCHES)	26.35		26.04				27.63					
10 PERCENT EXCEEDS	17		18				19					
50 PERCENT EXCEEDS	6.1		4.1				5.4					
90 PERCENT EXCEEDS	1.8		1.1				.84					

e Estimated

NORTH RIVER BASIN

01105730 INDIAN HEAD RIVER AT HANOVER, MA

LOCATION.--Lat 42°06'02", long 70°49'23", Plymouth County, Hydrologic Unit 01090002, on right bank at downstream side of Elm Street Bridge, 0.3 mi upstream from Iron Mine Brook, and 1 mi southwest of Hanover.

DRAINAGE AREA.--30.3 mi².

PERIOD OF RECORD.--Discharge: July 1966 to current year.

Water-quality records: Water years 1970-71.

GAGE.--Water-stage recorder. Datum of gage is 3.16 ft above sea level.

REMARKS.--Records good. Some regulation by mills and by Wampatuck, Indian Head, Maquan, and other ponds upstream.

AVERAGE DISCHARGE.--35 years, 63.0 ft³/s, 28.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,390 ft³/s, Mar. 18, 1968, gage height, 7.13 ft; minimum, 0.14 ft³/s, Sept. 26, 27, 1980; minimum daily, 0.18 ft³/s, Sept. 27, 29, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft³/s, Mar. 23, gage height, 6.49 ft; minimum, 5.0 ft³/s, Aug. 7; minimum daily, 5.4 ft³/s, Sept. 20.

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	13	65	57	56	84	57	485	42	32	98	7.6	18
2	13	46	48	45	75	51	280	41	48	90	7.2	15
3	13	34	40	39	64	47	197	39	81	55	6.3	13
4	12	28	36	36	55	45	158	37	56	39	6.7	12
5	11	27	33	34	60	53	136	35	42	38	7.7	12
6	13	45	32	41	110	168	125	34	35	57	7.3	11
7	15	41	30	44	99	193	126	33	31	40	6.4	11
8	14	32	28	40	82	139	134	31	28	31	7.5	9.6
9	16	28	26	42	73	118	142	30	25	28	7.0	8.6
10	17	38	25	41	124	116	123	29	22	26	7.2	8.0
11	15	104	26	37	141	112	106	28	21	27	11	7.3
12	14	107	30	35	93	113	111	26	41	28	14	6.8
13	13	70	30	32	73	166	136	24	41	25	128	6.2
14	12	56	48	31	67	213	115	23	30	23	113	6.1
15	11	81	75	41	74	193	94	22	26	22	54	6.4
16	10	68	54	62	75	200	83	23	23	19	34	6.4
17	11	52	110	53	79	207	77	24	43	18	26	6.1
18	12	43	215	47	70	207	94	24	169	19	22	5.8
19	21	39	177	55	58	183	96	23	94	18	19	5.5
20	27	36	142	100	55	168	78	22	51	17	22	5.4
21	25	33	116	75	61	158	70	20	40	15	24	6.6
22	22	31	86	61	55	702	67	25	34	14	22	68
23	20	29	69	53	50	1040	63	38	50	12	19	64
24	17	27	57	48	47	638	59	74	47	10	16	32
25	15	26	51	45	47	340	55	71	38	9.3	14	28
26	14	43	42	43	87	223	52	45	32	9.8	13	52
27	14	130	38	41	86	179	50	63	27	11	14	38
28	13	97	36	39	69	159	48	67	23	11	46	28
29	12	65	34	37	--	143	45	57	20	10	42	22
30	12	56	43	47	--	330	43	45	22	9.1	25	19
31	29	--	73	92	--	711	--	36	--	8.2	21	--
TOTAL	476	1577	1907	1492	2113	7372	3448	1131	1272	837.4	769.9	537.8
MEAN	15.4	52.6	61.5	48.1	75.5	238	115	36.5	42.4	27.0	24.8	17.9
MAX	29	130	215	100	141	1040	485	74	169	98	128	68
MIN	10	26	25	31	47	45	43	20	20	8.2	6.3	5.4
CFSM	.51	1.73	2.03	1.59	2.49	7.85	3.79	1.20	1.40	.89	.82	.59
IN.	.58	1.94	2.34	1.83	2.59	9.05	4.23	1.39	1.56	1.03	.95	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	35.5	62.6	82.5	84.2	93.0	122	99.8	65.0	45.4	22.4	22.3	21.9
MAX	199	143	185	218	205	276	230	155	203	83.2	93.0	90.1
(WY)	1997	1973	1997	1979	1998	1983	1987	1967	1982	1998	1990	1996
MIN	6.57	18.0	16.4	11.4	19.4	54.9	34.1	26.1	10.8	5.68	2.02	1.13
(WY)	1998	1981	1981	1980	1985	1985	1981	1981	1999	1971	1966	1980

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	21614.4	22933.1	
ANNUAL MEAN	59.1	62.8	63.0
HIGHEST ANNUAL MEAN			97.3
LOWEST ANNUAL MEAN			27.6
HIGHEST DAILY MEAN	472	Apr 23	1260
LOWEST DAILY MEAN	6.5	Sep 14	.18
ANNUAL SEVEN-DAY MINIMUM	7.7	Sep 8	.38
MAXIMUM PEAK FLOW		Mar 23	1390
MAXIMUM PEAK STAGE		Mar 23	Mar 19 1968
INSTANTANEOUS LOW FLOW		Aug 7	7.13
ANNUAL RUNOFF (CFSM)	1.95	2.07	2.08
ANNUAL RUNOFF (INCHES)	26.54	28.16	28.25
10 PERCENT EXCEEDS	128	129	140
50 PERCENT EXCEEDS	41	39	41
90 PERCENT EXCEEDS	13	11	7.3

01105870 JONES RIVER AT KINGSTON, MA

LOCATION.--Lat 41°59'27", long 70°44'03", Plymouth County, Hydrologic Unit 01090002, on left bank 100 ft downstream from Elm Street Bridge at Kingston and 2.8 mi upstream from mouth.

DRAINAGE AREA.--15.7 mi², excludes 4.09 mi² above outlet of Silver Lake, from which flow is diverted for municipal supply of Brockton, Whitman, and Hanson.

PERIOD OF RECORD.--Discharge: August 1966 to current year.

Water-quality records: Water years 1970-71.

REVISED RECORDS.--WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 4.76 ft above sea level (levels by Massachusetts Department of Public Works).

REMARKS.--Records good except those for estimated daily discharge, which are fair. Flow regulated by pond upstream. Flow affected at times by wastage from Silver Lake. Surface flow may be affected by ground water that enters from or moves into adjacent basins. Occasional backwater from tidal surge.

AVERAGE DISCHARGE.--35 years, 32.8 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 575 ft³/s, Mar. 19, 1968, gage height, 4.50 ft; maximum gage height, 5.88 ft, Feb. 7, 1978, from peak-stage indicator (backwater from tide); minimum daily, 0.59 ft³/s, Aug. 11, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 265 ft³/s, Mar. 31, gage height, 4.77 ft, maximum gage height, 4.97 ft (from peak stage indicator); minimum daily, 4.6 ft³/s, Sept. 4.

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	11	33	28	21	39	29	193	50	29	32	11	9.9
2	9.5	29	24	20	38	26	150	50	50	37	10	9.7
3	8.9	27	21	19	35	24	132	46	73	29	11	9.4
4	8.5	25	18	21	31	24	121	49	64	22	20	4.7
5	13	22	17	19	33	35	109	47	56	21	19	7.9
6	12	24	17	19	56	e116	101	41	48	19	15	8.5
7	11	25	16	19	55	e114	96	38	40	17	14	8.1
8	11	24	15	18	50	95	98	35	31	15	12	7.6
9	15	21	13	e20	46	e83	102	33	26	15	10	7.5
10	20	23	13	e21	54	75	98	26	22	16	9.9	6.8
11	17	36	13	24	e54	70	91	23	20	18	11	6.5
12	16	39	e14	22	e46	67	92	22	35	19	12	6.4
13	16	35	13	19	38	82	101	22	37	17	24	6.0
14	14	32	19	22	35	98	93	19	31	16	32	6.5
15	13	34	24	27	33	89	87	21	26	16	26	6.7
16	12	31	23	31	30	82	82	23	22	15	21	6.2
17	12	27	36	28	34	74	71	24	e29	16	17	6.0
18	13	24	50	29	32	71	78	24	62	17	14	6.4
19	16	22	45	28	30	66	82	30	56	16	12	e6.4
20	17	20	54	40	28	60	74	37	44	15	e18	5.9
21	13	20	43	39	29	58	62	27	34	15	26	8.4
22	11	19	35	36	27	175	56	27	27	14	23	16
23	14	19	22	30	31	233	50	34	25	15	20	16
24	14	17	23	29	35	180	50	47	26	12	18	13
25	16	16	19	28	29	146	47	59	25	11	16	11
26	15	21	17	26	35	124	46	48	25	14	14	11
27	16	39	17	25	36	119	48	55	22	15	13	11
28	16	39	18	24	33	108	50	48	19	14	12	12
29	16	33	19	22	---	98	51	42	17	13	12	12
30	14	30	18	26	---	148	50	36	16	12	7.9	10
31	28	---	24	39	---	244	---	31	---	12	13	---
TOTAL	438.9	806	728	791	1052	3013	2561	1114	1037	535	493.8	263.5
MEAN	14.2	26.9	23.5	25.5	37.6	97.2	85.4	35.9	34.6	17.3	15.9	8.78
MAX	28	39	54	40	56	244	193	59	73	37	32	16
MIN	8.5	16	13	18	27	24	46	19	16	11	7.9	4.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	19.2	29.6	33.7	36.9	45.2	60.2	52.5	39.2	26.8	17.6	16.3	16.9
MAX	83.6	66.0	88.1	78.2	97.5	135	114	71.2	69.4	41.6	42.9	55.8
(WY)	1997	1973	1997	1979	1998	1983	1984	1998	1984	1998	1979	1996
MIN	7.94	5.71	10.8	9.00	20.1	25.8	17.3	14.9	9.56	6.34	4.79	5.02
(WY)	1967	1975	1981	1981	1980	1985	1985	1981	1981	1981	1981	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	12773.3	12833.2	
ANNUAL MEAN	34.9	35.2	
HIGHEST ANNUAL MEAN			32.8
LOWEST ANNUAL MEAN			54.6
HIGHEST DAILY MEAN	190	Apr 23	1984
LOWEST DAILY MEAN	8.5	Oct 4	1981
ANNUAL SEVEN-DAY MINIMUM	9.2	Sep 8	14.9
MAXIMUM PEAK FLOW		244	527
MAXIMUM PEAK STAGE		Mar 31	Mar 19 1968
INSTANTANEOUS LOW FLOW		4.97	.59
10 PERCENT EXCEEDS	69	Aug 30	Aug 11 1966
50 PERCENT EXCEEDS	24		1.1 Aug 6 1966
90 PERCENT EXCEEDS	13	11	5.75 Mar 19 1968
			5.88 Feb 7 1978

e Estimated

QUASHNET RIVER BASIN

011058837 QUASHNET RIVER AT WAQUOIT VILLAGE, MA

LOCATION.--Lat 41°35'32", long 70°30'30", Barnstable County, Hydrologic Unit 01090002, on right bank 15 ft upstream from bridge on Martins Road, 0.5 mi northeast of Waquoit Village, and 1.4 mi upstream from mouth.

DRAINAGE AREA.--Surface drainage, from topography, about 2.58 mi², excludes area drained by Johns Pond. This stream drains from a ground-water basin which is larger than, and not coincident with, the surface-water basin.

PERIOD OF RECORD.--October 1988 to current year.

REVISED RECORDS.--WDR MA-RI-92-1: 1990 (M), 1991.

GAGE.--Water-stage recorder. Elevation of gage is 0.86 ft above sea level.

REMARKS.--Records good. Flow at times includes overflow and leakage from Johns Pond. Occasional regulation by cranberry bog upstream. Occasional backwater from tidal surge.

AVERAGE DISCHARGE.--13 years, 15.7 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42 ft³/s, July 1, 1998, gage height, 3.09 ft; maximum gage height, 4.55 ft, Aug. 19, 1991 (tidal surge); minimum discharge, 5.7 ft³/s, Oct. 24, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39 ft³/s, Mar. 30, gage height, 2.90 ft; minimum, 7.4 ft³/s, Jan. 8.

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	12	18	12	8.2	11	15	23	19	21	15	15	13
2	12	14	12	8.0	11	18	21	19	24	21	15	13
3	12	13	12	7.8	11	13	20	19	24	20	15	12
4	12	12	12	7.7	12	13	20	19	23	18	15	12
5	12	13	12	7.7	12	16	20	19	22	20	16	12
6	13	12	12	7.8	13	21	20	19	22	18	15	12
7	12	12	12	7.8	12	17	21	19	22	17	15	12
8	12	12	11	7.8	11	15	22	19	21	17	14	12
9	13	12	11	8.4	11	14	24	19	22	18	14	12
10	14	14	11	8.2	11	15	22	19	21	17	14	11
11	13	15	12	8.4	11	14	19	19	21	19	15	11
12	12	13	12	8.7	11	14	21	19	25	19	16	11
13	12	13	11	8.9	11	17	21	19	20	18	17	11
14	12	13	14	9.1	11	18	20	19	19	17	17	11
15	12	14	14	9.9	11	24	20	19	20	17	16	12
16	12	13	12	11	11	25	20	19	20	17	16	11
17	12	13	13	10	12	20	20	18	20	17	16	12
18	12	12	14	9.8	11	17	23	19	23	17	16	12
19	13	12	12	11	11	16	21	18	19	17	15	12
20	12	12	14	12	11	15	20	18	18	16	20	12
21	12	13	12	12	11	16	20	18	18	16	21	14
22	12	12	12	11	11	24	20	19	18	16	16	15
23	12	12	12	10	12	20	20	19	19	16	15	13
24	12	12	12	10	13	17	20	26	18	16	15	12
25	12	12	12	10	14	17	20	23	18	15	14	14
26	12	13	11	10	16	17	20	20	17	18	14	15
27	12	14	11	10	15	18	20	27	18	19	14	13
28	10	13	11	9.9	14	18	20	24	16	16	14	12
29	10	12	9.0	9.8	---	17	19	24	13	16	13	12
30	10	12	8.6	11	---	28	19	23	14	15	13	12
31	14	---	8.3	12	---	31	---	22	---	15	13	---
TOTAL	374	387	363.9	293.9	332	560	616	622	596	533	474	368
MEAN	12.1	12.9	11.7	9.48	11.9	18.1	20.5	20.1	19.9	17.2	15.3	12.3
MAX	14	18	14	12	16	31	24	27	25	21	21	15
MIN	10	12	8.3	7.7	11	13	19	18	13	15	13	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	13.4	14.5	13.2	13.8	14.4	16.9	20.2	19.8	17.6	15.3	14.9	14.1
MAX	23.9	22.9	20.3	18.5	23.6	28.4	30.0	27.4	24.3	21.0	21.1	20.7
(WY)	1997	1997	1997	1993	1998	1998	1998	1997	1998	1997	1997	1996
MIN	10.2	11.6	9.56	9.48	10.2	11.4	12.9	11.7	12.2	11.9	12.2	10.7
(WY)	1996	2000	1996	2001	1995	1989	1992	1995	1995	1991	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1989 - 2001
ANNUAL TOTAL	5104.3	5519.8	
ANNUAL MEAN	13.9	15.1	
HIGHEST ANNUAL MEAN			15.7
LOWEST ANNUAL MEAN			21.8
HIGHEST DAILY MEAN	24	Apr 22	12.4
LOWEST DAILY MEAN	8.0	Jan 1	1997
ANNUAL SEVEN-DAY MINIMUM	8.9	Jan 1	1995
MAXIMUM PEAK FLOW		39	41
MAXIMUM PEAK STAGE		2.90	Jul 1 1998
INSTANTANEOUS LOW FLOW		7.4	21.1
10 PERCENT EXCEEDS	18	Jan 8	20.7
50 PERCENT EXCEEDS	13	14	Oct 24 1995
90 PERCENT EXCEEDS	11	11	1996

SLOCUMS RIVER BASIN

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01105933 PASKAMANSET RIVER NEAR SOUTH DARTMOUTH, MA

LOCATION.--Lat $41^{\circ}35'07''$, long $70^{\circ}59'27''$, Bristol County, Hydrologic Unit 01090002, at bridge on Russells Mills Road, 3.0 mi west of South Dartmouth.

DRAINAGE AREA.--26.2 mi².

PERIOD OF RECORD.--October 1995 to current year. Discharge measurements made in water years 1972-74, 1991-92.

GAGE.--Water-stage recorder. Elevation of gage is 10 ft above sea level, from topographic map. Telephone gage-height telemeter at station.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--6 years, 53.3 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 772 ft³/s, Mar. 31, 2001, gage height, 14.33 ft; minimum, 0.38 ft³/s, Aug. 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 772 ft³/s, Mar. 31, gage height, 14.33 ft; minimum, 2.1 ft³/s, Sept. 19-21.

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	5.8	16	29	29	104	71	674	28	66	18	18	9.8
2	5.5	14	26	25	95	58	542	27	86	18	16	8.6
3	5.3	12	23	21	78	50	419	25	220	15	14	7.7
4	5.0	10	20	20	67	44	304	23	210	14	22	7.0
5	5.1	9.4	19	18	61	47	209	22	164	22	23	6.4
6	5.8	11	18	24	86	147	154	21	108	18	19	5.6
7	6.0	10	17	26	113	222	131	20	79	15	16	5.2
8	5.4	9.7	16	23	108	204	128	19	63	13	13	4.8
9	5.1	9.5	15	28	91	170	155	18	47	12	11	4.5
10	7.4	15	15	e27	86	157	144	17	35	11	9.6	4.3
11	6.7	32	15	e24	90	148	121	17	30	17	10	4.0
12	5.9	28	16	21	87	128	114	16	117	20	9.1	3.3
13	5.3	22	16	e19	78	142	164	15	190	26	32	3.0
14	4.9	19	29	17	68	241	154	14	166	19	46	3.0
15	4.8	39	55	24	63	234	124	13	111	14	42	3.2
16	5.1	35	46	43	58	196	98	13	77	11	24	2.9
17	5.4	28	51	38	59	168	85	13	71	9.6	18	2.7
18	5.6	22	82	32	56	145	81	12	219	9.6	15	2.6
19	7.2	18	95	36	48	121	81	12	252	8.9	13	2.4
20	8.2	17	110	71	42	98	75	11	196	8.2	40	2.4
21	6.2	16	122	80	40	85	68	10	132	7.2	57	16
22	5.5	15	103	73	36	193	63	13	89	6.5	42	48
23	5.0	14	88	62	32	346	57	20	74	6.0	27	33
24	4.8	13	76	51	31	330	51	78	67	5.6	22	21
25	4.6	12	65	40	32	283	46	188	55	5.2	19	15
26	4.3	16	56	35	77	235	41	181	41	25	17	15
27	4.3	52	46	32	97	195	37	142	32	90	15	13
28	4.4	56	34	30	88	162	34	111	27	92	14	12
29	5.5	49	27	28	---	134	32	104	22	59	12	11
30	5.3	34	25	34	---	256	29	95	20	26	11	10
31	11	---	33	87	---	741	---	81	---	21	10	---
TOTAL	176.4	653.6	1388	1118	1971	5751	4415	1379	3066	642.8	656.7	287.4
MEAN	5.69	21.8	44.8	36.1	70.4	186	147	44.5	102	20.7	21.2	9.58
MAX	11	56	122	87	113	741	674	188	252	92	57	48
MIN	4.3	9.4	15	17	31	44	29	10	20	5.2	9.1	2.4
CFSM	.22	.83	1.71	1.38	2.69	7.08	5.62	1.70	3.90	.79	.81	.37
IN.	.25	.93	1.97	1.59	2.80	8.17	6.27	1.96	4.35	.91	.93	.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	35.2	39.2	54.6	69.5	80.3	112	101	51.5	49.1	14.8	13.7	20.3
MAX	105	69.2	150	120	145	186	147	87.9	115	41.8	22.7	80.6
(WY)	1997	1996	1997	1998	1998	2001	2001	1998	1998	1998	2000	1996
MIN	3.97	21.8	16.1	36.1	55.1	60.2	32.0	28.2	5.67	1.72	2.65	5.87
(WY)	1998	2001	1999	2001	2000	1997	1999	1999	1999	1999	1999	1997

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1995 - 2001
ANNUAL TOTAL	15973.7	21504.9	
ANNUAL MEAN	43.6	58.9	53.3
HIGHEST ANNUAL MEAN			70.3
LOWEST ANNUAL MEAN			33.7
HIGHEST DAILY MEAN	380	Apr 23	741
LOWEST DAILY MEAN	2.9	Jul 25	2.4
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 8	2.7
MAXIMUM PEAK FLOW			772
MAXIMUM PEAK STAGE			14.33
INSTANTANEOUS LOW FLOW			2.1
ANNUAL RUNOFF (CFSM)	1.67	2.25	2.04
ANNUAL RUNOFF (INCHES)	22.68	30.53	27.65
10 PERCENT EXCEEDS	96	150	122
50 PERCENT EXCEEDS	28	27	34
90 PERCENT EXCEEDS	5.4	5.6	4.3

e Estimated

TAUNTON RIVER BASIN

01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA

LOCATION.--Lat $41^{\circ}56'02''$, long $70^{\circ}57'25''$, Plymouth County, Hydrologic Unit 01090004, on right bank at bridge on Titicut Road, 1 mi upstream from Sawmill Brook, 3.5 mi northwest of Middleboro, and 4.0 mi southeast of Bridgewater.

DRAINAGE AREA.--258 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to April 1976, April 1985 to May 1988, October 1996 to current year. Published as "at State Farm" October 1929 to September 1969, and as "at State Farm near Bridgewater" October 1969 to April 1976.

REVISED RECORDS.--WSP 781: 1934. WSP 1051: 1933. WSP 1201: 1931. WSP 1301: 1930(M), 1933(M), 1935(M). WDR MA-RI-84-1: Drainage area.

GAGE.--Water stage recorder. Datum of gage is 9.61 ft above sea level. Prior to October 1996, at sites 40 ft apart about 600 ft upstream: October 1929 to Sept. 30, 1931, inverted nonrecording gage with zero of gage at 10.02 ft; Oct. 1, 1931, to June 8, 1934, nonrecording gage, and June 9, 1934, to April 1976, April 1985 to May 1988, water-stage recorders, at present datum.

REMARKS.--Records good. Flow affected by diversions to and from basin for municipal supplies. Flow regulated by reservoirs and, prior to about 1975, by powerplants upstream. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--53 years (water years 1930-75, 1986-87, 1998 to current year), 475 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,980 ft³/s, Mar. 20, 1968, gage height, 14.48 ft; minimum, 8.0 ft³/s, Sept. 10, 1944; minimum daily, 9.0 ft³/s, Sept. 9-12, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,400 ft³/s, Mar. 24, gage height, 11.30 ft; minimum, 62 ft³/s, Sept. 20.

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	92	233	358	317	634	533	3230	509	331	517	99	118
2	91	226	312	307	621	495	3060	491	360	547	92	106
3	86	199	268	286	573	459	2690	467	566	395	87	98
4	83	173	234	274	509	442	2290	468	546	340	103	94
5	81	160	211	269	485	429	1930	463	511	316	110	97
6	91	183	197	290	649	686	1670	420	434	334	99	91
7	96	175	184	306	759	911	1530	388	368	294	95	89
8	90	161	171	295	718	1010	1480	366	322	260	92	84
9	90	155	159	300	652	1010	1510	324	286	239	92	80
10	97	177	149	307	819	986	1440	283	258	221	103	78
11	90	333	151	296	937	1000	1330	257	235	232	132	75
12	87	357	170	277	771	1030	1250	236	345	234	114	71
13	86	322	170	252	677	1190	1320	203	361	212	349	70
14	84	301	211	244	625	1500	1270	178	323	198	551	70
15	89	401	348	275	625	1570	1160	170	300	188	374	70
16	93	361	299	409	621	1570	1060	167	273	176	291	67
17	98	312	470	391	640	1540	975	166	323	164	251	66
18	94	276	952	375	600	1480	990	164	1040	164	213	66
19	129	247	1050	386	568	1420	1030	169	988	155	181	65
20	131	221	978	637	542	1320	955	166	701	143	189	63
21	118	198	935	511	533	1230	887	159	572	134	231	71
22	114	183	805	484	483	1880	833	172	474	124	215	293
23	104	172	667	448	445	2360	586	579	345	132	137	233
24	103	159	568	419	414	3360	722	407	495	115	180	224
25	103	145	487	392	409	3190	667	723	432	109	166	197
26	97	160	401	363	564	2790	616	628	385	113	148	319
27	88	479	366	344	605	2360	586	579	345	117	192	369
28	85	454	308	327	573	1980	568	553	307	118	174	197
29	83	398	269	309	---	1720	549	530	270	112	157	171
30	101	376	249	323	---	1840	527	465	246	108	141	146
31	152	---	327	598	---	2870	389	---	103	129	---	---
TOTAL	3026	7697	12424	11011	17051	46781	38902	10880	12886	6614	5487	3838
MEAN	97.6	257	401	355	609	1509	1297	351	430	213	177	128
MAX	152	479	1050	637	937	3360	3230	723	1040	547	551	369
MIN	81	145	149	244	409	429	527	159	235	103	87	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

MEAN	228	403	554	620	713	969	867	537	329	188	154	175
MAX	1214	1309	1614	1346	1404	1714	1895	1378	1106	1021	1049	840
(WY)	1997	1956	1946	1976	1998	1968	1987	1954	1998	1938	1955	1933
MIN	36.9	56.6	82.7	122	204	495	192	196	93.8	36.4	28.0	32.9

(WY) 1942 1966 1966 1966 1944 1944 1966 1966 1965 1957 1934 1957

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1930 - 2001

ANNUAL TOTAL	164716	176597										
ANNUAL MEAN	450	484								475		
HIGHEST ANNUAL MEAN										761		1998
LOWEST ANNUAL MEAN										171		1966
HIGHEST DAILY MEAN	2400	Apr 24	3360	Mar 24					4930	Mar 20	1968	
LOWEST DAILY MEAN	66	Sep 12	63	Sep 20					9.0	Sep 9	1944	
ANNUAL SEVEN-DAY MINIMUM	69	Sep 8	67	Sep 14					11	Sep 6	1944	
MAXIMUM PEAK FLOW			3400	Mar 24					4980	Mar 20	1968	
MAXIMUM PEAK STAGE				11.30	Mar 24				14.48	Mar 20	1968	
INSTANTANEOUS LOW FLOW				62	Sep 20				8.0	Sep 10	1944	
10 PERCENT EXCEEDS	987		1040						1060			
50 PERCENT EXCEEDS	308		307						345			
90 PERCENT EXCEEDS	94		93						69			

TAUNTON RIVER BASIN

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01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1967-74, 1997-2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV. OF LAND SURFACE DATUM (FT. NGVD) (72000)	DIS- CHARGE, INST. CUBIC SECOND (00061)	COLOR (PLAT- FEET PER COBALT UNITS) (00080)	DRAIN- AGE AREA (SQ. MI.) (81024)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED OXYGEN, (PER- CENT OF SOLVED (MG/L) (00300)	PH WATER FIELD SATUR- ATION (00301)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- (US/CM) (90095)	SPE- CIFIC (US/CM) (00095)
		APR 19... JUN 18... JUL 17... SEP 05...	0930 1300 1340 1415	9.61 9.61 9.61 9.61	1,040 1,120 162 101	60 -- 40 30	258.00 258.00 258.00 258.00	780 767 760 767	8.7 4.5 5.4 6.3	73 51 61 71	6.7 6.0 6.8 6.6	197 158 249 280
DATE	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L) (00935)	SODIUM, DIS- SOLVED (MG/L) (00930)	ANC TIT 4.5 WAT DIS LAB TOT IT (MG/L)	ALKA- LINITY DIS FIELD AS MG/L AS CACO3 (90410)	BICAR- BONATE DIS FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L)	FLUO- RIDE, DIS- SOLVED (MG/L)	SULFATE DIS- SOLVED (AS SO4)
APR 19... JUN 18... JUL 17... SEP 05...	17.0 31.5 22.0 -- -- -- 21.2	8.7 2.53 2.53 -- -- -- 11.3	7.11 2.53 2.89 -- -- -- 11.3	1.87 2.89 3.37 -- -- -- 2.70	1.84 30.7 34.0 -- -- -- 3.37	25.1 20 21 -- -- -- 21	11 18 18 -- -- -- 18	12 15 22 -- -- -- 18	14 18 22 -- -- -- 22	40.2 50.5 56.9 -- -- -- <.2	E0.1 E.1 56.9 -- -- -- 12.3	8.9 9.3 12.3
DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00500)	NITRO- GEN, AMMONIA DIS- SOLVED (AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS- TOTAL (MG/L) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L) (00671)	PHOS- PHORUS DIS- SOLVED (MG/L) (00665)	CARBON, ORGANIC TOTAL (MG/L) (00680)	OXYGEN DEMAND, CHEM- ICAL TOTAL (HIGH LEVEL) (COL/ AS C) (MG/L) (00340)	E COLI, MTEC MF WATER (MG/L) (00680) (00340) (31633)	COLI- FORM, FECAL, UM-MF 0.7 100 ML 100 ML
APR 19... JUN 18... JUL 17... SEP 05...	<10 -- -- <10 <10	144 -- .306 .058 .55	0.237 .47 .57 .058 .55	0.72 .703 1.40 E1.46	0.375 .039 .038 E.005	0.030 .079 .041 E.044	0.021 E.050 .113 E.044	E0.059 E.050 .113 E.044	10 16 .13 .101	22 -- 13 7.9	40 2,900 47 43	39 5,900 29 56

TAUNTON RIVER BASIN

01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ALUM-	ALUM-	ANTI-	ARSENIC	BARIUM,	BERYL-	CADMIUM	CHRO-	COBALT,	COPPER,
	INUM,	TOTAL	MONY,	SOLVED	DIS-	ARSENIC	DIS-	LIUM,	BORON,	DIS-
	DIS-	RECOV-	DIS-	SOLVED	SOLVED	TOTAL	SOLVED	SOLVED	SOLVED	DIS-
	(UG/L)									
	AS AL)	AS AL)	AS SB)	AS AS)	AS AS)	AS BA)	AS BE)	AS B)	AS CD)	AS CU)
	(01106)	(01105)	(01095)	(01000)	(01002)	(01005)	(01010)	(01020)	(01025)	(01035)
APR										
19...	91	153	0.09	0.5	<2	15.3	<0.06	19	E0.03	<0.8
JUN										
18...	101	519	.17	.9	E1	14.1	<.06	29	.04	<.8
JUL										
17...	28	76	.12	.7	E1	16.1	<.06	45	.04	<.8
SEP										
05...	15	59	<.05	.6	<2	13.4	<.06	53	<.04	<.8
DATE	IRON,	LEAD,	LITHIUM	MANGA-	NESE,	MERCURY	MOLYB-	SELE-	STRON-	THAL-
	TOTAL	DIS-	DIS-	NESE,	TOTAL	TOTAL	DENUM,	NICKEL,	TIUM,	LIUM,
	RECOV-	SOLVED	SOLVED	SOLVED	RECOV-	RECOV-	DIS-	DIS-	DIS-	DIS-
	(UG/L)									
	AS FE)	AS PB)	AS LI)	AS MN)	AS MN)	(AS HG)	(AS MO)	(AS NI)	(AS SE)	(AS SR)
	(01045)	(01049)	(01130)	(01056)	(01055)	(71900)	(01060)	(01065)	(01145)	(01075)
APR										
19...	580	0.51	0.6	63.1	69	<0.01	E0.2	0.72	<0.3	<0.2
JUN										
18...	2,200	1.82	1.0	124	183	.02	.4	1.55	E.3	<.2
JUL										
17...	790	.45	1.0	196	237	<.01	.4	.95	<.3	<.2
SEP										
05...	870	.52	1.1	144	148	<.01	.5	.95	<.3	<.2
DATE	VANA-	ZINC,		ALDRIN,	ALPHA-	CHLOR-	DI-	ENDO-	HEPTA-	HEPTA-
	DIUM,	DIS-		TOTAL	HCH-D6	DANE,	ELDRIN,	SULFAN	CHLOR,	CHLOR,
	DIS-	SOLVED		IN BOT-	SUR SCD	TOTAL	TOTAL	I TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)		TOM MA-	1325	IN BOT-	IN BOT-	IN BOT-	EPoxide	ISODRIN
	AS V)	AS ZN)		TOTAL	TERIAL	TOM MA-	TOM MA-	IN BOT-	TOT. IN	SUR SCD
	(01085)	(01090)		(32730)	(UG/KG)	BED MAT	TERIAL	TOM MA-	IN BOT-	1325
					PERCENT	(UG/KG)	(UG/KG)	TERIAL	TOM MA-	TOM MA-
					(90504)	(39351)	(39383)	(39389)	BOTTOM	BED MAT
									TOM MA-	PERCENT
APR										
19...	0.4	11	<16	--	--	--	--	--	--	--
JUN										
18...	.9	10	--	--	--	--	--	--	--	--
JUL										
17...	.4	4	<16	--	--	--	--	--	--	--
SEP										
05...	.4	4	<16	<0.2	77.0	6	0.9	<0.2	<0.2	<0.2
DATE	METH-	OXY-	MIREX,	BI-	P, P'	P, P'	P, P'	PCB,	TOXA-	URANIUM
	LINDANE	CHLOR,	TOTAL	PHENYL,	DDD,	DDE,	DDE,	TOTAL	PHENE,	NATURAL
	TOTAL	IN BOT-	IN BOT-	NONA-	RECOVER	RECOVER	RECOVER	IN BOT-	IN BOT-	DIS-
	IN BOT-	TOT. IN	IN BOT-	CHLORO-	IN BOT-	SOLVED				
	TOM MA-	BOTTOM	TOM MA-	SUR SCD	TOM MA-	(UG/L)				
	TERIAL	MATL.	TERIAL	1325	TERIAL	TERIAL	TERIAL	TERIAL	TERIAL	AS U)
	(UG/KG)	(UG/KG)	(UG/KG)	PERCENT	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(22703)
	(39343)	(39481)	(39758)	(90575)	(39363)	(39368)	(39373)	(39519)	(39403)	
APR										
19...	--	--	--	--	--	--	--	--	--	E0.01
JUN										
18...	--	--	--	--	--	--	--	--	--	.02
JUL										
17...	--	--	--	--	--	--	--	--	--	E.01
SEP										
05...	<0.2	<2	<0.2	58.0	<0.5	3.6	1.6	<5	<50	<.02

TAUNTON RIVER BASIN

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01109000 WADING RIVER NEAR NORTON, MA
(National Water Quality Assessment Site)

LOCATION.--Lat 41°56'51", long 71°10'38", Bristol County, Hydrologic Unit 01090004, on left bank 200 ft downstream from bridge on State Highway 140, 0.9 mi upstream from confluence with Rumford River, and 1.5 mi southeast of Norton.

DRAINAGE AREA.--43.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: June 1925 to current year.

Water-quality records: Water year 1967-68, 1999-2001.

REVISED RECORDS.--WSP 871: 1938. WSP 1301: 1929-33(M). WSP 1621: 1925-58 (monthly runoff). WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 55.14 ft above sea level. Prior to Oct. 1, 1930, nonrecording gage at same site at datum 0.62 ft higher and Oct. 1, 1930, to May 5, 1933, at same site at present datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated to some extent by Lake Mirimichi and other lakes and reservoirs upstream. Diversion upstream for municipal supply of Attleboro and small diversions to and from basin for other municipal supplies. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--76 years, 73.6 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,460 ft³/s, Mar. 19, 1968; maximum gage height, 11.47 ft, Mar. 19, 1968, June 14, 1998; minimum discharge, 0.3 ft³/s, Sept. 10, 1926.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 701 ft³/s, Mar. 23, gage height, 9.64 ft; minimum, 4.0 ft³/s, Sept. 12-16, 19-21.

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	11	15	55	62	84	86	504	57	54	52	5.7	8.9
2	11	19	49	57	84	78	396	55	70	87	5.4	7.6
3	9.8	21	43	52	79	74	334	52	140	68	6.1	6.7
4	9.1	18	37	47	71	72	288	48	123	53	8.2	6.1
5	9.8	17	34	41	67	70	248	44	98	47	7.3	5.9
6	10	16	31	40	75	82	218	40	80	48	9.5	5.4
7	9.8	16	28	46	87	103	206	37	66	47	15	5.2
8	9.0	20	25	46	90	116	215	34	55	41	9.8	4.8
9	8.4	19	23	46	83	105	237	32	46	35	7.3	4.7
10	8.1	26	21	44	102	102	214	30	39	32	6.2	4.5
11	7.5	61	21	42	122	108	187	29	33	45	6.6	4.3
12	7.4	80	24	40	106	112	176	27	42	54	8.3	4.2
13	8.0	67	25	37	95	140	177	25	43	46	59	4.0
14	11	58	33	34	89	191	167	24	39	39	99	4.1
15	12	62	46	38	94	196	151	23	31	32	62	4.1
16	13	66	47	45	98	194	139	22	26	26	43	4.1
17	14	58	80	48	101	197	129	22	64	23	31	4.2
18	13	50	238	47	95	200	122	22	269	22	25	4.2
19	24	45	254	46	84	194	122	22	253	21	21	4.2
20	38	40	224	47	82	185	114	21	167	20	24	4.0
21	32	35	203	54	83	176	105	20	117	18	29	5.5
22	23	33	175	63	79	409	101	21	101	16	24	45
23	18	30	144	64	75	648	95	28	108	14	19	77
24	16	26	124	58	67	501	84	71	84	12	16	43
25	14	22	108	55	67	413	81	117	73	10	14	38
26	12	30	92	53	91	349	76	93	60	9.9	12	51
27	11	68	80	49	104	308	72	79	47	10	11	40
28	11	83	73	47	97	276	68	78	38	9.2	14	28
29	9.7	68	67	44	--	245	64	76	30	7.4	14	23
30	9.1	59	62	47	--	335	60	76	24	6.6	11	20
31	11	---	62	68	--	645	--	67	--	6.1	10	---
TOTAL	410.7	1228	2528	1507	2451	6910	5150	1392	2420	957.2	633.4	471.7
MEAN	13.2	40.9	81.5	48.6	87.5	223	172	44.9	80.7	30.9	20.4	15.7
MAX	38	83	254	68	122	648	504	117	269	87	99	77
MIN	7.4	15	21	34	67	70	60	20	24	6.1	5.4	4.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY)

MEAN	30.4	60.0	90.7	101	108	156	136	82.5	53.6	24.9	21.6	20.8
MAX	143	210	257	353	232	354	323	227	284	225	175	106
(WY)	1956	1956	1946	1979	1970	1936	1987	1954	1998	1938	1955	1954
MIN	3.11	5.21	10.4	13.7	26.1	65.6	35.0	28.6	9.79	2.98	1.91	1.76
(WY)	1958	1958	1966	1981	1980	1985	1985	1965	1957	1999	1993	1930

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1925 - 2001
ANNUAL TOTAL	24970.6	26059.0	
ANNUAL MEAN	68.2	71.4	73.6
HIGHEST ANNUAL MEAN			123
LOWEST ANNUAL MEAN			28.8
HIGHEST DAILY MEAN	443	Apr 23	1984
LOWEST DAILY MEAN	5.0	Sep 11	1966
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep 8	.30
MAXIMUM PEAK FLOW		648	1968
MAXIMUM PEAK STAGE		Mar 23	1968
INSTANTANEOUS LOW FLOW		9.64	1968
10 PERCENT EXCEEDS	154	176	11.47
50 PERCENT EXCEEDS	45	46	50
90 PERCENT EXCEEDS	8.5	8.4	6.8

TAUNTON RIVER BASIN

01109000 WADING RIVER NEAR NORTON, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1999-2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-	TUR-	BARO-	OXYGEN,	PH	SPE-	CALCIUM		
		CHARGE, INST. CUBIC FEET	BID- ITY FIELD WATER	METRIC PRES- (MM) OF (HG)	DIS- SOLVED (MG/L) (000300)	DIS- SOLVED (PER- CENT) (00301)	WATER WHOLE FIELD CENT (STAND- ARD UNITS) (00400)	CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	DIS- SOLVED (MG/L) (AS CA) (00915)
JUN										
08...	0900	57	1.9	754	7.9	85	6.7	269	17.1	18.2
JUL										
02...	1720	81	4.0	760	7.7	88	6.6	232	24.0	22.1
23...	1700	14	1.5	757	7.5	91	6.9	317	28.4	24.6
AUG										
13...	1150	71	7.0	759	7.5	85	6.5	193	25.4	21.6
SEP										
10...	1700	4.4	.9	760	6.8	79	6.9	287	24.4	22.4
JUN										
08...	2.26	1.41	34.3	64.2	<0.2	5.0	5.8	175	0.045	0.40
JUL										
02...	1.88	1.40	31.8	55.8	<.2	7.1	6.2	158	E.036	.45
23...	2.72	1.74	43.7	77.6	<.2	4.0	5.5	166	E.025	.33
AUG										
13...	1.88	1.72	22.2	36.7	<.2	4.5	8.3	110	.049	.35
SEP										
10...	2.69	2.15	33.8	61.0	<.2	3.8	7.9	148	<.040	.29
JUN										
08...	E0.004	0.016	<0.020	0.031	10	12	5.7	0.6	470	84.5
JUL										
02...	.198	.009	.041	<.020	.037	8.7	10	6.6	1.2	450
23...	.163	E.004	.012	<.020	.020	5.9	6.6	3.8	.7	340
AUG										
13...	.215	.010	.020	<.020	.069	6.0	8.4	4.6	3.5	320
SEP										
10...	.142	<.006	.011	<.020	.016	5.7	6.8	3.6	.7	190

< Less than
E Estimated

TAUNTON RIVER BASIN

121

01109060 THREEMILE RIVER AT NORTH DIGHTON, MA

LOCATION.--Lat 41°51'58", long 71°07'24", Bristol County, Hydrologic Unit 01090004, on right bank 800 ft downstream from Warner Boulevard at North Dighton and 1.4 mi upstream from mouth.

DRAINAGE AREA.--84.3 mi².

REVISED RECORDS.--WDR MA-RI-84-1: Drainage area.

PERIOD OF RECORD.--Discharge: July 1966 to current year.

Water-quality records: Water years 1967-68.

GAGE.--Water-stage recorder. Datum of gage is 11.38 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Lake Mirimichi and other lakes and reservoirs upstream. Diversions to and from basin upstream for municipal supplies may be compensating.

AVERAGE DISCHARGE.--35 years, 167 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870 ft³/s, June 16, 1998, gage height, 8.89 ft; minimum, 1.9 ft³/s, Sept. 12, 1995, but was less during period of unusual regulation on Aug. 4, 5, 1997 (gage height below minimum recordable at this station.)

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,390 ft³/s (estimated), Apr. 1, gage height, (unknown), minimum, 12 ft³/s, Sept. 18.

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	29	32	116	126	171	186	e1330	125	121	98	18	26
2	27	35	105	119	175	167	e1090	120	136	140	17	23
3	26	38	93	106	166	152	e888	115	214	146	18	21
4	25	37	82	103	148	145	732	110	257	120	44	21
5	25	36	74	94	143	146	616	102	233	108	34	20
6	29	36	69	92	171	194	530	93	186	104	25	18
7	28	35	64	97	188	226	482	85	148	99	27	17
8	26	35	59	97	186	233	497	81	123	89	30	17
9	24	37	55	97	179	235	531	77	104	80	24	16
10	23	50	49	95	219	226	527	73	88	73	21	15
11	22	95	54	89	236	231	466	69	78	98	21	14
12	22	123	56	89	234	240	436	65	113	108	24	14
13	21	133	57	76	214	320	421	61	102	99	91	13
14	21	123	69	80	191	e394	396	58	91	84	176	16
15	23	132	95	84	189	e463	366	56	79	70	176	15
16	25	128	98	102	194	e463	328	54	67	60	125	13
17	27	121	165	102	206	462	296	53	110	54	90	13
18	28	105	325	99	199	464	285	53	322	52	70	13
19	37	92	e526	108	181	e455	271	52	545	49	57	13
20	48	82	e582	143	168	e428	258	50	509	45	66	13
21	57	74	e510	141	166	406	240	48	368	42	79	20
22	50	67	e444	e135	157	e775	224	54	263	38	66	120
23	42	62	e365	e130	149	e1210	210	70	238	35	52	164
24	36	56	289	127	141	e1260	195	132	228	32	44	132
25	32	50	248	116	138	e1060	177	214	185	29	37	103
26	30	63	227	107	178	e879	164	215	150	30	32	138
27	29	131	184	102	201	e751	153	189	122	29	30	114
28	28	148	160	97	204	e656	146	167	100	25	38	86
29	25	149	131	90	---	e578	138	159	83	22	37	65
30	25	131	126	104	---	e752	131	152	69	21	33	53
31	30	---	130	155	---	e1230	---	143	---	19	29	---
TOTAL	920	2436	5607	3302	5092	15387	12524	3095	5432	2098	1631	1326
MEAN	29.7	81.2	181	107	182	496	417	99.8	181	67.7	52.6	44.2
MAX	57	149	582	155	236	1260	1330	215	545	146	176	164
MIN	21	32	49	76	138	145	131	48	67	19	17	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	76.7	137	213	227	246	328	303	186	139	55.9	53.4	47.9
MAX	298	407	534	683	466	580	701	408	614	280	170	128
(WY)	1990	1990	1973	1979	1970	1983	1987	1967	1998	1998	1986	1989
MIN	10.9	32.7	40.1	29.8	55.7	136	84.5	83.4	25.6	12.1	8.62	10.9
(WY)	1998	1994	1981	1981	1980	1985	1985	1981	1991	1991	1999	1993

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	53387	58850	
ANNUAL MEAN	146	161	167
HIGHEST ANNUAL MEAN			255
LOWEST ANNUAL MEAN			64.4
HIGHEST DAILY MEAN	980	Apr 24	1984
LOWEST DAILY MEAN	15	Sep 11	1981
ANNUAL SEVEN-DAY MINIMUM	16	Sep 8	
MAXIMUM PEAK FLOW		e1390	2680
MAXIMUM PEAK STAGE		Apr 1	Jun 16 1998
INSTANTANEOUS LOW FLOW		12	8.89
10 PERCENT EXCEEDS	328	400	380
50 PERCENT EXCEEDS	97	102	112
90 PERCENT EXCEEDS	25	24	21

e Estimated

TAUNTON RIVER BASIN

01109070 SEGREGANSET RIVER NEAR DIGHTON, MA

LOCATION.--Lat 41°50'25", long 71°08'36", Bristol County, Hydrologic Unit 01090004, on left bank 50 ft upstream from twin culverts on Center Street and 1.8 mi northwest of Dighton.

DRAINAGE AREA.--10.6 mi².

PERIOD OF RECORD.--Discharge: July 1966 to February 1992, July 1992 to current year.

Water-quality records: Water years 1967-68.

GAGE.--Water-stage recorder. Elevation of gage is 30 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Occasional regulation by ponds upstream. Diversions upstream for Dighton Water District.

AVERAGE DISCHARGE.--34 years, 22.3 ft³/s, 28.57 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 867 ft³/s, Mar. 18, 1968, gage height, 7.51 ft; no flow at times in several water years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 419 ft³/s, Mar. 31, gage height, 5.45 ft; minimum, 0.03 ft³/s, Sept. 20.

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	1.6	4.0	12	e11	e44	e22	187	12	9.1	2.4	0.16	0.71
2	1.4	3.8	9.5	e9.5	e35	e18	92	11	16	2.3	.11	.52
3	1.2	3.5	7.5	e8.5	e25	e15	64	10	41	1.9	.13	.43
4	1.1	3.0	6.2	e8.2	e22	e14	45	9.4	35	1.7	4.3	.42
5	1.1	2.9	5.6	e8.0	e20	e13	40	8.3	21	2.2	5.7	.39
6	1.4	3.3	5.9	9.4	e30	e25	36	7.3	13	2.4	2.3	.33
7	1.5	3.1	5.5	11	e42	e39	39	6.6	10	1.8	1.4	.30
8	1.2	2.7	4.8	10	e36	e42	58	6.2	7.9	1.4	.96	.26
9	.90	2.5	4.6	e9.0	e31	39	80	6.1	5.8	1.4	.81	.21
10	.81	5.7	4.2	e8.5	59	38	62	5.9	4.6	1.3	.63	.18
11	.72	15	4.8	e8.0	e62	41	46	5.5	4.0	2.4	.50	.15
12	.56	14	7.1	e7.5	e44	44	52	4.8	19	3.9	.58	.12
13	.44	10	6.7	e7.0	e31	89	76	4.2	22	3.2	7.2	.08
14	.44	8.2	9.8	7.7	30	126	60	3.9	13	2.2	10	.07
15	.50	14	17	9.8	e30	97	43	3.5	8.6	1.6	5.2	.10
16	.54	13	16	16	e29	82	34	3.8	6.1	1.3	3.2	.09
17	.74	9.3	41	17	e25	72	28	3.9	17	1.1	2.1	.07
18	1.1	6.7	134	16	e23	64	34	3.9	78	1.1	1.8	.05
19	2.9	6.0	99	18	e20	55	36	3.8	61	1.1	1.4	.04
20	3.5	5.8	e62	35	e18	45	30	3.3	27	.93	4.0	.03
21	2.8	4.9	e46	e26	e17	39	25	2.9	13	.83	12	.16
22	2.4	4.5	e31	e21	e16	264	23	3.5	9.0	.63	6.2	1.8
23	1.9	4.0	e23	e18	e15	300	21	6.7	12	.41	3.6	6.8
24	1.9	3.4	e17	e16	e14	132	19	22	18	.36	2.5	3.6
25	1.9	2.8	e14	e14	16	78	17	43	14	.28	1.8	3.2
26	1.7	6.9	e11	e13	37	56	16	31	9.5	.40	1.4	9.6
27	1.6	26	e10	e12	43	49	14	23	6.5	.62	1.3	7.2
28	1.6	28	e9.0	e11	34	45	14	20	4.6	.74	1.3	4.1
29	1.5	19	e8.0	e10	---	43	13	17	3.4	.56	1.2	3.0
30	1.5	14	e9.0	e14	---	167	12	14	2.7	.40	.99	2.3
31	3.0	---	12	45	---	381	---	12	---	.28	.87	---
TOTAL	45.45	250.0	653.2	435.1	848	2534	1316	318.5	511.8	43.14	85.64	46.31
MEAN	1.47	8.33	21.1	14.0	30.3	81.7	43.9	10.3	17.1	1.39	2.76	1.54
MAX	3.5	28	134	45	62	381	187	43	78	3.9	12	9.6
MIN	.44	2.5	4.2	7.0	14	13	12	2.9	2.7	.28	.11	.03
CFSM	.14	.79	1.99	1.32	2.86	7.71	4.14	.97	1.61	.13	.26	.15
IN.	.16	.88	2.29	1.53	2.98	8.89	4.62	1.12	1.80	.15	.30	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	8.90	20.4	31.1	33.8	35.7	47.2	38.0	23.6	15.8	4.79	4.61	4.95
MAX	42.7	58.4	74.7	110	68.6	91.4	106	61.7	85.1	24.9	35.3	21.5
(WY)	1978	1973	1987	1979	1998	1994	1987	1967	1998	1973	1976	1972
MIN	.000	4.69	3.70	3.34	7.23	20.2	9.55	7.87	1.00	.007	.000	.018
(WY)	1998	1981	1981	1981	1980	1981	1985	1981	1999	1999	1999	1980

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	7196.32	7087.14	
ANNUAL MEAN	19.7	19.4	22.3
HIGHEST ANNUAL MEAN			34.5
LOWEST ANNUAL MEAN			7.68
HIGHEST DAILY MEAN	260	Mar 31	670
LOWEST DAILY MEAN	.11	Sep 20	Aug 13 1966
ANNUAL SEVEN-DAY MINIMUM	.17	Sep 14	Aug 13 1966
MAXIMUM PEAK FLOW		419	867
MAXIMUM PEAK STAGE		5.45	Mar 18 1968
INSTANTANEOUS LOW FLOW		.03	7.51
ANNUAL RUNOFF (CFSM)	1.85	1.83	Aug 13 1966
ANNUAL RUNOFF (INCHES)	25.26	24.87	28.57
10 PERCENT EXCEEDS	52	45	51
50 PERCENT EXCEEDS	9.4	8.0	12
90 PERCENT EXCEEDS	.65	.57	.46

e Estimated

TEN MILE RIVER BASIN

123

01109403 TEN MILE RIVER AT PAWTUCKET AVENUE AT EAST PROVIDENCE, RI

LOCATION.--Lat 41°49'51", long 71°21'06", Providence County, Hydrologic Unit 01090004, on right bank on upstream side of bridge on State Highways 1A and 114, 0.3 mi south of junction with State Highway 114A, and 0.7 mi upstream from mouth.

DRAINAGE AREA.--53.1 mi².

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5 ft above sea level, from topographic map.

REMARKS.--Records good. Flow affected by regulation and diversions from reservoirs upstream.

AVERAGE DISCHARGE.--15 years, 107 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft³/s, June 15, 1998, gage height, 8.50 ft; minimum, 5.0 ft³/s, Apr. 19, 1991; minimum daily, 6.6 ft³/s, Apr. 19, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,030 ft³/s, Mar. 31, gage height, 7.30 ft; minimum, 17 ft³/s, Oct. 29.

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	29	37	62	73	115	112	803	67	72	60	29	35
2	30	35	59	70	106	102	499	65	142	80	28	27
3	36	33	53	67	97	94	373	63	234	73	24	25
4	32	32	51	64	87	88	315	59	170	67	61	27
5	29	33	49	61	93	102	275	58	118	72	51	29
6	52	32	47	65	109	132	245	54	96	74	39	25
7	54	34	46	64	108	131	241	49	83	63	34	24
8	50	36	44	62	103	121	273	51	75	57	28	24
9	49	34	43	64	99	121	322	52	66	56	26	22
10	45	81	42	61	140	131	277	52	60	58	28	22
11	43	133	43	58	167	136	228	50	60	109	35	24
12	43	96	46	57	133	142	221	48	115	88	40	20
13	51	73	45	54	116	218	219	47	82	67	175	20
14	45	70	62	52	111	305	198	44	68	59	207	25
15	39	82	75	65	121	284	178	45	59	51	104	24
16	35	72	63	72	128	260	160	44	54	46	67	21
17	33	64	169	67	134	245	153	44	150	47	56	21
18	34	56	416	65	122	240	155	45	507	48	51	22
19	76	51	389	75	107	222	148	46	417	46	44	22
20	66	48	276	107	100	199	132	43	199	42	65	22
21	49	47	221	97	104	188	123	41	134	39	70	38
22	42	45	178	80	101	493	122	50	108	37	55	117
23	32	43	147	74	98	884	115	62	120	35	45	96
24	32	41	125	69	90	646	111	161	107	33	43	60
25	32	38	110	66	94	478	99	190	95	33	36	54
26	31	72	95	63	135	383	87	126	82	39	33	57
27	31	135	88	61	139	334	81	128	73	38	36	46
28	36	101	83	59	126	300	79	110	65	32	61	40
29	21	75	77	58	---	274	71	100	55	30	50	36
30	24	68	81	74	---	447	69	98	52	29	39	30
31	36	---	80	123	---	925	---	86	---	28	35	---
TOTAL	1237	1797	3365	2147	3183	8737	6372	2178	3718	1636	1695	1055
MEAN	39.9	59.9	109	69.3	114	282	212	70.3	124	52.8	54.7	35.2
MAX	76	135	416	123	167	925	803	190	507	109	207	117
MIN	21	32	42	52	87	88	69	41	52	28	24	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

MEAN	62.3	93.1	132	137	145	188	187	112	80.5	48.0	49.1	47.9
MAX	171	223	304	206	261	348	407	206	317	181	119	94.4
(WY)	1990	1990	1993	1999	1988	1994	1987	1998	1998	1998	1989	1987
MIN	23.1	44.8	49.4	41.4	60.5	90.2	78.0	60.4	32.1	19.7	16.6	22.3
(WY)	1994	1994	1999	1989	1989	1989	1995	1992	1991	1999	1993	1993

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1987 - 2001
ANNUAL TOTAL	35924	37120	
ANNUAL MEAN	98.2	102	107
HIGHEST ANNUAL MEAN			154
LOWEST ANNUAL MEAN			67.5
HIGHEST DAILY MEAN	784	Mar 31	1380
LOWEST DAILY MEAN	21	Sep 12	Jun 15
ANNUAL SEVEN-DAY MINIMUM	25	Sep 8	1998
MAXIMUM PEAK FLOW		1030	Apr 19
MAXIMUM PEAK STAGE		7.30	1991
INSTANTANEOUS LOW FLOW		Oct 29	1991
10 PERCENT EXCEEDS	185	218	220
50 PERCENT EXCEEDS	69	65	76
90 PERCENT EXCEEDS	33	32	25

BLACKSTONE RIVER BASIN

01110000 QUINSIGAMOND RIVER AT NORTH GRAFTON, MA

LOCATION.--Lat 42°13'49", long 71°42'41", Worcester County, Hydrologic Unit 01090003, on right bank 800 ft downstream from dam at outlet of Hovey Pond at North Grafton and 0.3 mi upstream from Bummett Brook.

DRAINAGE AREA.--25.6 mi².

PERIOD OF RECORD.--Discharge: October 1939 to current year.

Water-quality records: Water years, 2000.

REVISED RECORDS.--WDR MA-RI-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 335 ft above sea level, from topographic map. Prior to Dec. 7, 1939, staff gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharge, which are poor. Some regulation by Lake Quinsigamond 2.3 mi upstream and by ponds upstream. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--62 years, 41.1 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 820 ft³/s, Aug. 20, 1955, gage height, 5.15 ft; no flow Aug. 6-9, 22, 1966 (caused by unusual regulation), Sept. 13-17, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 368 ft³/s, Mar. 23, gage height, 3.47 ft; minimum daily, 0.03 ft³/s, Sept. 12, 13.

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	5.6	8.0	23	22	24	29	236	34	19	42	1.1	0.54
2	5.2	7.3	21	20	25	28	202	34	35	45	.88	.41
3	5.2	6.4	17	19	24	27	172	32	76	34	1.4	.20
4	5.2	6.2	15	19	22	26	149	30	75	27	17	.13
5	6.2	7.4	14	17	23	30	136	28	62	27	19	.12
6	16	9.6	14	18	30	43	129	26	50	28	16	.07
7	18	8.4	12	18	27	39	132	23	40	21	13	.05
8	15	7.2	11	17	25	34	150	22	35	18	10	.04
9	13	6.8	11	18	25	32	165	21	29	17	7.7	.04
10	11	22	10	18	33	38	157	20	25	17	5.9	.04
11	9.5	45	10	16	36	34	139	19	23	18	4.8	.04
12	7.3	39	12	15	32	33	134	19	32	17	6.9	.03
13	6.5	32	12	15	29	46	134	22	33	15	11	.03
14	6.2	30	14	14	28	58	121	20	29	12	12	.22
15	6.0	42	15	15	36	56	104	19	29	11	9.6	.31
16	6.0	34	14	16	36	58	93	17	29	9.6	7.6	.19
17	7.6	29	47	16	38	60	84	17	62	9.8	6.5	.13
18	8.2	25	114	15	35	65	80	16	127	10	9.7	.08
19	13	20	94	16	30	68	72	16	95	9.7	7.4	.07
20	11	18	84	19	28	69	66	16	72	8.6	7.0	.06
21	10	16	63	21	29	73	61	14	62	7.4	10	1.3
22	9.4	16	53	20	27	238	60	17	49	6.5	7.9	.88
23	7.5	13	44	18	27	362	53	21	41	5.2	6.2	.45
24	6.7	11	37	17	26	328	51	25	36	4.4	4.9	.32
25	6.5	9.5	33	16	27	277	51	27	34	4.2	3.5	3.9
26	6.0	14	e28	16	34	228	45	24	29	4.6	2.3	17
27	5.9	29	e24	15	35	198	43	30	25	4.7	1.7	15
28	7.8	28	22	14	32	165	42	29	21	3.3	1.8	12
29	6.9	25	20	13	---	141	39	28	17	2.4	1.6	8.9
30	4.5	24	21	16	---	187	37	e27	17	1.8	1.1	6.6
31	7.2	---	25	23	---	266	---	e24	---	1.4	.61	---
TOTAL	260.1	588.8	934	532	823	3336	3137	717	1308	442.6	216.09	69.15
MEAN	8.39	19.6	30.1	17.2	29.4	108	105	23.1	43.6	14.3	6.97	2.31
MAX	18	45	114	23	38	362	236	34	127	45	19	17
MIN	4.5	6.2	10	13	22	26	37	14	17	1.4	.61	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	32.3	43.3	47.6	53.5	78.4	77.3	51.6	38.0	19.5	17.0	15.1
MAX	94.3	149	109	159	141	154	202	92.3	143	64.2	169
(WY)	1956	1956	1997	1979	1970	1972	1987	1954	1982	1959	1955
MIN	1.22	1.80	3.07	7.85	11.0	29.4	22.5	18.7	2.81	2.67	.050
(WY)	1943	1942	1942	1981	1977	1989	1966	1999	1999	1965	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1940 - 2001

ANNUAL TOTAL	13102.41	12363.74	
ANNUAL MEAN	35.8	33.9	41.1
HIGHEST ANNUAL MEAN			68.4
LOWEST ANNUAL MEAN			16.5
HIGHEST DAILY MEAN	269	Apr 23	790
LOWEST DAILY MEAN	.91	Sep 12	.00
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 7	.01
MAXIMUM PEAK FLOW		Mar 23	820
MAXIMUM PEAK STAGE		Mar 23	5.15
INSTANTANEOUS LOW FLOW		Sep 13	Aug 20 1955
10 PERCENT EXCEEDS	75	72	87
50 PERCENT EXCEEDS	24	19	30
90 PERCENT EXCEEDS	6.5	2.9	5.5

e Estimated

BLACKSTONE RIVER BASIN

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01110500 BLACKSTONE RIVER AT NORTHBRIDGE, MA

LOCATION.--Lat 42°09'13", long 71°39'09", Worcester County, Hydrologic Unit 01090003, on left bank at Northbridge, 100 ft downstream from Sutton Street Bridge, and 3.0 mi downstream from Quinsigamond River.

DRAINAGE AREA.--139 mi².

PERIOD OF RECORD.--Discharge: October 1939 to September 1977. October 1995 to current year. October and November 1939 monthly discharge only, published in WSP 1301.

Water-quality records: Water years, 1955, 1958, 1971.

REVISED RECORDS.--WSP 1301: 1940 (M).

GAGE.--Water-stage recorder. Telephone and satellite gage-height telemeter at station. Datum of gage is 255.00 ft above sea level, from levels.

REMARKS.--Records good except those for estimated daily discharge and those below 350 ft³/s (regulation), which are poor. Flow regulated by mills and reservoirs upstream. Daily discharge includes flow diverted from Nashua River Basin and, at times, from Quabbin Reservoir to Blackstone River Basin for municipal supply of Worcester.

AVERAGE DISCHARGE.--44 years (water years 1940-77, 1996, 1997- current year), 272 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,900 ft³/s, Aug. 20, 1955, gage height, 16.74 ft, from rating curve extended above 3,800 ft³/s on basis of computation of flow over dam at gage height 13.7 ft and slope-area measurement at gage height 16.74 ft; maximum gage height, 17.53 ft, Aug. 20, 1955, backwater from debris; minimum daily, 2 ft³/s, Aug. 29, 1941, Sept. 5, 1942, Aug. 28, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Stage and discharge of flood of Aug. 20, 1955 are the greatest since at least 1900. Flood of Mar. 19, 1936, reached a stage of 13.7 ft from floodmarks, discharge, 7,510 ft³/s by computation of flow over dam 800 ft upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,260 ft³/s, Mar. 22, gage height, 9.22 ft; minimum daily, 47 ft³/s, Sept. 20.

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	100	135	250	155	188	204	1640	214	120	374	76	66
2	96	122	232	148	177	180	1220	202	359	319	77	63
3	97	119	215	139	161	170	1050	188	568	193	72	64
4	97	110	207	128	147	165	968	166	480	151	281	65
5	110	112	206	126	142	171	933	155	380	143	128	65
6	201	121	199	129	162	259	968	155	264	170	97	65
7	160	111	193	129	165	219	1070	140	195	126	86	65
8	166	112	187	129	152	201	1340	175	163	110	93	69
9	166	113	183	139	159	201	1400	147	138	111	116	73
10	132	277	181	136	274	223	1240	129	160	137	79	73
11	136	487	183	125	286	230	1210	117	147	204	72	77
12	133	377	195	127	225	227	1150	129	257	135	134	79
13	125	303	193	124	199	333	1120	139	163	118	98	74
14	131	302	195	182	189	466	939	118	139	110	96	97
15	121	441	198	175	301	429	820	110	126	96	86	98
16	112	344	184	127	265	445	729	109	117	99	78	75
17	122	279	652	130	259	485	647	108	558	107	76	74
18	120	245	1100	120	223	525	590	105	1020	131	122	70
19	143	225	634	126	194	545	546	103	615	110	84	67
20	125	210	505	152	184	563	492	114	455	94	80	47
21	124	201	400	143	195	606	461	130	395	101	92	66
22	127	191	320	139	182	2490	436	115	311	113	81	126
23	123	184	285	130	176	2590	411	153	250	85	75	82
24	121	176	248	126	168	1860	389	188	216	81	71	71
25	111	171	221	123	167	1500	380	183	205	98	69	191
26	117	210	197	120	257	1220	359	149	171	84	69	280
27	109	381	174	117	257	1030	322	268	152	85	69	149
28	107	289	160	e112	223	867	272	206	136	79	70	92
29	140	251	149	106	---	812	242	166	113	100	69	72
30	106	244	145	e125	---	1580	226	150	113	71	67	67
31	139	---	163	210	---	2200	---	135	---	77	67	---
TOTAL	3917	6843	8554	4197	5677	22996	23570	4666	8486	4012	2830	2622
MEAN	126	228	276	135	203	742	786	151	283	129	91.3	87.4
MAX	201	487	1100	210	301	2590	1640	268	1020	374	281	280
MIN	96	110	145	106	142	165	226	103	113	71	67	47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	164	226	269	295	336	524	490	304	234	144	140	143
MAX	717	766	833	624	832	1072	923	608	661	428	1195	805
(WY)	1956	1956	1997	1996	1970	1972	1956	1972	1972	1959	1955	1954
MIN	53.5	67.7	86.9	93.8	153	250	187	123	89.5	58.4	51.2	56.8
(WY)	1942	1942	1942	1944	1944	1941	1999	1941	1999	1957	1965	1943

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1940 - 2001

ANNUAL TOTAL	106232		98370		272							
ANNUAL MEAN	290		270		408							
HIGHEST ANNUAL MEAN					132							
LOWEST ANNUAL MEAN					132							
HIGHEST DAILY MEAN	2590	Apr 22	2590	Mar 23	8850	Aug 20	1955					
LOWEST DAILY MEAN	86	Sep 12	47	Sep 20	2.0	Aug 29	1941					
ANNUAL SEVEN-DAY MINIMUM	96	Sep 7	65	Sep 1	29	Aug 4	1965					
MAXIMUM PEAK FLOW			3260	Mar 22	16900	Aug 20	1955					
MAXIMUM PEAK STAGE			9.22	Mar 22	16.74	Aug 20	1955					
INSTANTANEOUS LOW FLOW			42	Sep 20	567							
10 PERCENT EXCEEDS	554		560		567							
50 PERCENT EXCEEDS	198		155		186							
90 PERCENT EXCEEDS	107		77		77							

e Estimated

BLACKSTONE RIVER BASIN

01111230 BLACKSTONE RIVER AT MILLVILLE, MA

LOCATION.--Lat 42°01'22", long 71°34'22", Worcester County, Hydrologic Unit 01090003, on railroad bridge, 0.6 mi southeast of Millville, and 1.6 mi upstream from Branch River. Prior to December 1980, at site 0.2 mi downstream.

DRAINAGE AREA.--277 mi².

PERIOD OF RECORD.--Water years 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1969

pH: July 1969 to December 1980.

WATER TEMPERATURE: July 1969 to December 1980

REMARKS.--Discharge computed by discharge measurements on the day of sampling. Instantaneous records are representative of the mean section discharge; records are based on point samples.

EXTREMES FOR PERIOD OF DAILY RECORD

SPECIFIC CONDUCTANCE: Maximum recorded 1,000 $\mu\text{s}/\text{cm}$. May 30, June 3, 5, 1975; minimum 40 $\mu\text{s}/\text{cm}$. June 30, 1973.

SPECIFIC CONDUCTANCE: Maximum recorded, 1,000 $\mu\text{s}/\text{cm}$, May 30, June 3, 5, 1975; minimum, 200. Maximum recorded, 2-3 units, Sept. 10, 1976; minimum, 4-5 units, Sept. 6, 1973.

WATER TEMPERATURE: Maximum recorded, 29.0°C, July 29, 1970, July 21, 1977, July 23, 1978; minimum, 0.0°C on many days during winter periods.

DISSOLVED OXYGEN: Maximum recorded, 14.9 mg/L, Feb. 25, 1971; minimum, 0.0 mg/L, July 12, 15-20, 26-30, Aug. 2, 3, 1971.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

APR												
18...	0830	979	10	277.00	760	10.1	90	6.3	6.9	350	344	5.0
JUN												
19...	0900	1,710	--	277.00	766	7.0	80	6.2	6.7	214	205	24.8
JUL												
17...	0840	194	12	277.00	761	7.1	81	7.2	6.6	356	366	24.5
SEP												
05...	0900	90	5	277.00	761	6.3	68	6.9	7.2	501	499	22.0

APR													
18...	10.0	13.0	2.16	2.92	45.2	15	16	20	78.8	E0.1	13.2	<10	
JUN													
19...	22.0	--	--	--	--	--	12	14	--	--	--	--	
JUL													
17...	21.5	14.7	2.50	4.31	46.9	22	19	23	77.1	.2	15.7	10	
SEP													
05...	19.0	19.3	3.37	7.86	63.6	30	28	34	102	.3	25.8	10	

APR													
18...	190	0.390	0.84	0.601	0.023	0.032	0.105	4.9	15	61	19	33	
JUN													
19...	--	.169	.78	.444	.026	.056	.157	10	--	800	580	69	
JUL													
17...	224	<.040	.51	1.64	.010	.035	.112	6.1	21	73	250	15	
SEP													
05...	284	E.063	.80	E3.78	E.088	E.181	.297	6.8	<10	68	44	6	

BLACKSTONE RIVER BASIN

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01111230 BLACKSTONE RIVER AT MILLVILLE, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS AS) (01002)	BERYL- LIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS B) (01020)	CHRO- MIUM, DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CO) (01035)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01040)	
	APR 18... JUN 19... JUL 17... SEP 05...	133 .26 91 68	0.17 1.6 .39 .37	1.0 2 2 2.5	E2 17.1 18.5 16.3	E0.04 22 55 118	30 .32 .41 .59	0.36 E.6 E.6 E.6	E0.4 .18 .19 .29	0.34 5.5 4.2 6.9	510 940 590 520	
	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS MN) (01055)	MOLYB- DENUM, DIS- SOLVED (UG/L AS HG) (71900)	NICKEL, DIS- SOLVED (UG/L AS MO) (01060)	SELE- NIUM, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS AG) (01075)	THAL- LIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	
DATE	APR 18... JUN 19... JUL 17... SEP 05...	0.60 1.35 .47 .83	1.7 47.0 1.3 2.6	91.0 70 45.6 74.5	104 .02 <.01 98	<0.01 .02 1.8 <.01	0.7 .9 5.05 5.3	3.21 3.79 5.05 11.8	<0.3 <.3 E.2 .3	<0.2 53.1 <.2 <.2	85.0 53.1 90.1 107	<0.04 <.04 <.04 <.04
	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L (32730))	ALPHA- HCH-D6 IN BOT- SUR SCD TOTAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- BED MAT PERCENT (UG/KG) (90504)	ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	SULFAN ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	HEPTA- CHLOR CHLOR, TOTAL IN BOT- TOM MA- BOTTOM MATL. TERIAL (UG/KG) (39393)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- BOTTOM MATL. TERIAL (UG/KG) (39423)	LINDANE ISODRIN TOTAL SUR SCD IN BOT- TOM MA- 1325 MATTERIAL (UG/KG) (39413)	PERCENT (UG/KG) (90568)	
	APR 18... JUN 19... JUL 17... SEP 05...	20 -- 15 -- 13 <16	<16 -- -- -- -- <0.2	77.0 -- -- -- -- 77.0	-- -- -- -- 3	-- -- -- -- 0.9	-- -- -- -- <0.2	-- -- -- -- <0.2	-- -- -- -- <0.2	-- -- -- -- 67	<0.2	
DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	BI- PHENYL, NONA- RECOVER CHLORO- 1325 PERCENT (90575)	P, P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P, P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P, P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)			
	APR 18... JUN 19... JUL 17... SEP 05...	-- -- -- -- -- <2	-- -- -- -- -- <0.2	-- -- -- -- 1.9	-- -- -- -- 0.6	-- -- -- -- 17	-- -- -- -- <50	0.03 .04 .02 <.02				

BLACKSTONE RIVER BASIN

01111300 NIPMUC RIVER NEAR HARRISVILLE, RI

LOCATION.--Lat 41°58'52", long 71°41'11", Providence County, Hydrologic Unit 01090003, on left bank 1.0 mi upstream from mouth and 1.2 mi northwest of Harrisville.

DRAINAGE AREA.--16.0 mi².

PERIOD OF RECORD.--Discharge: March 1964 to September 1991, October 1993 to current year.

Water-quality records: Water year 1968.

REVISED RECORDS.--WDR MA-RI-98-1: 1999.

GAGE.--Water-stage recorder. Elevation of gage is 340 ft above sea level, from topographic map.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--35 years (water years 1965-91, 1994-current year), 30.6 ft³/s, 25.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft³/s, Jan. 25, 1979, gage height, 8.53 ft, from rating curve extended above 530 ft³/s; minimum, no flow, Sept. 5, 6, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,680 ft³/s, Mar. 22, gage height, 7.26 ft; minimum, 0.26 ft³/s, Oct. 5.

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	0.61	6.0	25	23	34	e31	179	29	5.6	24	2.3	1.9
2	.51	6.2	21	23	31	e28	135	28	34	19	1.9	1.4
3	.44	4.9	e16	23	28	27	113	26	49	11	1.7	1.3
4	.35	3.5	14	23	26	26	103	24	30	8.4	1.8	1.3
5	.32	2.9	12	23	25	32	95	23	22	14	2.0	1.2
6	.49	6.4	12	23	31	50	92	22	14	28	1.8	.91
7	.67	5.2	12	22	30	45	98	21	9.5	17	1.6	.76
8	1.4	3.0	10	22	28	37	144	20	6.7	12	1.2	.68
9	.74	2.0	9.8	22	e28	34	141	19	4.7	18	1.1	.64
10	1.1	18	11	22	e28	35	104	18	3.2	13	4.9	.63
11	.71	45	13	22	e29	34	85	16	2.6	35	9.1	e.56
12	.49	35	14	21	e29	35	83	14	12	23	9.4	e.51
13	.44	25	e14	21	e32	50	86	12	11	14	37	e.48
14	.41	23	16	21	30	61	74	10	6.0	9.6	31	e.78
15	.28	43	18	22	33	55	66	10	3.5	10	17	e1.0
16	.31	35	e15	24	32	59	61	9.7	2.6	7.3	9.1	e1.1
17	.64	27	80	24	33	67	56	10	207	6.4	5.9	e1.1
18	.68	22	170	23	e31	75	55	8.9	292	6.5	4.9	e1.0
19	4.3	19	75	24	27	71	52	9.5	76	6.1	4.3	e.96
20	4.6	17	56	30	25	72	48	8.4	38	5.4	5.3	e1.1
21	3.3	15	e38	28	30	78	46	4.5	27	4.8	6.7	e1.5
22	2.4	15	32	26	e28	874	52	8.5	23	4.3	5.4	e1.8
23	1.3	14	e30	25	e26	331	42	17	25	3.8	4.2	e1.7
24	.83	13	27	24	24	196	39	22	21	3.4	3.6	e1.6
25	3.0	12	24	24	25	163	37	25	20	3.1	3.0	e1.8
26	3.3	17	23	23	38	131	36	19	15	3.3	2.5	e1.9
27	1.8	38	22	22	e37	112	34	26	11	3.6	2.6	e1.8
28	.78	34	22	22	34	98	37	23	7.9	3.1	3.6	e1.7
29	.60	27	21	21	---	91	33	17	6.2	2.8	3.4	e1.6
30	1.2	25	21	24	---	407	31	13	5.6	2.8	2.9	e1.5
31	4.0	---	24	35	---	372	---	9.0	---	2.5	2.2	---
TOTAL	42.00	559.1	897.8	732	832	3777	2257	522.5	991.1	325.2	193.4	36.21
MEAN	1.35	18.6	29.0	23.6	29.7	122	75.2	16.9	33.0	10.5	6.24	1.21
MAX	4.6	45	170	35	38	874	179	29	292	35	37	1.9
MIN	.28	2.0	9.8	21	24	26	31	4.5	2.6	2.5	1.1	.48
CFSM	.08	1.16	1.81	1.48	1.86	7.61	4.70	1.05	2.06	.66	.39	.08
IN.	.10	1.30	2.09	1.70	1.93	8.78	5.25	1.21	2.30	.76	.45	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	13.6	25.6	38.8	43.0	44.3	64.2	57.6	35.2	22.6	8.05	7.70	5.75
MAX	59.9	81.5	113	176	92.7	124	156	69.0	109	29.8	49.5	23.7
(WY)	1990	1973	1997	1979	1970	1983	1987	1967	1982	1984	1990	1989
MIN	1.35	3.32	7.45	7.13	7.93	30.5	19.3	12.6	3.06	1.07	.32	.36
(WY)	2001	1966	1966	1981	1980	1989	1966	1986	1999	1997	1999	1983

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1964 - 2001
ANNUAL TOTAL	9557.45	11165.31	
ANNUAL MEAN	26.1	30.6	
HIGHEST ANNUAL MEAN			44.9
LOWEST ANNUAL MEAN			13.5
HIGHEST DAILY MEAN	170	Dec 18	937
LOWEST DAILY MEAN	.23	Sep 12	.01
ANNUAL SEVEN-DAY MINIMUM	.42	Sep 8	.04
MAXIMUM PEAK FLOW		1680	1840
MAXIMUM PEAK STAGE		7.26	8.53
INSTANTANEOUS LOW FLOW		.26	.00
ANNUAL RUNOFF (CFSM)	1.63	1.91	1.91
ANNUAL RUNOFF (INCHES)	22.22	25.96	25.97
10 PERCENT EXCEEDS	53	63	67
50 PERCENT EXCEEDS	22	19	19
90 PERCENT EXCEEDS	1.2	1.2	1.7

e Estimated

BLACKSTONE RIVER BASIN

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01111500 BRANCH RIVER AT FORESTDALE, RI

LOCATION.--Lat $41^{\circ}59'47''$, long $71^{\circ}33'47''$, Providence County, Hydrologic Unit 01090003, on left bank 20 ft upstream from abandoned bridge site, 400 ft downstream from milldam at Forestdale, 1 mi east of Slattersville, and 1.6 mi upstream from mouth.

DRAINAGE AREA.--91.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September to December 1909 and January 1912 to July 1913 (gage heights only; published as "at Branch Village"), January 1940 to current year.

REVISED RECORDS.--WSP 2101: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 180 ft above sea level, from topographic map. Prior to July 28, 1913, non-recording gage at site 1 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharge and those for the period March 23 to May 23, which are poor. Occasional regulation by pond upstream. Prior to 1957, greater regulation by mills and reservoirs upstream.

AVERAGE DISCHARGE.--61 years, 175 ft³/s, 26.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,470 ft³/s, Jan. 25, 1979, gage height, 11.80 ft; maximum gage height, 11.90 ft, Mar. 18, 1968; minimum daily, 5.2 ft³/s, Oct. 7, 1948.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1886, about 5,800 ft³/s, Mar. 19, 1936, by computation of flow over dam 1 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,030 ft³/s, Mar. 22, gage height, 10.29 ft; minimum, 13 ft³/s, Sept. 12, 13, 14.

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	35	44	74	141	182	171	1070	62	109	111	21	27
2	34	43	67	115	176	164	729	60	185	e111	21	24
3	32	40	61	93	158	150	561	58	365	89	19	22
4	29	36	55	91	138	140	473	55	277	73	20	20
5	27	37	e52	90	144	164	420	51	204	84	22	19
6	30	35	e48	95	146	185	387	49	152	93	21	18
7	28	41	e46	91	141	170	390	45	122	91	20	18
8	31	50	e46	88	133	160	403	46	103	83	18	18
9	42	49	e45	92	132	162	508	48	83	79	17	17
10	39	99	e42	88	187	169	398	49	73	86	26	16
11	59	179	e44	83	245	185	346	53	67	141	37	15
12	97	141	e48	83	192	194	314	53	80	137	56	14
13	100	109	e52	79	166	261	316	53	96	104	244	13
14	101	104	e60	84	152	345	253	53	83	87	286	18
15	100	154	e78	91	146	309	210	53	74	68	168	22
16	98	142	e73	95	160	320	166	52	66	59	111	22
17	104	111	e260	95	156	365	145	53	744	55	83	18
18	115	93	909	93	138	420	141	55	2360	54	68	16
19	136	81	544	100	123	429	133	53	1020	51	57	15
20	116	74	400	133	117	417	120	53	554	46	61	16
21	110	70	319	138	130	442	113	51	384	42	63	30
22	103	63	274	118	126	2680	116	59	284	39	58	33
23	98	55	243	108	125	2570	104	83	215	36	50	29
24	96	51	222	103	116	1310	98	146	165	33	43	25
25	94	46	205	99	120	895	87	172	144	29	38	34
26	92	58	180	93	177	635	82	150	128	32	35	33
27	90	120	178	91	210	537	78	249	110	29	33	27
28	72	118	172	88	198	464	72	220	93	28	38	25
29	39	91	146	84	---	426	70	178	79	27	34	22
30	33	78	147	94	---	1100	65	149	75	24	33	20
31	44	---	150	148	---	2070	---	126	---	22	31	---
TOTAL	2224	2412	5240	3084	4334	18009	8368	2637	8494	2043	1832	646
MEAN	71.7	80.4	169	99.5	155	581	279	85.1	283	65.9	59.1	21.5
MAX	136	179	909	148	245	2680	1070	249	2360	141	286	34
MIN	27	35	42	79	116	140	65	45	66	22	17	13
CFSM	.79	.88	1.85	1.09	1.70	6.37	3.06	.93	3.10	.72	.65	.24
IN.	.91	.98	2.14	1.26	1.77	7.35	3.41	1.08	3.46	.83	.75	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	97.9	156	212	227	242	343	314	199	133	59.4	59.3	61.7
MAX	479	472	565	810	581	723	877	399	710	211	372	397
(WY)	1956	1956	1973	1979	1970	1972	1987	1967	1982	1998	1955	1954
MIN	15.5	30.4	37.9	40.2	60.5	163	89.4	77.3	37.7	18.1	8.74	19.1
(WY)	1958	1966	1966	1981	1980	1989	1966	1965	1964	1965	1999	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
ANNUAL TOTAL	56025	59323	
ANNUAL MEAN	153	163	
HIGHEST ANNUAL MEAN			175
LOWEST ANNUAL MEAN			261
HIGHEST DAILY MEAN	1210	Apr 23	76.5
LOWEST DAILY MEAN	20	Sep 12	1966
ANNUAL SEVEN-DAY MINIMUM	21	Sep 8	Aug 30 1999
MAXIMUM PEAK FLOW		4030	5470
MAXIMUM PEAK STAGE		10.29	Jan 25 1979
INSTANTANEOUS LOW FLOW		13	11.90
ANNUAL RUNOFF (CFSM)	1.68	1.78	1.92
ANNUAL RUNOFF (INCHES)	22.85	24.20	26.04
10 PERCENT EXCEEDS	310	330	378
50 PERCENT EXCEEDS	102	91	121
90 PERCENT EXCEEDS	35	27	26

e Estimated

BLACKSTONE RIVER BASIN

01111500 BRANCH RIVER AT FORESTDALE, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954, 1968, 1979 to current year.

REMARKS.--Discharge computed by discharge measurements on the day of sampling. Instantaneous records are representative of the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV. OF LAND SURFACE	DIS- CHARGE, INST.	COLOR	DRAIN- (PLAT- FEET)	METRIC PRES- SURE	OXYGEN, (MM HG)	DIS- SOLVED	WATER WHOLE (PER- CENT)	PH FIELD	PH LAB	SPE- CIFIC CON- DUCT-	SPE- CIFIC CON- DUCT-
		DATE (FT.)	COBALT SECOND	INUM- UNITS	AREA (SQ. MI.)	(MM HG)	SOLVED (00025)	OXYGEN, (MG/L)	(00300)	(00301)	(00400)	(00403)	(US/CM) (90095)
APR													
18...	1300	180.00	144	18	91.20	763	11.2	101	5.9	6.8	114	111	
23...	1345	180.00	101	--	91.20	777	8.3	93	6.9	--	--	126	
JUN													
18...	1430	180.00	2,240	--	91.20	764	9.4	106	6.0	6.1	66	65	
JUL													
18...	0815	180.00	55	40	91.20	763	7.6	87	6.5	7.0	129	131	
SEP													
06...	0815	180.00	20	15	91.20	767	8.8	96	6.5	6.7	144	142	
APR													
18...	14.7	10.8	3.88	0.800	1.20	13.8	5	5	6	24.8	E0.1	7.2	
23...	25.5	22.0	--	--	--	--	--	10	--	--	--	--	
JUN													
18...	26.7	21.4	--	--	--	--	--	5	6	--	--	--	
JUL													
18...	25.6	22.0	4.63	.970	1.73	16.9	9	10	12	27.2	E.1	5.6	
SEP													
06...	9.5	19.8	5.41	1.24	1.95	17.3	12	11	13	28.7	<.2	6.6	
APR													
18...	62	0.067	0.28	0.204	<0.006	<0.018	<0.060	4.3	14	3	1		
23...	--	--	--	--	--	--	--	--	--	--	8	17	
JUN													
18...	--	.308	.98	.081	E.004	<.020	.167	13	--	6,800	7,100		
JUL													
18...	<10	90	E.037	.29	.216	E.005	<.020	<.060	6.1	20	--	--	
SEP													
06...	<10	94	E.047	.35	E.140	<.006	<.020	<.060	5.8	17	15	19	

BLACKSTONE RIVER BASIN

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01111500 BRANCH RIVER AT FORESTDALE, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ALUM-											
	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	INUM, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
APR												
18...	98	139	0.09	E0.2	<2	18.3	0.08	10	0.05	<0.8	0.20	1.2
23...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
18...	186	360	.14	.3	<2	13.7	.13	11	.07	E.4	.31	2.3
JUL												
18...	47	57	.11	.3	<2	17.1	E.05	17	E.02	<.8	.08	1.3
SEP												
06...	22	41	<.05	.3	<2	16.9	<.06	18	.04	E.5	.06	1.2
DATE	MANGA-											
	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	
APR												
18...	240	0.55	1.3	72.2	74	<0.01	<0.2	0.10	<0.3	<0.2	29.6	
23...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
18...	760	1.46	.6	94.3	105	<.01	<.2	.61	E.2	<.2	18.7	
JUL												
18...	850	.72	.6	52.5	69	<.01	E.2	.35	E.2	<.2	35.8	
SEP												
06...	750	.60	.6	76.0	93	<.01	E.1	.41	<.3	<.2	42.5	
DATE	THAL-											
	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L) (32730)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)							
APR												
18...	<0.04	E0.1	9	<16	E0.01							
23...	--	--	--	--	--							
JUN												
18...	<.04	.6	8	--	.03							
JUL												
18...	<.04	.3	3	<16	.02							
SEP												
06...	<.04	.2	3	<16	<.02							

BLACKSTONE RIVER BASIN

01112500 BLACKSTONE RIVER AT WOONSOCKET, RI

LOCATION.--Lat 42°00'22", long 71°30'13", Providence County, Hydrologic Unit 01090003, on right bank 50 ft upstream from Peters River pressure conduit at Woonsocket. Records include flow of Peters River.

DRAINAGE AREA.--416 mi².

PERIOD OF RECORD.--Discharge: February 1929 to current year.

Water-quality records: Water years 1952-53, 1957-58, 1962-67.

REVISED RECORDS.--WSP 756: Drainage area. WSP 781: 1931(M). WSP 871: 1938. WSP 1051: 1931.

GAGE.--Water-stage recorder. Datum of gage is 107.42 ft above sea level.

REMARKS.--Records good. Flow regulated by powerplants, by West Hill Reservoir since May 1961, and by other reservoirs upstream. Extremes and figures of daily discharge include flow diverted from Nashua River basin and, at times since January 1966, from Quabbin Reservoir for supply of Worcester, MA, and, prior to July 1964, flow diverted around station in Hamlet Trench. Telephone and satellite gage-height telemeters at station.

AVERAGE DISCHARGE.--72 years, 778 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,900 ft³/s, Aug. 19, 1955, gage height, 21.80 ft, from floodmarks, from rating curve extended above 15,000 ft³/s on basis of slope-area measurement of peak flow (affected by failure of Horseshoe Dam on Mill River); minimum daily, 21 ft³/s, Aug. 11, 1934 (flow diverted around station in Hamlet Trench not included).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1645, that of Aug. 19, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft³/s, Mar. 23, gage height, 11.65 ft; minimum, 90 ft³/s, Sept. 20.

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	165	261	407	514	644	703	5390	563	436	789	146	136
2	150	243	385	463	630	651	4050	542	686	832	138	127
3	140	228	344	435	582	588	3260	518	1470	603	134	118
4	133	223	312	416	519	558	2880	464	1240	484	228	114
5	151	213	304	403	499	591	2560	432	953	496	291	113
6	225	220	292	403	534	669	2390	416	745	627	209	105
7	296	217	278	423	537	666	2420	396	558	518	181	103
8	246	222	275	397	503	637	2640	366	478	417	160	104
9	231	224	272	409	493	628	3120	366	407	384	136	111
10	242	439	259	393	731	671	2810	330	355	428	174	111
11	234	854	265	379	956	724	2540	308	324	936	196	107
12	272	712	291	373	771	746	2370	297	503	861	250	108
13	270	534	296	367	689	1030	2360	317	491	634	664	107
14	275	492	333	352	637	1460	2060	297	404	485	667	134
15	270	715	358	382	710	1410	1800	279	358	388	439	185
16	260	663	345	402	771	1460	1610	272	326	328	321	153
17	283	513	1070	399	769	1610	1480	275	2080	311	261	120
18	300	433	3040	388	701	1800	1380	264	5530	322	276	108
19	368	382	2320	411	599	1830	1280	270	3340	306	244	103
20	327	343	1730	534	575	1830	1160	269	2190	267	247	98
21	300	315	1370	532	625	1920	1060	253	1590	245	261	125
22	275	291	1100	474	603	6360	1010	286	1210	211	232	201
23	248	276	937	444	581	8940	933	395	980	207	211	210
24	247	258	814	418	544	5960	869	623	798	196	181	160
25	239	242	726	402	545	4470	820	689	678	180	170	185
26	233	304	661	381	727	3680	777	584	581	194	160	386
27	235	579	605	372	869	3240	721	916	529	209	158	316
28	230	563	573	358	789	2900	661	928	437	186	189	229
29	180	461	514	335	--	2680	603	715	387	167	170	169
30	180	413	508	376	--	4120	591	602	384	163	153	140
31	239	--	539	568	--	7480	--	497	--	150	149	--
TOTAL	7444	11833	21523	12903	18133	72012	57605	13729	30448	12524	7396	4486
MEAN	240	394	694	416	648	2323	1920	443	1015	404	239	150
MAX	368	854	3040	568	956	8940	5390	928	5530	936	667	386
MIN	133	213	259	335	493	558	591	253	324	150	134	98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	427	658	865	966	1012	1520	1436	883	620	335	307	325
MAX	2007	2233	2371	3167	2493	4063	3643	1779	2826	2453	2704	1980
(WY)	1956	1956	1997	1979	1970	1936	1987	1972	1982	1938	1955	1954
MIN	123	127	186	183	262	653	479	303	136	120	71.5	104
(WY)	1998	1932	1966	1981	1980	1989	1966	1930	1999	1999	1999	1997

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1929 - 2001

ANNUAL TOTAL	271871		270036									
ANNUAL MEAN		743		740						778		
HIGHEST ANNUAL MEAN										1162		1984
LOWEST ANNUAL MEAN										345		1966
HIGHEST DAILY MEAN	5490	Apr 23		8940	Mar 23					25900	Aug 20	1955
LOWEST DAILY MEAN	109	Sep 11		98	Sep 20					21	Aug 11	1934
ANNUAL SEVEN-DAY MINIMUM	118	Sep 8		107	Sep 6					55	Aug 30	1999
MAXIMUM PEAK FLOW				10300	Mar 23					32900	Aug 19	1955
MAXIMUM PEAK STAGE				11.65	Mar 23					21.80	Aug 19	1955
INSTANTANEOUS LOW FLOW				90	Sep 20							
10 PERCENT EXCEEDS	1560			1660						1680		
50 PERCENT EXCEEDS	523			407						536		
90 PERCENT EXCEEDS	184			162						162		

BLACKSTONE RIVER BASIN

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01112900 BLACKSTONE RIVER AT MANVILLE, RI

LOCATION.--Lat 41°58'18", long 71°28'14", Providence County, Hydrologic Unit 01090003, at Manville Road Bridge, 400 ft downstream from milldam at Manville, and 2.5 mi downstream from Woonsocket Sewage Treatment Plant.

PERIOD OF RECORD.--Water years 1970, 1979 to current year.

REMARKS.--Discharge obtained from gage at Woonsocket and inflow from Woonsocket Treatment Plant on the day of sampling.
Instantaneous records are representative of the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

BLACKSTONE RIVER BASIN

01112900 BLACKSTONE RIVER AT MANVILLE, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	ALUM- INUM, TOTAL RECOV- ERABLE DATE (01105)	ANTI- MONY, DIS- SOLVED (UG/L AS AL) (01095)	ARSENIC DIS- SOLVED (UG/L AS SB) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	
APR													
23...	83	0.19	0.8	E1	23.3	<0.06	30	0.21	E0.5	0.25	3.1	440	
JUN													
19...	381	.22	1.0	E2	16.0	E.05	17	.17	E.5	.24	4.5	1,030	
JUL													
18...	86	.38	1.3	E2	19.7	<.06	47	.19	E.7	.24	3.7	770	
AUG													
28...	67	.57	2.0	2	17.7	E.06	69	.20	E.6	.20	5.2	380	
	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01056)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL (71900)	MOLYB- DENUM, TOTAL (01060)	NICKEL, DIS- SOLVED (UG/L AS MO)	SELE- NIUM, DIS- SOLVED (UG/L AS NI)	SILVER, DIS- SOLVED (UG/L AS SE)	STRON- TIUM, DIS- SOLVED (UG/L AS AG)	THAL- LIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS TL)		
APR													
23...	0.60	1.1	79.1	91	<0.01	0.7	2.69	<0.3	<0.2	81.1	E0.04	0.4	
JUN													
19...	1.55	.7	64.6	89	.02	.5	2.95	E.2	<.2	38.6	<.04	.7	
JUL													
18...	1.14	1.1	80.7	97	<.01	1.5	3.94	.4	<.2	76.4	<.04	.5	
AUG													
28...	.62	1.5	48.0	91	<.01	2.5	4.36	2.0	<.2	84.9	<.04	.7	
	ZINC, TOTAL SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L) (32730)	ALDRIN, IN BOT- TOM MA- TOTAL (UG/KG) (39333)	ALPHA- HCH-D6 SUR SCD (UG/KG) (90504)	CHLOR- DANE, TOTAL (90504)	DI- ELDRIN, TOTAL (39351)	ENDO- SULFAN IN BOT- (39383)	ENDRIN, IN BOT- (39389)	HEPTA- CHLOR, TOTAL TOT. IN IN BOT- (39393)	HEPTA- CHLOR, TOTAL IN BOT- (39423)	LINDANE		
APR													
23...	14	<16	--	--	--	--	--	--	--	--	--	--	
JUN													
19...	12	--	--	--	--	--	--	--	--	--	--	--	
JUL													
18...	10	<16	--	--	--	--	--	--	--	--	--	--	
AUG													
28...	13	<16	<0.2	67.0	<3	4.2	<0.2	<0.2	<0.2	<0.2	59	<0.2	
	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL (UG/KG) (39758)	BI- PHENYL, NONA- CHLORO- TERIAL PERCENT (90575)	P, P'- DDD, RECOVER IN BOT- (39363)	P, P'- DDE, RECOVER IN BOT- (39368)	P, P'- DDT, RECOVER IN BOT- (39373)	PCB, TOTAL IN BOT- (39519)	PHENE, TOTAL IN BOT- (39403)	TOXA- URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)				
APR													
23...	--	--	--	--	--	--	--	--	--	--	0.02		
JUN													
19...	--	--	--	--	--	--	--	--	--	--	.04		
JUL													
18...	--	--	--	--	--	--	--	--	--	--	.03		
AUG													
28...	<2	<0.2	75.0	<0.5	3.8	<0.5	20	<50	<0.2				

BLACKSTONE RIVER BASIN

135

01113695 CATAMINT BROOK AT CUMBERLAND, RI

LOCATION.--Lat 41°59'06", long 71°24'51", Providence County, Hydrologic Unit 01090003, on left bank at downstream culvert of bridge at Thomas Leighton Blvd. in Cumberland, RI.

DRAINAGE AREA.--13.8 mi².

PERIOD OF RECORD.--September 1993 to August 1994, July 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 180 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharge, which are poor.

AVERAGE DISCHARGE.--2 years (water years 2000-2001), 6.49 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 119 ft³/s, Mar. 22, 2001, gage height, 3.15 ft; minimum, no flow, many days during water years 2000, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 119 ft³/s, Mar. 22, gage height, 3.15 ft; minimum, no flow, Oct. 15-18, Sept. 5-7, 9-21, 23-30.

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	0.44	3.1	4.5	5.7	5.2	7.0	52	5.2	4.3	18	1.2	0.21
2	.36	3.4	4.0	e5.2	5.1	6.7	39	5.0	9.2	12	1.1	.17
3	.33	3.2	e3.5	e5.0	5.0	6.3	30	4.8	12	8.2	.98	.17
4	.29	3.3	e3.1	e4.8	e4.6	6.0	24	4.6	9.5	6.3	1.1	.17
5	.29	3.6	e2.8	e4.6	4.7	6.3	21	4.2	7.0	6.5	.96	.13
6	.39	3.6	e2.7	4.9	5.6	7.9	19	4.0	5.8	7.5	.89	.00
7	.30	3.3	e2.5	4.9	5.1	6.9	19	3.7	4.9	5.9	.84	.03
8	.27	2.9	e2.1	4.8	5.0	6.4	25	3.6	4.3	5.1	.79	.06
9	.28	2.7	e2.1	4.9	5.0	6.5	25	3.5	3.7	4.7	.70	.03
10	.27	4.3	e2.0	4.8	6.6	7.1	20	3.4	3.4	4.9	.92	.03
11	.23	6.1	2.0	4.6	e6.6	7.4	16	3.2	3.0	7.9	.84	.03
12	.13	5.6	2.5	4.3	e6.1	7.7	17	2.9	4.1	6.5	1.1	.00
13	.12	4.8	e2.5	e4.2	5.6	14	17	2.6	2.5	5.1	4.3	.00
14	.05	4.7	4.2	4.1	5.5	16	15	2.4	2.0	4.2	2.7	.04
15	.02	5.3	5.0	4.4	6.4	16	13	2.3	1.8	3.6	3.5	.05
16	.00	4.7	4.9	4.6	6.5	17	12	2.2	1.9	3.3	4.9	.00
17	.00	4.2	19	4.5	6.9	19	11	2.3	15	3.1	3.1	.00
18	.34	3.6	39	4.3	e6.1	21	11	2.2	40	3.1	2.5	.00
19	1.0	3.3	23	4.9	e5.8	21	10	2.2	23	2.7	2.1	.00
20	.40	3.0	21	5.9	5.8	21	9.6	1.9	14	2.5	2.3	.00
21	.25	2.8	15	5.9	6.1	21	9.2	1.7	9.9	2.2	2.8	.07
22	.27	2.6	13	e5.4	e6.1	78	8.8	2.4	7.8	2.0	2.0	.11
23	.27	2.3	11	4.6	4.9	74	8.0	3.4	7.4	1.9	1.5	.02
24	.24	2.0	9.5	4.5	4.5	51	7.3	6.6	6.8	1.9	1.1	.00
25	.23	1.8	e8.4	4.3	4.7	44	6.9	6.9	5.9	1.7	.83	.00
26	.22	3.3	e8.1	4.2	6.8	35	6.4	5.7	5.1	1.7	.60	.01
27	.20	5.9	6.8	4.1	8.1	30	6.0	9.2	4.2	1.6	.49	.00
28	.17	5.7	6.1	4.0	7.6	25	5.8	7.5	3.6	1.6	.41	.00
29	.14	5.2	5.8	e3.8	---	22	5.3	6.3	3.1	1.5	.29	.00
30	.24	4.9	5.8	4.4	---	52	5.2	5.7	5.0	1.4	.26	.00
31	1.8	---	6.1	5.1	---	73	---	5.0	---	1.3	.24	---
TOTAL	9.54	115.2	248.0	145.7	162.0	732.2	474.5	126.6	230.2	139.9	47.34	1.33
MEAN	.31	3.84	8.00	4.70	5.79	23.6	15.8	4.08	7.67	4.51	1.53	.044
MAX	1.8	6.1	39	5.9	8.1	78	52	9.2	40	18	4.9	.21
MIN	.00	1.8	2.0	3.8	4.5	6.0	5.2	1.7	1.8	1.3	.24	.00
CFSM	.02	.28	.58	.34	.42	1.71	1.15	.30	.56	.33	.11	.00
IN.	.03	.31	.67	.39	.44	1.97	1.28	.34	.62	.38	.13	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	1.79	4.36	6.96	5.45	7.57	18.0	15.1	6.52	7.24	2.95	1.15	1.03
MAX	3.27	4.89	8.00	6.21	9.29	23.6	15.8	8.96	7.67	4.51	1.94	2.49
(WY)	2000	2000	2001	2000	2000	2001	2001	2000	2001	2001	2000	1999
MIN	.31	3.84	5.93	4.70	5.79	12.4	14.4	4.08	6.82	1.38	.001	.044
(WY)	2001	2001	2000	2001	2001	2000	2000	2001	2000	2000	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1994 - 2001
ANNUAL TOTAL	2254.10	2432.51	
ANNUAL MEAN	6.16	6.66	6.49
HIGHEST ANNUAL MEAN			6.66
LOWEST ANNUAL MEAN			6.32
HIGHEST DAILY MEAN	43	Apr 23	78
LOWEST DAILY MEAN	.00	Oct 16	.00
ANNUAL SEVEN-DAY MINIMUM	.08	Oct 11	.00
MAXIMUM PEAK FLOW			119
MAXIMUM PEAK STAGE			3.15
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (CFSM)	.45	.48	.47
ANNUAL RUNOFF (INCHES)	6.08	6.56	6.39
10 PERCENT EXCEEDS	13	16	13
50 PERCENT EXCEEDS	4.5	4.3	4.3
90 PERCENT EXCEEDS	.36	.17	.17

e Estimated

MOSHASSUCK RIVER BASIN

01114000 MOSHASSUCK RIVER AT PROVIDENCE, RI

LOCATION.--Lat 41°50'02", long 71°24'42", Providence County, Hydrologic Unit 01090004, on left bank 800 ft upstream from bridge on U.S. Highway 44 at Providence and 0.5 mi above mouth.

DRAINAGE AREA.--23.1 mi².

PERIOD OF RECORD.--Discharge: June 1963 to current year.

Water-quality records: Water year 1971.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 8.19 ft above sea level. Prior to Nov. 7, 1973, at datum 0.88 ft lower. Mar. 10, 1972, to Nov. 7, 1973, stage record obtained at site 200 ft upstream. Gage heights of published extremes are for site and datum then in use.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Occasional regulation at low flow. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--38 years, 40.5 ft³/s, 23.83 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,390 ft³/s, Mar. 18, 1968, gage height, 3.46 ft, present datum, from rating curve extended above 460 ft³/s; maximum gage height, 5.81 ft, July 30, 1976; minimum discharge, 1.3 ft³/s, Aug. 23, 1970; minimum daily, 1.7 ft³/s, Aug. 10, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 936 ft³/s, June 17, gage height, 5.01 ft; minimum, 5.2 ft³/s, Oct. 30.

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	8.0	12	19	22	42	36	165	28	27	18	7.9	9.3
2	7.9	13	18	20	36	34	120	29	174	17	7.5	8.3
3	7.6	7.4	16	20	32	32	97	28	101	15	13	8.0
4	7.5	7.1	15	19	27	30	84	25	56	13	23	8.2
5	7.5	7.2	15	19	31	40	73	22	41	44	9.4	8.2
6	9.4	8.8	14	24	46	55	74	23	34	27	8.7	7.0
7	8.6	7.9	13	20	37	42	70	26	30	18	8.5	7.6
8	8.1	7.6	13	19	31	37	136	24	27	15	8.4	7.1
9	7.5	7.5	13	21	e30	43	96	23	24	15	7.7	7.3
10	9.4	111	12	19	e33	50	77	25	22	70	13	6.8
11	6.6	54	14	17	e35	50	64	22	50	60	9.1	6.8
12	6.0	26	15	17	e35	49	74	19	97	26	42	6.5
13	5.8	19	14	16	36	160	69	19	32	18	205	7.1
14	5.7	40	48	17	36	110	58	20	24	16	45	11
15	5.6	30	27	39	44	88	52	22	22	14	22	7.4
16	6.9	20	23	26	46	92	49	20	20	13	16	6.8
17	7.5	17	294	24	50	102	47	18	234	14	13	7.0
18	26	15	198	21	39	102	50	16	209	13	12	6.5
19	43	14	77	51	34	89	46	15	75	12	11	6.4
20	16	14	82	42	34	81	42	15	47	12	60	6.7
21	8.4	13	52	31	38	89	40	17	35	11	22	36
22	9.8	13	42	25	33	570	40	27	31	10	15	53
23	10	12	39	23	34	324	37	26	51	10	12	11
24	10	12	34	24	30	168	35	210	32	9.8	11	9.1
25	7.5	11	32	23	52	120	33	80	28	9.5	10	14
26	6.3	89	26	21	65	104	32	42	23	17	9.2	8.9
27	6.3	54	24	21	49	97	32	117	20	9.6	34	7.7
28	6.0	29	23	20	42	86	30	54	18	8.8	17	8.1
29	6.7	22	22	19	---	75	27	54	17	8.2	12	11
30	5.8	22	24	72	---	396	28	56	17	7.9	10	12
31	15	---	25	57	---	344	---	36	---	7.8	9.5	---
TOTAL	302.4	715.5	1283	809	1077	3695	1877	1158	1618	559.6	703.9	320.8
MEAN	9.75	23.9	41.4	26.1	38.5	119	62.6	37.4	53.9	18.1	22.7	10.7
MAX	43	111	294	72	65	570	165	210	234	70	205	53
MIN	5.6	7.1	12	16	27	30	27	15	17	7.8	7.5	6.4
CFSM	.42	1.03	1.79	1.13	1.67	5.16	2.71	1.62	2.33	.78	.98	.46
IN.	.49	1.15	2.07	1.30	1.73	5.95	3.02	1.86	2.61	.90	1.13	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

MEAN	22.6	36.5	49.0	53.3	52.7	70.4	65.0	45.1	33.9	18.9	19.9	19.5
MAX	69.0	118	143	174	93.8	141	160	104	125	42.2	53.8	50.1
(WY)	1978	1973	1973	1979	1984	1968	1983	1967	1982	1998	1986	1972
MIN	6.36	10.6	10.6	12.9	18.3	29.0	22.9	24.2	10.6	8.07	7.27	5.09

(WY) 1995 1966 1981 1980 1985 1966 1965 1999 1999 1970 1970

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1963 - 2001

ANNUAL TOTAL	13641.7	14119.2	40.5
ANNUAL MEAN	37.3	38.7	62.5
HIGHEST ANNUAL MEAN			1973
LOWEST ANNUAL MEAN			20.2 1981
HIGHEST DAILY MEAN	430	Apr 22	570 Mar 22 1750 Mar 18 1968
LOWEST DAILY MEAN	5.6	Oct 15	5.6 Oct 15 1.7 Aug 10 1970
ANNUAL SEVEN-DAY MINIMUM	6.3	Oct 11	6.3 Oct 11 2.6 Aug 4 1970
MAXIMUM PEAK FLOW			936 Jun 17 2390 Mar 18 1968
MAXIMUM PEAK STAGE			5.01 Jun 17 5.81 Jul 30 1976
INSTANTANEOUS LOW FLOW			5.2 Oct 30 1.3 Aug 23 1970
ANNUAL RUNOFF (CFSM)	1.61	1.67	1.75
ANNUAL RUNOFF (INCHES)	21.97	22.74	23.83
10 PERCENT EXCEEDS	73	81	80
50 PERCENT EXCEEDS	26	23	27
90 PERCENT EXCEEDS	8.6	7.6	8.3

e Estimated

WOONASQUATUCKET RIVER BASIN

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01114500 WOONASQUATUCKET RIVER AT CENTERDALE, RI

LOCATION.--Lat 41°51'32", long 71°29'16", Providence County, Hydrologic Unit 01090004, on right bank 75 ft downstream from bridge on U.S. Highway 44 at Centerdale and 6.5 mi upstream from mouth.

DRAINAGE AREA.--38.3 mi².

PERIOD OF RECORD.--Discharge: July 1941 to current year.

Water-quality records: Water years 1955-56.

GAGE.--Water-stage recorder. Elevation of gage is 95 ft above sea level, from topographic map.

REMARKS.--Records fair. Some regulation by reservoirs upstream; regulation greater prior to 1956. Discharge figures prior to 1966 included leakage around station through bypass canal; leakage negligible subsequently.

AVERAGE DISCHARGE.--60 years, 73.8 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,520 ft³/s, June 30, 1998, gage height, 7.26, maximum gage height, 7.75 ft, Mar. 18, 1968, from floodmarks; minimum daily, 2.1 ft³/s, Aug. 26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge during March 1936, 1,000 ft³/s, by computation of flow over dam 0.7 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,300 ft³/s, Mar. 22, gage height, 6.57 ft; minimum, 7.8 ft³/s, Oct. 30.

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	26	11	78	81	71	67	567	48	84	76	14	23
2	26	10	70	79	68	65	417	47	156	67	13	22
3	18	10	52	78	64	64	332	47	175	65	13	22
4	14	10	26	78	61	63	285	62	146	65	16	22
5	14	35	25	77	65	70	234	67	114	73	14	16
6	15	66	25	67	68	75	185	61	93	63	12	14
7	14	61	25	47	65	67	164	62	77	28	12	13
8	13	51	24	46	63	65	213	58	64	22	11	13
9	12	44	25	46	64	67	216	34	62	21	11	13
10	12	60	25	40	97	72	204	31	56	31	15	13
11	11	53	22	25	87	75	180	29	58	59	14	13
12	11	48	13	25	72	86	173	23	81	78	18	12
13	11	48	17	25	70	171	167	18	65	69	107	12
14	11	52	23	25	69	175	149	17	59	55	88	14
15	11	56	20	28	76	151	134	16	54	45	83	14
16	10	67	23	28	76	145	124	16	49	41	64	13
17	11	68	92	28	79	146	119	17	269	42	57	12
18	14	70	80	28	71	151	121	16	759	42	63	12
19	24	79	71	49	67	139	116	16	542	40	62	12
20	15	87	78	76	67	132	113	15	343	38	71	12
21	13	79	73	70	70	138	112	15	240	31	55	16
22	12	79	74	62	66	986	112	23	174	29	49	20
23	12	85	81	59	66	843	102	37	156	28	29	14
24	11	89	83	57	63	642	60	93	130	25	25	13
25	11	87	80	56	68	478	53	89	106	23	24	15
26	11	100	76	56	84	373	51	75	86	26	24	14
27	11	95	77	55	76	323	51	112	77	24	28	12
28	10	89	77	57	71	279	50	115	71	18	28	11
29	8.9	86	76	56	---	244	49	112	67	15	24	11
30	8.6	85	79	67	---	641	49	124	67	15	23	10
31	13	---	82	79	---	778	---	103	---	14	23	---
TOTAL	414.5	1860	1672	1650	1984	7771	4902	1598	4480	1268	1090	433
MEAN	13.4	62.0	53.9	53.2	70.9	251	163	51.5	149	40.9	35.2	14.4
MAX	26	100	92	81	97	986	567	124	759	78	107	23
MIN	8.6	10	13	25	61	63	49	15	49	14	11	10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	38.8	59.7	85.1	92.6	104	142	130	86.1	58.4	31.8	28.6	30.1
MAX	200	208	239	281	254	357	364	191	214	112	83.6	116
(WY)	1956	1956	1973	1979	1970	1983	1983	1967	1982	1998	1955	1954
MIN	10.3	9.90	17.9	20.6	31.2	54.1	44.9	34.1	23.2	11.7	9.21	6.99
(WY)	1958	1958	1966	1966	1944	1944	1966	1986	1965	1999	1963	1980

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1941 - 2001

ANNUAL TOTAL	23153.8						29122.5					
ANNUAL MEAN	63.3						79.8					
HIGHEST ANNUAL MEAN							73.8					
LOWEST ANNUAL MEAN							119					
HIGHEST DAILY MEAN	383						986					
LOWEST DAILY MEAN	8.6						8.6					
ANNUAL SEVEN-DAY MINIMUM	10						10					
MAXIMUM PEAK FLOW							1300					
MAXIMUM PEAK STAGE							6.57					
INSTANTANEOUS LOW FLOW							7.8					
10 PERCENT EXCEEDS	117						150					
50 PERCENT EXCEEDS	52						59					
90 PERCENT EXCEEDS	12						13					

PAWTUXET RIVER BASIN

01115098 PEEPTOAD BROOK AT ELMDALE ROAD NEAR NORTH SCITUATE, RI

LOCATION.--Lat 41°51'08", long 71°23'35", Providence County, Hydrologic Unit 01090004, on left bank 5 ft downstream from bridge on Elmdale Road, 0.5 mi upstream from regulating reservoir and 1.7 mi northwest of North Scituate.

DRAINAGE AREA.--4.96 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: June 1994 to current year.

Water-quality records: Water years, 2000, 2001.

GAGE.--Water-stage recorder. Elevation of gage is 315 ft above sea level, from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--7 years, 10.5 ft³/s, 28.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 180 ft³/s, Oct. 20, 1996, gage height, 2.40 ft; no flow Sept. 13, 16, 17, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 149 ft³/s, Mar. 22, gage height, 2.44 ft; minimum, 0.32 ft³/s, Oct. 15.

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	0.47	1.5	4.0	5.9	11	10	48	6.7	7.5	5.0	1.6	1.5
2	.47	1.5	3.5	5.4	10	9.3	38	6.3	26	5.3	1.5	1.2
3	.44	1.4	3.0	5.2	8.8	8.7	31	5.8	37	4.6	1.4	1.1
4	.41	1.4	2.5	5.0	7.4	8.0	25	5.3	19	4.1	2.4	1.0
5	.42	1.4	2.4	4.9	7.0	8.5	22	5.0	12	5.2	2.5	1.3
6	.53	1.4	2.4	5.0	8.4	10	20	4.6	8.6	5.7	2.1	1.1
7	.53	1.4	2.3	5.0	7.9	8.8	21	4.4	7.0	4.5	1.8	1.0
8	.49	1.4	2.2	4.8	7.2	8.0	34	4.4	5.9	3.9	1.6	.98
9	.46	1.4	2.2	4.8	6.9	7.8	37	4.1	5.1	3.7	1.4	.88
10	.43	4.5	2.2	4.7	13	8.6	26	3.9	4.6	4.0	1.7	.86
11	.41	6.2	2.3	4.5	17	9.0	20	3.6	4.3	11	2.5	.77
12	.40	4.2	3.0	4.4	12	9.6	19	3.3	9.1	8.3	3.2	.71
13	.40	3.2	2.9	4.1	9.9	20	21	3.0	6.7	5.6	23	.65
14	.37	3.3	3.9	4.0	9.3	29	17	2.7	5.1	4.3	22	.84
15	.37	6.5	5.6	4.5	11	22	14	2.7	4.3	3.6	9.3	1.0
16	.39	6.0	5.4	5.2	12	23	13	2.7	3.7	3.1	5.8	.86
17	.44	4.5	30	5.2	13	28	12	2.7	47	3.1	4.4	.75
18	.46	3.6	66	5.0	11	33	13	2.7	96	3.2	3.7	.66
19	.95	2.8	28	5.3	9.3	29	13	2.6	39	3.0	3.2	.62
20	.80	2.4	20	8.1	8.9	27	11	2.4	23	2.6	4.2	.56
21	.68	2.1	15	8.2	10	29	11	2.2	16	2.4	4.3	.83
22	.65	1.8	12	6.9	9.3	112	11	2.9	14	2.2	3.5	1.1
23	.63	1.6	11	5.7	8.7	92	10	4.5	14	2.0	2.9	.80
24	.67	1.4	9.3	5.2	7.9	56	9.6	7.3	12	2.0	2.5	.69
25	.69	1.2	8.4	5.0	8.0	43	8.9	8.8	10	1.9	2.3	.94
26	.72	2.0	7.0	4.8	15	34	8.4	6.2	8.6	2.0	2.0	1.2
27	.72	5.9	6.3	4.6	15	30	8.1	31	7.0	2.1	2.1	.78
28	.71	6.0	6.1	4.5	13	26	7.7	17	5.8	1.9	2.6	.68
29	.66	4.9	5.6	4.2	---	22	7.2	14	5.0	1.7	2.1	.63
30	.68	4.3	5.8	5.1	---	65	6.9	32	4.6	1.7	1.8	.62
31	1.2	---	6.6	10	---	90	---	12	---	1.7	1.5	---
TOTAL	17.65	91.2	286.9	165.2	287.9	916.3	543.8	216.8	467.9	115.4	126.9	26.61
MEAN	.57	3.04	9.25	5.33	10.3	29.6	18.1	6.99	15.6	3.72	4.09	.89
MAX	1.2	6.5	66	10	17	112	48	32	96	11	23	1.5
MIN	.37	1.2	2.2	4.0	6.9	7.8	6.9	2.2	3.7	1.7	1.4	.56
CFSM	.11	.61	1.87	1.07	2.07	5.96	3.65	1.41	3.14	.75	.83	.18
IN.	.13	.68	2.15	1.24	2.16	6.87	4.08	1.63	3.51	.87	.95	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	4.47	7.78	11.9	16.7	16.6	22.0	19.2	12.1	8.68	3.13	1.45	1.69
MAX	15.7	14.4	33.6	23.9	22.4	29.6	30.2	23.5	21.1	11.0	4.09	4.59
(WY)	1997	1996	1997	1996	1998	2001	1997	1998	1998	2001	1999	
MIN	.51	3.04	3.08	5.33	10.3	16.2	9.40	6.99	1.87	.58	.11	.21
(WY)	1998	2001	1999	2001	2001	1995	1999	2001	1999	1995	1999	1995

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1994 - 2001

ANNUAL TOTAL	3056.15	3262.56	10.5
ANNUAL MEAN	8.35	8.94	14.1
HIGHEST ANNUAL MEAN			7.17
LOWEST ANNUAL MEAN			
HIGHEST DAILY MEAN	72	Apr 22	117
LOWEST DAILY MEAN	.37	Oct 14	.00
ANNUAL SEVEN-DAY MINIMUM	.40	Oct 10	.01
MAXIMUM PEAK FLOW			180
MAXIMUM PEAK STAGE			2.48
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (CFSM)	1.68	1.80	2.11
ANNUAL RUNOFF (INCHES)	22.92	24.47	28.64
10 PERCENT EXCEEDS	19	22	24
50 PERCENT EXCEEDS	5.7	4.8	6.3
90 PERCENT EXCEEDS	.64	.72	.58

PAWTUXET RIVER BASIN

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01115098 PEEPTOAD BROOK AT ELMDALE ROAD NEAR NORTH SCITUATE, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2000 to May 2001.
 WATER TEMPERATURE: January 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since January 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 185 $\mu\text{S}/\text{cm}$, Mar. 13; minimum, 92 $\mu\text{S}/\text{cm}$, Mar. 20.
 WATER TEMPERATURE: Maximum recorded, 24.1°C, May 4; minimum, 0.2°C, on many days during winter period.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE ($\mu\text{/CM AT } 25^\circ\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	122	121	121	117	116	117	150	147	148	133	131	132
2	122	120	121	118	117	117	153	150	151	132	131	132
3	123	121	122	118	117	118	159	153	156	133	132	132
4	123	121	122	118	118	118	162	158	160	134	132	133
5	124	122	123	118	117	117	162	160	161	134	132	133
6	122	120	121	118	116	117	162	160	161	134	130	132
7	122	120	121	118	116	117	164	161	162	131	129	130
8	121	120	121	118	117	118	168	163	165	130	129	130
9	122	119	120	118	118	118	172	168	170	132	130	131
10	119	118	119	118	107	112	173	172	172	132	130	131
11	120	118	119	116	113	114	172	171	172	131	129	130
12	121	119	120	122	114	118	172	166	169	131	129	130
13	122	121	121	121	119	120	169	166	167	131	129	130
14	124	121	122	121	117	119	169	165	167	132	130	131
15	124	122	123	128	121	125	166	163	164	133	130	131
16	126	123	125	131	128	129	169	164	168	131	128	130
17	123	120	121	136	131	133	165	121	152	134	128	132
18	122	118	121	137	136	136	160	120	143	139	134	137
19	120	117	118	140	137	138	160	150	155	157	139	143
20	121	119	120	142	138	140	150	142	148	143	142	143
21	122	120	121	146	142	143	146	142	144	144	139	142
22	121	119	120	152	146	150	144	142	143	139	135	137
23	120	118	119	157	152	155	144	140	142	137	135	136
24	121	120	121	158	155	157	145	141	142	137	135	136
25	122	120	121	156	154	155	144	141	142	137	135	136
26	122	120	121	156	152	154	147	140	144	136	134	135
27	123	121	122	153	142	148	148	142	144	135	133	134
28	122	118	120	149	143	146	148	142	145	135	133	134
29	118	116	117	147	144	146	149	143	145	136	133	135
30	118	116	117	147	144	146	144	140	142	153	134	139
31	117	115	116	---	---	---	140	133	136	155	135	146
MONTH	126	115	121	158	107	131	173	120	154	157	128	134

PAWTUXET RIVER BASIN

01115098 PEEPTOAD BROOK AT ELMDALE ROAD NEAR NORTH SCITUATE, RI--Continued

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL			
1	154	148	150	161	160	160	105	102	104	141	137	139
2	150	149	149	160	157	158	110	102	107	---	---	---
3	150	149	149	158	156	157	110	102	107	---	---	---
4	149	146	148	158	156	157	107	102	105	---	---	---
5	147	144	146	158	150	155	111	104	107	---	---	---
6	145	136	141	150	144	147	106	102	104	144	140	142
7	138	134	136	146	144	145	108	104	106	144	142	143
8	156	138	148	152	146	149	109	104	106	145	142	144
9	160	156	158	158	152	155	120	106	112	147	143	144
10	166	159	163	166	155	158	124	115	119	---	---	---
11	164	154	158	166	160	162	125	117	121	---	---	---
12	156	153	154	176	166	170	138	117	121	---	---	---
13	157	155	156	185	155	168	136	118	123	---	---	---
14	160	157	158	168	151	158	137	123	126	---	---	---
15	162	158	160	174	168	170	132	124	127	146	145	145
16	161	156	158	174	168	172	131	125	128	145	143	143
17	158	156	157	168	162	166	130	125	127	---	---	---
18	161	157	159	164	162	163	135	124	129	---	---	---
19	162	158	160	165	158	162	135	128	130	---	---	---
20	162	160	161	158	148	153	131	127	129	---	---	---
21	162	156	160	150	136	147	135	129	131	---	---	---
22	156	151	154	136	93	113	139	131	136	---	---	---
23	151	146	148	106	96	99	142	135	137	---	---	---
24	151	148	150	120	93	99	144	136	140	---	---	---
25	178	151	156	104	97	100	143	138	139	---	---	---
MONTH	178	134	154	185	92	141	144	102	124	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER			
1	14.8	12.9	13.9	8.5	7.7	8.1	3.5	3.1	3.3	0.4	0.3	0.4
2	16.1	13.8	14.7	9.3	7.7	8.7	3.5	3.1	3.3	.3	.2	.3
3	17.4	14.6	15.7	9.4	8.6	9.0	3.8	3.4	3.7	.3	.2	.3
4	17.1	15.4	16.0	9.5	8.5	9.0	4.1	3.6	3.8	.3	.2	.3
5	16.1	15.0	15.5	9.1	7.9	8.7	4.1	3.5	3.8	.3	.2	.3
6	15.2	14.8	15.0	8.7	7.6	8.1	3.8	3.5	3.6	.3	.2	.3
7	15.2	13.9	14.5	8.7	7.4	8.2	4.0	3.7	3.8	.3	.2	.3
8	14.6	12.9	13.5	9.1	8.0	8.6	3.7	3.1	3.5	.3	.2	.3
9	13.2	11.3	12.0	9.2	8.0	8.7	3.1	2.5	2.8	.4	.3	.4
10	11.4	10.6	11.1	9.0	8.6	8.8	2.7	2.3	2.5	.5	.4	.5
11	12.0	10.7	11.4	9.0	8.8	8.9	2.4	2.1	2.3	.5	.3	.4
12	12.8	10.4	11.7	9.6	8.8	9.2	2.2	1.9	2.0	.4	.2	.3
13	13.2	11.1	12.1	9.1	8.8	9.0	2.6	1.9	2.3	.3	.2	.3
14	13.4	12.1	12.9	8.9	8.3	8.8	2.6	2.1	2.5	.3	.2	.3
15	15.4	12.9	14.2	8.4	7.8	8.1	2.4	2.0	2.2	.4	.2	.3
16	14.3	11.8	13.0	8.0	7.4	7.7	2.2	1.9	2.1	.4	.3	.4
17	12.3	11.5	12.0	7.9	6.7	7.4	4.8	2.0	2.9	.7	.4	.6
18	12.6	12.0	12.3	6.9	6.2	6.6	4.8	2.6	3.7	1.0	.7	.9
19	12.8	11.6	12.3	6.5	5.3	6.0	2.8	2.3	2.6	.9	.8	.9
20	12.6	11.2	11.9	5.8	4.7	5.3	2.5	1.4	2.1	1.0	.9	1.0
21	12.7	11.6	12.2	4.9	4.1	4.6	2.0	1.3	1.7	.9	.4	.7
22	12.2	10.5	11.5	4.1	2.2	3.2	1.6	1.4	1.5	.4	.1	.3
23	11.3	10.1	10.7	2.6	2.0	2.3	1.5	.9	1.2	.2	.1	.2
24	11.8	10.1	11.0	3.3	2.3	2.8	1.3	.8	1.1	.2	.1	.2
25	12.1	11.0	11.5	3.7	3.2	3.5	1.3	.8	1.1	.2	.1	.2
26	12.6	10.8	11.9	3.7	2.8	3.4	1.2	.7	1.0	.2	.1	.2
27	12.7	11.8	12.3	2.9	2.6	2.8	1.2	.8	1.0	.3	.2	.2
28	12.4	9.2	11.3	3.7	2.8	3.4	1.2	.8	1.0	.3	.2	.3
29	9.2	7.7	8.5	4.2	3.7	4.1	1.3	.8	1.1	.4	.3	.4
30	8.4	7.6	8.0	4.1	3.3	3.8	1.0	.7	.9	.5	.4	.5
31	8.3	7.8	8.1	---	---	---	.7	.4	.5	.9	.4	.7
MONTH	17.4	7.6	12.3	9.6	2.0	6.6	4.8	.4	2.3	1.0	.1	.4

PAWTUXET RIVER BASIN

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01115098 PEEPTOAD BROOK AT ELMDALE ROAD NEAR NORTH SCITUATE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.1	0.9	1.0	2.0	1.5	1.7	4.3	3.8	4.0	19.1	15.0	17.4
2	1.2	1.0	1.1	1.8	1.2	1.4	4.2	3.6	3.9	22.2	17.0	19.8
3	1.3	1.0	1.2	1.7	1.5	1.6	5.7	3.9	4.8	22.8	19.0	21.1
4	1.1	.8	1.0	1.9	1.6	1.7	7.4	4.9	6.2	24.1	20.4	22.4
5	.8	.7	.7	1.9	.9	1.4	8.7	5.8	7.4	22.1	18.8	21.0
6	.7	.2	.5	.9	.3	.5	7.7	7.0	7.4	20.1	16.8	18.7
7	.3	.2	.3	.3	.2	.2	8.5	6.7	7.7	18.3	16.0	17.2
8	.7	.3	.6	.6	.3	.4	7.4	5.9	6.7	18.4	15.7	17.2
9	1.2	.7	1.0	1.0	.6	.8	10.6	5.7	8.4	19.8	16.2	18.3
10	2.2	1.2	1.8	1.4	.9	1.0	13.2	9.9	11.4	22.0	17.2	19.8
11	1.5	.5	.8	2.0	1.1	1.4	11.2	9.8	10.6	22.9	18.6	20.8
12	.5	.4	.5	2.7	1.6	2.0	10.5	9.3	9.8	23.2	20.0	21.7
13	.7	.5	.6	2.7	.9	2.0	11.2	9.1	9.7	21.3	19.1	20.4
14	1.2	.7	1.0	1.9	.7	1.2	11.3	8.9	10.1	19.5	17.8	18.9
15	2.1	1.2	1.9	2.7	1.4	1.8	12.2	10.1	11.3	17.8	15.9	16.8
16	2.1	1.4	1.7	3.5	2.3	2.8	13.7	11.0	12.2	15.9	14.6	15.2
17	1.8	1.4	1.7	3.9	2.9	3.3	11.9	10.6	11.3	---	---	---
18	1.4	1.0	1.1	3.7	2.8	3.2	10.6	9.3	9.9	---	---	---
19	1.1	.9	1.0	3.9	2.5	3.1	11.1	9.1	10.0	---	---	---
20	1.6	1.0	1.4	4.2	3.2	3.7	12.4	9.1	10.9	---	---	---
21	2.6	1.6	2.3	4.1	3.6	3.8	14.2	10.9	12.7	---	---	---
22	2.3	1.4	1.7	3.6	2.3	2.7	18.5	13.5	16.1	---	---	---
23	1.4	.8	1.0	3.5	2.2	2.9	19.0	15.9	17.4	---	---	---
24	1.3	1.0	1.1	4.3	2.6	3.5	21.3	16.4	18.7	---	---	---
25	1.5	1.2	1.3	4.5	2.9	3.8	17.6	14.1	15.6	---	---	---
26	2.2	1.3	1.9	4.2	2.8	3.8	15.7	13.4	14.5	---	---	---
27	2.2	1.5	1.8	4.0	2.3	3.3	16.6	12.9	14.6	---	---	---
28	2.3	1.9	2.1	4.7	3.0	4.0	15.4	13.6	14.4	---	---	---
29	---	---	---	4.7	4.2	4.4	16.1	13.2	14.6	---	---	---
30	---	---	---	4.7	3.3	4.0	16.5	13.4	15.2	---	---	---
31	---	---	---	4.5	3.2	4.0	---	---	---	---	---	---
MONTH	2.6	.2	1.2	4.7	.2	2.4	21.3	3.6	10.9	---	---	---

PAWTUXET RIVER BASIN

01115110 HUNTINGHOUSE BROOK AT ELMDALE RD AT NORTH SCITUATE, RI

LOCATION.--Lat 41°50'48", long 71°36'44", Providence County, Hydrologic Unit 01090004, on right bank 1,000 ft downstream from bridge on Elmdale Road, and 1.6 mi northwest of North Scituate

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2000 to May 2001.

WATER TEMPERATURE: January 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since January 2000.

REMARKS.--Records good for temperature, fair for specific conductance.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 117 µS/cm, Dec. 15; minimum, 17 µS/cm, Mar. 22.

WATER TEMPERATURE: Maximum recorded, 20.9°C, May 4; minimum, -0.3°C, Nov. 23.

WATER-QUALITY DATA, OCTOBER TO MAY 2001

SPECIFIC CONDUCTANCE (µS/CM at 25°C), OCTOBER TO MAY 2001

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	68	66	67	65	63	64	60	57	58	60	48	55			
2	68	66	67	72	65	68	57	47	52	50	46	47			
3	68	66	67	74	71	73	51	48	49	47	46	46			
4	68	66	67	71	67	68	54	50	52	48	46	47			
5	69	67	68	69	67	69	54	50	52	47	46	46			
6	68	66	67	68	64	66	53	50	51	46	44	45			
7	67	65	66	65	63	64	53	48	50	53	44	47			
8	66	64	65	66	65	65	48	46	47	50	46	48			
9	66	64	65	68	66	67	46	44	45	46	44	45			
10	65	64	65	69	57	66	47	45	46	59	44	50			
11	66	65	65	65	62	64	47	44	45	51	45	47			
12	68	65	67	66	64	65	62	44	54	46	44	45			
13	68	66	67	66	62	63	54	51	52	46	45	46			
14	73	67	70	63	57	62	51	46	49	46	44	45			
15	77	72	75	61	57	58	117	51	76	45	43	44			
16	77	75	76	60	58	58	61	54	58	53	44	47			
17	76	74	75	59	58	59	54	36	45	49	44	47			
18	79	65	76	60	59	59	42	36	39	46	43	45			
19	74	64	69	61	59	60	44	40	42	45	41	43			
20	75	72	74	61	60	61	44	40	43	58	43	48			
21	78	74	76	62	59	61	43	40	41	47	42	44			
22	75	70	73	59	55	58	45	41	42	45	42	43			
23	70	69	69	55	50	52	44	39	41	47	42	44			
24	71	68	69	54	49	51	43	42	42	43	41	42			
25	82	71	76	56	52	54	44	41	42	42	40	41			
26	86	81	83	56	48	53	46	43	45	41	40	41			
27	81	76	79	64	50	59	47	45	46	41	39	40			
28	76	65	70	60	56	58	46	45	45	40	39	39			
29	67	65	65	58	57	57	48	46	47	41	39	40			
30	67	65	66	58	56	57	47	45	46	41	37	40			
31	66	62	64	---	---	---	48	44	45	46	37	41			
MONTH	86	62	70	74	48	61	117	36	48	60	37	45			

PAWTUXET RIVER BASIN

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01115110 HUNTINGHOUSE BROOK AT ELMDALE RD AT NORTH SCITUATE, RI--Continued

SPECIFIC CONDUCTANCE ($\mu\text{S}/\text{CM}$ at 25°C), OCTOBER TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	40	38	39	45	39	41	55	29	35	52	48	50
2	39	37	38	44	40	41	56	31	38	50	45	48
3	39	37	38	50	41	46	57	54	56	50	42	47
4	41	38	39	52	44	48	56	52	55	46	40	44
5	40	38	39	46	39	41	56	37	50	41	40	41
6	39	37	38	43	39	41	50	36	38	43	40	42
7	58	39	46	49	43	45	48	36	38	46	41	43
8	43	40	41	48	42	44	45	34	37	46	40	43
9	68	40	46	44	41	43	42	37	40	47	42	44
10	50	42	45	47	40	43	50	41	45	51	43	48
11	44	40	43	59	40	51	49	44	47	44	40	42
12	44	41	42	55	44	50	49	41	46	46	42	44
13	43	40	41	51	40	45	43	40	41	56	44	46
14	44	40	42	45	39	42	51	41	48	50	43	46
15	50	43	47	51	39	45	50	46	48	46	44	45
16	50	44	47	47	42	45	52	39	48	48	45	46
17	60	45	50	45	42	44	51	49	50	---	---	---
18	47	42	45	45	41	43	50	45	49	---	---	---
19	45	42	44	44	42	43	52	50	51	---	---	---
20	49	43	46	44	41	42	52	50	51	---	---	---
21	51	43	47	43	38	42	53	51	52	---	---	---
22	45	41	43	39	17	22	52	51	51	---	---	---
23	45	42	43	28	23	25	52	45	49	---	---	---
24	59	41	49	30	27	29	51	41	45	---	---	---
25	48	44	45	33	30	31	43	40	42	---	---	---
26	55	42	49	34	32	33	47	41	44	---	---	---
27	49	42	45	38	32	34	50	42	46	---	---	---
28	47	40	44	38	36	37	49	45	48	---	---	---
29	---	---	---	37	36	37	51	47	49	---	---	---
30	---	---	---	37	22	30	51	46	49	---	---	---
31	---	---	---	48	23	26	---	---	---	---	---	---
MONTH	68	37	44	59	17	40	57	29	46	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER TO MAY 2001

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11.2	8.3	9.7	7.9	6.5	7.2	2.9	1.5	2.2	0.0	0.0	0.0
2	12.2	9.7	10.9	8.8	6.9	7.9	1.5	-.2	.5	.1	.0	.1
3	13.4	10.7	12.1	9.1	7.5	8.4	-.1	-.2	-.2	.2	.1	.1
4	13.7	11.4	12.6	8.8	7.1	8.0	.1	-.2	-.1	.2	.1	.1
5	12.8	12.4	12.5	8.3	7.3	7.8	.1	-.2	-.1	.2	.1	.1
6	13.1	12.4	12.7	7.4	6.2	6.9	.0	-.2	-.2	.2	.1	.1
7	12.8	11.1	11.9	7.0	5.3	6.3	.0	-.2	-.2	.2	.1	.1
8	11.1	8.6	9.7	7.6	5.5	6.7	-.1	-.1	-.1	.2	.1	.1
9	8.6	7.2	7.8	8.3	5.8	7.2	.0	-.1	-.1	.1	.1	.1
10	7.8	6.4	7.0	9.1	8.2	8.5	.0	-.1	-.1	.1	.1	.1
11	9.3	6.7	7.8	9.3	8.9	9.1	.0	-.1	-.1	.2	.1	.1
12	9.7	6.3	8.0	9.8	8.7	9.2	.2	-.2	-.2	.2	.1	.1
13	10.6	7.2	8.9	8.7	8.2	8.4	-.1	-.1	-.1	.2	.1	.1
14	12.4	8.9	10.4	8.8	8.2	8.5	.0	-.1	-.1	.2	.1	.1
15	13.6	10.6	11.9	8.6	6.4	7.4	-.1	-.2	-.1	.2	.1	.2
16	12.1	9.6	10.8	6.5	5.6	6.2	.0	-.1	-.1	.2	.2	.2
17	10.8	9.1	9.9	7.2	5.7	6.6	7.8	.0	3.5	.2	.2	.2
18	11.3	10.0	10.6	5.7	4.2	4.9	7.7	2.5	4.6	.2	.2	.2
19	11.8	10.3	11.0	4.8	3.2	4.2	2.5	1.3	2.0	.2	.2	.2
20	10.3	8.4	9.5	3.4	2.2	2.8	2.4	.8	1.8	.2	.2	.2
21	11.7	9.0	10.3	2.7	1.7	2.3	.8	.0	.4	.2	.2	.2
22	11.3	8.3	10.0	1.9	.6	1.2	1.2	.5	.8	.2	.2	.2
23	8.3	6.2	7.5	.6	-.3	.1	.5	.0	.0	.2	.2	.2
24	8.9	6.5	7.8	.1	-.2	-.1	.1	.0	.0	.2	.2	.2
25	10.1	7.8	9.0	.1	-.2	-.1	.0	.0	.0	.2	.2	.2
26	10.6	7.9	9.5	.4	-.2	.0	.1	.0	.0	.2	.2	.2
27	11.3	9.2	10.3	3.6	.4	2.4	.1	.0	.1	.2	.2	.2
28	11.1	7.7	10.0	4.9	3.5	4.2	.2	.0	.0	.4	.2	.3
29	7.7	4.6	5.7	4.5	3.5	3.9	.1	.0	.0	.4	.3	.3
30	5.6	4.1	4.9	3.8	2.9	3.4	.1	.0	.0	.3	.3	.3
31	6.8	5.3	6.2	---	---	---	.0	.0	.0	.3	.3	.3
MONTH	13.7	4.1	9.6	9.8	-.3	5.3	7.8	-.2	.5	.4	.0	.2

PAWTUXET RIVER BASIN

01115110 HUNTINGHOUSE BROOK AT ELMDALE RD AT NORTH SCITUATE, RI--Continued

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.3	0.2	0.3	1.4	0.4	0.7	4.8	4.0	4.4	17.8	12.3	15.1
2	.3	.3	.3	1.1	.3	.6	5.2	3.3	4.3	19.5	13.6	16.6
3	.3	.2	.3	1.9	.5	1.2	7.2	3.1	5.1	20.2	15.6	18.1
4	.3	.3	.3	2.0	.8	1.4	8.2	4.3	6.2	20.9	16.8	18.9
5	.3	.3	.3	1.3	.4	.5	9.5	4.8	7.1	19.2	15.5	17.6
6	.3	.3	.3	.5	.4	.4	7.7	5.8	6.7	15.6	12.4	14.2
7	.3	.3	.3	.5	.4	.4	9.0	6.0	7.3	14.5	9.2	12.1
8	.4	.3	.3	.7	.4	.5	7.7	5.6	6.1	15.5	9.9	12.8
9	.3	.3	.3	.8	.4	.5	12.0	5.4	8.4	16.7	11.1	14.0
10	.9	.3	.5	1.2	.4	.7	12.5	9.6	11.0	17.5	12.3	15.1
11	.4	.4	.4	2.2	.4	1.1	10.8	8.1	9.7	18.7	13.8	16.3
12	.4	.4	.4	3.2	.4	1.7	9.4	8.5	8.9	19.8	15.8	17.8
13	.5	.4	.4	1.9	.4	1.1	10.8	8.2	9.3	17.8	15.1	16.4
14	.8	.4	.6	1.8	.4	1.0	12.2	7.9	10.0	15.1	12.3	13.8
15	1.8	.8	1.3	3.4	.5	2.0	12.3	7.9	10.2	13.3	11.5	12.4
16	1.5	.3	.9	4.8	1.3	3.1	12.2	8.9	10.6	12.3	11.1	11.6
17	1.9	.4	1.3	5.4	1.9	3.5	10.4	8.1	9.2	---	---	---
18	.5	.4	.4	4.1	2.3	3.2	9.2	7.5	8.4	---	---	---
19	.6	.4	.5	5.8	1.8	3.7	10.5	5.7	8.1	---	---	---
20	2.1	.5	1.3	6.7	2.3	4.5	11.6	6.3	9.1	---	---	---
21	2.9	.6	1.9	5.0	3.2	4.2	13.3	9.8	11.4	---	---	---
22	.6	.3	.4	4.0	1.6	2.6	17.0	11.7	14.2	---	---	---
23	.8	.4	.5	4.8	2.9	3.8	17.6	13.4	15.4	---	---	---
24	1.0	.4	.6	5.9	3.1	4.5	18.7	13.4	16.1	---	---	---
25	.8	.4	.5	6.1	2.7	4.4	16.4	11.6	13.4	---	---	---
26	1.8	.7	1.1	4.4	2.6	3.4	13.6	9.1	11.4	---	---	---
27	2.6	.4	1.4	4.9	1.5	3.2	14.3	9.0	11.7	---	---	---
28	2.2	.5	1.3	6.2	2.2	4.2	14.9	10.8	12.8	---	---	---
29	---	---	---	5.6	3.0	4.4	13.9	8.8	11.5	---	---	---
30	---	---	---	5.0	3.4	3.9	14.9	9.1	12.2	---	---	---
31	---	---	---	5.2	3.1	4.2	---	---	---	---	---	---
MONTH	2.9	.2	.7	6.7	.3	2.4	18.7	3.1	9.7	---	---	---

PAWTUXET RIVER BASIN

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01115170 MOSWANSICUT STREAM NEAR NORTH SCITUATE, RI

LOCATION.--Lat 41°50'27", long 71°35'06", Providence County, Hydrologic Unit 01090004, on left bank 50 ft downstream from bridge on State Route 116, and 0.6 mi northeast of North Scituate.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 2000 to May 2001.

WATER TEMPERATURE: March to 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since March 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 249 µS/cm, Dec. 1; minimum, 43 µS/cm, May 6.

WATER TEMPERATURE: Maximum recorded, 23.2°C, May 3; minimum, 1.8°C, Feb. 24, 25.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE ($\mu\text{S}/\text{cm}$ AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	131	130	131	161	154	158	249	118	123	---	---	---
2	132	130	131	172	160	167	127	124	125	---	---	---
3	132	131	131	176	172	173	128	125	127	---	---	---
4	132	131	132	179	171	175	128	125	127	---	---	---
5	135	132	133	178	174	176	128	125	127	---	---	---
6	135	132	133	179	174	176	128	127	128	---	---	---
7	133	131	132	184	176	180	---	---	---	---	---	---
8	136	131	134	189	181	185	---	---	---	---	---	---
9	136	134	135	193	185	189	---	---	---	---	---	---
10	140	136	138	188	133	161	---	---	---	---	---	---
11	139	136	138	133	125	128	---	---	---	---	---	---
12	144	135	139	135	130	133	---	---	---	---	---	---
13	148	144	146	134	121	125	---	---	---	---	---	---
14	151	147	149	124	122	123	---	---	---	---	---	---
15	157	150	152	123	120	122	---	---	---	---	---	---
16	162	157	161	121	119	120	---	---	---	---	---	---
17	164	161	163	123	120	122	---	---	---	---	---	---
18	168	162	163	124	123	124	---	---	---	---	---	---
19	172	163	167	125	124	124	---	---	---	---	---	---
20	177	163	171	126	124	125	---	---	---	---	---	---
21	179	176	177	125	124	124	---	---	---	---	---	---
22	181	172	177	126	125	125	---	---	---	---	---	---
23	174	169	172	128	126	127	---	---	---	---	---	---
24	170	165	167	131	128	129	---	---	---	---	---	---
25	170	163	165	133	128	131	---	---	---	---	---	---
26	168	161	164	131	119	128	---	---	---	---	---	---
27	167	165	166	119	114	116	---	---	---	---	---	---
28	166	156	163	117	116	116	---	---	---	---	---	---
29	156	150	152	117	116	117	---	---	---	---	---	---
30	150	147	149	118	117	118	---	---	---	---	---	---
31	155	150	153	---	---	---	---	---	---	---	---	---
MONTH	181	130	151	193	114	141	---	---	---	---	---	---

PAWTUXET RIVER BASIN

01115170 MOSWANSICUT STREAM NEAR NORTH SCITUATE, RI--Continued

SPECIFIC CONDUCTANCE ($\mu\text{/CM}$ AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	131	130	131	121	114	117	171	164	167
2	---	---	---	130	129	129	121	117	119	175	167	171
3	---	---	---	129	128	129	122	117	120	186	171	176
4	---	---	---	129	128	129	122	118	120	190	173	183
5	---	---	---	132	128	129	128	103	122	200	49	139
6	---	---	---	131	128	129	129	127	128	49	40	43
7	---	---	---	130	129	129	132	127	130	175	37	99
8	---	---	---	129	124	127	134	127	129	142	140	141
9	---	---	---	124	121	124	129	125	127	144	141	142
10	---	---	---	123	120	121	130	124	127	145	142	143
11	---	---	---	127	123	125	129	126	127	146	144	144
12	---	---	---	126	125	125	128	126	127	146	144	145
13	---	---	---	135	125	127	129	126	128	148	144	145
14	---	---	---	125	123	124	129	126	127	150	143	146
15	---	---	---	125	122	123	130	126	128	144	143	143
16	---	---	---	196	122	139	132	128	129	145	142	143
17	---	---	---	206	121	148	132	128	129	---	---	---
18	---	---	---	121	119	120	132	129	130	---	---	---
19	---	---	---	120	118	119	132	128	129	---	---	---
20	---	---	---	120	118	119	132	128	130	---	---	---
21	---	---	---	119	115	118	135	130	131	---	---	---
22	---	---	---	115	94	100	134	131	132	---	---	---
23	132	131	131	102	99	100	136	133	135	---	---	---
24	132	131	131	99	95	97	136	134	135	---	---	---
25	149	131	133	104	99	102	137	135	136	---	---	---
26	132	131	132	102	98	101	139	135	137	---	---	---
27	132	131	131	101	97	98	140	135	137	---	---	---
28	132	130	131	104	101	103	138	135	137	---	---	---
29	---	---	---	110	104	107	138	134	136	---	---	---
30	---	---	---	115	90	104	166	136	147	---	---	---
31	---	---	---	119	108	114	---	---	---	---	---	---
MONTH	---	---	---	206	90	119	166	103	130	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.4	14.3	15.8	11.7	9.6	10.4	6.3	4.7	5.2	---	---	---
2	18.1	14.8	16.3	12.8	9.3	11.0	5.0	3.7	4.3	---	---	---
3	18.3	15.5	16.9	12.4	9.6	11.0	4.3	3.4	3.7	---	---	---
4	17.9	15.4	16.7	13.0	9.4	10.9	4.7	3.3	3.8	---	---	---
5	16.6	16.0	16.3	11.2	9.5	10.4	4.6	3.2	3.8	---	---	---
6	17.0	16.0	16.4	11.1	8.4	9.5	3.6	2.7	3.1	---	---	---
7	16.3	14.3	15.4	11.5	8.0	9.6	---	---	---	---	---	---
8	15.0	12.8	13.9	12.2	8.8	10.3	---	---	---	---	---	---
9	13.3	12.1	12.8	12.3	8.7	10.6	---	---	---	---	---	---
10	13.1	11.5	12.3	11.2	10.3	10.7	---	---	---	---	---	---
11	14.3	11.9	13.0	10.6	10.3	10.4	---	---	---	---	---	---
12	14.6	11.3	13.0	11.1	10.1	10.5	---	---	---	---	---	---
13	15.1	12.0	13.6	10.4	10.1	10.3	---	---	---	---	---	---
14	16.2	13.5	14.6	10.4	10.1	10.2	---	---	---	---	---	---
15	16.6	14.2	15.3	10.2	9.2	9.7	---	---	---	---	---	---
16	15.0	12.4	13.6	9.9	9.0	9.4	---	---	---	---	---	---
17	14.1	12.2	13.1	9.9	8.4	9.3	---	---	---	---	---	---
18	14.8	13.0	13.7	9.2	8.1	8.5	---	---	---	---	---	---
19	14.9	12.4	13.5	8.9	7.7	8.3	---	---	---	---	---	---
20	14.4	11.2	12.6	8.7	7.2	7.8	---	---	---	---	---	---
21	15.5	12.1	13.7	8.2	6.7	7.3	---	---	---	---	---	---
22	14.1	11.1	12.7	7.1	5.9	6.4	---	---	---	---	---	---
23	13.3	9.9	11.5	6.2	4.8	5.5	---	---	---	---	---	---
24	14.4	10.9	12.4	5.4	4.0	4.6	---	---	---	---	---	---
25	15.0	11.9	13.2	5.4	3.2	4.3	---	---	---	---	---	---
26	15.6	11.7	13.4	6.1	4.3	5.3	---	---	---	---	---	---
27	15.6	12.6	13.9	6.7	5.8	6.1	---	---	---	---	---	---
28	14.0	10.5	13.0	6.5	5.6	6.0	---	---	---	---	---	---
29	10.5	8.2	9.0	6.5	5.6	5.9	---	---	---	---	---	---
30	10.6	8.3	9.3	5.8	5.2	5.5	---	---	---	---	---	---
31	11.1	9.1	10.2	---	---	---	---	---	---	---	---	---
MONTH	18.3	8.2	13.6	13.0	3.2	8.5	---	---	---	---	---	---

PAWTUXET RIVER BASIN

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01115170 MOSWANSICUT STREAM NEAR NORTH SCITUATE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	2.6	2.1	2.4	4.4	3.5	3.9	21.9	12.5	16.7
2	---	---	---	2.6	2.5	2.5	4.6	3.2	3.8	23.1	13.1	17.6
3	---	---	---	2.7	2.5	2.5	6.0	3.7	4.6	23.2	15.2	18.9
4	---	---	---	2.6	2.3	2.5	7.6	3.9	5.3	22.8	16.1	19.4
5	---	---	---	2.4	1.8	2.2	10.6	4.7	6.2	19.4	11.8	16.4
6	---	---	---	2.2	2.0	2.2	6.4	5.2	5.7	13.5	4.1	9.4
7	---	---	---	2.3	2.1	2.2	8.5	5.1	6.4	19.5	.5	11.1
8	---	---	---	2.6	2.0	2.2	6.3	5.8	6.0	19.3	15.4	17.0
9	---	---	---	2.4	2.2	2.3	8.7	5.7	6.9	21.2	15.7	17.9
10	---	---	---	2.4	2.2	2.3	11.2	7.3	8.7	22.0	16.6	19.0
11	---	---	---	2.5	2.1	2.2	9.9	6.7	8.0	22.0	18.3	20.1
12	---	---	---	2.6	2.1	2.3	9.2	7.3	8.0	22.3	18.9	20.1
13	---	---	---	2.4	2.2	2.3	9.2	7.5	8.6	22.1	18.3	19.8
14	---	---	---	2.6	2.2	2.3	11.0	7.2	8.7	20.4	17.7	18.9
15	---	---	---	2.8	2.3	2.6	11.6	8.0	9.5	18.5	16.3	17.5
16	---	---	---	3.3	2.5	2.9	12.8	8.5	10.1	16.3	14.2	14.9
17	---	---	---	3.7	2.9	3.2	11.7	8.3	10.0	---	---	---
18	---	---	---	3.7	3.2	3.4	11.0	8.8	9.8	---	---	---
19	---	---	---	4.2	3.3	3.7	11.3	8.4	9.5	---	---	---
20	---	---	---	4.4	3.6	4.0	11.9	8.1	9.7	---	---	---
21	---	---	---	4.2	3.9	4.1	13.1	9.7	10.8	---	---	---
22	---	---	---	4.0	3.5	3.6	12.8	10.7	11.6	---	---	---
23	2.0	1.7	1.9	4.3	3.5	4.0	17.1	11.6	13.7	---	---	---
24	2.1	1.7	1.8	4.9	4.0	4.5	16.2	12.9	14.2	---	---	---
25	1.9	1.5	1.8	5.7	4.5	5.0	14.7	13.2	13.9	---	---	---
26	2.1	1.8	1.9	4.8	4.2	4.4	17.4	12.7	14.3	---	---	---
27	2.5	1.8	2.1	4.8	4.0	4.4	17.6	12.1	14.3	---	---	---
28	2.5	2.0	2.2	5.2	4.1	4.6	17.1	13.0	14.6	---	---	---
29	---	---	---	5.1	4.2	4.6	16.8	12.5	14.3	---	---	---
30	---	---	---	4.2	1.1	3.1	19.6	12.6	15.6	---	---	---
31	---	---	---	5.1	3.5	4.2	---	---	---	---	---	---
MONTH	---	---	---	5.7	1.1	3.2	19.6	3.2	9.6	---	---	---

PAWTUXET RIVER BASIN

01115183 QUONAPAUQ BROOK AT RT 116, NORTH SCITUATE, RI

LOCATION.--Lat $41^{\circ}47'51''$, long $71^{\circ}24'53''$, Providence County, Hydrologic Unit 01090004, on left bank 200 ft downstream from bridge on Elmdale Road, and 2.4 mi south of North Scituate

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2000 to May 2001.

WATER TEMPERATURE: January 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since January 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,030 $\mu\text{S}/\text{cm}$, Dec. 14; minimum, 47 $\mu\text{S}/\text{cm}$, Mar. 21.WATER TEMPERATURE: Maximum recorded, 22.2°C , May 4; minimum, -0.2°C , Jan. 21, Feb. 4, 5

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE ($\mu\text{CM AT }25^{\circ}\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	156	150	153	133	128	130	167	116	121	96	93	94
2	159	152	155	207	128	130	118	106	112	98	94	95
3	162	155	158	131	129	130	124	109	113	96	95	95
4	213	150	160	133	130	131	125	110	115	104	94	95
5	162	154	158	131	130	131	121	107	112	96	93	95
6	157	150	153	133	130	131	116	110	113	93	91	92
7	150	146	148	134	131	132	120	112	115	116	92	94
8	147	144	145	133	132	133	118	111	114	124	93	94
9	149	146	146	134	132	133	118	112	115	106	92	95
10	150	147	148	133	75	107	124	116	119	124	92	97
11	152	148	150	122	111	114	118	110	112	125	93	98
12	154	150	152	123	113	116	118	104	111	119	93	96
13	156	151	154	118	115	116	126	113	117	124	95	100
14	162	155	159	120	99	110	1030	113	256	124	94	97
15	206	162	170	128	104	109	174	119	129	147	93	100
16	176	168	171	130	114	123	306	113	137	103	98	99
17	180	171	177	132	115	120	137	77	93	106	98	99
18	177	96	158	134	118	123	87	82	84	123	98	100
19	151	135	143	138	120	126	99	83	89	221	98	128
20	150	146	148	129	122	124	90	82	85	112	103	107
21	146	140	143	144	124	133	90	84	88	127	99	105
22	142	134	140	144	128	140	95	86	89	107	97	103
23	137	134	135	131	109	116	92	87	91	107	96	97
24	138	134	136	122	113	116	95	91	92	109	95	96
25	140	135	137	127	114	120	102	92	97	99	95	96
26	143	136	139	443	92	132	112	101	102	98	96	97
27	146	138	140	117	107	115	102	98	100	97	95	96
28	141	137	139	118	114	116	107	98	100	96	95	95
29	140	137	139	120	117	119	105	99	100	99	96	97
30	140	132	136	141	115	119	102	95	97	311	89	120
31	135	126	129	---	---	---	95	94	94	100	90	98
MONTH	213	96	149	443	75	123	1030	77	110	311	89	99

PAWTUXET RIVER BASIN

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01115183 QUONAPAUG BROOK AT RT 116, NORTH SCITUATE, RI--Continued

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	100	94	97	70	64	67	86	76	81	116	110	114
2	122	92	95	70	66	69	93	86	89	117	112	115
3	121	93	94	74	70	72	99	91	93	117	114	115
4	103	96	98	75	70	73	109	95	97	134	114	116
5	104	90	97	72	70	72	102	98	100	117	113	116
6	190	89	99	72	69	70	105	101	102	117	108	113
7	98	96	97	71	66	70	108	105	106	117	108	113
8	97	94	95	74	62	71	107	94	98	118	109	114
9	96	92	94	75	73	74	104	99	102	119	110	116
10	166	90	97	78	73	75	107	101	104	119	113	117
11	178	111	135	80	72	75	106	103	104	120	114	118
12	168	104	122	82	72	76	105	100	102	121	117	119
13	169	99	116	73	64	67	107	104	105	121	115	119
14	167	97	106	67	62	64	109	104	106	120	114	117
15	---	---	---	67	62	63	110	104	107	119	116	117
16	---	---	---	70	62	66	110	105	107	120	116	118
17	---	---	---	69	62	65	108	106	106	121	117	120
18	---	---	---	66	60	63	108	105	106	---	---	---
19	---	---	---	68	59	66	110	106	108	---	---	---
20	---	---	---	70	65	68	111	105	108	---	---	---
21	---	---	---	70	47	66	112	107	109	---	---	---
22	---	---	e69	52	36	41	115	108	113	---	---	---
23	71	65	70	58	39	52	120	112	117	---	---	---
24	74	62	71	65	58	61	116	112	114	---	---	---
25	73	67	71	71	65	68	114	108	112	---	---	---
26	73	63	67	74	71	73	116	107	111	---	---	---
27	67	61	64	78	69	76	114	107	111	---	---	---
28	68	62	64	111	77	101	114	107	111	---	---	---
29	---	---	---	134	108	111	114	107	110	---	---	---
30	---	---	---	138	71	94	114	107	112	---	---	---
31	---	---	---	76	68	70	---	---	---	---	---	---
MONTH	---	---	---	138	36	71	120	76	105	---	---	---

e Estimated

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12.6	8.9	10.9	8.9	6.8	7.9	3.1	0.9	2.0	-0.1	-0.2	-0.1
2	13.5	10.4	12.1	10.3	6.9	8.9	1.1	-.1	.4	-.1	-.2	-.1
3	14.7	11.1	13.1	10.2	7.1	8.5	.2	-.1	.0	-.1	-.1	-.1
4	14.2	11.5	13.2	10.4	7.1	8.7	.3	-.1	.0	-.1	-.1	-.1
5	13.1	12.7	12.8	8.7	6.4	7.9	.4	-.2	.0	-.1	-.1	-.1
6	13.8	12.2	13.2	8.4	5.6	7.0	.1	-.1	-.1	-.1	-.2	-.1
7	12.8	9.8	11.7	8.5	5.1	6.8	.2	-.1	.0	-.1	-.1	-.1
8	10.5	8.2	9.3	9.3	5.9	7.7	-.1	-.1	-.1	-.1	-.1	-.1
9	8.2	6.7	7.5	9.4	6.0	8.3	.0	-.2	-.1	-.1	-.2	-.1
10	8.0	6.4	7.3	9.4	8.8	9.1	.0	-.1	-.1	-.1	-.2	-.1
11	10.4	7.1	8.8	9.6	9.0	9.3	.1	-.1	.0	-.1	-.1	-.1
12	10.4	6.9	8.9	10.4	8.3	9.3	.5	-.2	.1	-.1	-.2	-.1
13	11.1	7.7	9.7	9.0	8.2	8.6	.1	-.2	-.1	-.1	-.2	-.1
14	13.2	9.6	11.6	9.2	7.4	8.8	.1	-.2	-.1	-.1	-.1	-.1
15	13.9	11.2	12.7	7.8	5.8	6.8	.0	-.2	-.1	-.1	-.2	-.1
16	12.3	9.6	10.9	7.0	5.4	6.4	1.8	-.1	.6	-.1	-.2	-.1
17	11.4	9.4	10.4	7.9	4.3	6.5	6.6	1.4	4.8	-.1	-.2	-.1
18	12.0	10.4	11.3	5.7	3.9	4.8	4.9	1.3	3.0	-.1	-.2	-.1
19	12.8	8.9	11.2	5.3	2.1	4.0	2.2	.9	1.7	.0	-.2	-.1
20	11.4	8.1	9.8	4.4	2.0	3.2	1.6	-.1	.8	-.1	-.2	-.1
21	13.3	9.4	11.6	3.8	1.4	2.6	.3	-.1	.1	-.1	-.2	-.2
22	11.6	6.9	9.7	2.5	.1	1.3	.5	-.2	.2	-.1	-.2	-.1
23	9.7	6.1	7.8	1.0	-.1	.3	.0	-.2	-.1	-.1	-.2	-.1
24	10.8	6.4	8.9	.3	-.1	.0	.1	-.2	-.1	-.1	-.2	-.1
25	12.0	8.2	10.1	.3	-.1	.0	.0	-.2	-.1	-.1	-.2	-.1
26	12.6	8.3	10.7	1.4	.0	.6	.0	-.2	-.1	-.1	-.2	-.1
27	12.8	9.7	11.4	4.1	1.4	3.4	.0	-.2	-.1	-.1	-.1	-.1
28	11.5	5.8	9.7	5.4	3.5	4.5	.0	-.2	-.1	-.1	-.2	-.1
29	5.8	4.0	5.0	4.7	3.1	3.8	-.1	-.1	-.1	-.1	-.2	-.1
30	6.2	3.9	5.4	3.9	2.1	3.2	-.1	-.2	-.1	-.1	-.2	-.1
31	7.6	6.0	7.0	---	---	---	-.1	-.1	-.1	-.1	-.2	-.1
MONTH	14.7	3.9	10.1	10.4	-.1	5.6	6.6	-.2	.4	.0	-.2	-.1

PAWTUXET RIVER BASIN

01115183 QUONAPAUG BROOK AT RT 116, NORTH SCITUATE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	-0.1	-0.2	-0.1	0.4	-0.2	0.0	4.5	2.8	3.8	19.9	10.7	15.0
2	.0	-.2	-.1	.1	-.1	-.1	4.7	2.6	3.7	21.0	11.8	16.5
3	-.1	-.2	-.1	.4	-.1	.1	6.9	2.2	4.8	21.8	13.6	17.7
4	.0	-.2	-.1	.3	-.2	.0	8.0	3.2	5.5	22.2	14.7	18.4
5	-.1	-.2	-.1	.0	-.2	-.1	9.7	3.5	6.6	18.0	11.4	15.6
6	-.1	-.2	-.1	-.1	-.2	-.1	6.8	4.8	6.0	17.0	7.7	12.5
7	-.1	-.2	-.1	-.1	-.2	-.1	8.9	5.2	6.8	16.8	7.2	11.6
8	-.1	-.2	-.1	.0	-.1	-.1	5.5	5.0	5.2	17.8	7.8	12.6
9	-.1	-.2	-.1	.0	-.1	-.1	12.2	5.1	9.3	18.7	9.3	13.8
10	.0	-.2	-.1	.3	-.2	.0	13.2	8.1	10.6	19.1	10.2	14.7
11	-.1	-.2	-.1	.6	-.2	.1	11.1	7.3	9.1	20.0	11.8	16.1
12	.0	-.2	-.1	.9	-.2	.2	8.9	7.9	8.4	20.9	13.8	17.0
13	.1	-.2	-.1	.2	-.1	.0	10.9	7.8	9.1	18.0	11.1	14.7
14	.0	-.2	-.1	.2	-.1	.0	13.0	7.2	9.9	14.8	10.3	12.6
15	---	---	---	.5	-.1	.1	13.3	6.8	10.1	12.9	10.3	11.6
16	---	---	---	1.2	-.1	.5	13.2	7.4	10.1	11.0	9.8	10.6
17	---	---	---	1.7	.2	.9	9.8	6.8	8.4	12.8	9.8	11.4
18	---	---	---	1.4	.2	.8	9.4	5.0	7.3	---	---	---
19	---	---	---	3.0	.1	1.7	11.4	4.4	7.7	---	---	---
20	---	---	---	4.3	.7	2.8	13.0	4.7	9.2	---	---	---
21	---	---	---	3.2	2.0	2.8	13.8	8.8	11.3	---	---	---
22	---	---	e-.1	2.5	1.6	1.9	18.4	10.6	14.5	---	---	---
23	.1	-.2	-.1	3.3	1.6	2.6	19.1	12.3	15.1	---	---	---
24	.1	-.1	.0	4.6	2.0	3.5	20.3	12.3	16.0	---	---	---
25	.0	-.2	-.1	5.5	2.0	3.8	13.0	8.6	11.5	---	---	---
26	.4	-.2	.0	3.5	.9	2.5	15.3	7.8	10.9	---	---	---
27	.4	-.2	.0	3.6	.6	2.3	16.1	7.9	11.9	---	---	---
28	.6	-.2	.0	6.1	1.4	3.7	16.3	7.4	11.7	---	---	---
29	---	---	---	5.4	1.9	4.0	15.6	6.7	10.8	---	---	---
30	---	---	---	3.6	3.0	3.4	16.9	7.1	12.6	---	---	---
31	---	---	---	5.0	3.0	4.3	---	---	---	---	---	---
MONTH	---	---	---	6.1	-.2	1.3	20.3	2.2	9.3	---	---	---

e Estimated

PAWTUXET RIVER BASIN

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01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI

LOCATION.--Lat 41°49'09", long 71°42'16", Providence County, Hydrologic Unit 01090004, on left bank 5 ft downstream from bridge on Rams Tail Road, 0.3 mi south of South Foster and 0.4 mi upstream from Barden Reservoir.

DRAINAGE AREA.--13.7 mi².

WATER DISCHARGE RECORD

PERIOD OF RECORD.--Discharge: March 1994 to current year.

Water-quality records: Water years, 2000, 2001.

GAGE.--Water-stage recorder. Elevation of gage is 355 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--7 years, 28.4 ft³/s, 28.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,110 ft³/s, June 17, 2001, gage height, 6.32 ft; maximum gage height, 6.37 ft, June 30, 1998; no flow part of each day, Sept. 8–13, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft³/s, June 17, gage height, 6.32 ft; minimum, 0.10 ft³/s, Aug. 29.

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	2.0	5.1	14	e18	e30	e27	143	15	20	8.7	0.87	2.7
2	1.7	5.5	13	e17	e26	23	98	14	94	7.6	.70	2.1
3	1.8	5.4	e11	e16	e23	21	73	13	113	6.8	.58	1.8
4	1.2	5.2	e10	e15	e21	19	61	12	48	6.4	.78	1.7
5	1.2	4.8	e9.3	e14	e18	26	53	11	29	7.9	1.2	1.7
6	1.8	4.7	e8.4	e14	e25	e70	50	10	21	8.2	1.1	1.7
7	1.7	4.4	e8.9	e13	e21	e31	55	9.5	17	6.9	1.0	1.4
8	1.6	4.4	e8.4	e13	e19	e20	119	8.7	15	6.1	.80	1.1
9	1.5	4.3	e8.0	e13	e17	20	118	8.7	12	6.1	.63	.89
10	1.4	11	e8.2	e12	e27	21	77	8.4	9.7	6.7	.79	.74
11	1.4	23	8.6	e12	e48	e20	56	7.6	9.3	21	2.1	.65
12	1.3	16	11	e12	e43	24	53	6.7	28	16	4.3	.53
13	1.3	12	e11	e11	e31	61	54	6.1	20	12	59	.46
14	1.3	12	13	e11	e24	80	46	5.4	15	8.8	41	.77
15	1.3	28	17	e13	30	61	38	5.1	12	7.3	17	1.4
16	1.2	20	15	e17	33	67	34	5.4	9.9	6.2	9.9	1.0
17	1.2	14	139	e15	35	84	31	5.9	329	5.6	6.8	.85
18	1.5	12	242	e14	e29	100	32	5.8	347	5.9	5.4	.64
19	3.5	10	82	e16	e24	81	30	5.7	101	5.3	4.4	.56
20	3.4	8.9	59	e26	22	77	26	5.1	52	4.5	5.9	.53
21	3.8	8.3	44	e23	24	87	25	4.7	35	3.9	7.6	1.9
22	3.4	8.1	35	e20	e22	625	24	7.7	28	3.5	6.0	2.8
23	2.9	7.5	e31	e17	e21	294	22	16	28	2.8	4.6	2.2
24	2.6	7.0	e26	e15	e19	163	21	25	25	2.3	3.7	1.7
25	2.6	6.9	e22	e14	21	121	20	23	22	1.8	3.1	2.0
26	2.6	10	e19	e13	46	92	19	17	18	1.7	2.6	3.8
27	2.4	24	e18	e12	44	79	18	29	15	2.0	2.6	3.2
28	2.5	20	e17	e12	34	67	17	23	12	1.7	5.8	2.3
29	2.3	16	e15	e11	--	60	16	29	11	1.4	5.2	1.9
30	2.3	14	e16	e17	--	321	15	102	9.6	1.2	3.9	1.6
31	3.7	--	e19	e35	--	298	--	33	--	1.0	3.0	--
TOTAL	64.4	332.5	958.8	481	777	3140	1444	478.5	1505.5	187.3	212.35	46.62
MEAN	2.08	11.1	30.9	15.5	27.8	101	48.1	15.4	50.2	6.04	6.85	1.55
MAX	3.8	28	242	35	48	625	143	102	347	21	59	3.8
MIN	1.2	4.3	8.0	11	17	19	15	4.7	9.3	1.0	.58	.46
CFSM	.15	.81	2.26	1.13	2.03	7.39	3.51	1.13	3.66	.44	.50	.11
IN.	.17	.90	2.60	1.31	2.11	8.53	3.92	1.30	4.09	.51	.58	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 – 2001, BY WATER YEAR (WY)

MEAN	13.6	19.6	35.2	47.2	44.1	61.1	48.8	27.3	23.9	8.22	3.57	4.89
MAX	46.9	32.7	103	71.4	59.5	101	79.2	52.4	82.9	40.0	6.85	14.9
(WY)	1997	1997	1997	1999	1998	2001	1997	1998	1998	1998	2001	1999
MIN	1.03	11.1	10.2	15.5	27.8	40.2	21.8	15.4	2.91	.85	.070	.52
(WY)	1998	2001	1999	2001	2001	1995	1999	2001	1999	1999	1999	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1994 – 2001
ANNUAL TOTAL	8781.77	9627.97	28.4
ANNUAL MEAN	24.0	26.4	37.2
HIGHEST ANNUAL MEAN			19.3
LOWEST ANNUAL MEAN			1995
HIGHEST DAILY MEAN	275	Apr 22	625
LOWEST DAILY MEAN	.62	Sep 13	.00
ANNUAL SEVEN-DAY MINIMUM	.68	Sep 8	.00
MAXIMUM PEAK FLOW		1110	Jun 17 2001
MAXIMUM PEAK STAGE		6.32	Jun 30 1998
INSTANTANEOUS LOW FLOW		.10	Aug 29
ANNUAL RUNOFF (CFSM)	1.75	1.93	2.07
ANNUAL RUNOFF (INCHES)	23.85	26.14	28.15
10 PERCENT EXCEEDS	58	59	63
50 PERCENT EXCEEDS	16	12	16
90 PERCENT EXCEEDS	1.5	1.4	.97

e Estimated

PAWTUXET RIVER BASIN

01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 2000 to May 2001.

WATER TEMPERATURE: February 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since February 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 176 $\mu\text{S}/\text{cm}$, Dec. 14; minimum, 40 $\mu\text{S}/\text{cm}$, Mar. 22.

WATER TEMPERATURE: Maximum recorded, 23.5°C, May 4; minimum, -0.4°C, Dec. 3, 4.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE ($\mu\text{CM AT } 25^\circ\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	76	71	73	74	73	73	69	65	68	47	46	47
2	76	74	75	74	72	74	68	58	63	48	46	47
3	76	73	74	77	74	76	69	58	63	48	47	48
4	77	74	76	78	76	77	70	60	64	49	48	48
5	77	75	76	79	77	78	70	59	65	51	47	48
6	76	73	74	79	78	79	68	60	63	48	47	47
7	76	73	74	80	78	79	70	61	65	65	47	48
8	75	72	74	79	78	79	66	62	64	62	46	47
9	72	71	72	80	79	80	64	61	63	52	46	47
10	72	71	72	79	66	73	66	63	65	57	47	48
11	74	72	72	79	74	78	67	62	65	62	47	48
12	75	72	73	79	77	78	67	56	62	49	47	48
13	77	72	75	77	75	76	67	58	63	50	48	49
14	82	77	79	75	63	72	176	60	91	49	48	49
15	80	78	79	71	64	68	68	61	65	54	47	49
16	80	77	78	71	71	71	85	66	74	52	48	49
17	80	77	78	71	70	71	75	47	58	49	49	49
18	78	74	76	72	70	71	53	51	52	51	49	50
19	76	71	73	72	70	71	63	50	52	60	46	50
20	72	69	71	72	71	71	56	45	49	55	46	51
21	72	69	71	71	69	71	50	44	48	57	52	53
22	73	71	72	70	64	67	51	44	48	54	52	53
23	74	72	73	72	61	67	49	45	47	55	51	53
24	76	73	75	73	61	67	50	46	47	53	50	51
25	77	74	76	74	63	69	50	45	48	52	50	51
26	79	75	77	151	56	75	52	44	50	52	51	51
27	81	77	78	72	58	67	52	48	50	52	50	51
28	80	75	77	72	69	70	55	50	51	62	50	52
29	78	75	76	71	69	70	54	50	51	53	51	52
30	79	76	78	70	67	69	53	47	49	82	45	53
31	77	74	75	---	---	---	48	46	47	57	47	53
MONTH	82	69	75	151	56	73	176	44	58	82	45	50

PAWTUXET RIVER BASIN

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01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

SPECIFIC CONDUCTANCE ($\mu\text{CM AT } 25^\circ\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL			
1	52	51	52	69	57	63	50	47	48	83	68	73
2	53	51	52	65	59	62	52	50	51	84	69	71
3	54	52	53	70	61	66	53	51	52	81	70	72
4	55	52	53	69	58	64	54	52	53	83	71	74
5	56	52	53	60	54	57	67	52	54	84	71	74
6	56	51	52	62	52	54	69	54	58	81	69	72
7	57	52	52	99	51	75	76	54	60	82	68	72
8	55	49	53	99	51	69	80	51	59	82	69	72
9	55	52	54	96	50	67	60	54	56	84	70	74
10	63	52	55	75	53	59	60	55	57	84	72	74
11	57	54	56	102	53	70	60	55	57	86	73	76
12	58	55	57	103	55	68	60	55	56	86	74	76
13	61	57	58	116	63	87	61	56	58	87	74	77
14	63	58	61	117	57	93	63	58	60	86	74	76
15	64	56	61	69	57	64	64	58	61	86	72	74
16	72	56	62	120	61	76	64	59	62	85	71	73
17	70	55	61	103	58	70	62	60	61	83	71	72
18	61	52	58	112	60	86	62	59	60	---	---	---
19	67	58	61	106	57	63	64	60	62	---	---	---
20	78	60	66	96	55	58	66	61	63	---	---	---
21	71	57	64	109	51	59	68	62	64	---	---	---
22	75	57	59	92	40	43	68	63	66	---	---	---
23	68	57	61	47	42	45	68	65	66	---	---	---
24	66	61	63	48	45	47	69	66	67	---	---	---
25	84	57	66	50	47	48	68	64	67	---	---	---
26	77	61	67	50	48	49	68	63	65	---	---	---
27	75	61	69	52	47	50	71	64	67	---	---	---
28	73	57	65	54	51	52	73	65	67	---	---	---
29	---	---	---	57	52	53	70	63	66	---	---	---
30	---	---	---	56	40	48	82	65	68	---	---	---
31	---	---	---	47	45	46	---	---	---	---	---	---
MONTH	84	49	59	120	40	62	82	47	60	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER			
1	13.5	9.7	11.6	7.7	6.2	7.1	2.6	0.9	1.9	0.0	-0.1	0.0
2	14.8	12.1	13.4	9.2	6.8	8.4	1.3	-4	.5	.0	-1	.0
3	15.8	12.8	14.4	9.4	7.8	8.5	.9	-4	.1	.1	.0	.0
4	15.4	13.2	14.8	9.6	7.6	8.7	.9	-4	.1	.0	.0	.0
5	14.9	13.6	14.2	8.5	6.7	7.9	.9	-4	.2	.0	.0	.0
6	14.2	12.8	13.8	7.7	5.9	7.0	.5	-4	.0	.0	-1	.0
7	13.6	11.7	12.9	7.9	5.6	7.0	.7	-3	.1	.1	-1	.0
8	12.0	10.2	11.2	8.6	6.4	7.6	-1	-3	-2	.1	.0	.0
9	10.2	7.8	9.2	8.9	6.4	8.3	0	-3	-2	.0	-1	.0
10	8.5	7.3	7.9	9.1	8.6	8.8	-1	-2	-2	.1	-1	.0
11	10.2	7.7	9.0	9.3	8.7	9.1	.3	-1	.1	.1	.0	.1
12	10.9	7.6	9.6	9.9	8.4	9.2	.8	-3	.3	.1	.1	.1
13	11.5	8.4	10.5	8.5	8.1	8.4	.4	-3	.0	.1	.0	.1
14	13.4	10.5	12.2	8.7	7.7	8.4	.2	-2	.0	.2	.1	.1
15	14.5	12.0	13.5	7.7	5.8	7.0	.6	-2	.1	.1	.1	.1
16	13.4	10.5	11.9	6.8	5.5	6.3	1.5	-1	.5	.2	.1	.1
17	11.9	10.2	11.2	7.7	4.6	6.5	5.5	1.5	4.1	.2	.0	.1
18	12.3	11.2	11.8	5.1	4.1	4.7	4.2	1.6	2.9	.2	.1	.1
19	12.5	9.9	11.5	4.9	2.7	4.0	2.5	1.3	2.1	.1	.1	.1
20	11.6	9.1	10.5	3.6	2.2	2.9	2.0	.1	1.2	.1	.0	.1
21	12.4	9.3	11.2	3.3	1.3	2.4	.8	-1	.5	.1	.0	.1
22	11.2	8.4	10.2	1.6	.3	.9	1.0	-2	.5	.2	.0	.1
23	9.8	7.6	8.7	1.4	-3	.6	.3	-2	.0	.2	.1	.2
24	10.1	7.3	9.1	1.1	-4	.2	.3	-2	.0	.2	.1	.2
25	11.2	8.5	10.2	.9	-3	.3	.2	-2	-1	.2	.1	.2
26	12.2	9.2	11.1	1.1	.1	.6	.0	-2	-1	.2	.1	.2
27	12.4	10.5	11.5	4.0	.9	3.0	.2	-2	-1	.2	.1	.2
28	11.3	7.2	10.0	4.4	3.0	3.8	.2	-2	-1	.2	.1	.2
29	7.2	4.2	5.8	3.9	2.8	3.4	.3	-2	-1	.2	.1	.2
30	5.4	4.0	4.9	3.3	2.0	2.9	.1	-1	.0	.2	.1	.2
31	6.3	5.2	6.0	---	---	---	.0	-1	.0	.2	.2	.2
MONTH	15.8	4.0	10.8	9.9	-4	5.5	5.5	-4	.5	.2	-1	.1

PAWTUXET RIVER BASIN

01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.3	0.1	0.2	1.5	0.2	0.7	5.0	3.7	4.3	20.3	13.2	17.0
2	.3	.1	.2	.9	.2	.6	5.4	3.4	4.4	21.6	14.6	18.4
3	.3	.1	.2	2.1	.4	1.2	7.3	3.0	5.4	22.8	16.5	19.8
4	.4	.2	.3	1.9	.3	1.1	9.4	4.2	6.6	23.5	17.7	20.7
5	.4	.2	.3	.5	.2	.3	11.0	4.8	7.8	19.9	15.1	18.6
6	.3	.3	.3	.3	.2	.3	7.9	6.1	7.1	17.3	12.0	15.0
7	.4	.2	.3	.4	.2	.3	9.7	6.0	7.7	17.2	9.9	13.7
8	.4	.2	.3	.7	.2	.4	7.0	5.7	6.1	18.0	10.5	14.5
9	.6	.3	.4	.7	.2	.4	12.1	5.6	9.2	19.5	12.1	16.2
10	1.0	.2	.5	1.2	.2	.6	14.0	9.7	11.4	20.6	13.8	17.5
11	.3	.2	.3	2.2	.2	1.2	12.3	8.7	10.3	21.7	15.1	18.8
12	.4	.2	.3	3.7	.3	1.9	9.8	8.8	9.3	22.3	16.9	19.9
13	.7	.2	.4	1.5	.6	1.0	11.9	8.6	9.8	19.4	16.4	18.1
14	.8	.2	.6	2.3	.6	1.3	13.4	7.9	10.4	16.4	14.1	15.1
15	1.5	.3	1.0	3.6	.6	2.1	14.2	8.3	11.1	14.1	12.4	13.0
16	1.2	.3	.8	5.0	1.2	2.9	14.2	9.5	11.5	12.7	11.5	12.1
17	1.8	.3	.9	5.6	2.2	3.6	11.0	8.6	9.8	14.1	11.1	12.8
18	.8	.3	.4	4.3	1.8	2.9	10.4	7.1	8.8	---	---	---
19	.9	.4	.5	5.9	1.6	3.6	12.3	6.1	9.0	---	---	---
20	1.8	.4	1.3	7.3	2.2	4.5	13.8	6.4	10.3	---	---	---
21	2.8	.3	1.4	4.8	2.2	3.9	14.9	10.0	12.4	---	---	---
22	.9	.3	.4	2.7	1.7	2.3	19.3	12.1	15.7	---	---	---
23	.9	.3	.5	4.2	2.2	3.3	20.1	13.9	16.9	---	---	---
24	1.2	.3	.7	5.2	2.5	4.0	21.4	14.3	17.7	---	---	---
25	.9	.3	.5	6.3	2.4	4.3	15.2	11.1	13.5	---	---	---
26	2.2	.3	1.1	4.6	1.7	3.2	15.9	9.6	12.5	---	---	---
27	2.7	.3	1.4	5.4	1.4	3.3	16.9	9.3	13.3	---	---	---
28	2.5	.2	1.0	7.1	2.2	4.6	16.6	10.9	13.7	---	---	---
29	---	---	---	6.5	3.2	5.0	16.1	9.2	12.6	---	---	---
30	---	---	---	4.4	3.0	3.6	17.4	9.7	14.0	---	---	---
31	---	---	---	4.7	2.9	4.1	---	---	---	---	---	---
MONTH	2.8	.1	.6	7.3	.2	2.3	21.4	3.0	10.4	---	---	---

PAWTUXET RIVER BASIN

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01115190 DOLLY COLE BROOK AT OLD DANIELSON PARK AT SOUTH FOSTER, RI

LOCATION.--Lat 41°49'20", long 71°42'03", Providence County, Hydrologic Unit 01090004, on right bank 1000 ft downstream from bridge on State Route 6, and at South Foster.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 2000 to May 2001.

WATER TEMPERATURE: February 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since February 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 764 µS/cm, Dec. 14; minimum, 54 µS/cm, Jan. 3.

WATER TEMPERATURE: Maximum recorded, 23.6°C, May 4; minimum, -0.3°C, on many days during winter period.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE (µCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	116	112	114	99	93	97	79	75	77	76	71	73
2	117	112	114	99	97	98	81	74	77	77	63	70
3	115	112	114	97	94	96	82	74	78	76	54	70
4	114	112	113	94	92	93	87	76	82	76	69	73
5	115	113	113	92	90	91	88	80	84	80	60	73
6	115	109	112	92	91	92	88	81	84	76	74	75
7	109	106	108	94	92	93	90	81	85	80	72	75
8	106	104	105	94	92	93	86	81	83	77	73	75
9	106	104	105	93	92	93	84	67	78	149	74	77
10	106	105	106	102	83	91	82	58	73	76	71	73
11	108	82	99	106	101	104	90	82	88	77	68	73
12	94	83	88	104	90	95	93	81	87	78	73	75
13	102	94	98	92	90	91	85	74	81	77	71	75
14	109	99	104	95	88	91	764	79	122	78	75	76
15	103	95	98	98	90	92	88	78	83	127	74	80
16	107	103	106	92	91	91	108	78	85	83	76	79
17	108	103	106	93	92	92	114	67	97	81	76	78
18	104	95	102	94	93	94	77	67	71	83	64	76
19	103	93	100	95	88	94	84	66	68	89	77	82
20	112	103	108	88	78	83	89	66	70	88	73	79
21	114	109	112	79	73	75	74	64	69	82	67	73
22	112	108	110	76	73	74	87	70	73	77	65	70
23	112	107	108	75	72	73	73	66	69	75	73	74
24	110	105	107	75	68	72	76	65	70	75	73	74
25	111	104	107	77	65	72	72	67	69	76	73	74
26	107	102	104	226	73	91	73	67	71	77	73	75
27	104	100	102	91	77	84	78	72	74	78	74	76
28	101	98	99	77	70	72	77	73	75	80	74	76
29	101	98	100	75	70	71	81	70	76	80	74	76
30	102	98	100	76	72	74	79	73	76	131	76	87
31	99	92	95	---	---	---	78	72	74	90	76	81
MONTH	117	82	105	226	65	87	764	58	79	149	54	76

PAWTUXET RIVER BASIN

01115190 DOLLY COLE BROOK AT OLD DANIELSON PARK AT SOUTH FOSTER, RI--Continued

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	94	84	88	111	96	104	67	62	64	116	112	114
2	88	80	84	106	96	101	76	66	69	116	113	115
3	86	76	80	105	98	102	87	67	72	113	93	101
4	85	76	79	105	97	101	88	71	74	97	92	94
5	86	72	77	115	86	95	80	71	75	100	96	98
6	81	72	76	98	87	89	256	75	83	101	98	100
7	83	76	78	98	91	94	104	77	85	101	96	99
8	84	76	79	102	89	96	140	78	98	101	97	99
9	86	80	83	102	93	97	85	76	80	106	97	99
10	98	79	89	110	95	101	85	79	81	104	99	101
11	111	74	85	113	94	104	88	76	81	108	102	105
12	107	89	92	118	98	109	92	80	85	118	107	111
13	102	87	92	188	95	116	90	81	84	124	111	118
14	101	84	91	122	94	109	90	80	84	138	122	128
15	111	91	96	128	101	112	104	86	89	139	133	135
16	107	86	94	122	105	113	100	91	95	141	134	137
17	105	90	99	120	108	112	99	94	96	138	134	135
18	104	86	95	117	106	110	98	91	94	---	---	---
19	116	88	98	116	106	111	93	89	91	---	---	---
20	108	95	101	113	105	108	99	92	95	---	---	---
21	104	94	100	117	102	108	101	97	99	---	---	---
22	102	87	94	102	64	76	107	100	102	---	---	---
23	151	90	96	86	64	67	110	107	108	---	---	---
24	103	89	96	75	64	69	113	108	110	---	---	---
25	144	87	102	81	68	73	120	113	118	---	---	---
26	121	95	105	91	72	77	119	112	114	---	---	---
27	117	94	107	88	75	80	113	110	111	---	---	---
28	111	100	106	89	76	81	118	110	113	---	---	---
29	---	---	---	92	78	82	116	104	111	---	---	---
30	---	---	---	116	65	83	117	109	113	---	---	---
31	---	---	---	70	60	63	---	---	---	---	---	---
MONTH	151	72	92	188	60	95	256	62	92	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12.7	8.5	10.7	7.9	6.3	7.1	4.1	2.2	2.6	0.1	-0.3	-0.2
2	13.9	10.6	12.1	9.4	6.5	8.1	2.2	1.1	1.7	.0	-3	-2
3	14.8	11.2	13.1	9.3	7.3	8.3	1.5	.4	1.0	.0	-2	-2
4	14.8	11.7	13.4	9.9	6.8	8.3	1.9	.2	1.0	.0	-3	-2
5	13.7	13.0	13.3	8.6	7.4	8.0	1.9	.4	1.1	.0	-2	-1
6	14.2	13.0	13.5	8.2	6.2	7.2	1.4	.4	.9	.1	-2	-1
7	13.4	11.1	12.4	8.5	5.4	7.0	1.3	.2	.7	.2	-2	-1
8	11.5	8.7	10.0	9.1	5.9	7.4	.4	.1	.2	.2	-2	-1
9	9.1	7.8	8.3	8.9	5.9	7.7	.7	-.3	.0	.2	-2	0
10	8.5	6.7	7.6	8.8	8.4	8.6	.3	-.2	-.1	.1	-3	-2
11	10.8	7.1	8.9	9.2	8.6	8.9	1.4	.3	.9	.0	-2	-1
12	10.9	7.2	9.3	9.9	8.5	9.1	2.6	.6	1.6	.2	-3	-1
13	11.6	7.2	9.5	8.7	8.3	8.5	.9	-.2	.5	.0	-2	-2
14	13.9	9.3	11.4	8.8	8.2	8.6	1.2	.1	.8	.0	-2	-1
15	14.6	11.1	12.7	8.5	6.8	7.6	1.2	.4	.8	.0	-2	-1
16	12.9	10.0	11.4	7.0	5.9	6.6	2.2	.5	1.1	.3	-1	0
17	11.5	9.5	10.5	7.8	6.3	7.0	5.4	2.0	3.6	.4	-1	1
18	11.9	10.5	11.2	6.3	4.9	5.5	3.8	2.2	3.2	.2	-3	-1
19	12.8	10.2	11.5	5.3	3.8	4.7	2.8	1.5	2.2	.2	0	1
20	11.7	7.7	9.8	5.0	3.7	4.2	2.4	.9	1.8	.1	-2	-1
21	13.2	8.7	10.8	4.0	2.8	3.4	1.3	.3	.9	-.2	-3	-2
22	11.8	8.3	10.3	3.1	2.0	2.5	1.2	.6	1.0	-.2	-3	-2
23	10.0	6.2	8.0	2.4	1.2	1.8	.6	-.1	.2	-.2	-3	-2
24	10.9	6.5	8.6	1.9	.3	1.1	.6	-.2	.2	-.1	-3	-2
25	12.1	8.1	9.9	1.8	.0	.9	.2	-.3	-.1	.1	-2	-1
26	12.5	8.2	10.3	2.5	1.0	1.8	.0	-.2	-.2	.1	-3	-2
27	12.1	9.6	10.9	3.2	1.8	2.5	.2	-.2	-.1	.1	-2	-1
28	11.8	7.8	10.4	4.1	2.8	3.6	.1	-.2	-.1	.3	-3	-1
29	7.8	5.0	6.0	4.2	3.1	3.6	.2	-.3	-.1	.0	-3	-2
30	6.2	4.4	5.4	3.7	2.9	3.3	.0	-.2	-.2	.0	-2	-1
31	7.1	5.6	6.5	---	---	---	-.1	-.2	-.2	.2	-2	-1
MONTH	14.8	4.4	10.2	9.9	.0	5.8	5.4	-.3	.9	.4	-3	-1

PAWTUXET RIVER BASIN

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01115190 DOLLY COLE BROOK AT OLD DANIELSON PARK AT SOUTH FOSTER, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.3	-0.2	0.0	1.3	-0.1	0.6	4.5	3.5	3.9	19.7	14.0	16.9
2	.5	-.2	.1	.8	.0	.5	4.9	2.9	3.8	21.1	15.4	18.4
3	.4	-.3	-.1	1.1	.3	.8	7.0	2.5	4.6	23.2	17.3	20.1
4	.2	-.3	-.1	1.0	.3	.7	8.6	3.6	6.0	23.6	18.3	21.0
5	.1	-.3	-.2	.7	-.2	.0	10.5	4.7	7.5	22.5	18.5	20.1
6	-.2	-.2	-.2	-.2	-.3	-.2	8.6	6.2	7.3	18.5	15.1	16.5
7	.4	-.2	-.1	.2	-.2	-.1	9.3	6.3	7.7	17.0	11.8	14.5
8	.4	-.3	.0	.4	-.3	.0	8.6	5.8	6.7	17.7	11.8	14.8
9	.5	-.1	.2	.5	-.2	.1	12.4	6.1	8.6	19.1	13.2	16.2
10	.8	-.2	.4	1.0	-.1	.3	13.9	9.2	11.3	20.1	14.6	17.5
11	.2	-.3	-.2	1.5	-.2	.7	12.2	8.9	10.8	21.2	15.9	18.7
12	.1	-.2	-.1	1.8	.0	1.0	10.9	9.3	9.9	22.7	17.4	20.0
13	.6	-.2	.1	1.4	.2	.6	11.9	9.2	10.3	20.5	17.0	18.5
14	.6	-.3	.2	1.6	.0	.7	13.1	8.3	10.7	17.4	14.0	15.7
15	1.0	.3	.6	2.6	.0	1.1	13.8	8.8	11.3	15.2	13.0	13.9
16	.6	-.2	.3	3.9	.5	1.9	13.9	10.0	12.0	13.7	12.3	12.8
17	1.0	-.2	.5	4.6	1.3	2.6	12.7	9.6	10.8	14.1	11.6	12.8
18	.6	-.3	.1	3.5	1.6	2.4	10.6	8.6	9.6	---	---	---
19	.7	-.3	.2	5.2	1.0	2.8	11.8	7.1	9.4	---	---	---
20	1.5	.2	.9	6.1	1.2	3.4	13.0	7.6	10.4	---	---	---
21	1.6	.3	1.0	4.2	2.1	3.2	14.3	10.8	12.4	---	---	---
22	.6	-.3	.1	3.0	1.5	2.1	18.5	12.7	15.3	---	---	---
23	.8	-.2	.2	3.0	1.6	2.2	19.2	14.8	17.1	---	---	---
24	.9	-.3	.3	4.6	1.8	3.0	20.6	15.5	18.1	---	---	---
25	.5	-.2	.2	6.2	1.7	3.6	19.1	13.4	15.3	---	---	---
26	1.4	.4	.9	4.4	2.2	3.0	15.0	10.9	13.0	---	---	---
27	2.0	.0	.9	5.4	1.4	3.2	16.0	10.9	13.5	---	---	---
28	1.7	.1	.9	6.7	1.6	4.0	16.4	12.7	14.5	---	---	---
29	---	---	---	5.8	2.3	4.1	15.3	10.9	13.3	---	---	---
30	---	---	---	4.7	2.8	3.4	16.5	10.9	13.9	---	---	---
31	---	---	---	4.5	2.7	3.7	---	---	---	---	---	---
MONTH	2.0	-.3	.3	6.7	-.3	1.8	20.6	2.5	10.6	---	---	---

PAWTUXET RIVER BASIN

01115265 HEMLOCK BROOK AT KING ROAD NEAR CLAYVILLE, RI

LOCATION.--Lat 41°47'26", long 71°41'57", Providence County, Hydrologic Unit 01090004, on left bank 5 ft downstream from bridge on King Rd., and 1.2 mi northeast of Foster Center.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 2000 to May 2001.

WATER TEMPERATURE: February 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since February 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 128 $\mu\text{S}/\text{cm}$, Oct. 20; minimum, 36 $\mu\text{S}/\text{cm}$, Mar. 22.

WATER TEMPERATURE: Maximum recorded, 23.0°C , May 4; minimum, -0.1°C , Nov. 25.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

PAWTUXET RIVER BASIN

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01115265 HEMLOCK BROOK AT KING ROAD NEAR CLAYVILLE, RI--Continued

SPECIFIC CONDUCTANCE ($\mu\text{/CM}$ AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	70	63	66	64	55	60	104	103	103
2	---	---	---	70	66	68	70	64	67	106	103	105
3	---	---	---	74	70	72	74	70	72	108	104	106
4	---	---	---	75	71	72	77	74	76	110	106	107
5	---	---	---	72	70	72	81	77	79	110	107	108
6	---	---	---	72	69	71	83	42	82	108	106	107
7	---	---	---	71	69	70	84	81	83	109	104	107
8	---	---	---	74	62	70	81	70	74	111	107	109
9	---	---	---	75	73	74	72	62	65	111	109	110
10	---	---	---	78	73	75	71	65	67	114	109	111
11	---	---	---	80	73	75	75	71	73	117	114	116
12	---	---	---	82	72	76	76	74	75	120	116	118
13	---	---	---	74	64	68	78	76	77	119	115	117
14	---	---	---	67	62	65	80	76	77	117	110	113
15	---	---	---	67	62	63	84	79	81	111	108	109
16	---	---	---	70	62	65	86	82	84	109	107	108
17	---	---	---	69	63	66	85	83	84	109	107	108
18	---	---	---	66	61	63	92	84	85	---	---	---
19	---	---	---	68	59	64	87	84	85	---	---	---
20	---	---	---	70	65	68	88	83	85	---	---	---
21	---	---	---	70	61	69	92	86	89	---	---	---
22	---	---	---	61	36	45	96	91	93	---	---	---
23	71	69	70	56	36	47	97	95	96	---	---	---
24	74	62	70	64	56	60	97	95	96	---	---	---
25	73	69	72	70	64	67	97	96	97	---	---	---
26	73	63	68	74	70	72	97	93	95	---	---	---
27	67	61	64	78	69	74	100	94	97	---	---	---
28	68	61	64	80	77	79	101	97	99	---	---	---
29	---	---	---	83	80	82	101	96	99	---	---	---
30	---	---	---	82	54	68	104	97	100	---	---	---
31	---	---	---	55	44	48	---	---	---	---	---	---
MONTH	---	---	---	83	36	68	104	42	83	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

PAWTUXET RIVER BASIN

01115265 HEMLOCK BROOK AT KING ROAD NEAR CLAYVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	0.9	0.3	0.5	4.3	3.4	3.8	18.6	13.6	16.0
2	---	---	---	.6	.3	.4	4.7	2.9	3.8	20.7	15.0	17.8
3	---	---	---	.9	.4	.5	5.9	2.6	4.4	21.9	17.0	19.4
4	---	---	---	.8	.4	.5	7.2	3.9	5.6	23.0	18.4	20.6
5	---	---	---	.5	.3	.4	8.8	4.7	6.8	21.3	18.2	19.9
6	---	---	---	.4	.2	.3	8.0	6.3	6.8	18.5	15.2	16.8
7	---	---	---	.3	.2	.3	8.3	5.8	6.9	17.7	12.0	14.7
8	---	---	---	.4	.2	.3	7.6	5.3	6.1	18.2	12.0	14.9
9	---	---	---	.4	.3	.3	11.1	4.9	7.5	19.6	13.2	16.1
10	---	---	---	.7	.3	.4	12.9	9.5	11.1	20.2	14.4	17.1
11	---	---	---	1.0	.2	.5	12.0	9.1	10.5	21.8	16.1	18.7
12	---	---	---	1.3	.2	.6	10.3	8.8	9.3	23.0	17.7	20.0
13	---	---	---	.5	.2	.3	10.8	8.4	9.4	20.4	17.3	18.9
14	---	---	---	.5	.2	.3	12.0	8.2	10.0	18.0	15.1	16.5
15	---	---	---	.8	.2	.4	12.8	9.0	10.9	16.0	13.8	14.6
16	---	---	---	1.5	.2	.7	13.0	10.2	11.5	14.2	12.7	13.3
17	---	---	---	2.0	.5	1.1	11.4	9.4	10.2	14.2	12.0	13.0
18	---	---	---	1.7	.8	1.1	9.7	8.1	8.9	---	---	---
19	---	---	---	3.3	.4	1.8	10.9	6.7	8.6	---	---	---
20	---	---	---	4.5	.9	2.8	12.0	7.4	9.6	---	---	---
21	---	---	---	3.4	2.2	2.9	13.9	10.4	11.7	---	---	---
22	---	---	---	3.1	1.9	2.3	17.6	12.2	14.5	---	---	---
23	0.7	0.5	0.5	3.5	1.8	2.6	19.0	14.8	16.7	---	---	---
24	.7	.4	.5	4.8	2.2	3.5	20.3	15.5	17.6	---	---	---
25	.6	.5	.5	5.7	2.2	3.9	18.2	13.6	15.4	---	---	---
26	1.0	.5	.7	4.2	2.0	3.1	15.3	10.8	13.0	---	---	---
27	.9	.3	.5	3.7	.7	2.3	15.8	10.6	13.1	---	---	---
28	1.1	.3	.5	5.3	1.5	3.4	16.5	12.1	14.1	---	---	---
29	---	---	---	4.9	2.8	4.1	15.9	10.6	13.2	---	---	---
30	---	---	---	4.7	3.0	3.6	16.4	10.7	13.6	---	---	---
31	---	---	---	4.0	2.6	3.4	---	---	---	---	---	---
MONTH	---	---	---	5.7	.2	1.6	20.3	2.6	10.2	---	---	---

PAWTUXET RIVER BASIN

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01115275 BEAR TREE BROOK NEAR CLAYVILLE, RI

LOCATION.--Lat 41° 46' 57", long 71° 40' 31", Providence County, Hydrologic Unit 01090004, on left bank 5 ft downstream from bridge on King Road, and 1.2 mi northeast of Foster Center.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2000 to May 2001.
WATER TEMPERATURE: January 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since January 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 293 µS/cm, Oct. 5; minimum, 52 µS/cm, Mar. 22.
WATER TEMPERATURE: Maximum recorded, 15.9°C, May 4; minimum, -0.2°C, on many days during winter periods.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	279	263	273	250	222	238	235	215	224	198	184	189
2	281	268	276	262	250	256	244	235	240	198	175	185
3	287	273	280	267	259	263	254	226	242	201	177	186
4	289	280	285	272	261	267	256	228	244	205	177	191
5	293	264	279	272	265	268	253	234	246	208	178	194
6	266	242	251	272	263	266	250	240	246	204	191	201
7	260	240	249	270	264	267	255	235	246	209	197	203
8	268	259	262	270	267	269	246	238	242	211	192	203
9	270	265	268	272	268	269	248	216	236	207	204	206
10	270	267	269	269	129	188	250	217	232	204	182	193
11	278	270	273	195	145	173	249	231	241	213	182	200
12	280	272	276	223	195	212	231	214	222	214	183	205
13	281	273	277	234	223	230	248	218	234	208	183	195
14	291	278	283	240	135	208	246	173	205	218	194	209
15	290	283	286	192	134	162	220	182	204	216	177	195
16	286	268	281	218	192	208	231	161	225	196	181	192
17	272	255	265	229	218	223	161	56	85	200	192	198
18	274	201	270	237	229	234	139	65	106	209	190	203
19	219	148	179	245	236	239	158	139	153	210	140	189
20	245	219	229	251	243	246	157	137	145	177	141	163
21	260	244	253	252	245	248	174	157	167	178	155	169
22	262	257	259	258	252	255	177	174	176	200	168	182
23	264	259	261	263	258	260	181	166	175	203	174	187
24	267	261	264	270	240	257	190	168	181	211	180	194
25	272	264	267	273	233	255	185	167	175	212	191	204
26	275	267	270	263	123	208	182	172	178	214	184	201
27	274	268	271	183	127	156	199	181	188	215	202	212
28	273	265	270	211	183	198	194	182	187	216	206	213
29	278	271	275	227	211	219	204	181	191	219	185	204
30	276	265	272	229	213	220	200	161	183	219	118	186
31	265	218	232	---	---	---	193	177	188	154	122	144
MONTH	293	148	265	273	123	232	256	56	200	219	118	193

PAWTUXET RIVER BASIN

01115275 BEAR TREE BROOK NEAR CLAYVILLE, RI--Continued

SPECIFIC CONDUCTANCE ($\mu\text{CM AT } 25^\circ\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	170	154	165	192	175	184	126	114	119	205	196	201
2	182	169	177	195	183	190	131	126	129	208	199	204
3	191	179	185	195	192	194	137	131	134	212	204	209
4	201	169	188	198	194	196	142	134	138	217	208	211
5	202	158	185	196	156	179	145	138	142	217	212	215
6	186	160	174	184	158	171	148	136	144	217	209	214
7	196	182	191	195	184	191	144	136	140	218	208	213
8	201	192	197	197	172	190	147	100	120	221	210	216
9	200	184	197	198	190	195	139	118	130	225	213	219
10	184	123	140	192	181	189	146	138	141	232	216	224
11	154	123	139	187	174	182	152	144	148	237	224	230
12	185	148	165	181	172	177	152	137	145	241	231	235
13	192	185	189	181	104	134	149	138	143	240	232	237
14	191	178	187	148	113	133	158	148	153	240	232	236
15	189	163	172	160	142	151	164	155	159	239	232	235
16	181	165	173	156	133	146	166	159	162	236	227	230
17	180	158	165	149	131	141	163	161	162	---	---	---
18	186	151	169	144	136	140	162	159	160	---	---	---
19	198	160	182	154	138	146	168	160	165	---	---	---
20	198	186	193	154	135	146	174	166	170	---	---	---
21	186	169	179	151	105	144	176	170	173	---	---	---
22	190	155	175	105	52	74	---	---	---	---	---	---
23	194	168	185	110	92	102	---	---	---	---	---	---
24	198	176	190	122	110	117	---	---	---	---	---	---
25	197	168	189	133	122	127	189	182	184	---	---	---
MONTH	202	123	176	198	52	152	---	---	---	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11.9	8.8	10.3	9.0	7.6	8.2	4.5	3.2	4.0	1.5	0.4	0.8
2	12.4	10.1	11.2	10.0	7.6	8.8	3.2	1.6	2.5	1.1	-.1	.4
3	13.4	10.7	12.1	9.9	7.7	8.8	2.3	.3	1.3	1.2	-.1	.3
4	13.1	11.0	12.2	10.1	7.3	8.6	3.2	.3	1.5	1.6	-.1	.6
5	12.5	11.9	12.1	8.9	7.8	8.3	3.5	.7	2.2	1.8	-.1	.8
6	12.7	12.0	12.3	8.4	6.8	7.6	2.8	.9	1.6	2.6	.7	1.8
7	12.4	10.5	11.4	8.8	6.3	7.5	2.2	.6	1.3	2.6	.9	1.6
8	10.7	8.4	9.5	9.4	6.5	8.0	1.1	.8	.9	2.6	.5	1.5
9	8.9	8.0	8.3	9.4	6.6	8.2	1.5	-.2	.8	2.5	1.4	2.3
10	8.4	7.2	7.9	9.6	9.0	9.3	2.2	-.2	.4	1.4	-.1	.5
11	10.4	7.8	9.0	9.7	9.2	9.5	3.9	2.2	3.2	2.3	-.1	1.0
12	10.6	7.4	9.1	10.2	8.5	9.4	6.0	1.9	4.3	1.9	-.1	1.1
13	11.2	7.9	9.7	9.1	8.4	8.7	2.0	.3	1.3	1.0	-.2	.3
14	12.7	9.7	11.1	9.4	8.7	9.1	3.4	1.0	2.5	2.7	.2	1.4
15	13.4	11.3	12.2	9.1	6.8	7.7	3.1	1.8	2.4	2.4	.5	2.0
16	12.2	9.9	11.0	7.4	6.3	6.9	4.2	1.8	3.0	3.7	2.1	2.9
17	11.1	9.4	10.2	8.2	6.2	7.5	7.4	4.0	5.8	3.8	2.5	3.1
18	11.6	10.3	10.9	6.4	5.1	5.8	6.5	3.0	4.1	2.7	.6	2.0
19	11.9	9.9	11.1	6.2	4.3	5.4	4.0	2.4	3.2	3.3	2.5	2.9
20	10.9	7.9	9.5	5.6	3.4	4.5	3.8	2.0	3.0	2.9	1.4	2.4
21	12.6	9.4	10.9	5.1	3.8	4.4	2.7	1.1	2.0	1.4	-.2	.5
22	11.4	8.1	9.9	3.9	2.8	3.4	3.0	2.0	2.5	1.5	-.2	.4
23	9.5	6.3	7.9	3.0	1.7	2.4	2.0	.4	1.0	1.5	-.1	.4
24	10.7	7.3	8.9	2.2	.4	1.3	2.1	.2	1.2	2.3	-.1	.8
25	11.4	8.7	10.0	2.5	.0	1.2	1.6	-.1	.5	2.5	.5	1.3
26	11.8	8.4	10.1	4.9	1.8	3.3	.2	-.1	.1	2.0	.0	.9
27	11.9	9.6	10.7	6.1	4.3	5.2	1.3	.2	.7	2.9	.8	2.0
28	11.2	7.7	10.0	6.6	5.4	5.9	1.0	.2	.6	2.4	.9	1.7
29	7.7	5.6	6.4	6.1	4.8	5.3	1.5	0	.6	2.0	-.2	.8
30	7.0	5.3	6.2	5.5	4.5	5.0	1.3	-.2	.4	2.7	.8	1.9
31	8.2	6.6	7.6	---	---	---	1.4	.5	1.0	3.7	2.1	2.8
MONTH	13.4	5.3	10.0	10.2	.0	6.5	7.4	-.2	1.9	3.8	-.2	1.4

PAWTUXET RIVER BASIN

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01115275 BEAR TREE BROOK NEAR CLAYVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY												
1	4.1	2.2	3.1	2.8	0.6	1.6	5.1	4.1	4.6	16.2	10.4	13.2
2	3.8	1.9	2.9	2.4	1.0	1.6	5.8	3.4	4.5	17.3	11.0	14.1
3	3.1	1.0	1.8	3.5	1.8	2.4	7.3	3.0	5.0	18.0	12.4	15.2
4	2.4	-.1	1.2	3.1	1.8	2.4	8.2	3.5	5.8	18.5	13.3	15.9
5	2.3	-.2	.9	2.1	-.2	.8	9.5	3.9	6.6	16.6	13.3	14.8
6	2.1	-.2	.9	1.3	-.2	.6	7.1	4.9	6.1	14.4	10.2	12.2
7	3.2	1.6	2.2	2.4	1.2	1.7	8.3	5.4	6.7	13.9	7.6	10.7
8	3.3	1.2	2.3	2.8	-.0	1.6	7.5	4.8	5.5	14.6	8.6	11.4
9	4.1	2.8	3.4	3.1	1.7	2.3	11.9	5.3	8.0	15.6	9.5	12.5
10	4.0	1.0	3.3	4.2	1.9	2.8	11.7	8.2	9.9	16.1	10.4	13.3
11	1.3	.1	.7	4.9	1.5	3.1	10.1	6.6	8.5	16.7	11.8	14.2
12	1.5	-.2	.5	5.2	1.6	3.2	8.8	7.5	8.0	17.6	13.3	15.3
13	3.4	1.1	2.1	3.2	2.0	2.5	10.6	7.6	8.8	15.6	12.7	13.9
14	3.6	.8	2.4	4.3	1.9	2.9	11.5	6.8	9.1	13.1	10.5	11.9
15	3.8	2.5	3.3	5.1	1.9	3.5	11.8	6.6	9.3	11.9	10.2	11.0
16	3.3	1.2	2.3	6.2	2.5	4.2	11.5	7.7	9.6	11.1	10.2	10.5
17	3.4	.7	2.6	6.6	3.3	4.8	9.9	6.8	8.2	---	---	---
18	1.9	.0	.9	5.1	3.5	4.2	8.7	6.6	7.7	---	---	---
19	2.6	-.2	1.3	6.4	2.2	4.2	10.3	5.0	7.6	---	---	---
20	4.7	2.0	3.2	6.8	2.5	4.7	11.7	5.3	8.4	---	---	---
21	4.0	.7	2.9	5.1	3.2	4.2	12.3	8.6	10.3	---	---	---
22	1.6	-.1	.7	4.1	2.1	3.2	16.1	10.0	12.7	---	---	---
23	3.1	.0	1.5	5.3	3.1	4.1	16.2	11.0	13.5	---	---	---
24	2.7	.4	1.5	6.4	2.9	4.5	17.3	11.2	14.1	---	---	---
25	2.7	.2	1.8	6.8	2.4	4.5	15.1	10.0	11.3	---	---	---
26	3.7	2.0	2.8	4.6	2.4	3.4	12.9	7.5	10.0	---	---	---
27	4.1	1.3	2.6	5.6	1.6	3.4	13.6	7.4	10.4	---	---	---
28	3.2	1.3	2.1	6.7	2.0	4.2	13.7	9.1	11.1	---	---	---
29	---	---	---	6.0	2.6	4.4	13.0	6.9	9.9	---	---	---
30	---	---	---	5.0	3.3	3.6	14.2	7.4	10.8	---	---	---
31	---	---	---	5.7	3.2	4.4	---	---	---	---	---	---
MONTH	4.7	-.2	2.0	6.8	-.2	3.2	17.3	3.0	8.7	---	---	---

PAWTUXET RIVER BASIN

01115280 CORK BROOK AT ROCKLAND SCITUATE RD NEAR CLAYVILLE, RI

LOCATION.--Lat $41^{\circ}48'14''$, long $71^{\circ}39'01''$, Providence County, Hydrologic Unit 01090004, on left bank 500 ft downstream from bridge on Rockland Scituate Rd., and 0.8 mi northeast of Crazy Corners.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 2000 to May 2001.
WATER TEMPERATURE: February 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since February 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 193 $\mu\text{S}/\text{cm}$, Dec. 30; minimum, 55 $\mu\text{S}/\text{cm}$, Mar. 22.
WATER TEMPERATURE: Maximum recorded, 19.9°C , May 5; minimum, -0.2°C , on many days during winter period.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE ($\mu\text{CM AT }25^{\circ}\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	113	110	111	115	114	115	105	103	104	88	86	87
2	114	112	113	115	112	114	105	95	102	88	86	87
3	116	113	114	114	112	113	100	92	95	106	86	87
4	115	113	114	113	112	112	105	94	99	103	86	89
5	116	114	115	112	110	111	110	96	105	103	86	90
6	119	116	118	111	110	110	110	95	100	118	86	93
7	119	115	117	113	111	112	102	96	98	109	89	93
8	116	111	113	113	111	112	104	95	97	109	89	93
9	111	110	110	112	110	111	102	96	98	108	91	94
10	111	110	110	112	98	105	108	98	100	107	87	89
11	113	111	112	108	102	105	122	98	102	106	87	89
12	113	110	112	109	107	108	114	103	110	110	88	91
13	113	110	112	107	106	107	103	94	97	106	87	90
14	116	112	114	106	95	103	122	93	103	104	87	91
15	116	115	115	102	97	99	110	101	106	96	83	91
16	118	113	115	102	100	100	114	101	108	100	95	98
17	118	113	115	102	100	100	104	58	79	100	97	99
18	118	108	117	105	102	103	77	70	75	99	87	95
19	122	108	118	107	104	105	82	77	80	103	92	99
20	119	117	118	109	106	108	85	81	82	102	94	99
21	121	116	118	111	108	110	89	78	84	96	86	91
22	119	115	117	112	109	111	96	85	89	96	92	94
23	116	114	115	111	100	106	85	76	80	98	94	96
24	117	114	115	106	96	100	93	80	85	99	95	97
25	120	115	117	104	97	100	88	79	83	106	97	102
MONTH	122	108	115	142	94	103	83	74	79	112	95	101
	118	116	117	99	95	97	85	83	84	113	99	105
	119	115	117	101	98	100	86	84	85	121	98	105
	115	113	114	102	99	101	87	84	85	103	95	99
	115	112	113	104	101	102	193	82	88	142	84	102
	116	113	114	---	---	---	97	84	85	110	100	106

PAWTUXET RIVER BASIN

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01115280 CORK BROOK AT ROCKLAND SCITUATE RD NEAR CLAYVILLE, RI--Continued

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN									
FEBRUARY												
MARCH												
1	116	105	112	141	118	128	85	79	82	106	102	104
2	121	108	116	143	118	126	89	85	87	107	103	105
3	136	102	111	138	126	132	91	88	89	108	105	106
4	113	93	107	136	123	130	95	90	92	108	106	107
5	116	99	106	126	105	114	96	92	94	106	105	106
6	124	98	102	117	102	109	98	93	96	148	101	110
7	113	101	106	119	111	112	98	95	97	114	96	101
8	119	103	112	119	110	113	98	82	91	104	97	100
9	125	115	118	127	115	121	101	94	98	104	98	101
10	134	106	121	142	119	126	104	98	101	106	98	101
11	124	106	115	139	118	130	102	99	101	104	100	101
12	122	117	120	148	126	138	101	97	100	104	99	101
13	135	119	127	149	124	133	102	99	100	101	98	100
14	136	116	128	159	132	148	104	100	101	100	95	97
15	135	128	133	161	145	153	105	100	102	100	95	97
16	135	117	127	154	140	147	105	100	102	99	97	98
17	139	117	132	143	128	137	102	100	102	---	---	---
18	126	115	121	130	124	128	102	99	100	---	---	---
19	131	106	119	129	119	123	102	99	101	---	---	---
20	137	127	132	124	111	116	104	99	101	---	---	---
21	136	114	130	116	76	111	105	100	103	---	---	---
22	119	110	116	80	55	61	109	104	106	---	---	---
23	134	110	119	80	66	74	109	106	108	---	---	---
24	130	111	122	87	80	83	109	106	108	---	---	---
25	142	112	121	90	85	88	108	103	105	---	---	---
MONTH	149	93	120	161	55	114	109	79	99	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER												
NOVEMBER												
1	12.6	10.1	11.4	8.7	7.1	7.8	3.8	2.2	3.0	0.0	-0.1	-0.1
2	13.1	10.8	12.0	10.0	7.3	8.8	2.2	.2	1.4	.0	-.1	-.1
3	14.4	12.0	13.2	10.1	8.2	9.1	.7	-.2	.2	.0	-.1	-.1
4	14.3	12.5	13.6	10.5	7.9	9.1	1.0	-.2	.4	.0	-.1	.0
5	13.8	12.8	13.1	9.1	7.7	8.6	2.0	-.1	1.0	.1	-.1	.0
6	13.6	12.8	13.1	8.5	6.6	7.6	1.2	-.2	.3	.4	.0	.2
7	13.2	11.5	12.2	8.9	6.1	7.6	.5	-.2	.0	.7	.2	.5
8	11.5	9.2	10.1	9.7	7.0	8.3	-.1	-.2	-.1	.8	.2	.5
9	9.3	7.5	8.1	9.4	6.9	8.4	.2	-.2	-.1	.9	.4	.7
10	7.8	6.7	7.3	9.7	8.9	9.3	.1	-.2	.0	.4	-.1	.1
11	9.7	7.1	8.4	9.8	9.4	9.6	1.5	.1	.4	.3	-.1	.1
12	10.6	8.0	9.5	10.6	8.9	9.6	4.5	.6	2.8	.5	-.1	.2
13	11.6	9.1	10.6	9.0	8.4	8.8	.6	-.2	.1	.2	-.2	.0
14	13.6	11.0	12.2	9.3	8.6	9.0	1.6	-.2	.6	.8	-.1	.3
15	14.2	12.5	13.3	9.0	6.6	7.7	1.5	.4	1.0	.9	-.1	.3
16	13.4	10.2	11.7	7.6	6.0	6.8	3.1	.4	1.4	1.3	.5	1.0
17	10.8	9.5	10.2	8.3	5.9	7.3	8.3	3.1	5.8	1.7	.9	1.3
18	11.4	10.3	10.9	6.0	4.4	5.4	5.4	2.5	3.8	1.1	-.1	.7
19	12.1	10.7	11.4	5.8	3.8	5.0	3.2	1.8	2.6	1.3	.5	1.0
20	11.4	9.3	10.5	5.2	2.9	4.0	2.8	.9	2.1	1.1	.1	.9
21	13.0	10.2	11.6	4.5	2.6	3.5	1.7	.2	1.0	.1	-.2	-.2
22	12.3	9.3	10.9	2.8	1.3	2.1	1.9	.6	1.3	.1	-.2	-.1
23	10.0	7.8	9.0	1.9	.3	1.0	.6	-.2	.0	.1	-.2	-.1
24	11.0	8.4	9.7	.8	-.2	.2	.8	-.2	.2	.3	-.2	.0
25	12.3	9.9	11.1	.3	-.2	.1	.4	-.2	-.1	1.0	.0	.4
26	12.8	9.9	11.4	4.0	.1	1.6	-.1	-.2	-.2	.8	-.2	.3
27	12.6	10.8	11.8	6.0	4.0	5.0	.0	-.2	-.1	1.4	.1	.7
28	12.2	8.6	11.1	5.9	4.3	5.1	.0	-.2	-.1	1.4	.1	.7
29	8.6	5.7	6.8	5.3	3.8	4.5	.0	-.2	-.1	.5	-.2	.1
30	6.6	5.2	5.9	4.5	3.3	4.0	-.1	-.2	-.1	.8	-.1	.2
31	7.7	6.1	7.1	---	---	---	-.0	-.1	-.1	2.0	.7	1.2
MONTH	14.4	5.2	10.6	10.6	-.2	6.2	8.3	-.2	.9	2.0	-.2	.3

PAWTUXET RIVER BASIN

01115280 CORK BROOK AT ROCKLAND SCITUATE RD NEAR CLAYVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY												
1	2.6	0.6	1.4	1.6	-0.2	0.3	4.6	3.5	4.0	18.2	11.4	14.5
2	2.6	.4	1.4	1.0	-.2	.3	5.0	2.8	3.9	19.2	12.5	15.8
3	1.6	-.2	.5	2.1	.3	1.0	7.2	2.4	4.6	19.9	14.1	17.0
4	.6	-.2	.1	1.8	.2	.9	8.4	3.1	5.5	19.8	15.2	17.4
5	.8	-.2	.0	.6	-.2	-.1	10.2	3.6	6.5	17.8	14.1	15.9
6	-.1	-.2	-.2	-.2	-.2	-.2	8.5	4.8	6.1	14.1	10.9	12.5
7	.8	-.2	.2	-.1	-.2	-.2	8.9	5.1	6.6	13.6	7.4	10.5
8	1.6	-.2	.7	.4	-.2	.0	6.5	4.6	5.3	14.6	8.7	11.5
9	2.0	.9	1.5	1.2	.2	.6	11.8	5.1	7.9	15.7	10.0	12.7
10	2.2	-.1	1.4	2.4	.5	1.1	12.3	8.3	9.9	16.0	10.6	13.4
11	.5	-.2	-.1	3.6	.0	1.5	10.9	6.9	8.8	17.4	12.8	15.0
12	.0	-.2	-.2	4.1	.2	1.8	8.7	7.7	8.2	18.4	14.1	16.1
13	1.6	-.2	.6	1.2	.5	.8	10.9	7.6	8.8	16.5	13.3	14.5
14	2.1	-.1	1.1	2.4	.4	1.1	12.6	6.7	9.2	13.4	10.8	12.3
15	2.5	.8	1.7	3.5	.3	1.7	13.1	6.6	9.6	12.3	10.4	11.3
16	2.0	.0	.9	4.9	.9	2.4	12.6	7.6	9.8	11.4	10.2	10.6
17	2.5	-.2	1.3	4.9	1.4	2.7	9.7	6.8	8.3	---	---	---
18	.4	-.2	.0	3.6	1.5	2.2	9.2	6.4	7.7	---	---	---
19	.8	-.2	.2	5.3	.9	2.7	11.3	4.7	7.6	---	---	---
20	2.9	.4	1.5	6.1	1.4	3.4	12.8	5.0	8.5	---	---	---
21	3.7	-.2	1.6	3.9	2.2	3.0	13.6	8.7	10.6	---	---	---
22	.2	-.2	-.1	3.0	1.2	2.3	17.7	10.4	13.4	---	---	---
23	.9	-.2	.2	4.3	2.2	3.2	18.2	11.7	14.4	---	---	---
24	1.4	-.2	.5	5.4	2.3	3.8	19.4	11.8	15.2	---	---	---
25	.9	-.2	.3	6.3	2.0	3.8	15.3	10.3	11.9	---	---	---
26	2.5	.4	1.2	4.3	1.9	2.8	14.5	7.8	10.6	---	---	---
27	3.1	.0	1.2	5.2	.9	2.7	15.1	7.6	11.1	---	---	---
28	2.6	-.2	.9	6.6	1.4	3.6	15.3	9.6	11.9	---	---	---
29	---	---	---	5.8	2.1	3.9	14.6	7.1	10.6	---	---	---
30	---	---	---	4.2	2.9	3.3	16.2	7.6	11.8	---	---	---
31	---	---	---	4.8	2.7	3.8	---	---	---	---	---	---
MONTH	3.7	-.2	.7	6.6	-.2	1.9	19.4	2.4	8.9	---	---	---

PAWTUXET RIVER BASIN

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01115297 WILBUR HOLLOW BROOK AT OLD PLAINFIELD PIKE NEAR CLAYVILLE, RI

LOCATION.--Lat 41°45'53", long 71°38'10", Providence County, Hydrologic Unit 01090004, on left bank 500 ft downstream from bridge on Old Plainfield Pike, and 2.2 mi southeast of Rockland.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2000 to May 2001.
WATER TEMPERATURE: January 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since January 2000.

REMARKS.--Records good for temperature, fair for specific conductance.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 126 $\mu\text{S}/\text{cm}$, Oct. 14; minimum, 22 $\mu\text{S}/\text{cm}$, Mar. 22.
WATER TEMPERATURE: Maximum recorded, 23.9°C, May 4; minimum, -0.2°C, on many days during winter periods.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	60	56	58	58	56	57	51	47	49	47	46	46
2	59	55	57	61	58	60	49	47	48	47	46	47
3	59	56	58	62	59	60	51	47	50	48	46	47
4	60	56	59	63	60	61	53	49	52	49	47	48
5	59	58	58	63	58	61	55	51	54	52	48	48
6	59	57	58	60	57	58	56	53	55	61	48	48
7	60	57	59	61	57	59	56	53	55	49	47	48
8	60	55	57	63	60	61	56	53	54	48	47	47
9	56	54	55	61	60	60	58	53	53	48	46	47
10	55	54	55	62	56	58	56	53	55	47	46	46
11	57	54	56	62	57	59	55	53	54	47	46	47
12	59	55	57	58	56	57	58	52	55	47	46	46
13	124	56	61	56	55	56	57	52	54	48	46	47
14	126	57	63	57	53	55	54	51	52	48	47	47
15	64	59	61	57	54	56	55	50	53	50	46	47
16	61	59	60	55	53	54	52	47	51	48	46	47
17	63	59	61	56	53	54	48	34	41	47	44	46
18	63	58	61	56	54	55	34	33	33	45	44	44
19	66	59	63	55	54	54	35	33	34	45	43	44
20	65	60	62	55	53	54	36	32	34	45	41	43
21	65	59	61	60	54	57	36	32	34	41	39	40
22	60	58	59	61	56	59	35	34	35	45	39	39
23	60	57	59	58	56	57	37	34	36	40	39	40
24	60	58	59	59	56	58	39	36	38	41	40	41
25	67	58	62	61	57	60	41	38	40	42	41	42
26	63	58	60	61	55	59	45	41	43	43	42	42
27	66	59	62	60	55	58	46	43	45	43	42	42
28	69	64	66	57	53	55	48	45	46	43	42	43
29	73	68	70	54	51	52	50	46	48	44	42	43
30	68	66	67	52	50	51	48	46	47	46	42	44
31	69	56	64	---	---	---	47	46	46	43	36	39
MONTH	126	54	60	63	50	57	58	32	47	61	36	45

PAWTUXET RIVER BASIN

01115297 WILBUR HOLLOW BROOK AT OLD PLAINFIELD PIKE NEAR CLAYVILLE, RI--Continued

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL			
1	37	36	36	42	37	40	54	41	47	62	58	60
2	38	36	37	41	39	41	53	42	46	63	61	62
3	38	37	38	43	41	42	52	46	49	64	62	63
4	40	38	39	44	42	43	51	46	48	66	63	65
5	41	40	40	43	42	42	51	47	49	66	64	65
6	42	40	41	42	42	42	56	50	52	66	64	65
7	43	41	42	43	42	43	56	49	52	67	64	66
8	42	41	42	44	43	43	55	43	48	69	65	67
9	43	42	42	44	43	43	47	43	45	67	66	66
10	44	36	40	44	42	43	50	46	48	66	64	66
11	37	35	36	44	41	43	50	46	48	67	65	66
12	39	35	37	44	41	42	52	48	50	68	65	66
13	40	38	39	41	33	37	50	48	49	68	64	66
14	41	39	40	33	31	32	51	47	49	66	64	65
15	43	39	41	36	31	35	54	49	52	68	65	67
16	41	39	40	39	35	38	54	51	52	70	68	69
17	42	38	40	39	37	38	52	51	52	---	---	---
18	42	38	40	39	37	38	53	51	52	---	---	---
19	44	40	42	39	37	38	53	50	51	---	---	---
20	45	42	43	41	39	39	53	48	50	---	---	---
21	45	40	43	41	32	40	56	50	53	---	---	---
22	44	40	42	32	22	25	59	54	57	---	---	---
23	43	41	42	34	26	29	60	58	59	---	---	---
24	43	41	42	41	34	37	62	59	61	---	---	---
25	44	42	43	50	37	45	62	59	60	---	---	---
26	43	38	41	59	42	51	64	57	59	---	---	---
27	41	37	39	63	48	56	78	57	59	---	---	---
28	41	37	38	66	47	60	61	56	59	---	---	---
29	---	---	---	64	49	55	59	55	57	---	---	---
30	---	---	---	67	40	55	59	55	57	---	---	---
31	---	---	---	51	38	44	---	---	---	---	---	---
MONTH	45	35	40	67	22	42	78	41	52	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER				NOVEMBER				DECEMBER			
1	14.9	9.3	11.6	7.6	6.2	7.1	3.2	1.8	2.3	0.0	-0.1	-0.1
2	13.7	10.2	12.1	9.3	6.8	8.4	2.3	1.0	1.7	.0	-1.1	-1.1
3	15.6	11.2	13.2	9.5	7.9	8.6	1.9	.9	1.3	.0	-1.1	-1.1
4	15.7	11.8	13.9	10.1	7.8	8.8	1.8	.8	1.3	.1	-1.1	.0
5	13.4	12.9	13.1	8.8	7.3	8.1	1.9	1.0	1.5	.0	-1.1	.0
6	13.9	12.4	13.3	8.6	6.6	7.5	2.0	.8	1.3	.0	-1.1	.0
7	14.8	11.3	12.9	8.9	6.5	7.4	1.4	.6	1.0	.1	-1.1	.0
8	13.5	10.1	11.5	9.1	6.6	7.8	.9	.3	.4	.0	-1.1	.0
9	10.1	8.5	9.4	8.8	6.8	8.1	.9	.1	.3	.0	-1.1	.0
10	9.8	7.8	8.7	8.8	8.0	8.4	.5	.1	.3	.0	-1.1	-1.1
11	11.3	7.7	9.4	8.9	8.6	8.7	1.0	.3	.7	.0	-1.1	.0
12	12.8	7.7	10.1	9.6	8.5	9.0	1.9	.6	1.3	.1	-1.1	.0
13	13.4	8.1	10.7	8.6	8.4	8.5	1.3	.3	.8	.1	-1.1	.0
14	15.2	9.7	12.4	8.7	8.0	8.5	.7	.4	.6	.1	-1.1	.0
15	14.4	11.4	12.9	8.0	6.2	7.3	.9	.3	.6	.0	-2.2	-1.1
16	12.0	10.1	11.0	6.8	5.9	6.4	1.3	.3	.8	.1	-1.1	.0
17	12.2	10.0	11.1	8.1	5.7	6.7	4.0	1.2	2.6	.1	-2.2	.0
18	11.9	10.9	11.4	5.9	4.5	5.2	2.5	1.2	2.0	.0	-2.2	.0
19	12.8	10.2	11.5	5.2	3.8	4.4	1.8	.9	1.4	.1	-1.1	.0
20	13.6	9.7	10.8	4.3	3.5	3.8	1.6	.2	1.0	-.1	-2.2	-1.1
21	14.6	9.6	11.7	4.1	3.0	3.5	.8	.1	.5	-.1	-2.2	-1.1
22	11.8	9.1	10.4	3.6	2.5	3.1	.4	.0	.3	-.1	-2.2	-1.1
23	11.2	7.8	9.2	3.4	2.0	2.6	.3	-.1	.1	.0	-2.2	-1.1
24	12.3	7.8	9.5	3.1	1.4	2.2	.4	-.1	.1	.0	-2.2	-1.1
25	12.1	8.6	10.2	2.4	1.4	1.8	.3	-.2	.0	-.1	-1.1	-1.1
26	14.1	8.9	11.1	2.1	1.5	1.8	.4	-.2	.1	.0	-1.1	-1.1
27	12.5	9.7	11.1	2.7	1.6	2.3	.4	-.1	.1	.0	-1.1	.0
28	12.5	8.3	10.5	2.8	2.0	2.5	.4	-.1	.1	.1	-1.1	.0
29	8.3	6.1	7.3	2.8	2.2	2.6	.4	-.1	.2	.1	-1.1	.0
30	6.8	5.8	6.2	2.6	2.1	2.4	.0	-.2	.0	.0	-2.2	-1.1
31	6.4	5.8	6.2	---	---	---	.0	-.1	-.1	.1	-2.2	-1.1
MONTH	15.7	5.8	10.8	10.1	1.4	5.8	4.0	-.2	.8	.1	-.2	-.1

PAWTUXET RIVER BASIN

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01115297 WILBUR HOLLOW BROOK AT OLD PLAINFIELD PIKE NEAR CLAYVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.2	-0.2	0.0	0.6	-0.2	0.2	4.8	3.4	4.2	20.4	13.8	16.8
2	.2	-.2	.0	.1	-.2	.0	4.9	3.2	4.0	21.4	15.3	18.3
3	.1	-.2	-.1	.3	-.1	.1	6.6	2.9	4.9	22.8	17.0	19.9
4	.1	-.2	-.1	.3	-.1	.1	8.3	4.1	6.2	23.9	18.5	21.1
5	.0	-.2	-.1	-.1	-.2	-.1	10.1	5.1	7.6	20.6	16.5	19.2
6	.0	-.2	-.1	-.1	-.2	-.2	7.7	6.3	7.1	18.3	13.6	16.2
7	.0	-.2	-.1	-.1	-.2	-.2	9.1	6.0	7.4	18.2	12.4	14.7
8	.0	-.2	-.1	.0	-.2	-.1	6.8	5.5	5.9	18.5	11.9	15.0
9	.2	-.1	.1	.0	-.2	-.1	11.8	5.4	9.2	19.9	12.6	15.8
10	.4	-.2	.0	.1	-.2	-.1	14.1	10.1	11.7	19.6	13.7	16.7
11	.1	-.2	-.1	.3	-.2	.0	11.8	9.3	10.5	21.9	15.4	18.5
12	.2	-.2	-.1	.7	-.2	.2	9.8	8.9	9.4	22.8	17.2	19.9
13	.2	-.2	.0	.2	-.2	.0	11.2	8.7	9.8	20.2	15.8	18.1
14	.2	-.2	.0	.4	-.1	.1	13.2	8.4	10.8	17.4	14.1	15.8
15	.3	-.2	.1	1.0	-.1	.6	13.8	9.1	11.5	14.7	13.2	14.0
16	.2	-.2	.0	2.4	.6	1.6	14.2	10.1	11.7	13.2	12.0	12.7
17	.6	-.2	.1	4.0	1.9	3.0	10.9	9.3	10.0	---	---	---
18	.3	-.2	.0	3.9	1.9	2.9	9.8	7.3	8.8	---	---	---
19	.4	-.2	.0	4.8	1.6	3.2	11.4	6.6	9.0	---	---	---
20	.5	-.1	.2	5.5	2.4	4.0	13.1	7.0	10.4	---	---	---
21	.8	-.2	.2	4.5	3.0	3.8	14.4	10.4	12.5	---	---	---
22	.3	-.2	.0	3.2	2.7	3.0	18.7	12.3	15.7	---	---	---
23	.0	-.2	-.1	4.4	2.6	3.6	19.9	14.7	17.1	---	---	---
24	.1	-.2	-.1	5.1	2.8	4.1	20.9	15.2	18.0	---	---	---
25	.0	-.2	-.1	6.1	2.6	4.3	16.0	12.3	14.4	---	---	---
26	.3	-.2	.0	4.5	1.8	3.2	15.5	11.3	13.1	---	---	---
27	.8	-.2	.2	4.8	1.4	3.1	16.1	10.8	13.6	---	---	---
28	.9	-.2	.2	6.1	2.3	4.3	16.5	11.8	13.9	---	---	---
29	---	---	---	5.8	3.3	4.7	15.9	10.8	13.2	---	---	---
30	---	---	---	4.4	3.1	3.7	17.1	11.0	14.4	---	---	---
31	---	---	---	5.1	3.1	4.4	---	---	---	---	---	---
MONTH	.9	-.2	.0	6.1	-.2	1.9	20.9	2.9	10.5	---	---	---

PAWTUXET RIVER BASIN

01115500 PAWTUXET RIVER AT FISKEVILLE, RI

LOCATION.--Lat $41^{\circ}43'58''$, long $71^{\circ}33'01''$, Providence County, Hydrologic Unit 01090004, on left bank 500 ft downstream from Fairground Way, and at Fiskeville.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2000 to May 2001.

WATER TEMPERATURE: January 2000 to May 2001.

INSTRUMENTATION.--Water-quality monitor since January 2000.

REMARKS.--Records good.

EXTREMES FOR THE PERIOD OCTOBER 2000 TO MAY 2001.--

SPECIFIC CONDUCTANCE: Maximum recorded, 285 $\mu\text{S}/\text{cm}$, Dec. 14; minimum, 73 $\mu\text{S}/\text{cm}$, Mar. 31.WATER TEMPERATURE: Maximum recorded, 20.0°C , May 1; minimum, -0.2°C , Dec. 6.

WATER-QUALITY DATA, OCTOBER 2000 TO MAY 2001

SPECIFIC CONDUCTANCE ($\mu\text{CM AT }25^{\circ}\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	110	93	94	113	88	94	108	89	99	123	103	109
2	110	93	95	105	90	95	109	90	100	120	92	106
3	119	93	96	104	89	96	112	93	103	113	91	102
4	112	93	100	106	92	98	112	92	105	120	89	107
5	104	94	101	104	90	97	111	92	100	124	91	109
6	110	94	104	116	90	97	111	94	102	159	103	137
7	108	95	104	108	89	96	126	92	103	121	104	114
8	106	94	104	112	89	96	118	95	111	119	105	112
9	110	93	102	99	89	95	113	94	104	149	106	127
10	105	91	101	97	82	93	110	95	101	111	94	103
11	102	90	100	103	87	97	131	98	109	118	91	104
12	104	90	100	105	90	98	115	94	108	118	96	108
13	108	90	102	104	92	98	114	96	104	121	90	103
14	108	91	102	102	90	97	285	93	153	116	98	106
15	111	94	108	103	88	97	122	104	113	151	101	125
16	111	96	107	110	89	99	119	97	109	133	115	120
17	114	96	109	106	88	98	127	82	106	125	106	115
18	113	86	107	105	88	99	113	85	98	119	102	112
19	118	89	99	108	90	99	126	92	105	139	114	125
20	115	95	101	109	91	100	142	98	113	180	115	133
21	108	95	100	110	92	101	118	100	114	202	107	140
22	102	94	101	110	90	101	172	109	125	126	104	113
23	103	93	100	117	92	102	118	102	113	123	95	109
24	101	93	100	116	92	101	124	98	115	133	99	119
25	103	92	99	115	91	106	120	98	105	125	101	113
26	105	92	99	111	84	99	114	91	101	126	99	112
27	109	94	101	108	85	98	116	93	104	124	107	114
28	103	93	100	100	84	94	119	94	107	121	100	111
29	112	92	99	104	85	98	120	94	106	124	105	112
30	115	89	96	104	86	97	128	99	108	169	104	128
31	96	88	95	---	---	---	140	105	117	138	108	126
MONTH	119	86	101	117	82	98	285	82	108	202	89	115

PAWTUXET RIVER BASIN

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01115500 PAWTUXET RIVER AT FISKEVILLE, RI--Continued

SPECIFIC CONDUCTANCE (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	130	108	118	142	116	126	91	74	82	111	88	91
2	127	111	121	131	112	126	96	75	82	108	87	95
3	122	99	109	128	110	116	100	76	86	116	90	95
4	122	105	116	129	115	124	93	77	85	113	94	98
5	126	88	112	214	108	138	94	79	89	120	95	97
6	220	111	168	217	119	144	95	78	87	102	94	96
7	132	111	126	144	122	133	97	79	90	127	94	98
8	140	111	125	136	119	126	96	78	89	125	95	100
9	134	111	120	177	123	138	88	74	80	115	96	99
10	169	119	130	174	129	148	89	75	85	119	95	100
11	145	110	121	142	121	135	98	76	87	107	96	100
12	137	103	119	138	112	125	103	78	87	123	99	102
13	131	114	122	146	114	127	93	80	87	132	99	105
14	132	115	125	132	114	123	96	79	88	128	101	107
15	150	112	127	130	114	124	98	81	89	129	102	110
16	147	117	128	128	118	124	99	81	95	113	102	110
17	129	114	123	123	113	118	99	83	94	---	---	---
18	133	115	122	125	111	119	100	80	92	---	---	---
19	123	113	119	130	110	121	99	83	90	---	---	---
20	137	115	122	126	114	118	103	82	92	---	---	---
21	130	109	119	120	112	117	105	84	95	---	---	---
22	137	114	121	112	82	96	108	86	100	---	---	---
23	220	112	132	126	96	111	104	83	88	---	---	---
24	126	113	118	122	107	113	104	84	88	---	---	---
25	224	122	156	116	97	105	90	79	81	---	---	---
MONTH	224	88	125	217	73	117	108	74	88	---	---	---

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.2	12.7	13.9	9.7	8.4	9.0	5.7	4.3	5.0	1.6	0.1	0.6
2	16.2	13.9	15.0	10.9	8.9	10.0	4.3	2.7	3.7	1.4	.0	.4
3	16.6	14.3	15.5	11.6	10.1	10.7	2.9	1.9	2.3	1.4	-.1	.4
4	16.4	14.7	15.6	12.0	10.3	11.0	3.9	1.9	2.7	1.5	-.2	.5
5	15.8	14.9	15.3	11.1	9.9	10.6	4.2	2.5	3.2	1.5	-.1	.7
6	15.4	14.7	15.0	10.7	9.2	9.8	3.2	2.2	2.6	2.1	.9	1.3
7	15.3	13.7	14.5	10.5	8.7	9.5	3.1	2.1	2.5	2.3	.7	1.3
8	14.6	13.0	13.7	10.9	9.3	10.0	2.2	2.0	2.1	2.1	.8	1.4
9	13.1	11.1	12.1	10.9	9.4	10.3	2.7	1.5	1.9	2.1	.9	1.6
10	11.5	10.4	10.9	10.7	10.3	10.5	3.1	1.4	2.3	1.5	.2	.7
11	12.4	10.4	11.3	10.7	10.3	10.5	3.5	2.8	3.1	2.0	.0	.8
12	13.6	10.9	12.4	11.1	10.0	10.5	4.8	2.4	3.7	1.8	-.2	.8
13	14.4	12.0	13.3	10.6	10.2	10.4	3.0	2.0	2.5	2.0	-.1	.8
14	15.7	13.2	14.3	10.5	10.0	10.3	3.1	2.3	2.7	2.4	.5	1.3
15	16.0	14.3	15.2	10.0	8.5	9.2	2.8	2.1	2.4	1.9	1.1	1.6
16	15.3	13.5	14.3	8.9	8.0	8.4	4.3	2.3	3.1	2.9	1.6	2.1
17	14.1	13.0	13.5	9.1	7.4	8.3	8.1	4.3	5.9	3.3	1.6	2.2
18	14.2	13.2	13.6	7.9	6.9	7.3	5.9	3.4	5.2	2.7	1.2	1.9
19	14.2	12.2	13.4	7.6	6.2	6.9	4.5	3.4	3.9	2.2	1.9	2.1
20	14.3	11.7	13.1	7.3	6.0	6.5	3.9	2.3	3.3	2.1	1.3	1.9
21	14.8	12.7	13.6	6.7	5.3	6.0	3.0	1.7	2.3	1.6	.3	1.0
22	14.1	12.5	13.3	5.5	4.1	4.8	3.1	2.1	2.6	1.4	-.2	.4
23	13.5	11.7	12.4	4.3	3.0	3.7	2.2	1.0	1.5	1.3	-.2	.5
24	13.4	11.4	12.3	3.7	2.5	3.0	2.5	.9	1.7	2.5	.4	1.1
25	13.9	11.9	12.8	3.9	2.4	3.1	1.6	.2	.9	2.2	.4	1.2
26	14.5	12.3	13.4	4.7	3.1	4.0	.6	-.2	.1	2.5	.5	1.2
27	14.5	13.1	13.8	6.2	4.7	5.5	1.2	.1	.5	2.5	.9	1.7
28	13.9	11.2	13.1	6.8	5.6	6.3	1.2	.2	.5	2.7	.9	1.5
29	11.2	8.8	10.0	7.0	5.8	6.3	1.4	.0	.6	2.7	.5	1.4
30	8.8	7.8	8.3	6.4	5.3	6.0	1.3	-.1	.8	2.3	1.0	1.7
31	8.6	7.8	8.3	---	---	---	1.4	.2	.8	3.1	1.5	2.1
MONTH	16.6	7.8	13.1	12.0	2.4	7.9	8.1	-.2	2.5	3.3	-.2	1.2

PAWTUXET RIVER BASIN

01115500 PAWTUXET RIVER AT FISKEVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY												
1	3.6	1.6	2.3	3.6	1.5	2.2	4.3	3.9	4.1	16.8	13.6	14.9
2	3.2	1.6	2.4	3.0	1.5	2.1	4.6	3.8	4.1	17.9	14.8	16.1
3	2.6	.2	1.3	3.4	2.0	2.5	5.5	3.7	4.5	18.8	15.3	16.9
4	2.4	.3	1.3	3.3	2.0	2.6	6.0	4.0	4.8	20.0	16.7	18.2
5	2.1	-.2	.9	2.6	.0	1.5	7.0	4.2	5.5	18.4	16.1	17.6
6	2.4	.8	1.5	2.2	.8	1.5	5.7	4.8	5.3	17.0	14.0	15.6
7	2.7	.9	1.6	2.3	.9	1.5	6.8	5.0	5.8	16.1	13.4	14.5
8	3.0	1.5	2.1	4.0	.8	2.2	5.8	5.3	5.5	16.5	13.3	14.8
9	3.2	2.0	2.5	3.6	2.1	2.6	7.9	5.2	6.4	17.4	13.7	15.4
10	4.3	1.9	3.2	4.8	2.3	3.2	8.1	6.3	7.0	19.7	14.6	16.6
11	2.4	.2	1.4	5.7	2.2	3.4	8.1	5.7	6.8	20.0	15.4	17.4
12	1.9	-.2	.6	6.1	2.5	3.7	6.4	6.0	6.2	19.8	16.8	18.4
13	3.6	1.0	1.9	4.1	3.1	3.5	7.9	6.2	7.0	19.0	16.7	18.0
14	3.8	1.3	2.5	4.3	2.8	3.3	9.1	6.4	7.7	17.1	15.3	16.1
15	3.7	2.4	3.1	5.3	2.7	3.8	9.6	6.7	8.1	15.3	13.9	14.6
16	3.6	2.0	2.7	6.9	3.4	4.8	9.9	7.4	8.7	13.9	12.7	13.3
17	3.6	1.5	2.5	7.6	4.5	5.6	8.8	7.2	8.2	---	---	---
18	3.0	.8	1.5	6.6	4.5	5.4	8.4	7.5	8.0	---	---	---
19	3.0	.9	1.8	7.2	3.9	5.2	9.9	6.8	8.4	---	---	---
20	4.2	1.9	2.9	8.4	4.3	5.9	10.9	7.5	9.3	---	---	---
21	4.6	2.0	3.2	6.5	5.1	5.7	11.3	8.9	10.1	---	---	---
22	2.8	1.5	2.0	5.3	4.6	5.1	13.3	9.9	11.8	---	---	---
23	3.2	1.3	2.0	5.5	4.6	5.0	13.9	11.3	12.7	---	---	---
24	3.3	1.3	2.1	5.7	4.4	5.2	15.9	11.6	13.5	---	---	---
25	3.0	.9	1.9	5.9	3.8	4.9	14.0	11.0	11.8	---	---	---
26	3.8	2.3	3.0	4.5	3.3	3.8	12.7	10.3	11.4	---	---	---
27	4.2	2.0	2.8	4.9	2.9	3.8	13.2	11.0	12.1	---	---	---
28	4.1	2.0	2.8	5.5	3.2	4.2	14.3	12.0	12.8	---	---	---
29	---	---	---	5.0	3.4	4.2	13.9	11.5	12.5	---	---	---
30	---	---	---	4.4	4.0	4.2	14.6	11.6	13.2	---	---	---
31	---	---	---	4.5	3.9	4.2	---	---	---	---	---	---
MONTH	4.6	-.2	2.1	8.4	.0	3.8	15.9	3.7	8.4	---	---	---

PAWTUXET RIVER BASIN

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01116000 SOUTH BRANCH PAWTUXET RIVER AT WASHINGTON, RI

LOCATION.--Lat 41°41'24", long 71°33'59", Kent County, Hydrologic Unit 01090004, on right bank 150 ft downstream from highway bridge at Washington and 0.9 mi upstream from outlet of Tiogue Lake.

DRAINAGE AREA.--63.8 mi².

PERIOD OF RECORD.--Discharge: October 1940 to current year.

Water-quality records: Water years 1955-1956, 1963.

GAGE.--Water-stage recorder. Datum of gage is 217.76 ft above sea level.

REMARKS.--Records good except those for estimated discharges, which are poor. Flow regulated by Flat River Reservoir 2 mi upstream, usable capacity, 250,000,000 ft³, and smaller reservoirs. Prior to May 1972, diversion from Carr Pond for municipal supply of Coventry, Warwick, and West Warwick. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--61 years, 131 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980 ft³/s, June 6, 1982, gage height, 5.30 ft; minimum daily, 2.8 ft³/s, Aug. 27, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1936 reached a discharge of 1,810 ft³/s, by computation of flow over dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft³/s, Mar. 23, gage height, 3.90 ft; minimum, 30 ft³/s, Sept. 13-21.

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	60	44	184	161	109	163	756	107	157	102	41	35
2	60	43	180	158	105	163	558	106	199	96	40	33
3	60	43	177	156	110	154	450	103	338	87	40	33
4	58	44	175	156	161	86	379	99	317	85	46	32
5	59	44	159	153	165	81	334	94	239	88	44	31
6	60	44	123	153	169	86	306	89	186	93	43	31
7	59	44	121	151	167	83	299	78	157	90	42	31
8	48	44	118	150	164	83	338	57	142	84	40	31
9	45	45	118	131	163	83	389	64	126	82	39	33
10	45	63	115	75	175	92	370	70	112	79	40	33
11	45	63	115	70	171	148	330	71	107	83	41	31
12	44	53	107	69	166	150	306	70	269	85	43	31
13	44	51	77	69	163	172	314	67	353	84	63	31
14	43	55	81	69	163	171	301	65	271	80	66	32
15	42	61	79	75	166	166	275	65	205	76	66	32
16	42	56	77	76	165	166	260	62	166	73	61	30
17	42	54	126	74	168	180	235	60	220	67	54	30
18	43	53	136	73	164	250	188	61	639	46	53	30
19	51	53	113	78	163	247	181	62	594	44	43	30
20	46	54	111	83	163	245	180	60	395	44	60	30
21	45	56	104	79	163	249	184	58	278	44	102	37
22	44	70	101	77	160	558	208	67	219	44	103	39
23	43	71	104	76	160	1000	205	96	208	44	83	35
24	42	71	166	76	157	733	141	165	202	44	68	34
25	42	72	171	76	161	530	86	229	184	42	57	36
26	42	100	169	76	170	426	83	224	164	46	49	35
27	42	162	167	76	166	375	89	425	150	49	45	33
28	42	164	166	74	163	334	101	474	132	50	45	31
29	42	190	164	73	---	303	106	341	117	48	44	31
30	42	189	164	87	---	422	108	250	108	45	40	32
31	44	---	163	114	---	878	---	190	---	43	37	---
TOTAL	1466	2156	4131	3064	4440	8777	8060	4029	6954	2067	1638	973
MEAN	47.3	71.9	133	98.8	159	283	269	130	232	66.7	52.8	32.4
MAX	60	190	184	161	175	1000	756	474	639	102	103	39
MIN	42	43	77	69	105	81	83	57	107	42	37	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	72.3	104	158	170	182	227	214	150	112	63.9	61.0	63.9
MAX	216	354	422	489	327	434	595	294	444	136	168	240
(WY)	1956	1956	1987	1979	1970	1983	1983	1948	1982	1998	1979	1954
MIN	28.5	28.7	34.5	35.9	45.7	106	68.2	55.6	39.2	26.8	23.6	25.5
(WY)	1942	1966	1966	1966	1966	1944	1966	1992	1957	1995	1974	1995

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1941 - 2001

ANNUAL TOTAL	44489		47755			
ANNUAL MEAN	122		131		131	
HIGHEST ANNUAL MEAN					202	1973
LOWEST ANNUAL MEAN					56.9	1966
HIGHEST DAILY MEAN	693	Apr 23	1000	Mar 23	1680	Jun 7 1982
LOWEST DAILY MEAN	39	Sep 12	30	Sep 16	2.8	Aug 27 1944
ANNUAL SEVEN-DAY MINIMUM	40	Sep 8	31	Sep 14	9.3	Jun 23 1980
MAXIMUM PEAK FLOW			1070	Mar 23	1980	Jun 6 1982
MAXIMUM PEAK STAGE			3.90	Mar 23	5.30	Jun 6 1982
INSTANTANEOUS LOW FLOW			30	Sep 13		
10 PERCENT EXCEEDS	213		270		263	
50 PERCENT EXCEEDS	104		84		101	
90 PERCENT EXCEEDS	43		40		29	

PAWTUXET RIVER BASIN

01116500 PAWTUXET RIVER AT CRANSTON, RI

LOCATION.--Lat 41°45'03", long 71°26'44", Providence County, Hydrologic Unit 01090004, on left bank at Cranston, and 0.7 mi upstream from Pocasset River.

DRAINAGE AREA.--200 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1939 to current year.

REVISED RECORDS.--WSP 971: 1940-42. WSP 1381: 1940-41(M). WDR-MA-NH-RI-VT-73-1: 1972 (adjusted monthly and yearly figures only).

GAGE.--Water-stage recorder. Datum of gage is 8.00 ft above sea level.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Flow regulated by powerplants and by Scituate Reservoir 13 mi upstream, Flat River Reservoir, and other reservoirs, combined usable capacity, about 6,000,000,000 ft³. Diversion from Scituate Reservoir for municipal supply of Providence, East Providence, North Providence, Cranston, Greenville, Johnston, East Smithfield, Smithfield, Warwick, West Warwick, Coventry, East Greenwich, and West Greenwich. See table below for figures of diversion and monthend contents in Scituate Reservoir and five smaller reservoirs. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--61 years (water years 1941-current year), 351 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,440 ft³/s, June 7, 1982, gage height, 14.5 ft, from floodmark; minimum daily, 22 ft³/s, Sept. 4, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,120 ft³/s, Mar. 31, gage height, 11.86 ft, minimum, 58 ft³/s, Sept. 14, 15.

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	144	145	294	274	281	281	2700	260	307	234	79	80
2	148	143	283	268	261	e283	1840	258	564	240	77	77
3	136	140	274	255	238	279	1380	249	651	217	76	74
4	143	140	268	252	267	230	1120	240	585	209	99	76
5	142	137	263	251	295	225	968	230	460	222	81	75
6	144	138	218	265	329	260	876	220	375	223	78	73
7	139	136	205	250	318	232	851	211	321	206	76	72
8	132	127	204	243	293	217	1010	185	303	273	72	71
9	122	124	198	243	293	223	1150	182	270	230	69	70
10	118	362	189	183	396	240	1120	186	251	204	86	72
11	116	270	200	163	384	284	974	187	266	212	80	73
12	119	184	206	161	309	e380	934	185	810	216	91	83
13	113	167	174	158	298	543	935	178	627	205	304	83
14	110	189	216	158	286	519	839	174	525	184	147	66
15	108	221	197	208	308	495	732	166	403	176	110	68
16	108	178	177	197	319	510	665	161	343	168	99	78
17	115	166	692	185	339	483	603	156	647	164	91	75
18	123	155	953	185	287	513	539	166	1950	157	97	82
19	183	153	392	235	288	466	483	162	2220	143	83	85
20	142	153	e313	256	278	433	449	157	1440	135	215	80
21	115	150	242	222	286	441	432	152	961	118	290	128
22	113	149	226	196	278	2210	438	187	695	102	182	247
23	118	155	220	189	281	2040	445	244	634	97	149	112
24	125	153	261	187	273	1350	363	612	535	94	124	101
25	116	152	291	179	288	1000	300	488	469	92	104	134
26	115	320	289	179	390	959	265	398	387	107	99	86
27	110	413	291	175	338	1030	263	652	326	108	98	96
28	111	290	291	174	305	967	257	718	289	98	101	98
29	111	296	280	172	---	890	268	576	262	94	94	88
30	117	309	287	254	---	1530	263	413	248	89	87	88
31	146	---	286	325	---	2970	---	350	---	82	83	---
TOTAL	3902	5815	8880	6642	8506	22483	23462	8703	18124	5099	3521	2691
MEAN	126	194	286	214	304	725	782	281	604	164	114	89.7
MAX	183	413	953	325	396	2970	2700	718	2220	273	304	247
MIN	108	124	174	158	238	217	257	152	248	82	69	66
†	4267	4176	4405	4431	4683	5791	5596	5498	5598	5212	4948	4605
††	108	98.8	101	88.5	89.4	93.6	101	133	139	142	138	126

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	191	282	399	457	486	603	603	391	284	172	174	179
MAX	667	1024	1344	1238	1085	1291	1788	848	1237	442	438	698
(WY)	1956	1956	1973	1979	1970	1983	1983	1998	1982	1998	1955	1954
MIN	70.5	82.6	94.0	100	158	239	140	160	93.0	74.9	82.4	83.2
(WY)	1958	1966	1966	1966	1966	1981	1966	1965	1957	1957	1966	1981

PAWTUXET RIVER BASIN

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01116500 PAWTUXET RIVER AT CRANSTON, RI--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
ANNUAL TOTAL	116512	117828	
ANNUAL MEAN	318	323	351
HIGHEST ANNUAL MEAN			595
LOWEST ANNUAL MEAN			126
HIGHEST DAILY MEAN	2160	Apr 23	5170
LOWEST DAILY MEAN	102	Sep 8	22
ANNUAL SEVEN-DAY MINIMUM	106	Sep 5	48
MAXIMUM PEAK FLOW		3120	5440
MAXIMUM PEAK STAGE		11.86	Jun 7 1982
INSTANTANEOUS LOW FLOW		58	14.50
10 PERCENT EXCEEDS	547	651	Jun 7 1982
50 PERCENT EXCEEDS	247	220	101
90 PERCENT EXCEEDS	120	88	

e Estimated

+ Monthend contents, in millions of cubic feet (mcf), in Scituate Reservoir and five smaller reservoirs. Monthend contents on Sept. 30, 2000, 4,573 mcf.

++ Diversions, in cubic feet per second, for municipal supplies. Figures of diversions and monthend contents provided by Providence Water Supply Board.

PAWTUXET RIVER BASIN

01116500 PAWTUXET RIVER AT CRANSTON, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1961 to current year.

REMARKS.--Discharge computed by discharge measurements on the day of sampling. Instantaneous records are representative of the cross section while continuous records are based on point samples.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1969 to September 1981.

WATER TEMPERATURE: November 1961 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 693 $\mu\text{S}/\text{cm}$, Mar. 11, 1980; minimum, 60 $\mu\text{S}/\text{cm}$, Jan. 25, 1979.

WATER TEMPERATURE: Maximum recorded, 30.0°C, July 1, 1964, Aug. 14, 1973; minimum, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV. OF LAND SURFACE DATUM (FT. NGVD) (72000)	DIS- CHARGE, INST. CUBIC FEET (00061)	COLOR COBALT PER SECOND (00080)	DRAIN- AGE (PLAT- INUM- AREA (SQ. MI.) (81024)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, OXYGEN, (PER- DIS- SOLVED OF HG) (MG/L) (00300)	PH DIS- WATER WATER CENT SATUR- ATION (00301)	PH WATER WHOLE FIELD LAB ARD ARD UNITS (00400)	SPE- CIFIC CON- DUCT- ANCE (STAND- (STAND- (STAND- (US/CM) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)

APR												
24...	0810	8.00	377	15	200.00	765	9.3	92	6.6	6.7	212	208
JUN												
19...	0945	8.00	2,350	--	200.00	772	8.3	95	6.2	6.5	107	104
JUL												
17...	0830	8.00	160	12	200.00	765	6.2	71	6.1	6.6	257	258
AUG												
29...	0840	8.00	88	8	200.00	766	6.3	72	6.3	6.7	301	300

TEMPER-	TEMPER-	CALCIUM	MAGNE-	POTAS-	ANC	ALKA-	BICAR-	CHLO-	FLUO-	SULFATE
ATURE	ATURE	DIS-	SIMUM,	SODIUM,	UNFLTRD	LINITY	BONATE	RIDE,	DIS-	DIS-
(DEG C)	(DEG C)	SOLVED	DIS-	SOLVED	TIT 4.5	WAT DIS	WATER	DIS-	SOLVED	SOLVED
(00020)	(00010)	(00915)	(AS CA)	(AS MG)	LAB	TOT IT	DIS IT	SOLVED	(MG/L)	(MG/L)
			(AS K)	(AS NA)	(MG/L)	FIELD	FIELD		(AS F)	(AS SO4)
					AS	AS MG/L AS	MG/L AS			
					CACO3	CACO3	HCO3			
					(00930)	(90410)	(39086)	(00453)	(00940)	(00950)

APR												
24...	17.5	15.0	7.51	1.29	2.70	26.5	10	16	19	43.1	0.2	11.6
JUN												
19...	25.0	22.5	--	--	--	--	--	8	10	--	--	--
JUL												
17...	25.0	22.5	8.63	1.50	3.35	35.5	16	15	19	51.8	.2	14.1
AUG												
29...	26.0	22.0	10.9	1.69	4.16	40.2	18	16	19	59.3	.2	17.7

RESIDUE	SOLIDS,	NITRO-	NITRO-	NITRO-	PHOS-		OXYGEN		COLI-	
TOTAL	AT 105	GEN,	GEN, AM-	GEN,	PHORUS		DEMAND,	E COLI,	FORM,	
AT 105	RESIDUE	AMMONIA	MONIA +	NO2+NO3	ORTHO,	PHOS-	CARBON,	FECAL,		
DEG. C.	AT 105	DIS-	ORGANIC	DIS-	DIS-	PHORUS	ORGANIC	ICAL	0.7	
SUS-	DEG. C.	SOLVED	TOTAL	SOLVED	SOLVED	TOTAL	TOTAL	MTEC MF		
		(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(HIGH	WATER	UM-MF	
		(AS N)	(AS N)	(AS N)	(AS N)	(AS P)	(AS C)	(MG/L)	(COL/	
		(00608)	(00625)	(00631)	(00613)	(00671)	(00665)	(00680)	(00340)	(100 ML)
										(31625)

APR												
24...	<10	134	0.428	0.76	0.398	0.030	0.064	0.122	4.3	13	51	34
JUN												
19...	--	--	.594	.60	.103	E.005	E.010	E.051	6.4	--	680	770
JUL												
17...	<10	156	.305	.66	.731	.117	.144	.187	4.9	14	260	130
AUG												
29...	11	180	E.044	.49	E.666	E.023	E.123	.307	5.0	11	270	150

PAWTUXET RIVER BASIN

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01116500 PAWTUXET RIVER AT CRANSTON, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ALUM-	INUM,	ANTI-	ARSENIC	BARIUM,	BERYL-	CADMIUM	CHRO-	COBALT,	COPPER,
	TOTAL	TOTAL	MONY,	ARSENIC	TOTAL	DIS-	LIUM,	BORON,	DIS-	DIS-
	DIS-	RECOV-	DIS-	ARSENIC	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
	(UG/L)									
	AS AL)	AS AL)	AS SB)	AS AS)	AS AS)	AS BA)	AS BE)	AS B)	AS CD)	AS CU)
	(01106)	(01105)	(01095)	(01000)	(01002)	(01005)	(01010)	(01020)	(01025)	(01040)
APR										
24...	37	90	0.08	0.2	<2	15.4	0.15	23	0.12	<0.8
JUN										
19...	48	142	.09	.2	<2	10.7	.11	14	.04	<.8
JUL										
17...	18	59	.09	.3	<2	14.3	.08	31	.16	<.8
AUG										
29...	18	45	.15	.4	<2	16.4	.13	48	.11	<.8
DATE	IRON,	LEAD,	LITHIUM	MANGA-	MERCURY	MOLYB-	NICKEL,	SELE-	STRON-	STRON-
	TOTAL	DIS-	DIS-	NESE,	TOTAL	DENUM,	DIS-	NIUM,	SILVER,	TIUM,
	RECOV-	DIS-	SOLVED	SOLVED	RECOV-	RECOV-	DIS-	DIS-	DIS-	DIS-
	ERABLE	(UG/L)	(UG/L)	(UG/L)	ERABLE	ERABLE	SOLVED	SOLVED	SOLVED	SOLVED
	(AS FE)	AS PB)	AS LI)	AS MN)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(01045)	(01049)	(01130)	(01056)	(01055)	(71900)	(01060)	(01065)	(01145)	(01080)
APR										
24...	370	0.33	1.0	129	136	<0.01	1.7	3.00	<0.3	<0.2
JUN										
19...	420	.43	.9	36.7	53	.01	.3	.39	E.2	<.2
JUL										
17...	660	.49	1.3	84.8	95	<.01	2.8	3.85	E.2	<.2
AUG										
29...	600	.91	1.6	102	106	<.01	3.7	2.90	.6	<.2
DATE	THAL-	VANA-	ZINC,					URANIUM		
	LIUM,	DIUM,	DIS-	DIS-	SOLVED	SOLVED	PHENOLS	NATURAL	DIS-	
	DIS-	DIS-	SOLVED	SOLVED	(UG/L)	(UG/L)	TOTAL	SOLVED	SOLVED	
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	AS TL)	AS V)	(UG/L)	(UG/L)	(UG/L)	
	(01057)	(01085)	(01090)	(32730)	(22703)					
APR										
24...	0.20	E0.2		16		<16		0.03		
JUN										
19...	<.04	.2		7		--		.03		
JUL										
17...	<.04	.2		15		<16		.03		
AUG										
29...	<.04	E.2		19		<16		<.02		

< Less than
E Estimated

PAWTUXET RIVER BASIN

01116617 PAWTUXET RIVER AT PAWTUXET, RI

WATER-QUALITY RECORDS

LOCATION.--Lat 41°46'03", long 71°24'21", Providence County, Hydrologic Unit 01090004, at Warwick Ave. Road Bridge at Pawtuxet, and 3.2 mi downstream from Cranston Sewage Treatment Plant.

PERIOD OF RECORD.--Water years 1979 to current year.

REMARKS.--Discharge computed by discharge measurements on the day of sampling. Instantaneous records are representative of the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-	BARO-	OXYGEN,	PH	PH	SPE-	SPE-	TEMPER-		
		CHARGE, INST. CUBIC FEET	METRIC COLOR (PLAT- INUM- (MM)	PRES- SURE OF HG)	OXYGEN, DIS- SOLVED (MG/L) (00300)	DIS- SOLVED SATUR- ATION (00301)	WATER WHOLE CENT (00400)	CIFIC CON- DUCT- ANCE (US/CM) (90095)	CIFIC CON- DUCT- ANCE (US/CM) (00095)		
		PER SECOND (00061)	COBALT UNITS (00080)	OF HG (00025)							
APR 24...	0945	534	12	763	8.8	87	7.5	6.7	255	250	19.4
JUN 19...	1400	2,550	--	770	7.9	91	6.7	7.0	132	129	31.2
JUL 17...	1245	208	10	766	5.9	67	6.3	6.9	288	290	22.5
AUG 29...	1240	135	12	766	5.4	62	6.3	6.9	326	332	26.4

DATE	DIS-	MAGNE-	POTAS-	ANC	ALKA-	BICAR-	CHLO-	FLUO-	RESIDUE			
	ATURE WATER (DEG C)	CALCIUM DIS- SOLVED (MG/L) (00010)	SIUM, DIS- SOLVED (MG/L) (00915)	SIUM, DIS- SOLVED (MG/L) (00925)	SODIUM, DIS- SOLVED (MG/L) (00935)	TIT 4.5 LAB SOLVED (00930)	WAT DIS TOT IT FIELD (90410)	WATER DIS IT FIELD (39086)	BONATE DIS IT FIELD (00453)	TOTAL DIS- SOLVED (MG/L) (00940)	SOLVED (MG/L) (00950)	SULFATE (MG/L) (00945)
	AT URE WATER (DEG C)	AS CA (00915)	AS MG (00925)	AS K (00935)	AS NA (00930)	CACO3 (00930)	CACO3 (90410)	HCO3 (00453)	AS CL (00940)	AS F (00950)	AS SO4 (00945)	AS AL (00530)
APR 24...	15.3	9.76	1.64	3.15	31.8	13	22	27	48.4	0.2	14.2	<10
JUN 19...	23.0	--	--	--	--	--	10	12	--	--	--	--
JUL 17...	22.0	11.7	1.90	1.49	38.1	21	22	27	54.3	.3	16.5	10
AUG 29...	22.5	14.3	2.19	4.87	42.4	25	23	28	62.5	.3	20.5	<10

DATE	SOLIDS, RESIDUE AT 105 DEG. C.	NITRO- GEN, AMMONIA	NITRO- GEN, MONIA +	NITRO- GEN, NO2+NO3	PHOS- PHORUS	PHOS- PHORUS	CARBON, ORGANIC	OXYGEN DEMAND, CHEM- ICAL	COLI- FORM, FECAL, MTEC MF	ALUM- INUM, DIS- SOLVED		
	TOTAL (MG/L)	(AS N)	(AS N)	(AS N)	ORTHO, DIS- SOLVED	DIS- SOLVED	TOTAL (MG/L)	(HIGH LEVEL)	WATER UM-MF	(UG/L COLS./ (COLS./ 100 ML)		
	(00500)	(00608)	(00625)	(00631)	(00613)	(00671)	(00665)	(00680)	(00340)	(01106)		
APR 24...	166	0.747	1.1	0.492	0.033	0.050	0.131	4.9	17	79	68	24
JUN 19...	--	.156	1.1	.199	.011	E.013	.236	6.6	--	1,000	1,000	46
JUL 17...	180	.180	.64	1.45	.119	.095	.150	5.0	23	440	270	21
AUG 29...	194	E.056	.53	E1.50	E.055	E.279	.411	5.5	11	240	180	13

PAWTUXET RIVER BASIN

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01116617 PAWTUXET RIVER AT PAWTUXET, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

APR													
24...	89	0.11	0.3	<2	18.4	0.12	32	0.12	<0.8	0.39	1.9	460	
JUN													
19...	174	.15	.3	<2	12.8	.18	23	.05	<.8	.11	1.8	500	
JUL													
17...	45	.13	.5	<2	17.1	.07	45	.09	<.8	.34	3.4	610	
AUG													
29...	33	.18	.7	<2	17.0	E.05	65	.08	<.8	.28	3.0	530	

	MANGA-NESE, MERCURY, MOLYB-, SELENIUM, STRONIUM, THALIUM, VANADIUM											
DATE	LEAD, DIS-	LITHIUM, DIS-	MANGANESE, DIS-	NESE, TOTAL	MERCURY, DENUM,	MOLYB-, DIS-	SELENIUM, DIS-	STRONIUM, DIS-	THALIUM, DIS-	VANADIUM, DIS-		
SOLVED	SOLVED	SOLVED	ERABLE	ERABLE	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
AS PB) (01049)	AS LI) (01130)	AS MN) (01056)	AS MN) (01055)	AS HG) (71900)	AS MO) (01060)	AS NI) (01065)	AS SE) (01145)	AS AG) (01075)	AS SR) (01080)	AS TL) (01057)	AS V) (01085)	

APR 24...	0.27	1.1	156	162	<0.01	1.6	3.44	<0.3	<0.2	51.5	<0.04	0.3
JUN 19...	.59	.9	40.4	54	.01	.4	.73	E.3	<.2	29.0	.06	.4
JUL 17...	.73	1.4	99.8	107	<.01	2.7	3.01	E.3	<.2	55.1	<.04	.2
AUG 29...	.68	1.7	98.7	99	<.01	2.6	3.18	.9	<1.0	65.0	<.04	.4

		ALDRIN,	ALPHA-	CHLOR-	DI-	ENDO-	HEPTA-	HEPTA-	
ZINC,	TOTAL	HCH-D6	DANE,	ELDRIN,	SULFAN	ENDRIN,	CHLOR	CHLOR,	LINDANE
DIS-	IN BOT-	SUR SCD	IN BOT-	IN BOT-	I TOTAL	TOTAL	EPOXIDE	TOTAL	ISODRIN TOTAL
SOLVED	PHENOLS	TOM MA-	1325	TOM MA-	TOM MA-	TOM MA-	BOTTOM	TOM MA-	1325 TOM MA-
DATE	(UG/L)	TOTAL	TERIAL	BED MAT	TERIAL	TERIAL	MATL.	TERIAL	TERIAL
AS ZN)	(UG/L)	(UG/KG)	PERCENT	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
(01090)	(32730)	(39333)	(90504)	(39351)	(39383)	(39389)	(39423)	(39413)	(90568) (39343)

APR														
24...	15	<16	--	--	--	--	--	--	--	--	--	--	--	--
JUN														
19...	8	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL														
17...	15	<16	--	--	--	--	--	--	--	--	--	--	--	--
AUG														
29...	14	<16	<0.2	72.0	3	E0.2	<0.2	<0.2	<0.2	<0.2	<0.2	64	<0.2	

METH-	BI-	P, P'	P, P'	P, P'	TOXA-
OXY-	MIREX,	PHENYL,	DDD,	DDE,	PHENE,
CHLOR,	TOTAL	NONA-	RECOVER	RECOVER	TOTAL
TOT. IN	IN BOT-	CHLORO-	IN BOT-	IN BOT-	NATURAL
BOTTOM	TOM MA-	SUR SCD	TOM MA-	TOM MA-	DIS-
DATE	MATL.	TERIAL	1325	TERIAL	SOLVED
(UG/KG)	(UG/KG)	PERCENT	(UG/KG)	(UG/KG)	(UG/L)
(39481)	(39758)	(90575)	(39363)	(39368)	(AS U)
			(39373)	(39519)	(22703)