

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)

	1997	1998	1999	2000	2001
MEAN	15.7	11.8	10.3	4.24	2.91
MAX	29.7	24.0	19.1	6.11	6.74
(WY)	2001	1999	2001	2000	2000
MIN	.75	.42	4.83	.33	.32
(WY)	2000	2000	2000	2001	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1997 - 2001

ANNUAL TOTAL	4866.60	4504.77	
ANNUAL MEAN	13.3	12.3	9.97
HIGHEST ANNUAL MEAN			12.8
LOWEST ANNUAL MEAN			6.14
HIGHEST DAILY MEAN	37	Apr 21	37
LOWEST DAILY MEAN	.03	Nov 19	.01
ANNUAL SEVEN-DAY MINIMUM	.04	Nov 17	.04
MAXIMUM PEAK FLOW			35
MAXIMUM PEAK STAGE			1.84
INSTANTANEOUS LOW FLOW			.00
10 PERCENT EXCEEDS	31	30	27
50 PERCENT EXCEEDS	6.4	9.1	5.6
90 PERCENT EXCEEDS	.54	.27	.31

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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 µS/cm, March 20, 2001; minimum, 163 µS/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 µS/cm, March 20; minimum, 163 µS/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 (µS/CM AT 25°C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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
26	1,450	1,360	1,420	729	669	691	737	729	733	762	728	742
27	1,460	1,380	1,430	708	660	674	744	731	737	786	732	763
28	1,500	1,410	1,460	715	658	685	745	734	739	763	733	748
29	---	---	---	705	659	688	747	732	739	757	730	739
30	---	---	---	694	613	652	748	737	743	817	734	777
31	---	---	---	650	618	633	---	---	---	788	753	767
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
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
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	MAX	MIN	MEAN	MAX	MIN	MEAN	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

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)

	1998	1998	2001	1999	1998	2001	1998	1998	1998	1998	1998	2001
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	2.06	3.19	.82	.47	.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		
ANNUAL MEAN	.91	.91	
HIGHEST ANNUAL MEAN		.91	2001
LOWEST ANNUAL MEAN		.91	2001
HIGHEST DAILY MEAN	36	50	Jun 13 1998
LOWEST DAILY MEAN	.13	.07	Oct 1 1997
ANNUAL SEVEN-DAY MINIMUM	.17	.07	Oct 13 1997
MAXIMUM PEAK FLOW	119	119	Jun 17 2001
MAXIMUM PEAK STAGE	3.82	3.82	Jun 17 2001
INSTANTANEOUS LOW FLOW	.12	.12	Sep 26 2001
ANNUAL RUNOFF (CFSM)	1.89	1.89	
ANNUAL RUNOFF (INCHES)	25.70	25.72	
10 PERCENT EXCEEDS	1.7	2.2	
50 PERCENT EXCEEDS	.46	.54	
90 PERCENT EXCEEDS	.22	.17	

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 μ S/cm, Oct. 18.

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

SPECIFIC CONDUCTANCE (μ S/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	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

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

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	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
26	13.0	12.4	12.8	10.8	6.6	9.2	8.1	7.3	7.7	8.4	7.7	8.1
27	13.1	12.6	12.9	11.1	9.1	10.4	8.5	8.1	8.3	9.0	8.1	8.5
28	12.9	12.1	12.6	11.6	10.9	11.3	8.4	8.1	8.3	8.7	8.0	8.4
29	12.1	11.8	11.9	11.5	11.0	11.3	8.8	8.1	8.4	8.5	7.6	8.1
30	12.4	7.6	11.3	11.2	8.3	10.2	8.9	3.0	7.2	8.7	1.8	6.0
31	11.5	7.8	9.5	---	---	---	8.1	4.8	7.3	7.1	3.7	5.8
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	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

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	53	39	.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)

	1999	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
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	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	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								31.6			
HIGHEST ANNUAL MEAN										35.9			2000
LOWEST ANNUAL MEAN										27.2			2001
HIGHEST DAILY MEAN	143	Apr 25				320	Mar 23			320	Mar 23		2001
LOWEST DAILY MEAN	1.1	Aug 19				.00	Jan 22			.00	Jan 22		2001
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 8				.00	Jan 22			.00	Jan 22		2001
MAXIMUM PEAK FLOW						479	Mar 23			479	Mar 23		2001
MAXIMUM PEAK STAGE						5.27	Mar 23			5.27	Mar 23		2001
INSTANTANEOUS LOW FLOW						.00	Jan 21			.00	Aug 18		2000
10 PERCENT EXCEEDS		79				59				73			
50 PERCENT EXCEEDS		40				7.7				19			
90 PERCENT EXCEEDS		5.8				.05				.17			

e Estimated

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
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

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 CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (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 ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)
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--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1966-68, 1999-2001.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JUN	07...	1500	33	3.2	755	7.6	85	7.2	281	23.4	20.4	12.1
JUL	03...	1210	137	5.2	765	8.7	96	6.9	207	24.1	20.6	9.74
	24...	1230	11	2.0	756	7.8	95	7.2	331	32.4	25.0	15.9
AUG	14...	1810	69	3.5	758	8.7	100	7.0	287	25.9	22.3	12.8
SEP	12...	1410	4.8	1.7	763	10.6	119	7.4	662	29.4	20.8	19.2

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	
JUN	07...	3.30	1.61	33.7	61.6	<0.2	5.8	6.8	178	E0.025	0.37	0.48
JUL	03...	2.32	1.70	24.9	42.9	<.2	7.0	6.3	141	.043	.49	.62
	24...	4.07	2.12	42.5	76.8	<.2	6.5	7.7	182	E.025	.31	.35
AUG	14...	3.43	2.38	34.3	59.5	<.2	6.5	10.7	164	<.040	.36	.51
SEP	12...	4.26	3.04	95.5	149	E.2	4.6	8.9	344	<.040	1.1	1.3

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 ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
JUN	07...	0.246	0.006	0.020	<0.020	0.040	8.1	9.3	7.6	0.7	500	97.9
JUL	03...	.153	.009	.022	<.020	.050	10	12	8.5	2.3	470	60.1
	24...	.323	E.004	.015	<.020	.024	5.9	6.4	3.4	1.2	460	91.8
AUG	14...	.224	E.005	.016	<.020	.044	6.0	7.4	6.5	2.8	310	99.6
SEP	12...	.589	E.003	.035	.019	.044	4.2	4.9	4.9	.3	200	74.9

< Less than
E Estimated

NEPONSET RIVER BASIN

011055566 NEPONSET RIVER AT MILTON VILLAGE, MA

LOCATION.--Lat 42°16'15", long 71°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)

	1997	1998	1999	2000	2001
MEAN	122	161	300	366	445
MAX	244	274	860	577	611
(WY)	1999	1997	1997	1999	2001
MIN	20.9	96.6	85.0	164	272
(WY)	1998	1999	1999	2001	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1997 - 2001

ANNUAL TOTAL	93639	105966		
ANNUAL MEAN	256	290		303
HIGHEST ANNUAL MEAN				426
LOWEST ANNUAL MEAN				248
HIGHEST DAILY MEAN	1120	Apr 26	2040	Mar 25
LOWEST DAILY MEAN	36	Oct 12	18	Sep 13
ANNUAL SEVEN-DAY MINIMUM	41	Oct 10	24	Sep 7
MAXIMUM PEAK FLOW			2250	Mar 30
MAXIMUM PEAK STAGE			36.48	Mar 30
INSTANTANEOUS LOW FLOW			9.5	Sep 17
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
	FEBRUARY			MARCH			APRIL			MAY		
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	16.46	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	---	---	---	---	---	---	.00	.00	.80	.01	.00	.00
3	---	---	---	---	---	---	.00	.00	.08	.00	1.45	.00
4	---	---	---	---	---	---	.00	.00	.00	.00	.10	.10
5	---	---	---	---	---	---	.00	.00	.00	.43	.00	.00
6	---	---	---	---	---	---	.21	.00	.00	.00	.00	.00
7	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	---	---	---	---	---	---	.41	.00	.00	.11	.00	.00
9	---	---	---	---	---	---	.04	.00	.00	.00	.00	.00
10	---	---	---	---	---	---	.00	.00	.00	.38	.66	.00
11	---	---	---	---	---	---	.00	.00	.85	.03	.00	.00
12	---	---	---	---	---	---	.45	.00	.47	.00	.71	.00
13	---	---	---	---	---	---	.00	.00	.00	.00	.70	.09
14	---	---	---	---	---	---	.00	.01	.00	.08	.00	.37
15	---	---	---	---	---	---	.00	.03	.00	.00	.00	.00
16	---	---	---	---	---	---	.00	.06	.00	.00	.00	.00
17	---	---	---	---	---	---	.00	.00	3.08	.13	.35	.00
18	---	---	---	---	---	---	.23	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.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 BACK RIVER BASIN

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)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001			
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	1981	1980	1981	1985	1986	1999	1991	1971	1980																											

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	3187.56	3150.42	
ANNUAL MEAN	8.71	8.63	9.15
HIGHEST ANNUAL MEAN			14.4
LOWEST ANNUAL MEAN			3.91
HIGHEST DAILY MEAN	97	Apr 22	361
LOWEST DAILY MEAN	.84	Jul 15	.05
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 7	.06
MAXIMUM PEAK FLOW			290
MAXIMUM PEAK STAGE			5.24
INSTANTANEOUS LOW FLOW			.42
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)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001			
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	1981	1980	1985	1985	1981	1999	1971	1966	1980																											

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR
ANNUAL TOTAL	21614.4	22933.1						
ANNUAL MEAN	59.1	62.8						
HIGHEST ANNUAL MEAN							63.0	
LOWEST ANNUAL MEAN							97.3	1998
HIGHEST DAILY MEAN	472	Apr 23	1040	Mar 23	1260	Mar 19	1968	
LOWEST DAILY MEAN	6.5	Sep 14	5.4	Sep 20	.18	Sep 27	1980	
ANNUAL SEVEN-DAY MINIMUM	7.7	Sep 8	6.0	Sep 14	.38	Sep 26	1980	
MAXIMUM PEAK FLOW			1110	Mar 23	1390	Mar 18	1968	
MAXIMUM PEAK STAGE			6.49	Mar 23	7.13	Mar 18	1968	
INSTANTANEOUS LOW FLOW			5.0	Aug 7	.14	Sep 26	1980	
ANNUAL RUNOFF (CFSM)	1.95	2.07						
ANNUAL RUNOFF (INCHES)	26.54	28.16						
10 PERCENT EXCEEDS	128	129			140			
50 PERCENT EXCEEDS	41	39			41			
90 PERCENT EXCEEDS	13	11			7.3			

JONES RIVER BASIN

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)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001			
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)	1967	1973	1977	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	32.8
HIGHEST ANNUAL MEAN			54.6
LOWEST ANNUAL MEAN			14.9
HIGHEST DAILY MEAN	190	Apr 23	527
LOWEST DAILY MEAN	8.5	Oct 4	.59
ANNUAL SEVEN-DAY MINIMUM	9.2	Sep 8	1.1
MAXIMUM PEAK FLOW			575
MAXIMUM PEAK STAGE			5.88
INSTANTANEOUS LOW FLOW			.58
10 PERCENT EXCEEDS	69	76	65
50 PERCENT EXCEEDS	24	24	24
90 PERCENT EXCEEDS	13	11	9.1

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)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
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

	2000 CALENDAR YEAR	2001 WATER YEAR	WATER YEARS 1989 - 2001
ANNUAL TOTAL	5104.3	5519.8	
ANNUAL MEAN	13.9	15.1	15.7
HIGHEST ANNUAL MEAN			21.8
LOWEST ANNUAL MEAN			12.4
HIGHEST DAILY MEAN	24	Apr 22	41
LOWEST DAILY MEAN	8.0	Jan 1	5.9
ANNUAL SEVEN-DAY MINIMUM	8.9	Jan 1	7.2
MAXIMUM PEAK FLOW		39	Mar 30
MAXIMUM PEAK STAGE		2.90	Mar 30
INSTANTANEOUS LOW FLOW		7.4	Jan 8
10 PERCENT EXCEEDS	18	21	23
50 PERCENT EXCEEDS	13	14	14
90 PERCENT EXCEEDS	11	11	11

SLOCUMS RIVER BASIN

01105933 PASKAMANSET RIVER NEAR SOUTH DARTMOUTH, MA

LOCATION.--Lat 41°35'07", long 70°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	1.6
22	5.5	15	103	73	36	193	63	13	89	6.5	42	4.8
23	5.0	14	88	62	32	346	57	20	74	6.0	27	3.3
24	4.8	13	76	51	31	330	51	78	67	5.6	22	2.1
25	4.6	12	65	40	32	283	46	188	55	5.2	19	1.5
26	4.3	16	56	35	77	235	41	181	41	25	17	1.5
27	4.3	52	46	32	97	195	37	142	32	90	15	1.3
28	4.4	56	34	30	88	162	34	111	27	92	14	1.2
29	5.5	49	27	28	---	134	32	104	22	59	12	1.1
30	5.3	34	25	34	---	256	29	95	20	26	11	1.0
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)

	1995	1996	1997	1998	1999	2000	2001
MEAN	35.2	39.2	54.6	69.5	80.3	112	101
MAX	105	69.2	150	120	145	186	147
(WY)	1997	1996	1997	1998	1998	2001	2001
MIN	3.97	21.8	16.1	36.1	55.1	60.2	32.0
(WY)	1998	2001	1999	2001	2000	1997	1999

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	741	741
LOWEST DAILY MEAN	2.9	2.4	.47
ANNUAL SEVEN-DAY MINIMUM	4.3	2.7	.55
MAXIMUM PEAK FLOW		772	772
MAXIMUM PEAK STAGE		14.33	14.33
INSTANTANEOUS LOW FLOW		2.1	.38
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--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. ABOVE NGVD) (72000)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	
APR	19...	0930	9.61	1,040	60	258.00	780	8.7	73	6.7	6.7	197	195
JUN	18...	1300	9.61	1,120	--	258.00	767	4.5	51	6.0	6.6	158	146
JUL	17...	1340	9.61	162	40	258.00	760	5.4	61	6.8	6.9	249	254
SEP	05...	1415	9.61	101	30	258.00	767	6.3	71	6.6	7.1	280	280

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD LAB AS CACO3 (90410)	ALKA-LINITY TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	
APR	19...	17.0	8.7	7.11	1.87	1.84	25.1	11	12	14	40.2	E0.1	8.9
JUN	18...	31.5	22.0	--	--	--	--	--	15	18	--	--	--
JUL	17...	24.5	21.2	11.3	2.53	2.89	30.7	20	18	22	50.5	E.1	9.3
SEP	05...	25.1	21.2	11.3	2.70	3.37	34.0	21	18	22	56.9	<.2	12.3

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	
APR	19...	<10	144	0.237	0.72	0.375	0.030	0.021	E0.059	10	22	40	39
JUN	18...	--	--	.306	.47	.703	.039	.079	E.050	16	--	2,900	5,900
JUL	17...	<10	170	.058	.57	1.40	.038	.041	.113	13	28	47	29
SEP	05...	<10	172	<.040	.55	E1.46	E.005	E.044	.101	7.9	27	43	56

TAUNTON RIVER BASIN

01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA--Continued

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

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS SB) (01105)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (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- 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 19...	91	153	0.09	0.5	<2	15.3	<0.06	19	E0.03	<0.8	0.38	1.7
JUN 18...	101	519	.17	.9	E1	14.1	<.06	29	.04	<.8	.48	3.1
JUL 17...	28	76	.12	.7	E1	16.1	<.06	45	.04	<.8	.52	1.4
SEP 05...	15	59	<.05	.6	<2	13.4	<.06	53	<.04	<.8	.37	1.6

DATE	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)	MANGA- 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)	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)
APR 19...	580	0.51	0.6	63.1	69	<0.01	E0.2	0.72	<0.3	<0.2	45.2	<0.04
JUN 18...	2,200	1.82	1.0	124	183	.02	.4	1.55	E.3	<.2	39.9	.09
JUL 17...	790	.45	1.0	196	237	<.01	.4	.95	<.3	<.2	62.2	.05
SEP 05...	870	.52	1.1	144	148	<.01	.5	.95	<.3	<.2	65.2	<.04

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L) (32730)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	ALPHA- HCH-D6 SUR SCD 1325 BED MAT PERCENT (90504)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED MAT PERCENT (90568)
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	<0.2	68

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	BI- PHENYL, NONA- CHLORO- SUR SCD 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 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

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)

	30.4	60.0	90.7	101	108	156	136	82.5	53.6	24.9	21.6	20.8
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	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR
ANNUAL TOTAL	24970.6	26059.0				
ANNUAL MEAN	68.2	71.4				
HIGHEST ANNUAL MEAN			123	1984		
LOWEST ANNUAL MEAN			28.8	1966		
HIGHEST DAILY MEAN	443	Apr 23	648	Mar 23	1280	Mar 19 1968
LOWEST DAILY MEAN	5.0	Sep 11	4.0	Sep 13	.30	Sep 10 1926
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep 8	4.1	Sep 12	.62	Aug 30 1993
MAXIMUM PEAK FLOW			701	Mar 23	1460	Mar 19 1968
MAXIMUM PEAK STAGE			9.64	Mar 23	11.47	Mar 19 1968
INSTANTANEOUS LOW FLOW			4.0	Sep 12	.30	Sep 10 1926
10 PERCENT EXCEEDS	154		176		168	
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-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JUN	08...	0900	57	1.9	754	7.9	85	6.7	269	17.1	18.2	10.1
JUL	02...	1720	81	4.0	760	7.7	88	6.6	232	24.0	22.1	9.28
	23...	1700	14	1.5	757	7.5	91	6.9	317	28.4	24.6	12.5
AUG	13...	1150	71	7.0	759	7.5	85	6.5	193	25.4	21.6	8.59
SEP	10...	1700	4.4	.9	760	6.8	79	6.9	287	24.4	22.4	12.2

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	
JUN	08...	2.26	1.41	34.3	64.2	<0.2	5.0	5.8	175	0.045	0.40	0.52
JUL	02...	1.88	1.40	31.8	55.8	<.2	7.1	6.2	158	E.036	.45	.53
	23...	2.72	1.74	43.7	77.6	<.2	4.0	5.5	166	E.025	.33	.33
AUG	13...	1.88	1.72	22.2	36.7	<.2	4.5	8.3	110	.049	.35	2.0
SEP	10...	2.69	2.15	33.8	61.0	<.2	3.8	7.9	148	<.040	.29	.37

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 ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PERI-PHYTON CHROMO-FLUOROM (MG/M2) (70957)	CHLOR-A PHYTO-PLANK-TON CHROMO-FLUOROM (UG/L) (70953)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
JUN	08...	0.127	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	95.5
	23...	.163	E.004	.012	<.020	.020	5.9	6.6	3.8	.7	340	65.7
AUG	13...	.215	.010	.020	<.020	.069	6.0	8.4	4.6	3.5	320	166
SEP	10...	.142	<.006	.011	<.020	.016	5.7	6.8	3.6	.7	190	74.9

< Less than
E Estimated

TEN MILE RIVER BASIN

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		1998
LOWEST ANNUAL MEAN										67.5		1995
HIGHEST DAILY MEAN	784	Apr 23	925	Mar 31	1380	Jun 15	1998					
LOWEST DAILY MEAN	21	Oct 29	20	Sep 12	6.6	Apr 19	1991					
ANNUAL SEVEN-DAY MINIMUM	25	Sep 8	22	Sep 12	12	Aug 31	1993					
MAXIMUM PEAK FLOW			1030	Mar 31	1450	Jun 15	1998					
MAXIMUM PEAK STAGE			7.30	Mar 31	8.50	Jun 15	1998					
INSTANTANEOUS LOW FLOW			17	Oct 29	5.0	Apr 19	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 Bummatt 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)

	20.5	32.3	43.3	47.6	53.5	78.4	77.3	51.6	38.0	19.5	17.0	15.1
MEAN	20.5	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	130
(WY)	1956	1956	1997	1979	1970	1972	1987	1954	1982	1959	1955	1954
MIN	1.22	1.80	3.07	7.85	11.0	29.4	22.5	18.7	2.81	2.67	.050	.70
(WY)	1943	1942	1942	1981	1977	1989	1966	1999	1999	1965	1999	1995

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		368	820
MAXIMUM PEAK STAGE		3.47	5.15
INSTANTANEOUS LOW FLOW		.03	
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

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 to December 1980.

pH: July 1969 to December 1980.

WATER TEMPERATURE: July 1969 to December 1980.

DISSOLVED OXYGEN: July 1969 to December 1980.

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,000 µS/cm, May 30, June 3, 5, 1975; minimum, 49 µS/cm, June 30, 1973.

pH: Maximum recorded, 9.3 units, Sept. 10, 1976; minimum, 4.3 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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC DUCT-ANCE LAB (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
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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

DATE	TEMPER-ATURE (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD LAB AS CAC03 (90410)	ALKA-LINITY WAT DIS TOT IT MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL DEG. C, SUS-PENDED (MG/L) (00530)
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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

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
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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

0111230 BLACKSTONE RIVER AT MILLVILLE, MA--Continued

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

DATE	ALUM- 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)	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
APR 18...	133	0.17	1.0	E2	22.1	E0.04	30	0.36	E0.4	0.34	3.8	510
JUN 19...	276	.26	1.6	2	17.1	E.05	22	.32	E.6	.18	5.5	940
JUL 17...	91	.39	1.5	2	18.5	<.06	55	.41	E.6	.19	4.2	590
SEP 05...	68	.37	2.5	3	16.3	<.06	118	.59	E.6	.29	6.9	520

DATE	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)	MANGA- 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)	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)
APR 18...	0.60	1.7	91.0	104	<0.01	0.7	3.21	<0.3	<0.2	85.0	<0.04	0.3
JUN 19...	1.35	.9	47.0	70	.02	.9	3.79	<.3	<.2	53.1	<.04	.5
JUL 17...	.47	1.3	45.6	60	<.01	1.8	5.05	E.2	<.2	90.1	<.04	.3
SEP 05...	.83	2.6	74.5	98	<.01	5.3	11.8	.3	<.2	107	<.04	.5

DATE	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L AS ZN) (32730)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	ALPHA- HCH-D6 SUR SCD BED MAT PERCENT (90504)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR EPOXIDE TOT. IN MABL. (UG/KG) (39423)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED PERCENT (90568)	LINDANE TOTAL IN BOT- TOM MA- MATERIAL (UG/KG) (39343)
APR 18...	20	<16	--	--	--	--	--	--	--	--	--	--
JUN 19...	15	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	13	<16	--	--	--	--	--	--	--	--	--	--
SEP 05...	23	<16	<0.2	77.0	3	0.9	<0.2	<0.2	<0.2	<0.2	67	<0.2

DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MABL. (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	BI- PHENYL, NONA- CHLORO- SUR SCD 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...	--	--	--	--	--	--	--	--	0.03
JUN 19...	--	--	--	--	--	--	--	--	.04
JUL 17...	--	--	--	--	--	--	--	--	.02
SEP 05...	<2	<0.2	62.0	<0.5	1.9	0.6	17	<50	<.02

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 DATUM (FT. ABOVE NGVD) (72000)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD ARD UNITS) (00400)	PH WATER WHOLE LAB ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	
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
DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT DIS TOT IT (MG/L AS CACO3) (39086)	BICAR-BONATE WATER DIS IT (MG/L AS HCO3) (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
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
DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI-FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)
APR												
18...	<10	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

01111500 BRANCH RIVER AT FORESTDALE, RI--Continued

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

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	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)	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	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)	MANGA- 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- 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

0112900 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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
APR												
23...	1200	973	12	430.63	769	9.7	97	6.7	6.9	333	325	27.3
JUN												
19...	1230	3,300	--	430.63	766	8.5	97	6.5	6.6	154	150	31.5
JUL												
18...	0945	362	20	430.63	762	8.2	93	6.7	6.9	333	355	22.5
AUG												
28...	1330	193	18	430.63	759	8.1	98	6.2	7.0	400	401	28.1

DATE	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)	ALKA-LINITY TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE DIS IT FIELD (MG/L AS HCO3) (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
APR												
23...	15.8	12.4	2.13	2.85	43.0	13	19	24	74.4	0.2	13.6	<10
JUN												
19...	22.0	--	--	--	--	--	9	10	--	--	--	--
JUL												
18...	21.5	12.4	2.25	3.86	44.3	20	24	30	69.6	.4	18.5	<10
AUG												
28...	24.5	14.8	2.70	5.35	50.2	21	25	30	77.8	.5	26.1	10

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L) AS AL) (01106)
APR												
23...	194	0.720	1.2	0.690	0.049	0.055	0.144	5.3	12	51	27	29
JUN												
19...	--	.074	.13	.271	.020	.040	<.060	12	--	1,800	1,400	107
JUL												
18...	208	.336	.87	1.08	.026	.223	.295	6.9	22	230	73	25
AUG												
28...	232	E.693	1.4	E1.32	E.035	E.239	.390	6.9	18	E8,100	4,100	12

BLACKSTONE RIVER BASIN

01112900 BLACKSTONE RIVER AT MANVILLE, RI--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)	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)	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

DATE	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)	MANGA- 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)	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)
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

DATE	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L AS ZN) (32730)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	ALPHA- HCH-D6 1325 BED MAT PERCENT (90504)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG) (39423)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	ISODRIN 1325 BED MAT PERCENT (90568)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)
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

DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	BI- PHENYL, NONA- CHLORO- SUR SCD 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 23...	--	--	--	--	--	--	--	--	0.02
JUN 19...	--	--	--	--	--	--	--	--	.04
JUL 18...	--	--	--	--	--	--	--	--	.03
AUG 28...	<2	<0.2	75.0	<0.5	3.8	<0.5	20	<50	<.02

BLACKSTONE RIVER BASIN

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)

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	1.79	4.36	6.96	5.45	7.57	18.0	15.1	6.52
MAX	3.27	4.89	8.00	6.21	9.29	23.6	15.8	8.96
(WY)	2000	2000	2001	2000	2000	2001	2000	2001
MIN	.31	3.84	5.93	4.70	5.79	12.4	14.4	4.08
(WY)	2001	2001	2000	2001	2001	2000	2000	2000

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	119
MAXIMUM PEAK STAGE		3.15	3.15
INSTANTANEOUS LOW FLOW		.00	.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

WOONASQUATUCKET RIVER BASIN

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)

	38.8	59.7	85.1	92.6	104	142	130	86.1	58.4	31.8	28.6	30.1
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	73.8
HIGHEST ANNUAL MEAN			119
LOWEST ANNUAL MEAN			31.5
HIGHEST DAILY MEAN	383	Apr 22	986
LOWEST DAILY MEAN	8.6	Oct 30	8.6
ANNUAL SEVEN-DAY MINIMUM	10	Oct 24	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)

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	4.47	7.78	11.9	16.7	16.6	22.0	19.2	12.1
MAX	15.7	14.4	33.6	23.9	22.4	29.6	30.2	23.5
(WY)	1997	1996	1997	1996	1998	2001	1997	1998
MIN	.51	3.04	3.08	5.33	10.3	16.2	9.40	6.99
(WY)	1998	2001	1999	2001	2001	1995	1999	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1994 - 2001

ANNUAL TOTAL	3056.15	3262.56		
ANNUAL MEAN	8.35	8.94	10.5	
HIGHEST ANNUAL MEAN			14.1	1998
LOWEST ANNUAL MEAN			7.17	1995
HIGHEST DAILY MEAN	72	Apr 22	117	Jan 20 1996
LOWEST DAILY MEAN	.37	Oct 14	.00	Sep 16 1995
ANNUAL SEVEN-DAY MINIMUM	.40	Oct 10	.01	Sep 10 1995
MAXIMUM PEAK FLOW	149	Mar 22	180	Oct 20 1996
MAXIMUM PEAK STAGE	2.44	Mar 22	2.48	Jul 1 1998
INSTANTANEOUS LOW FLOW	.32	Oct 15	.00	Sep 13 1995
ANNUAL RUNOFF (CFSM)	1.68		2.11	
ANNUAL RUNOFF (INCHES)	22.92		28.64	
10 PERCENT EXCEEDS	19		24	
50 PERCENT EXCEEDS	5.7		6.3	
90 PERCENT EXCEEDS	.64		.58	

PAWTUXET RIVER BASIN

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	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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 (μ /CM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	---	---	---
26	165	154	160	105	100	103	141	135	138	---	---	---
27	163	161	162	111	102	106	144	136	139	---	---	---
28	163	161	163	112	107	109	143	136	139	---	---	---
29	---	---	---	108	104	107	142	138	139	---	---	---
30	---	---	---	109	92	103	144	138	140	---	---	---
31	---	---	---	113	105	108	---	---	---	---	---	---
MONTH	178	134	154	185	92	141	144	102	124	---	---	---

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

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

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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 $\mu\text{S}/\text{cm}$, Dec. 15; minimum, 17 $\mu\text{S}/\text{cm}$, 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 ($\mu\text{S}/\text{CM}$ at 25°C), OCTOBER TO MAY 2001

DAY	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

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

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	.0	.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	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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 (μ /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 QUONAPAUG BROOK AT RT 116, NORTH SCITUATE, RI

LOCATION.--Lat 41°47'51", long 71°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 (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				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

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

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
	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	.0	-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	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	-0.2	-0.1	.1	-0.1	-0.1	4.7	2.6	3.7	21.0	11.8	16.5
3	-0.1	-0.2	-0.1	.4	-0.1	.1	6.9	2.2	4.8	21.8	13.6	17.7
4	.0	-0.2	-0.1	.3	-0.2	.0	8.0	3.2	5.5	22.2	14.7	18.4
5	-0.1	-0.2	-0.1	.0	-0.2	-0.1	9.7	3.5	6.6	18.0	11.4	15.6
6	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1	6.8	4.8	6.0	17.0	7.7	12.5
7	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1	8.9	5.2	6.8	16.8	7.2	11.6
8	-0.1	-0.2	-0.1	.0	-0.1	-0.1	5.5	5.0	5.2	17.8	7.8	12.6
9	-0.1	-0.2	-0.1	.0	-0.1	-0.1	12.2	5.1	9.3	18.7	9.3	13.8
10	.0	-0.2	-0.1	.3	-0.2	.0	13.2	8.1	10.6	19.1	10.2	14.7
11	-0.1	-0.2	-0.1	.6	-0.2	.1	11.1	7.3	9.1	20.0	11.8	16.1
12	.0	-0.2	-0.1	.9	-0.2	.2	8.9	7.9	8.4	20.9	13.8	17.0
13	.1	-0.2	-0.1	.2	-0.1	.0	10.9	7.8	9.1	18.0	11.1	14.7
14	.0	-0.2	-0.1	.2	-0.1	.0	13.0	7.2	9.9	14.8	10.3	12.6
15	---	---	---	.5	-0.1	.1	13.3	6.8	10.1	12.9	10.3	11.6
16	---	---	---	1.2	-0.1	.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-0.1	2.5	1.6	1.9	18.4	10.6	14.5	---	---	---
23	.1	-0.2	-0.1	3.3	1.6	2.6	19.1	12.3	15.1	---	---	---
24	.1	-0.1	.0	4.6	2.0	3.5	20.3	12.3	16.0	---	---	---
25	.0	-0.2	-0.1	5.5	2.0	3.8	13.0	8.6	11.5	---	---	---
26	.4	-0.2	.0	3.5	.9	2.5	15.3	7.8	10.9	---	---	---
27	.4	-0.2	.0	3.6	.6	2.3	16.1	7.9	11.9	---	---	---
28	.6	-0.2	.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	-0.2	1.3	20.3	2.2	9.3	---	---	---

e Estimated

PAWTUXET RIVER BASIN

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)

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	13.6	19.6	35.2	47.2	44.1	61.1	48.8	27.3
MAX	46.9	32.7	103	71.4	59.5	101	79.2	52.4
(WY)	1997	1997	1997	1999	1998	2001	1997	1998
MIN	1.03	11.1	10.2	15.5	27.8	40.2	21.8	15.4
(WY)	1998	2001	1999	2001	2001	1995	1999	2001

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

ANNUAL TOTAL	8781.77	9627.97	
ANNUAL MEAN	24.0	26.4	28.4
HIGHEST ANNUAL MEAN			37.2
LOWEST ANNUAL MEAN			19.3
HIGHEST DAILY MEAN	275	Apr 22	625
LOWEST DAILY MEAN	.62	Sep 13	.46
ANNUAL SEVEN-DAY MINIMUM	.68	Sep 8	.73
MAXIMUM PEAK FLOW			1110
MAXIMUM PEAK STAGE			6.32
INSTANTANEOUS LOW FLOW			.10
ANNUAL RUNOFF (CFSM)	1.75		1.93
ANNUAL RUNOFF (INCHES)	23.85		26.14
10 PERCENT EXCEEDS	58		59
50 PERCENT EXCEEDS	16		12
90 PERCENT EXCEEDS	1.5		1.4

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 200.

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 (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	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

01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

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
	FEBRUARY			MARCH			APRIL			MAY		
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			JANUARY		
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	-0.4	.5	.0	-0.1	.0
3	15.8	12.8	14.4	9.4	7.8	8.5	.9	-0.4	.1	.1	.0	.0
4	15.4	13.2	14.8	9.6	7.6	8.7	.9	-0.4	.1	.0	.0	.0
5	14.9	13.6	14.2	8.5	6.7	7.9	.9	-0.4	.2	.0	.0	.0
6	14.2	12.8	13.8	7.7	5.9	7.0	.5	-0.4	.0	.0	-0.1	.0
7	13.6	11.7	12.9	7.9	5.6	7.0	.7	-0.3	.1	.1	-0.1	.0
8	12.0	10.2	11.2	8.6	6.4	7.6	-0.1	-0.3	-0.2	.1	.0	.0
9	10.2	7.8	9.2	8.9	6.4	8.3	.0	-0.3	-0.2	.0	-0.1	.0
10	8.5	7.3	7.9	9.1	8.6	8.8	-0.1	-0.2	-0.2	.1	-0.1	.0
11	10.2	7.7	9.0	9.3	8.7	9.1	.3	-0.1	.1	.1	.0	.1
12	10.9	7.6	9.6	9.9	8.4	9.2	.8	-0.3	.3	.1	.1	.1
13	11.5	8.4	10.5	8.5	8.1	8.4	.4	-0.3	.0	.1	.0	.1
14	13.4	10.5	12.2	8.7	7.7	8.4	.2	-0.2	.0	.2	.1	.1
15	14.5	12.0	13.5	7.7	5.8	7.0	.6	-0.2	.1	.1	.1	.1
16	13.4	10.5	11.9	6.8	5.5	6.3	1.5	-0.1	.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	-0.1	.5	.1	.0	.1
22	11.2	8.4	10.2	1.6	.3	.9	1.0	-0.2	.5	.2	.0	.1
23	9.8	7.6	8.7	1.4	-0.3	.6	.3	-0.2	.0	.2	.1	.2
24	10.1	7.3	9.1	1.1	-0.4	.2	.3	-0.2	.0	.2	.1	.2
25	11.2	8.5	10.2	.9	-0.3	.3	.2	-0.2	-0.1	.2	.1	.2
26	12.2	9.2	11.1	1.1	.1	.6	.0	-0.2	-0.1	.2	.1	.2
27	12.4	10.5	11.5	4.0	.9	3.0	.2	-0.2	-0.1	.2	.1	.2
28	11.3	7.2	10.0	4.4	3.0	3.8	.2	-0.2	-0.1	.2	.1	.2
29	7.2	4.2	5.8	3.9	2.8	3.4	.3	-0.2	-0.1	.2	.1	.2
30	5.4	4.0	4.9	3.3	2.0	2.9	.1	-0.1	.0	.2	.1	.2
31	6.3	5.2	6.0	---	---	---	.0	-0.1	.0	.2	.2	.2
MONTH	15.8	4.0	10.8	9.9	-0.4	5.5	5.5	-0.4	.5	.2	-0.1	.1

PAWTUXET RIVER BASIN

01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

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 (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	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 (μ /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	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

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--Continued

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

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 $\mu\text{S}/\text{cm}$, Oct. 5; minimum, 52 $\mu\text{S}/\text{cm}$, 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 ($\mu\text{CM AT } 25^\circ\text{C}$), OCTOBER 2000 TO MAY 2001

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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 (μ /CM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	---	---	---
26	168	140	147	138	133	136	189	180	183	---	---	---
27	172	150	163	141	134	138	192	182	186	---	---	---
28	182	171	176	146	134	140	194	186	189	---	---	---
29	---	---	---	148	141	144	197	188	191	---	---	---
30	---	---	---	146	65	99	200	190	195	---	---	---
31	---	---	---	114	85	102	---	---	---	---	---	---
MONTH	202	123	176	198	52	152	---	---	---	---	---	---

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	1.2	3.1	1.8	2.4	8.2	3.5	5.8	18.5	13.3	15.9
5	2.3	-2.2	.9	2.1	-2.2	.8	9.5	3.9	6.6	16.6	13.3	14.8
6	2.1	-2.2	.9	1.3	-2.2	.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	-2.2	.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	-2.2	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	-1.1	.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	2.0	6.8	-2.2	3.2	17.3	3.0	8.7	---	---	---

PAWTUXET RIVER BASIN

01115280 CORK BROOK AT ROCKLAND SCITUATE RD NEAR CLAYVILLE, RI

LOCATION.--Lat 41°48'14", long 71°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 (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	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
26	120	115	117	142	94	103	83	74	79	112	95	101
27	118	116	117	99	95	97	85	83	84	113	99	105
28	119	115	117	101	98	100	86	84	85	121	98	105
29	115	113	114	102	99	101	87	84	85	103	95	99
30	115	112	113	104	101	102	193	82	88	142	84	102
31	116	113	114	---	---	---	97	84	85	110	100	106
MONTH	122	108	115	142	94	106	193	58	92	142	83	95

PAWTUXET RIVER BASIN

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

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
	FEBRUARY			MARCH			APRIL			MAY		
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	---	---	---
26	149	122	134	92	90	92	106	101	103	---	---	---
27	141	117	131	102	92	96	107	101	103	---	---	---
28	145	120	133	100	95	97	106	101	104	---	---	---
29	---	---	---	104	97	99	106	99	102	---	---	---
30	---	---	---	104	61	81	106	100	103	---	---	---
31	---	---	---	79	72	75	---	---	---	---	---	---
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			DECEMBER			JANUARY		
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	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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

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 µS/cm, Oct. 14; minimum, 22 µS/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 (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	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 (μ /CM AT 25°C), OCTOBER 2000 TO MAY 2001

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

PAWTUXET RIVER BASIN

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

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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°43'58", long 71°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 (μCM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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 (μ /CM AT 25°C), OCTOBER 2000 TO MAY 2001

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	---	---	---
26	162	116	131	101	88	96	103	82	84	---	---	---
27	132	109	126	96	81	90	91	82	85	---	---	---
28	127	108	116	92	82	88	94	84	87	---	---	---
29	---	---	---	96	78	89	90	84	86	---	---	---
30	---	---	---	98	74	88	90	86	88	---	---	---
31	---	---	---	94	73	82	---	---	---	---	---	---
MONTH	224	88	125	217	73	117	108	74	88	---	---	---

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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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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	2970	Mar 31	5170	Jun 7 1982
LOWEST DAILY MEAN	102	Sep 8	66	Sep 14	22	Sep 4 1944
ANNUAL SEVEN-DAY MINIMUM	106	Sep 5	72	Sep 5	48	Aug 12 1985
MAXIMUM PEAK FLOW			3120	Mar 31	5440	Jun 7 1982
MAXIMUM PEAK STAGE			11.86	Mar 31	14.50	Jun 7 1982
INSTANTANEOUS LOW FLOW			58	Sep 14		
10 PERCENT EXCEEDS	547		651		747	
50 PERCENT EXCEEDS	247		220		244	
90 PERCENT EXCEEDS	120		88		101	

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 μ S/cm, Mar. 11, 1980; minimum, 60 μ S/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. ABOVE NGVD) (72000)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (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
DATE	TEMPER-AIR (DEG C) (00020)	TEMPER-WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD LAB (MG/L AS CACO3) (90410)	ALKA-LINITY TOT IT (MG/L AS) (39086)	BICAR-BONATE WATER DIS IT (MG/L AS HCO3) (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	
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
DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 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

01116500 PAWTUXET RIVER AT CRANSTON, RI--Continued

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

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	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)	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 24...	37	90	0.08	0.2	<2	15.4	0.15	23	0.12	<0.8	0.28	1.7
JUN 19...	48	142	.09	.2	<2	10.7	.11	14	.04	<.8	.07	1.3
JUL 17...	18	59	.09	.3	<2	14.3	.08	31	.16	<.8	.30	2.8
AUG 29...	18	45	.15	.4	<2	16.4	.13	48	.11	<.8	.31	3.7

DATE	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)	MANGA- 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 24...	370	0.33	1.0	129	136	<0.01	1.7	3.00	<0.3	<0.2	41.6
JUN 19...	420	.43	.9	36.7	53	.01	.3	.39	E.2	<.2	23.6
JUL 17...	660	.49	1.3	84.8	95	<.01	2.8	3.85	E.2	<.2	45.8
AUG 29...	600	.91	1.6	102	106	<.01	3.7	2.90	.6	<.2	54.9

DATE	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 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-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATUR-ATION (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	SPE-CIFIC CON-DUCT-ANCE AIR (00095)	TEMPER-ATURE (DEG C) (00020)
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	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB AS CACO3 (90410)	ALKA-LINITY TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (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, TOTAL (MG/L) (00500)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (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

01116617 PAWTUXET RIVER AT PAWTUXET, RI--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)	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
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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

DATE	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)	MANGA- 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)	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)
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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

DATE	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L) (32730)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	ALPHA- HCH-D6 SUR SCD 1325 BED MAT PERCENT (90504)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG) (39423)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED MAT PERCENT (90568)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)
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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	64	<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- CHLORO- SUR SCD 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)
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APR									
24...	--	--	--	--	--	--	--	--	0.02
JUN									
19...	--	--	--	--	--	--	--	--	.04
JUL									
17...	--	--	--	--	--	--	--	--	.03
AUG									
29...	<2	<0.2	74.0	<0.5	0.7	<0.5	E5	<50	<.02

< Less than
E Estimated