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 mi^2

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 effected by regulation of dam 300 ft upstream at outflow of Cambridge Reservoir.

AVERAGE DISCHARGE.--3 years , 9.18 ft^3/s

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft^3/s, Apr. 22, 2000, gage height, 1.93 ft; minimum, 0.02 ft^3/s, Dec. 15, 1998 and Nov. 23, 1999; minimum daily, 0.02 ft^3/s, Dec. 14, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39 ft^3/s, Apr. 22, gage height, 1.93 ft; minimum, 0.02 ft^3/s, Nov. 23; minumum daily, 0.03 ft^3/s, Nov. 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.37	0.55	2.4	5.4	6.3	7.6	29	17	5.4	3.6	2.9	0.55
2	.37	1.1	2.5	5.4	5.9	7.8	29	23	5.4	3.7	3.1	.56
3	.38	1.0	2.5	5.4	5.6	8.0	31	22	5.1	3.7	3.2	.55
4	.39	.74	2.1	5.4	5.6	8.1	33	25	5.1	3.8	3.2	.55
5	.40	.70	2.1	5.6	5.7	8.2	34	28	4.8	3.7	3.2	.54
6	.36	.62	4.1	6.3	5.6	8.3	33	28	4.5	3.5	3.3	.53
7	.34	.60	5.6	6.3	5.7	8.4	33	29	4.8	3.5	3.3	.51
8	.36	.45	5.6	6.2	5.8	8.6	33	29	4.4	3.4	3.3	.50
9	.44	.46	5.3	6.2	5.9	8.7	33	30	4.6	3.4	24	.49
10	.44	.44	5.2	6.2	6.1	8.4	33	31	4.7	3.5	34	.51
11	.54	.43	5.4	6.3	6.2	7.1	33	31	4.9	3.5	15	.50
12	.57	.29	5.4	6.2	6.2	7.5	33	30	4.9	3.4	.62	.51
13	.56	.25	5.4	6.2	6.5	7.6	33	30	4.7	3.1	.57	.53
14	.71	.31	5.4	6.1	6.7	7.9	33	31	4.4	3.2	16	.53
15	.79	.42	5.4	6.1	6.8	15	33	31	3.9	3.2	17	4.2
16	.90	.43	5.4	6.2	6.9	22	33	31	3.7	3.2	.59	7.8
17	1.0	.36	5.4	6.2	7.1	23	32	22	3.8	3.3	.59	8.9
18	1.3	.36	5.4	6.3	7.2	23	32	8.0	3.9	3.4	.59	15
19	1.2	.37	5.4	6.2	7.3	23	32	6.7	3.5	3.5	.61	21
20	1.3	.37	5.3	6.3	7.5	23	35	6.6	3.6	3.5	.62	25
21	1.3	.30	5.4	6.2	7.6	22	37	6.6	3.7	3.4	.60	30
22	1.3	.09	5.3	6.3	7.7	22	20	6.5	3.8	3.1	.58	32
23	1.2	.05	5.2	6.4	7.8	22	3.1	6.1	3.6	2.7	.58	31
24	1.2	.03	5.1	6.3	7.9	22	2.9	6.0	3.7	2.6	.59	31
25	1.2	.08	5.1	6.2	8.2	22	2.8	5.8	3.8	2.6	.62	30
26	1.0	.11	5.2	6.4	8.1	22	7.5	5.8	3.7	2.8	.59	27
27	.95	.16	5.3	6.2	7.0	22	11	5.8	3.8	3.0	.57	28
28	.73	.17	5.5	6.3	7.3	22	11	5.8	3.9	2.9	.56	31
29	.57	.17	5.5	6.2	7.4	25	11	5.7	3.9	3.0	.56	31
30	.46	1.1	5.5	6.2	---	29	11	5.4	3.8	2.8	.56	31
31	.47	---	5.4	6.3	---	29	---	5.4	---	2.8	.55	---
TOTAL	23.10	12.51	149.8	189.5	195.6	500.2	767.3	554.2	127.8	100.8	142.05	391.26
MEAN	.75	.42	4.83	6.11	6.74	16.1	25.6	17.9	4.26	3.25	4.58	13.0
MAX	1.3	1.1	5.6	6.4	8.2	29	37	31	5.4	3.8	34	32
MIN	.34	.03	2.1	5.4	5.6	7.1	2.8	5.4	3.5	2.6	.55	.49

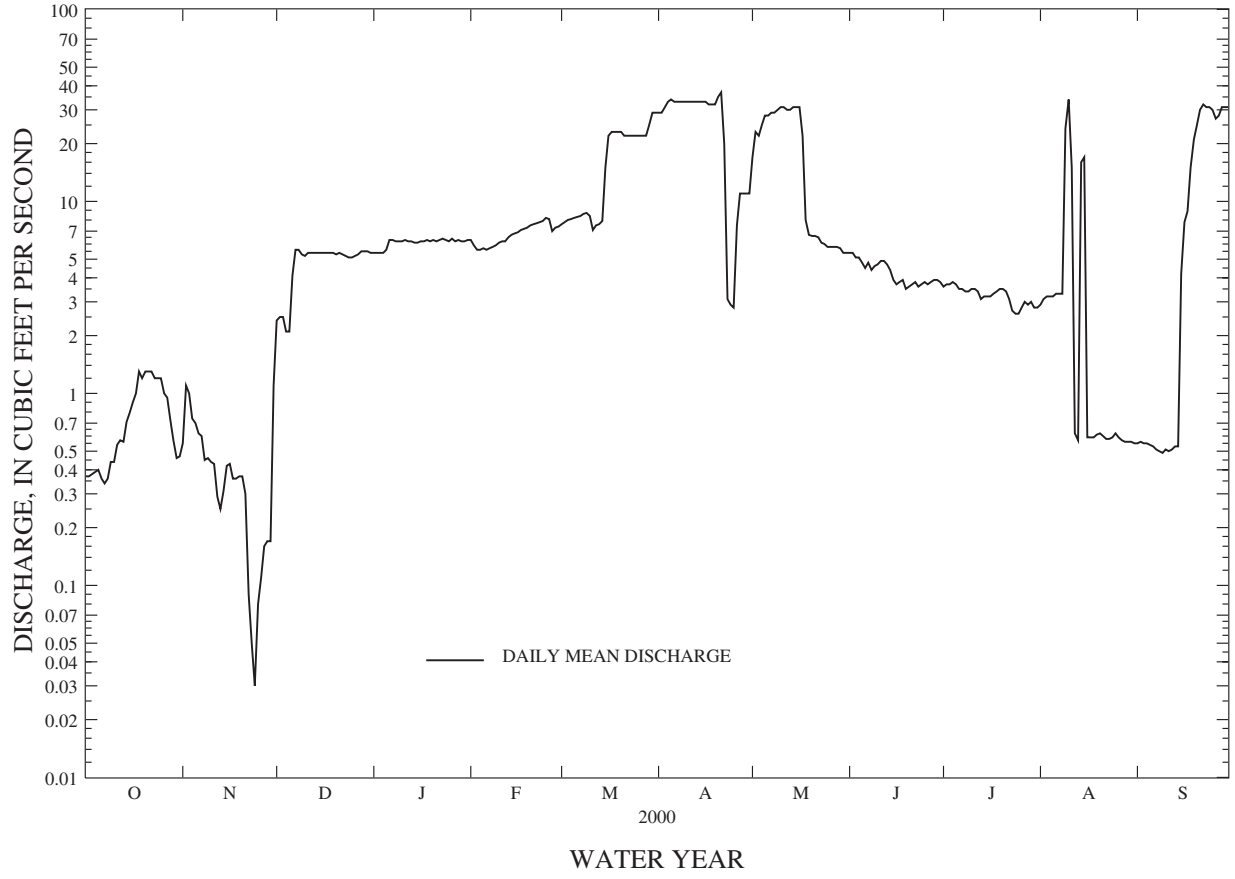
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	11.0	11.4	7.32	5.54	3.72	6.47	12.4	9.54	8.67	10.7	13.7	13.8
MAX	21.1	24.0	9.19	6.11	6.74	16.1	25.6	17.9	16.5	23.9	26.0	21.1
(WY)	1998	1999	1999	2000	2000	2000	2000	2000	1998	1998	1998	1997
MIN	.75	.42	4.83	4.53	.32	.23	1.67	4.48	4.26	3.25	4.48	1.62
(WY)	2000	2000	2000	1998	1999	1999	1999	1999	2000	2000	1999	1999

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	1077.74		3154.12			
ANNUAL MEAN	2.95		8.62		9.18	
HIGHEST ANNUAL MEAN					12.8	1998
LOWEST ANNUAL MEAN					6.14	1999
HIGHEST DAILY MEAN	11	Jan 1	37	Apr 21	37	Apr 21 2000
LOWEST DAILY MEAN	.03	Nov 24	.03	Nov 24	.02	Dec 14 1998
ANNUAL SEVEN-DAY MINIMUM	.10	Nov 22	.10	Nov 22	.10	Nov 22 1999
INSTANTANEOUS PEAK FLOW			39	Apr 22	39	Apr 22 2000
INSTANTANEOUS PEAK STAGE			1.93	Apr 22	1.98	Oct 10 1997
INSTANTANEOUS LOW FLOW			.02	Nov 23	.02	Nov 17 1997
10 PERCENT EXCEEDS	5.4		29		26	
50 PERCENT EXCEEDS	2.9		5.4		5.8	
90 PERCENT EXCEEDS	.27		.50		.38	

HOBBS BROOK BELOW CAMBRIDGE RESERVOIR
NEAR KENDAL GREEN, MA 01104430



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

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, 963 µS/cm, July 17, 2000; minimum, 334 µS/cm, Jan. 3, 1999.
WATER TEMPERATURE: Maximum recorded, 25.2°C, Aug. 11, 2000; minimum, 0.5°C, Jan. 14, 2000.
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, 963 µS/cm, July 17; minimum, 515 µS/cm, Nov. 10.
WATER TEMPERATURE: Maximum recorded, 25.2°C, Aug. 11; minimum, 0.5°C, Jan. 14.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µS/CM AT 25°C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	626	624	625	582	580	581	567	562	564	600	598	599
2	624	618	623	582	579	581	567	565	566	600	598	599
3	625	622	623	583	579	581	571	566	568	600	594	598
4	624	618	621	580	575	577	574	569	572	598	591	596
5	620	617	619	577	573	575	576	567	571	592	581	586
6	619	615	619	576	556	573	573	564	569	589	586	587
7	618	614	617	573	560	567	565	552	558	590	587	588
8	618	612	615	615	516	571	564	560	561	591	588	590
9	614	612	613	564	555	559	565	561	563	590	588	589
10	614	612	613	563	515	552	566	562	564	591	582	587
11	615	611	614	562	555	558	570	564	566	584	582	583
12	614	609	612	566	556	559	574	568	571	586	583	585
13	612	605	611	569	561	562	574	568	570	584	582	584
14	611	602	607	563	561	562	570	567	569	584	579	582
15	604	600	602	565	561	563	570	568	569	590	584	586
16	603	597	601	563	561	562	570	568	569	591	588	590
17	604	600	602	564	562	562	573	570	571	592	589	590
18	603	589	594	564	563	564	577	572	573	595	591	593
19	595	591	593	564	562	563	584	574	580	599	594	597
20	596	591	594	564	561	563	584	580	582	604	598	601
21	594	589	591	564	563	563	581	574	579	605	602	603
22	590	588	589	564	562	563	584	580	582	603	599	601
23	590	586	587	565	562	564	584	581	582	603	599	601
24	588	585	586	564	563	564	588	583	586	607	601	604
25	587	583	585	564	562	563	589	585	588	607	604	605
26	586	583	584	564	561	562	598	586	591	607	605	606
27	586	583	584	569	560	563	593	590	591	610	606	608
28	584	580	582	565	561	562	597	591	593	612	609	610
29	582	579	581	565	561	563	597	593	595	614	610	612
30	582	580	581	564	561	562	601	594	597	614	612	613
31	582	580	581	---	---	---	600	596	598	617	614	615
MONTH	626	579	602	615	515	565	601	552	576	617	579	596

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

SPECIFIC CONDUCTANCE (µS/CM AT 25°C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	615	612	614	704	698	701	616	607	614	557	549	553
2	618	614	615	704	697	700	616	613	615	578	550	566
3	619	615	617	709	698	703	618	566	614	578	572	574
4	618	615	617	705	688	697	618	566	607	574	572	573
5	621	617	619	696	683	688	617	565	588	578	573	576
6	621	618	620	694	639	676	618	566	588	579	576	578
7	623	621	622	698	660	677	617	566	591	578	576	577
8	625	621	623	677	654	665	579	567	571	583	577	578
9	626	624	625	685	645	661	580	576	579	588	577	581
10	629	626	627	684	615	629	579	573	577	586	576	581
11	634	628	631	619	614	617	578	573	576	578	575	577
12	636	633	635	615	608	613	576	571	574	577	575	576
13	640	635	637	618	608	614	578	572	574	577	575	576
14	641	636	639	618	614	616	575	573	574	577	575	576
15	646	640	643	625	608	615	578	573	575	578	576	577
16	651	645	648	616	607	615	584	577	580	578	575	576
17	659	650	654	615	605	612	585	581	583	579	576	577
18	662	658	659	618	607	615	581	575	580	579	575	577
19	665	662	664	617	607	615	575	569	572	579	574	576
20	673	665	669	618	614	616	575	569	571	579	574	576
21	677	672	675	621	615	618	575	561	571	579	576	578
22	682	676	679	622	615	619	567	552	559	581	577	579
23	684	681	682	619	613	618	580	563	568	584	579	582
24	686	683	684	618	613	617	608	557	565	584	581	583
25	688	681	686	618	614	617	573	560	567	585	539	576
26	702	677	685	618	616	617	605	555	563	571	528	561
27	703	693	696	618	615	617	607	556	600	583	533	571
28	704	697	701	619	607	616	607	598	602	584	579	582
29	705	700	703	616	608	614	601	550	587	585	580	582
30	---	---	---	617	605	614	602	552	565	584	579	582
31	---	---	---	617	609	615	---	---	---	583	580	582
MONTH	705	612	651	709	605	636	618	550	582	588	528	576

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	587	581	583	605	601	603	620	612	615	635	628	631
2	586	581	584	605	602	603	617	613	615	637	629	633
3	590	582	585	604	602	603	615	613	614	639	628	632
4	588	585	587	606	602	604	620	614	617	640	627	634
5	590	585	587	620	600	611	619	616	618	635	622	630
6	589	582	587	616	610	613	619	615	617	631	626	629
7	582	578	580	611	604	608	617	615	616	629	624	626
8	580	578	579	606	602	604	618	614	617	633	624	628
9	582	578	580	603	597	600	621	582	601	640	627	632
10	585	581	582	599	595	597	591	581	584	641	621	631
11	586	582	584	598	594	597	612	586	600	636	621	631
12	584	582	583	600	596	598	611	603	607	636	619	630
13	586	582	584	612	597	601	604	596	601	639	621	631
14	586	583	585	756	607	692	598	592	595	638	627	632
15	586	584	585	855	713	787	609	589	596	643	622	629
16	587	584	585	926	805	873	624	588	612	628	621	625
17	590	586	587	963	840	910	637	612	624	625	617	620
18	590	585	588	845	691	795	636	618	625	622	614	618
19	593	586	590	768	639	735	640	616	627	619	608	617
20	599	589	594	653	624	635	630	621	626	617	598	614
21	603	589	598	667	624	648	631	623	627	618	613	616
22	602	595	597	667	623	650	629	620	626	620	610	616
23	601	596	598	639	626	633	628	614	623	617	611	614
24	599	596	598	648	631	636	625	612	621	615	609	612
25	598	595	597	655	636	646	630	619	625	615	607	611
26	600	596	598	666	651	659	629	619	623	614	604	609
27	599	596	598	698	666	684	629	620	624	611	601	605
28	602	597	599	673	617	628	633	623	630	608	596	604
29	604	600	601	619	613	616	636	626	630	607	596	602
30	604	600	602	619	614	617	630	625	627	605	592	601
31	---	---	---	617	612	615	631	623	627	---	---	---
MONTH	604	578	590	963	594	655	640	581	616	643	592	621
YEAR	963	515	605									

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.3	18.1	18.2	12.1	11.6	11.8	7.2	5.8	6.6	2.4	2.0	2.2
2	18.2	17.8	18.0	12.0	11.6	11.9	6.1	5.6	5.8	2.4	2.3	2.4
3	18.1	17.9	18.0	12.5	12.0	12.2	6.0	5.8	5.9	2.7	2.3	2.5
4	18.1	16.9	17.5	12.1	11.4	11.8	6.1	5.9	6.0	2.7	2.2	2.4
5	16.9	16.3	16.6	11.7	11.2	11.4	6.0	5.8	5.9	2.8	2.2	2.5
6	16.3	15.6	16.0	11.6	10.9	11.3	6.1	5.9	6.0	2.7	2.0	2.4
7	15.6	14.9	15.3	11.0	10.1	10.7	6.8	6.1	6.5	2.7	2.4	2.6
8	15.1	14.7	14.9	10.2	9.6	9.9	6.6	6.0	6.2	2.7	2.4	2.5
9	15.0	14.7	14.8	9.9	9.5	9.7	6.2	5.9	6.0	2.7	2.6	2.7
10	15.0	14.7	14.9	10.2	9.8	9.9	6.0	5.9	6.0	2.7	2.2	2.5
11	15.6	14.9	15.1	10.1	9.0	9.5	6.0	5.1	5.6	2.7	2.5	2.6
12	15.2	14.6	14.9	9.0	8.7	8.9	5.2	4.8	5.0	2.7	2.5	2.6
13	14.9	14.5	14.8	9.3	8.9	9.1	5.0	4.8	4.9	2.7	1.3	2.1
14	15.1	14.4	14.9	9.2	8.8	9.0	5.0	4.7	4.8	1.3	.5	1.0
15	14.5	14.0	14.2	8.8	8.0	8.4	4.9	4.8	4.8	1.4	.9	1.1
16	14.2	13.7	14.0	8.0	7.0	7.5	4.9	4.8	4.9	1.1	.9	1.0
17	14.4	14.0	14.2	7.0	6.5	6.7	4.8	4.4	4.7	1.1	1.0	1.0
18	14.6	13.8	14.3	6.9	6.5	6.6	4.5	4.2	4.4	1.3	1.1	1.2
19	13.9	13.4	13.6	6.9	6.5	6.6	4.2	3.7	3.9	1.4	1.2	1.3
20	13.6	13.4	13.6	7.1	6.5	6.8	3.8	3.4	3.7	1.5	1.4	1.4
21	13.5	13.0	13.2	7.4	7.0	7.2	4.1	3.8	4.0	1.6	1.5	1.5
22	13.1	12.8	13.0	7.8	7.2	7.4	3.9	3.5	3.8	1.8	1.5	1.7
23	13.2	12.7	12.9	8.0	7.4	7.7	3.9	3.5	3.7	2.0	1.7	1.9
24	12.8	12.4	12.6	8.2	7.7	8.0	3.5	2.3	2.9	2.0	1.9	2.0
25	12.6	11.9	12.1	8.3	8.0	8.2	2.9	2.0	2.6	2.1	2.0	2.1
26	12.2	11.8	12.0	9.2	8.3	8.9	3.2	2.4	2.8	2.2	2.0	2.2
27	12.4	11.9	12.1	9.2	8.8	9.0	2.6	2.2	2.5	2.2	2.1	2.2
28	11.9	11.4	11.6	8.9	8.4	8.7	2.6	1.9	2.3	2.3	2.2	2.2
29	11.8	11.3	11.5	8.5	8.0	8.3	2.2	1.9	2.1	2.4	2.3	2.3
30	11.9	11.4	11.6	8.0	7.2	7.6	2.3	2.0	2.2	2.5	2.3	2.4
31	12.0	11.6	11.8	---	---	---	2.3	2.0	2.2	2.5	2.4	2.5
MONTH	18.3	11.3	14.3	12.5	6.5	9.0	7.2	1.9	4.5	2.8	.5	2.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.7	2.5	2.6	4.4	4.1	4.2	8.6	8.1	8.2	10.4	10.1	10.3
2	2.8	2.7	2.7	4.4	4.3	4.3	8.8	8.2	8.4	11.6	10.4	10.9
3	2.9	2.7	2.8	4.5	4.3	4.4	9.6	8.8	9.2	11.6	10.8	11.0
4	2.9	2.9	2.9	4.5	4.3	4.4	9.6	9.2	9.4	11.3	10.9	11.1
5	3.0	2.9	2.9	4.7	4.4	4.4	9.7	9.3	9.5	12.3	11.2	11.6
6	3.1	2.9	3.0	4.7	4.4	4.5	9.6	9.4	9.5	12.9	11.8	12.4
7	3.1	3.0	3.0	4.6	4.4	4.5	9.7	9.3	9.5	12.5	11.9	12.2
8	3.2	3.0	3.1	4.8	4.5	4.6	10.2	9.5	9.8	13.6	12.1	12.7
9	3.2	3.1	3.2	5.0	4.7	4.8	10.8	10.1	10.5	15.6	12.4	13.3
10	3.3	3.2	3.2	5.6	5.0	5.4	10.5	10.2	10.3	15.4	13.2	13.9
11	3.3	3.2	3.2	5.5	5.2	5.4	10.3	10.0	10.1	14.5	13.1	13.6
12	3.3	3.1	3.2	5.3	5.0	5.2	10.5	9.9	10.2	13.8	13.1	13.4
13	3.4	3.2	3.3	5.6	4.7	5.1	10.7	9.7	10.0	14.2	13.4	13.7
14	3.5	3.3	3.4	5.3	5.0	5.1	10.2	9.9	10.0	14.0	13.4	13.6
15	3.5	3.4	3.4	5.4	5.2	5.3	10.6	10.1	10.3	14.1	13.4	13.8
16	3.6	3.4	3.5	6.1	5.4	5.6	12.1	10.6	11.2	14.2	13.7	13.9
17	3.7	3.5	3.6	6.1	5.0	5.6	11.9	11.6	11.8	14.2	12.7	13.7
18	3.8	3.6	3.7	5.5	4.5	5.0	11.7	11.0	11.3	13.5	12.9	13.1
19	4.0	3.8	3.9	5.8	4.9	5.3	11.0	10.4	10.7	15.6	13.4	14.6
20	3.9	3.6	3.7	5.4	5.1	5.2	11.2	10.3	10.7	15.3	14.3	14.5
21	3.7	3.6	3.7	5.1	4.9	5.0	11.2	10.5	10.9	14.6	14.0	14.3
22	3.8	3.6	3.7	5.6	4.9	5.1	10.7	9.9	10.2	14.5	14.0	14.2
23	3.8	3.7	3.8	5.9	5.1	5.3	9.9	9.7	9.8	14.6	13.9	14.3
24	3.9	3.8	3.8	6.9	5.2	5.9	10.3	9.5	9.9	14.6	13.8	14.2
25	3.9	3.8	3.9	6.2	5.5	5.9	10.7	9.5	10.1	14.6	13.8	14.2
26	4.1	3.8	4.0	6.6	6.0	6.2	10.4	9.6	9.8	14.9	14.1	14.5
27	4.2	4.0	4.1	7.0	6.3	6.6	9.7	9.5	9.6	15.3	14.4	14.8
28	4.3	4.1	4.2	7.7	7.0	7.4	9.5	9.4	9.5	15.4	14.7	15.0
29	4.3	4.1	4.2	8.0	7.5	7.7	10.1	9.4	9.7	15.8	14.8	15.2
30	---	---	---	7.9	7.7	7.8	11.2	9.7	10.4	15.5	14.8	15.1
31	---	---	---	8.6	7.9	8.2	---	---	---	15.4	14.6	15.1
MONTH	4.3	2.5	3.4	8.6	4.1	5.5	12.1	8.1	10.0	15.8	10.1	13.5

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	14.9	15.3	19.4	18.9	19.1	19.2	18.8	19.0	23.6	22.6	23.1
2	16.0	14.8	15.6	19.4	18.9	19.2	19.1	18.8	19.0	23.6	22.7	23.2
3	16.7	15.2	15.9	19.4	19.0	19.1	19.3	18.8	19.0	23.8	22.5	23.1
4	16.4	15.7	16.1	19.8	19.0	19.3	20.0	18.8	19.3	23.5	22.1	23.1
5	16.2	15.7	16.0	20.1	19.0	19.4	20.2	19.2	19.6	22.2	21.0	21.6
6	18.5	15.7	16.9	19.5	18.9	19.3	19.8	19.1	19.5	22.0	20.5	21.2
7	17.7	17.2	17.4	19.5	19.0	19.2	20.3	19.0	19.5	21.6	20.0	20.7
8	17.2	16.9	17.1	19.3	18.7	18.9	20.2	19.2	19.8	21.3	20.0	20.6
9	17.4	16.9	17.1	19.0	18.5	18.7	21.7	19.4	20.8	22.5	20.5	21.4
10	18.0	17.2	17.5	18.9	18.5	18.7	22.0	21.4	21.6	22.7	21.1	21.9
11	18.2	17.5	17.8	19.0	18.5	18.7	25.2	21.5	23.6	22.0	20.8	21.3
12	17.9	17.3	17.5	19.3	18.5	18.9	24.9	23.3	24.1	21.6	20.7	21.1
13	17.6	17.2	17.4	19.2	18.5	18.8	23.4	22.8	23.1	22.2	21.1	21.6
14	17.5	17.2	17.4	19.1	18.4	18.7	22.9	21.9	22.3	22.3	20.9	21.4
15	17.4	17.0	17.2	19.0	18.3	18.7	22.4	21.8	22.1	21.1	20.2	20.8
16	17.5	17.0	17.2	19.4	18.4	18.8	22.5	21.6	22.1	20.8	20.5	20.7
17	18.1	17.2	17.6	19.1	18.5	18.8	22.3	21.2	21.6	20.6	20.2	20.4
18	18.3	17.5	18.0	19.0	18.4	18.7	22.0	21.0	21.5	20.4	20.1	20.2
19	18.2	17.7	18.0	18.8	18.4	18.6	23.0	21.3	22.0	20.4	20.2	20.3
20	18.6	17.6	18.0	19.3	18.4	18.7	22.3	21.0	21.6	20.9	20.4	20.6
21	18.3	17.0	17.7	19.0	18.4	18.6	22.6	20.7	21.6	20.7	20.5	20.6
22	18.1	17.6	17.9	19.4	18.4	18.8	22.0	20.9	21.4	20.6	20.3	20.4
23	18.8	17.8	18.2	19.6	18.8	19.2	21.5	20.8	21.1	20.4	20.1	20.2
24	18.8	18.1	18.4	19.8	18.9	19.3	22.3	20.7	21.4	20.2	19.9	20.1
25	18.4	17.8	18.2	19.6	19.0	19.3	23.2	21.4	22.3	19.9	19.4	19.6
26	19.1	18.1	18.5	19.2	18.8	19.0	22.9	21.3	22.0	19.6	18.6	19.1
27	19.2	18.4	18.7	19.5	18.8	19.3	22.5	21.5	22.1	18.6	18.2	18.4
28	19.2	18.5	18.9	19.5	19.0	19.2	23.2	22.4	22.7	18.3	17.9	18.1
29	19.2	18.8	19.0	19.3	18.9	19.1	23.2	21.8	22.6	17.9	17.2	17.5
30	19.3	18.8	19.0	19.6	18.9	19.1	23.0	21.7	22.4	17.4	16.9	17.1
31	---	---	---	19.3	18.9	19.1	23.1	22.1	22.7	---	---	---
MONTH	19.3	14.8	17.5	20.1	18.3	19.0	25.2	18.8	21.4	23.8	16.9	20.6
YEAR	25.2	.5	11.7									

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 of bridge on River Road, 300 ft downstream of gate house outlet from Stony Brook Reservoir, and 2.0 mi south west of Waltham.

DRAINAGE AREA.--23.7 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- October 1999 to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 43 ft above sea level from topographic maps.

REMARKS.--Records good except those for estimated daily discharge, which are fair. Flow affected by regulation of dam, 300 ft upstream at outflow of Stony Brook Reservoir.

EXTREMES FOR THE PERIOD OCTOBER 1999 TO SEPTEMBER 2000.--Maximum discharge, 151 ft^3/s, Apr. 25, gage height, 2.76 ft; minimum, no flow, Aug. 18, 20, 21, (controlled shutdown); minumum daily 1.1 ft^3/s, Aug. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	18	22	20	53	87	85	112	13	9.1	30	4.5
2	13	17	21	19	46	77	76	106	12	8.1	33	4.8
3	12	25	20	19	41	73	70	97	17	7.4	17	4.9
4	13	28	18	20	36	72	68	87	14	6.7	15	4.9
5	18	26	17	26	32	64	74	83	10	5.7	12	5.4
6	19	24	17	31	30	58	76	78	16	5.2	9.8	5.0
7	17	21	22	33	45	53	72	71	79	5.3	9.4	4.9
8	15	19	27	33	48	48	65	70	89	4.2	9.0	4.1
9	14	20	31	32	41	45	66	71	65	4.6	11	4.5
10	13	20	32	32	35	43	71	69	42	7.5	44	4.0
11	13	20	30	36	31	44	74	79	29	6.6	44	3.3
12	12	20	29	40	28	60	70	86	40	5.4	12	3.4
13	12	19	29	41	26	75	67	84	48	5.1	5.8	4.6
14	16	19	29	41	62	72	65	80	37	5.0	9.3	4.4
15	16	18	31	39	75	64	60	85	28	4.7	40	13
16	15	16	32	36	63	60	59	80	23	6.5	13	22
17	15	15	32	32	54	72	59	66	20	7.5	26	16
18	24	17	31	30	46	87	60	50	17	9.4	5.7	18
19	27	19	29	27	42	86	69	37	16	15	1.1	28
20	30	18	28	25	38	81	79	31	16	9.7	1.3	42
21	34	18	28	22	35	76	79	24	26	9.8	1.3	50
22	32	17	29	21	33	e70	114	19	13	16	25	51
23	30	16	29	20	33	e69	135	19	10	8.8	20	49
24	30	15	28	38	38	74	142	24	7.0	6.1	8.8	48
25	28	16	27	47	48	73	143	31	5.4	5.6	6.9	48
26	25	17	25	43	67	69	140	28	5.1	3.5	6.5	48
27	24	19	24	38	76	64	137	22	9.8	22	5.8	44
28	25	22	25	35	82	70	134	18	11	35	5.5	48
29	23	24	24	32	89	94	128	16	10	23	5.1	48
30	21	24	22	29	---	101	121	15	10	15	4.9	46
31	19	---	21	46	---	97	---	16	---	26	4.7	---
TOTAL	618	587	809	983	1373	2178	2658	1754	738.3	309.5	442.9	681.7
MEAN	19.9	19.6	26.1	31.7	47.3	70.3	88.6	56.6	24.6	9.98	14.3	22.7
MAX	34	28	32	47	89	101	143	112	89	35	44	51
MIN	12	15	17	19	26	43	59	15	5.1	3.5	1.1	3.3

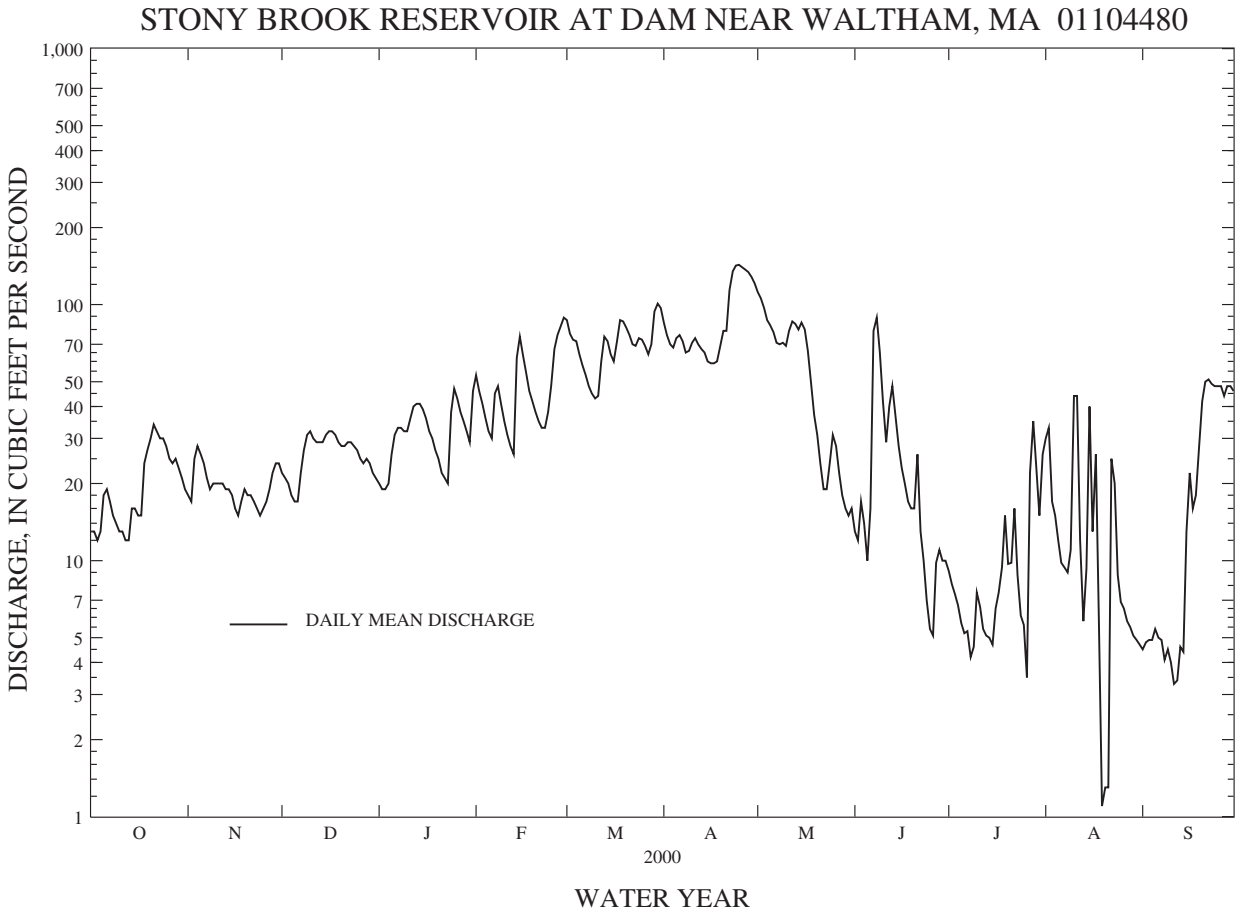
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	19.9	19.6	26.1	31.7	47.3	70.3	88.6	56.6	24.6	9.98	14.3	21.8
MAX	19.9	19.6	26.1	31.7	47.3	70.3	88.6	56.6	24.6	9.98	14.3	22.7
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	19.9	19.6	26.1	31.7	47.3	70.3	88.6	56.6	24.6	9.98	14.3	20.8
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999

01104480 STONY BROOK RESERVOIR AT DAM NEAR WALTHAM, MA--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	13132.4			
ANNUAL MEAN	35.9		35.9	
HIGHEST ANNUAL MEAN			35.9	2000
LOWEST ANNUAL MEAN			35.9	2000
HIGHEST DAILY MEAN	143	Apr 25	143	Apr 25 2000
LOWEST DAILY MEAN	1.1	Aug 19	1.1	Aug 19 2000
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 8	4.0	Sep 8 2000
INSTANTANEOUS PEAK FLOW	151	Apr 25	151	Apr 25 2000
INSTANTANEOUS PEAK STAGE	2.76	Apr 25	2.76	Apr 25 2000
INSTANTANEOUS LOW FLOW	.00	Aug 18	.00	Aug 18 2000
10 PERCENT EXCEEDS	76		75	
50 PERCENT EXCEEDS	27		24	
90 PERCENT EXCEEDS	5.8		5.8	

e Estimated



01104480 STONY BROOK RESERVOIR AT DAM NEAR WALTHAM, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1999 to January 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1999 to January 2000.
WATER TEMPERATURE: October 1999 to January 2000.

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

REMARKS.--Records good. Specific conductance and temperature water-quality probes located in Stony Brook Reservoir. Reservoir lowered below probes from Jan. 26 through Sept. 30, 2000.

EXTREMES FOR THE PERIOD OCTOBER 1999 TO JANUARY 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 343 µS/cm, Oct. 1 ; minimum, 250 µS/cm, Dec. 7.
WATER TEMPERATURE: Maximum recorded, 19.7°C, Oct. 2 ; minimum, 0.6°C, Jan. 15.

SPECIFIC CONDUCTANCE (µS/CM AT 25°C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	343	338	341	308	302	305	286	282	284	313	309	311
2	341	339	340	308	297	304	286	282	283	316	312	314
3	341	339	340	311	293	296	287	283	285	315	309	311
4	340	333	337	302	294	298	285	281	283	331	314	321
5	334	333	334	302	297	299	283	281	282	330	308	318
6	334	331	333	303	295	298	285	281	283	322	315	318
7	333	328	332	300	294	296	284	250	273	322	308	314
8	332	331	332	300	293	296	282	275	280	323	318	320
9	333	331	332	299	294	297	283	280	281	321	318	319
10	333	330	332	296	293	294	280	278	279	319	313	315
11	332	331	331	303	288	292	281	278	280	316	298	306
12	332	325	331	296	292	293	282	279	281	310	305	308
13	332	329	331	301	296	299	283	276	281	309	302	306
14	331	326	329	299	288	294	281	274	278	315	301	303
15	330	329	329	295	289	291	283	280	281	305	300	303
16	330	324	329	295	288	290	282	277	279	307	303	305
17	332	325	330	299	287	289	285	278	282	308	299	303
18	328	320	325	293	289	291	286	283	284	313	303	308
19	328	325	326	294	288	291	303	284	286	311	307	309
20	325	324	325	292	287	290	289	285	287	313	307	311
21	328	321	323	294	288	292	289	283	285	307	288	299
22	323	315	320	293	290	292	289	283	285	301	287	293
23	321	316	317	295	289	292	291	287	289	311	300	304
24	322	314	315	296	289	291	293	288	290	317	311	315
25	316	312	313	295	289	292	295	293	293	341	316	321
26	314	307	311	294	288	291	303	295	299	---	---	---
27	311	307	309	294	281	289	303	300	302	---	---	---
28	311	306	309	291	283	286	306	301	303	---	---	---
29	309	303	306	291	285	288	309	305	306	---	---	---
30	309	306	308	289	283	286	309	306	308	---	---	---
31	308	302	305	---	---	---	310	306	307	---	---	---
MONTH	343	302	325	311	281	293	310	250	287	---	---	---

01104480 STONY BROOK RESERVOIR AT DAM NEAR WALTHAM, MA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.3	18.0	18.3	13.5	11.6	12.2	7.5	6.3	6.9	3.3	2.3	2.9
2	19.7	17.9	18.5	12.2	10.9	11.6	6.4	6.0	6.2	3.6	2.7	3.1
3	19.6	17.8	18.7	13.1	11.0	12.1	6.8	6.1	6.4	3.7	3.3	3.5
4	18.4	16.9	17.6	12.2	11.5	11.8	6.6	6.3	6.4	4.4	3.4	3.7
5	17.0	16.4	16.8	12.3	11.2	11.5	6.4	5.8	6.1	4.7	3.2	3.8
6	17.6	15.9	16.6	11.9	11.1	11.4	6.7	6.0	6.2	3.4	2.6	3.1
7	16.1	15.1	15.6	11.3	10.5	10.9	8.4	6.4	7.3	3.6	2.9	3.2
8	15.5	14.8	15.1	10.5	9.9	10.2	6.7	6.1	6.4	3.1	2.2	2.8
9	17.1	14.9	15.9	10.2	9.8	9.9	6.4	6.0	6.2	3.3	2.5	3.0
10	15.8	15.3	15.6	11.1	9.7	10.3	6.1	5.9	6.0	3.5	3.0	3.2
11	16.5	15.3	15.8	10.8	9.6	10.2	6.0	5.2	5.6	3.8	3.3	3.5
12	16.1	15.1	15.5	9.8	9.1	9.4	5.4	5.0	5.2	3.5	3.0	3.3
13	15.4	14.9	15.1	10.0	9.1	9.4	5.8	4.8	5.1	3.2	2.2	2.6
14	15.3	14.3	14.9	9.4	9.0	9.2	5.3	5.0	5.1	2.4	.8	1.6
15	15.3	13.9	14.4	9.0	8.2	8.7	5.1	5.0	5.1	1.5	.6	1.2
16	14.9	13.7	14.3	8.3	7.5	7.9	5.5	4.9	5.2	1.5	1.3	1.4
17	16.0	14.4	15.2	7.6	7.0	7.3	5.0	4.5	4.8	1.8	1.2	1.5
18	15.9	14.0	14.9	7.7	6.8	7.2	4.6	4.3	4.5	2.0	1.5	1.8
19	14.3	13.3	13.7	7.3	6.8	7.0	4.3	3.8	4.1	2.2	1.7	2.0
20	13.5	13.2	13.4	7.7	6.8	7.0	4.2	3.6	3.9	2.2	1.8	2.0
21	13.8	13.1	13.4	9.1	7.2	8.1	4.6	4.1	4.4	2.2	1.8	2.0
22	13.1	12.8	12.9	8.5	7.3	8.0	4.3	3.6	4.0	2.2	1.6	1.8
23	13.4	12.8	13.0	10.5	8.1	9.0	3.9	3.2	3.6	2.2	1.5	1.8
24	13.7	12.2	12.8	10.4	7.7	9.1	3.4	2.5	3.0	2.4	1.7	2.1
25	12.6	12.1	12.4	10.5	9.2	10.2	2.5	1.6	2.0	2.2	1.5	1.9
26	12.8	11.7	11.9	10.3	10.1	10.2	3.0	1.8	2.7	---	---	---
27	12.9	11.6	12.0	10.7	8.0	10.0	2.9	2.1	2.5	---	---	---
28	12.2	11.1	11.6	10.1	9.3	9.7	2.8	1.4	2.1	---	---	---
29	12.6	10.9	11.7	9.3	8.6	8.9	3.1	1.9	2.5	---	---	---
30	12.5	11.4	11.7	8.6	7.5	8.1	3.2	2.4	3.0	---	---	---
31	12.3	11.2	11.7	---	---	---	3.2	2.2	2.7	---	---	---
MONTH	19.7	10.9	14.5	13.5	6.8	9.6	8.4	1.4	4.7	---	---	---

01104480 STONY BROOK RESERVOIR AT DAM NEAR WALTHAM, MA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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22	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

Stony Brook flowing through drained Stony Brook Reservoir near Waltham, MA, March 1, 2000. (Photo by J. Zanca)

01104500 CHARLES RIVER AT WALTHAM, MA

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

DRAINAGE AREA.--227 mi^2, excludes 23.6 mi^2 drained by Stony Brook, from which flow is diverted for municipal supply of Cambridge.

PERIOD OF RECORD.--Discharge: October 1903 to October 1909 (figures of average weekly discharge, equivalent to records of unadjusted discharge at present site), August 1931 to current year.
Water-quality records: Water years 1953, 1959, 1968-70.

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

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

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

AVERAGE DISCHARGE.--69 years (water years 1932-2000), 311 ft^3/s.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft^3/s, Apr. 26, gage height, 3.66 ft; minimum, 23 ft^3/s, Sept. 14; minimum daily, 24 ft^3/s, Sept. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	248	340	196	256	719	737	920	339	244	276	40
2	159	239	323	231	254	707	727	859	e350	234	256	46
3	157	361	302	236	248	676	709	797	e280	191	230	57
4	196	371	290	222	234	657	713	741	e290	142	216	53
5	213	397	292	285	226	623	690	696	e280	152	194	48
6	211	411	275	322	218	584	657	648	e400	144	172	46
7	212	405	399	345	225	556	562	599	e800	134	159	43
8	209	394	434	354	232	525	447	560	737	123	140	32
9	194	374	458	355	223	499	544	540	e660	120	127	27
10	183	349	486	382	221	468	531	526	637	130	140	26
11	179	347	485	433	226	475	524	606	622	102	122	27
12	167	319	478	406	230	602	523	565	714	70	70	25
13	171	305	462	414	235	601	518	541	e680	74	74	24
14	229	299	440	395	415	599	516	562	652	59	88	24
15	211	286	444	359	527	599	500	546	605	63	69	88
16	203	270	437	352	519	597	485	534	567	84	102	108
17	201	253	427	329	525	715	469	505	535	75	101	82
18	323	245	422	300	528	721	422	481	495	81	99	75
19	320	238	417	292	508	706	433	424	465	128	89	67
20	369	233	404	272	486	698	461	371	390	117	83	154
21	413	239	417	252	473	681	490	374	328	107	72	150
22	404	234	400	225	459	666	918	371	322	150	72	148
23	434	234	391	214	446	670	973	391	297	106	83	153
24	418	234	381	212	455	655	1020	456	273	92	77	152
25	396	238	360	217	519	633	1040	480	252	85	64	134
26	383	261	334	216	627	600	1070	461	228	84	58	121
27	359	297	307	207	658	568	1080	440	224	215	56	141
28	336	326	277	201	705	705	1060	428	266	247	51	128
29	310	337	264	204	721	749	1020	413	248	222	43	123
30	287	345	256	203	---	726	961	390	248	217	42	116
31	267	---	220	234	---	731	---	366	---	289	40	---
TOTAL	8284	9089	11622	8865	11599	19711	20800	16591	13184	4281	3465	2458
MEAN	267	303	375	286	400	636	693	535	439	138	112	81.9
MAX	434	411	486	433	721	749	1080	920	800	289	276	154
MIN	157	233	220	196	218	468	422	366	224	59	40	24

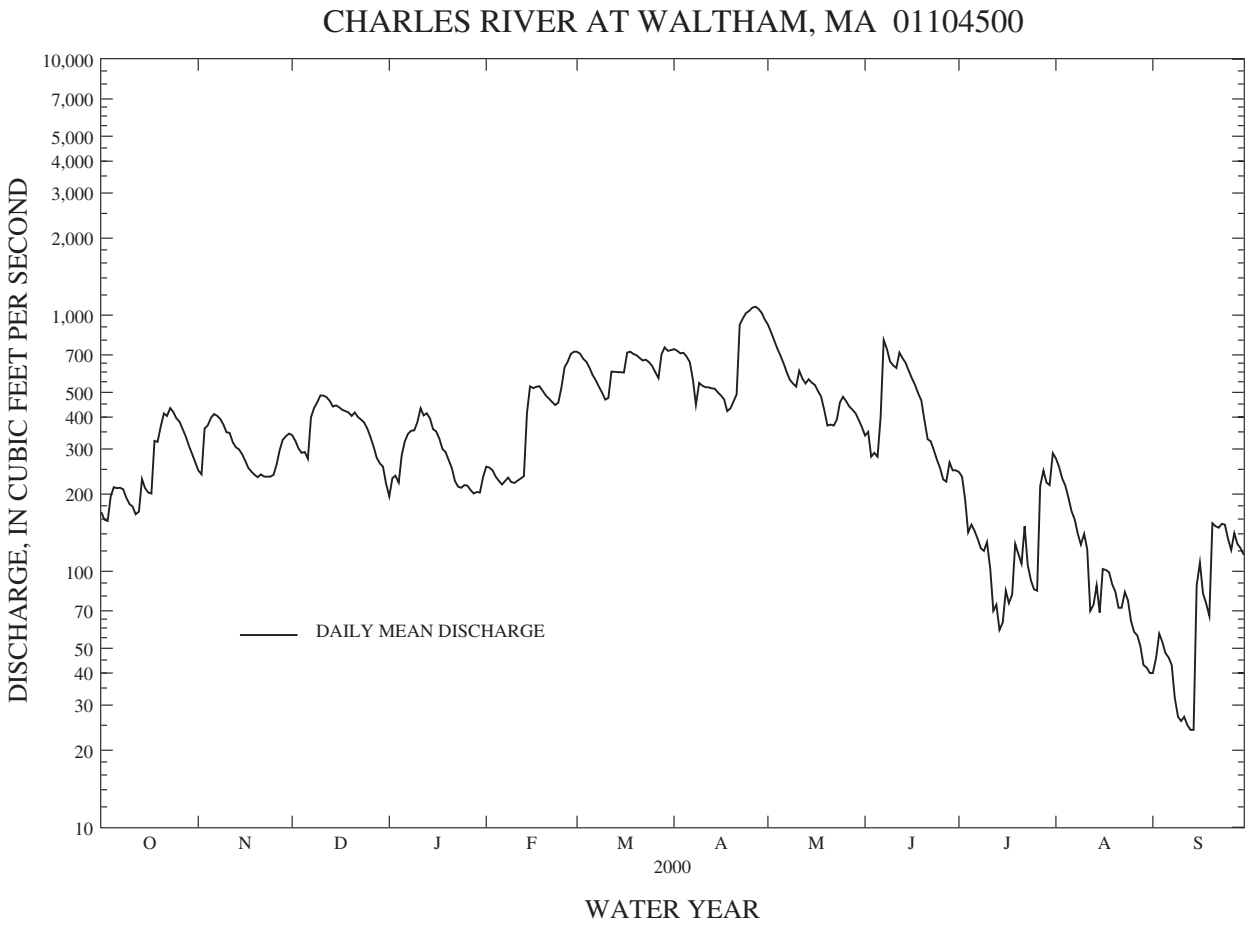
01104500 CHARLES RIVER AT WALTHAM, MA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2000, BY WATER YEAR (WY)

MEAN	156	254	340	371	414	623	606	366	242	130	117	116
MAX	727	1031	991	1173	946	1398	1446	798	1346	915	873	616
(WY)	1997	1956	1997	1979	1970	1983	1987	1954	1982	1938	1955	1954
MIN	24.5	38.7	62.7	58.4	111	236	181	135	56.5	26.7	14.6	19.6
(WY)	1942	1932	1966	1981	1980	1985	1985	1932	1932	1949	1949	1957

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	121548		129949			
ANNUAL MEAN	333		355		311	
HIGHEST ANNUAL MEAN					558	1984
LOWEST ANNUAL MEAN					129	1966
HIGHEST DAILY MEAN	1030	Feb 3	1080	Apr 27	2940	Jan 26 1979
LOWEST DAILY MEAN	19	Sep 6	24	Sep 13	.20	Oct 4 1943
ANNUAL SEVEN-DAY MINIMUM	20	Sep 3	26	Sep 8	1.6	Sep 30 1943
INSTANTANEOUS PEAK FLOW			1090	Apr 26	4150	Feb 3 1976
INSTANTANEOUS PEAK STAGE			3.66	Apr 26	6.54	Feb 3 1976
INSTANTANEOUS LOW FLOW			23	Sep 14	.10	Oct 1 1943
10 PERCENT EXCEEDS	659		677		681	
50 PERCENT EXCEEDS	297		321		223	
90 PERCENT EXCEEDS	32		83		44	

e Estimated



01104615 CHARLES RIVER ABOVE WATERTOWN DAM AT WATERTOWN, MA
(National Water Quality Assessment Site)

LOCATION.--Lat 42°21'54", long 71°11'26", Middlesex County, Hydrologic Unit 01090001, at footbridge, 1,500 ft northwest of intersection of Watertown Street and California Street.

DRAINAGE AREA.--268 mi^2, excludes 23.6 mi^2 drained by Stony Brook, from which flow is diverted for municipal supply of Cambridge.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: August 1999 to current year.
Water-quality records: Water years 1999-2000.

GAGE.--Water-stage recorder and broad-crested concrete control at 45° angle to flow. Datum of gage is 10 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharge, which are fair, and those below 200 ft^3/s, which are poor. Flow affected by diversion to Mother Brook (station 01104000), diversions to and from basin for municipal supplies, and at times by water released from Stony Brook Reservoir. Telephone gage-height telemeter at station.

EXTREMES FOR THE PERIOD AUGUST 1999 TO SEPTEMBER 2000.--Maximum discharge, 1,370 ft^3/s, Sept. 10, 1999, gage height, 5.48 ft, minimum, 14 ft^3/s, Sept. 7, 1999; minimum daily, 18 ft^3/s, Sept. 9, 1999.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	27
2	---	---	---	---	---	---	---	---	---	---	---	26
3	---	---	---	---	---	---	---	---	---	---	---	27
4	---	---	---	---	---	---	---	---	---	---	---	24
5	---	---	---	---	---	---	---	---	---	---	---	22
6	---	---	---	---	---	---	---	---	---	---	---	22
7	---	---	---	---	---	---	---	---	---	---	---	19
8	---	---	---	---	---	---	---	---	---	---	---	19
9	---	---	---	---	---	---	---	---	---	---	---	18
10	---	---	---	---	---	---	---	---	---	---	---	355
11	---	---	---	---	---	---	---	---	---	---	---	651
12	---	---	---	---	---	---	---	---	---	---	---	459
13	---	---	---	---	---	---	---	---	---	---	---	476
14	---	---	---	---	---	---	---	---	---	---	---	507
15	---	---	---	---	---	---	---	---	---	---	---	527
16	---	---	---	---	---	---	---	---	---	---	---	874
17	---	---	---	---	---	---	---	---	---	---	---	990
18	---	---	---	---	---	---	---	---	---	---	---	792
19	---	---	---	---	---	---	---	---	---	---	e32	710
20	---	---	---	---	---	---	---	---	---	---	32	690
21	---	---	---	---	---	---	---	---	---	---	32	667
22	---	---	---	---	---	---	---	---	---	---	34	632
23	---	---	---	---	---	---	---	---	---	---	34	637
24	---	---	---	---	---	---	---	---	---	---	37	587
25	---	---	---	---	---	---	---	---	---	---	40	555
26	---	---	---	---	---	---	---	---	---	---	40	495
27	---	---	---	---	---	---	---	---	---	---	42	368
28	---	---	---	---	---	---	---	---	---	---	39	272
29	---	---	---	---	---	---	---	---	---	---	35	260
30	---	---	---	---	---	---	---	---	---	---	31	291
31	---	---	---	---	---	---	---	---	---	---	29	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	11999
MEAN	---	---	---	---	---	---	---	---	---	---	---	400
MAX	---	---	---	---	---	---	---	---	---	---	---	990
MIN	---	---	---	---	---	---	---	---	---	---	---	18

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

MEAN	---	---	---	---	---	---	---	---	---	---	---	400
MAX	---	---	---	---	---	---	---	---	---	---	---	400
(WY)	---	---	---	---	---	---	---	---	---	---	---	1999
MIN	---	---	---	---	---	---	---	---	---	---	---	400
(WY)	---	---	---	---	---	---	---	---	---	---	---	1999

e Estimated

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	347	462	298	353	885	882	1070	494	396	455	e110
2	251	335	444	340	349	866	869	1020	444	381	428	119
3	245	514	419	349	347	835	850	952	378	321	397	137
4	325	489	404	358	327	814	864	890	379	261	379	127
5	320	516	406	454	317	782	832	842	365	267	349	117
6	314	531	389	464	308	742	794	803	576	254	319	109
7	313	526	584	482	316	706	679	761	999	235	302	106
8	310	514	583	489	329	668	572	724	919	217	270	85
9	294	491	604	491	315	635	707	703	840	226	244	75
10	288	464	628	549	314	602	661	727	802	242	262	77
11	278	473	627	601	323	634	653	791	813	192	239	78
12	259	431	619	560	325	797	648	738	890	144	159	77
13	268	418	601	563	328	770	640	711	851	150	165	81
14	370	409	580	535	626	758	635	735	816	127	205	77
15	311	393	596	596	706	753	615	712	773	133	159	302
16	300	376	580	470	670	750	602	696	740	183	233	251
17	296	357	567	539	671	909	584	665	723	156	216	195
18	513	349	562	480	672	887	539	643	673	214	e200	180
19	448	341	555	393	649	863	579	606	641	241	e185	166
20	528	336	538	370	623	850	583	546	563	224	e175	324
21	561	353	572	344	608	833	686	543	508	209	e155	293
22	545	342	541	329	593	818	1210	538	501	326	e150	293
23	587	340	528	350	586	818	1190	564	472	212	e170	301
24	554	340	514	334	604	804	1190	660	439	190	e160	302
25	525	352	488	329	699	779	1190	650	415	176	e150	279
26	504	381	459	312	813	741	1220	625	384	187	e130	274
27	477	434	428	293	831	704	1220	605	378	458	e125	291
28	450	452	391	289	882	909	1200	591	426	416	e120	268
29	420	462	376	306	891	921	1160	577	406	379	e110	259
30	391	469	373	293	---	883	1110	554	404	372	e100	245
31	369	---	330	339	---	880	---	528	---	508	e95	---
TOTAL	11886	12535	15748	12899	15375	24596	25164	21770	18012	7997	6806	5598
MEAN	383	418	508	416	530	793	839	702	600	258	220	187
MAX	587	531	628	601	891	921	1220	1070	999	508	455	324
MIN	245	335	330	289	308	602	539	528	365	127	95	75

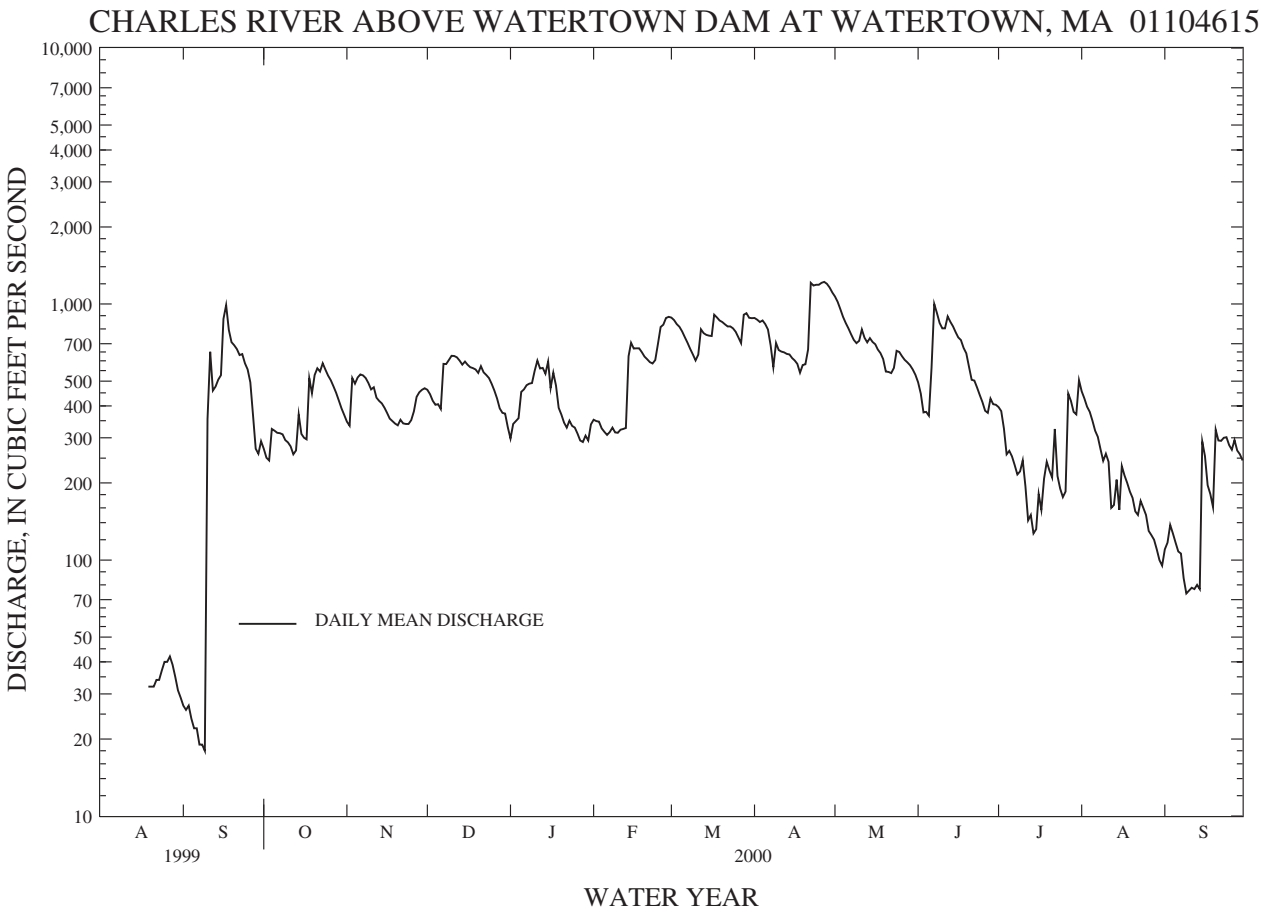
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	383	418	508	416	530	793	839	702	600	258	220	293
MAX	383	418	508	416	530	793	839	702	600	258	220	400
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999
MIN	383	418	508	416	530	793	839	702	600	258	220	187
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	178386			
ANNUAL MEAN	487		487	
HIGHEST ANNUAL MEAN			487	2000
LOWEST ANNUAL MEAN			487	2000
HIGHEST DAILY MEAN	1220	Apr 26	1220	Apr 26 2000
LOWEST DAILY MEAN	75	Sep 9	18	Sep 9 1999
ANNUAL SEVEN-DAY MINIMUM	79	Sep 8	22	Sep 3 1999
INSTANTANEOUS PEAK FLOW	1350	Apr 22	1370	Sep 10 1999
INSTANTANEOUS PEAK STAGE	5.45	Apr 22	5.48	Sep 10 1999
INSTANTANEOUS LOW FLOW	24	Aug 31		
10 PERCENT EXCEEDS	834		831	
50 PERCENT EXCEEDS	456		444	
90 PERCENT EXCEEDS	179		127	

e Estimated

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



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

WATER-QUALITY DATA

PERIOD OF RECORD.--October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1999 to current year.
WATER TEMPERATURE: August 1999 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,200 µS/cm, Jan. 31, 2000; minimum, 167 µS/cm, June 6, 2000.
WATER TEMPERATURE: Maximum recorded,26.0˚C, Aug. 19, 1999; minimum, -0.2˚C, Dec. 28, 1999.

REMARKS.--Records good. Selected samples were analyzed for volatile organic compounds on schedule 2020 and pesticide compounds on schedule 2001 (listed with non-detection values or minimum reporting levels in the section "Explanation of the Records"); only volatile organic compounds or pesticide compounds identified by the analyses (either as estimated values or values measured at or above the non-detection level or minimum reporting level) for one or more samples are listed in the water-quality data tables.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	724	474	516
2	---	---	---	---	---	---	---	---	---	500	464	482
3	---	---	---	---	---	---	---	---	---	489	444	471
4	---	---	---	---	---	---	---	---	---	485	429	459
5	---	---	---	---	---	---	---	---	---	482	432	452
6	---	---	---	---	---	---	---	---	---	478	440	460
7	---	---	---	---	---	---	---	---	---	474	423	449
8	---	---	---	---	---	---	---	---	---	462	441	451
9	---	---	---	---	---	---	---	---	---	471	423	450
10	---	---	---	---	---	---	---	---	---	472	90	364
11	---	---	---	---	---	---	---	---	---	433	210	381
12	---	---	---	---	---	---	---	---	---	401	297	350
13	---	---	---	---	---	---	---	---	---	395	316	355
14	---	---	---	---	---	---	---	---	---	421	371	389
15	---	---	---	---	---	---	---	---	---	432	359	398
16	---	---	---	---	---	---	---	---	---	361	192	295
17	---	---	---	---	---	---	---	---	---	262	227	243
18	---	---	---	---	---	---	---	---	---	280	262	273
19	---	---	---	---	---	---	---	---	---	321	280	293
20	---	---	---	---	---	---	487	447	469	308	290	297
21	---	---	---	---	---	---	484	471	478	318	282	304
22	---	---	---	---	---	---	476	462	468	324	281	300
23	---	---	---	---	---	---	475	457	465	298	269	278
24	---	---	---	---	---	---	477	445	461	277	258	265
25	---	---	---	---	---	---	479	425	459	268	262	265
26	---	---	---	---	---	---	474	452	463	279	265	268
27	---	---	---	---	---	---	470	449	462	294	266	273
28	---	---	---	---	---	---	488	427	450	361	294	335
29	---	---	---	---	---	---	468	422	450	394	361	381
30	---	---	---	---	---	---	492	460	476	436	393	428
31	---	---	---	---	---	---	484	466	475	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	724	90	364

e Estimated

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	437	425	433	323	316	319	322	311	316	333	302	317
2	428	412	418	328	320	323	326	321	324	340	322	329
3	412	386	398	329	259	307	328	324	326	346	340	343
4	398	243	339	320	298	313	327	321	325	347	326	343
5	327	307	321	312	298	306	324	316	320	326	266	297
6	322	305	315	311	306	308	318	314	316	326	318	321
7	322	304	312	308	298	304	315	245	283	324	313	318
8	329	322	326	298	294	296	302	281	292	324	306	315
9	336	327	332	294	289	292	---	---	---	307	302	306
10	338	322	334	290	285	288	e292	e283	e289	302	257	292
11	342	334	340	289	272	285	285	280	283	282	262	277
12	353	341	344	291	288	290	284	277	281	277	268	271
13	347	333	344	295	289	291	279	270	274	332	272	293
14	335	281	314	296	293	295	271	267	269	331	286	311
15	343	330	339	299	293	295	271	259	265	343	313	323
16	342	337	338	305	299	301	266	261	263	335	309	319
17	346	337	341	312	305	308	281	264	270	312	307	310
18	346	243	300	317	311	314	284	277	279	329	301	312
19	329	304	319	319	312	316	286	283	284	312	290	299
20	311	277	301	317	311	314	288	286	287	310	290	300
21	311	303	307	316	311	314	288	279	285	331	300	310
22	316	304	311	322	315	319	288	282	285	354	312	335
23	316	289	310	324	317	320	296	287	292	353	335	342
24	312	307	310	330	324	327	299	287	295	342	333	337
25	319	309	314	330	321	327	292	273	282	367	332	343
26	319	308	315	326	316	323	301	279	288	534	367	456
27	314	308	311	326	283	314	289	271	279	505	417	459
28	313	305	309	317	314	316	292	264	278	487	471	478
29	311	305	308	314	305	308	305	282	291	478	412	445
30	313	307	310	311	308	309	321	293	311	452	407	428
31	317	312	314	---	---	---	317	302	309	1200	433	717
MONTH	437	243	330	330	259	308	---	---	---	1200	257	350

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	652	485	580	331	307	318	320	311	314	255	247	250
2	757	575	669	307	298	301	311	305	307	265	255	259
3	575	473	507	301	296	299	309	305	307	277	265	269
4	517	474	497	301	295	298	316	309	312	288	277	281
5	485	436	461	297	293	295	319	316	318	296	288	291
6	482	431	448	298	292	296	321	319	320	305	295	300
7	464	399	435	301	297	299	334	318	324	313	305	309
8	431	392	403	301	297	300	357	333	345	324	312	318
9	448	386	417	304	300	302	358	326	341	336	324	329
10	462	416	441	309	304	307	334	327	330	335	297	330
11	502	450	473	315	290	309	340	332	336	328	291	321
12	491	424	459	307	294	302	335	333	334	337	319	329
13	519	437	478	314	303	310	337	331	334	337	331	335
14	604	425	476	316	310	313	337	332	334	333	326	330
15	578	431	523	313	305	308	339	333	337	331	325	329
16	438	399	424	306	300	302	346	339	343	333	329	331
17	399	342	373	387	270	322	349	343	345	331	329	330
18	342	301	323	471	387	438	349	336	347	335	328	333
19	463	310	382	420	378	406	342	326	335	335	320	328
20	555	444	499	378	333	351	346	340	343	331	326	329
21	505	438	471	333	320	326	350	245	336	334	323	328
22	459	390	422	321	312	317	270	208	252	326	319	322
23	451	373	408	316	308	311	272	253	262	319	315	317
24	439	396	418	319	310	314	264	254	260	315	277	301
25	471	425	437	325	319	322	262	248	254	304	295	300
26	429	407	420	334	325	330	248	232	238	303	298	301
27	407	387	399	341	332	336	232	227	229	300	296	298
28	387	352	369	441	314	349	233	229	231	297	287	291
29	352	331	342	370	349	356	242	232	236	289	281	285
30	---	---	---	352	331	339	249	240	244	283	278	280
31	---	---	---	331	320	324	---	---	---	282	277	280
MONTH	757	301	447	471	270	323	358	208	305	337	247	308

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	290	277	285	322	279	304	334	320	329	500	325	402
2	299	253	287	325	276	307	328	318	322	407	366	391
3	303	289	297	330	293	314	337	328	333	406	391	401
4	305	300	303	339	286	318	338	329	335	415	405	409
5	304	300	302	342	281	316	339	325	334	431	407	414
6	303	167	261	353	315	338	340	324	333	424	407	413
7	238	184	216	358	342	351	335	310	327	421	410	415
8	226	215	223	363	350	357	328	281	311	428	412	416
9	238	226	232	364	335	356	324	286	310	430	415	421
10	241	238	240	363	321	347	322	258	296	435	413	423
11	242	217	236	363	337	353	332	283	308	438	410	423
12	220	199	214	370	345	361	368	332	355	427	415	419
13	215	209	212	374	337	356	378	364	369	437	412	424
14	219	214	216	370	311	348	381	351	364	439	399	430
15	223	219	221	372	352	364	372	363	368	442	182	329
16	229	222	226	375	338	356	364	318	344	408	334	372
17	241	225	235	391	368	380	364	344	355	424	408	415
18	267	233	247	399	205	352	463	364	402	423	405	418
19	292	258	279	382	343	368	487	447	469	405	373	392
20	273	257	262	389	371	382	484	471	478	373	283	338
21	282	266	273	427	371	383	476	462	468	405	370	389
22	290	280	286	385	223	331	475	457	465	398	388	395
23	297	287	292	370	355	362	477	445	461	398	385	388
24	308	287	298	380	353	368	479	425	459	413	395	407
25	311	249	289	386	366	373	474	452	463	420	413	415
26	281	261	272	370	349	363	470	449	462	418	367	406
27	300	253	276	353	207	291	488	427	450	433	378	410
28	298	259	282	335	320	330	468	422	450	434	432	433
29	298	278	288	325	307	314	492	460	476	432	426	429
30	311	289	299	344	317	330	484	466	475	426	423	424
31	---	---	---	346	274	321	724	474	516	---	---	---
MONTH	311	167	262	427	205	345	724	258	393	500	182	405

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	23.0	19.6	21.2
2	---	---	---	---	---	---	---	---	---	23.2	20.0	21.5
3	---	---	---	---	---	---	---	---	---	24.1	20.6	22.3
4	---	---	---	---	---	---	---	---	---	25.2	22.1	23.6
5	---	---	---	---	---	---	---	---	---	25.1	23.2	24.3
6	---	---	---	---	---	---	---	---	---	24.9	23.4	24.2
7	---	---	---	---	---	---	---	---	---	25.6	23.6	24.6
8	---	---	---	---	---	---	---	---	---	24.9	24.1	24.5
9	---	---	---	---	---	---	---	---	---	25.5	23.6	24.5
10	---	---	---	---	---	---	---	---	---	24.9	21.5	23.5
11	---	---	---	---	---	---	---	---	---	23.4	22.0	22.6
12	---	---	---	---	---	---	---	---	---	23.0	21.3	22.1
13	---	---	---	---	---	---	---	---	---	23.1	21.3	22.2
14	---	---	---	---	---	---	---	---	---	22.4	21.6	22.0
15	---	---	---	---	---	---	---	---	---	22.0	21.4	21.7
16	---	---	---	---	---	---	---	---	---	21.5	19.1	20.6
17	---	---	---	---	---	---	---	---	---	20.1	18.2	19.1
18	---	---	---	---	---	---	---	---	---	18.4	17.5	17.9
19	---	---	---	---	---	---	---	---	---	18.3	17.3	17.8
20	---	---	---	---	---	---	24.5	22.4	23.6	18.4	17.5	17.9
21	---	---	---	---	---	---	23.2	20.5	21.6	18.3	17.9	18.1
22	---	---	---	---	---	---	20.5	19.7	20.2	18.0	17.4	17.8
23	---	---	---	---	---	---	23.3	19.5	21.3	17.7	16.6	17.2
24	---	---	---	---	---	---	24.1	21.0	22.6	18.4	16.9	17.5
25	---	---	---	---	---	---	24.6	21.5	23.0	18.6	17.4	17.9
26	---	---	---	---	---	---	23.4	22.1	22.8	18.5	16.9	17.7
27	---	---	---	---	---	---	23.5	22.1	22.8	18.5	16.7	17.7
28	---	---	---	---	---	---	24.8	22.2	23.5	18.4	17.2	17.8
29	---	---	---	---	---	---	24.9	22.8	23.7	18.3	17.6	18.0
30	---	---	---	---	---	---	23.3	21.1	22.1	18.4	17.4	17.9
31	---	---	---	---	---	---	22.0	19.9	21.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	25.6	16.6	20.5

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.3	16.3	17.2	12.2	10.8	11.4	6.1	3.7	5.0	2.2	0.6	1.3
2	18.1	16.3	17.2	12.6	11.0	11.8	3.8	2.9	3.3	2.4	1.5	1.9
3	18.2	16.5	17.3	14.0	12.3	13.3	3.7	3.0	3.4	3.4	2.3	2.8
4	17.4	15.3	16.2	12.3	10.8	11.6	4.2	3.5	3.8	6.4	2.9	3.5
5	15.3	14.3	14.9	11.2	10.2	10.6	5.3	4.0	4.6	6.6	3.1	4.5
6	14.8	13.2	13.9	10.6	9.7	10.1	6.2	5.2	5.7	3.8	2.7	3.2
7	13.5	12.0	12.7	10.1	8.6	9.5	7.7	6.2	7.0	3.6	2.8	3.2
8	13.0	11.3	12.1	8.7	7.4	8.2	7.0	6.2	6.5	3.1	2.4	2.6
9	13.8	12.2	12.9	7.8	7.2	7.4	6.2	4.9	5.6	3.1	2.3	2.6
10	13.7	12.8	13.3	8.9	7.2	8.1	---	---	---	4.2	2.7	3.3
11	14.7	13.5	14.0	9.0	8.0	8.6	5.4	3.9	4.7	4.1	3.4	3.8
12	14.4	12.8	13.5	8.3	7.4	7.9	3.9	3.2	3.6	4.0	3.0	3.6
13	14.7	12.8	13.7	8.3	7.4	7.8	3.5	2.9	3.2	3.0	1.3	2.5
14	14.5	12.5	13.9	8.2	7.3	7.8	3.7	3.3	3.5	1.3	.1	.5
15	13.2	11.7	12.4	7.8	6.7	7.3	4.2	3.7	4.0	.7	.1	.3
16	13.4	11.4	12.4	6.7	5.4	6.1	4.7	4.1	4.3	1.0	.1	.5
17	14.3	12.4	13.3	5.5	4.3	5.0	4.4	3.4	4.0	.1	.0	.1
18	14.2	12.2	13.4	5.2	4.0	4.5	3.4	2.6	3.1	.6	.0	.2
19	12.4	11.4	11.8	5.4	4.2	4.7	2.7	1.9	2.3	.8	.0	.4
20	11.6	11.1	11.4	6.9	4.7	5.7	2.2	1.6	2.0	.7	.2	.4
21	11.6	10.5	11.0	7.9	6.6	7.3	3.2	2.2	2.7	.8	.2	.4
22	11.1	10.5	10.7	9.1	7.4	8.3	3.2	2.5	2.9	.4	.2	.3
23	11.3	10.6	10.9	10.6	9.0	9.9	2.7	1.8	2.3	.4	.3	.4
24	11.3	10.2	10.6	11.6	10.2	11.0	1.8	.6	1.3	.8	.3	.5
25	10.7	9.7	10.2	11.6	11.3	11.5	.9	-.1	.4	.7	.4	.6
26	10.8	9.4	10.0	11.4	11.0	11.2	1.1	.1	.5	1.4	.7	1.0
27	10.9	9.7	10.2	12.1	10.9	11.5	.7	.0	.3	1.3	.5	.7
28	---	---	---	10.9	9.6	10.3	.7	-.2	.3	.7	.6	.7
29	10.6	9.1	9.8	9.6	8.2	9.0	1.1	.3	.6	1.0	.6	.8
30	10.8	9.4	10.0	8.2	6.1	7.2	1.8	.6	1.1	1.5	.8	1.1
31	11.6	10.1	10.8	---	---	---	1.5	.8	1.1	1.7	1.0	1.3
MONTH	---	---	---	14.0	4.0	8.8	---	---	---	6.6	.0	1.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	0.9	1.3	4.2	3.2	3.7	11.1	9.6	10.4	11.6	10.2	10.9
2	1.8	.9	1.2	4.6	4.0	4.2	11.9	10.7	11.3	12.4	11.3	11.8
3	1.8	.9	1.3	4.6	3.7	4.1	11.8	11.4	11.6	13.2	11.5	12.4
4	2.0	1.3	1.5	4.8	3.5	4.2	11.9	11.0	11.6	14.5	12.6	13.6
5	2.4	1.2	1.6	5.4	4.6	5.0	12.0	10.9	11.5	15.6	14.0	14.8
6	2.2	1.1	1.5	6.0	4.8	5.3	10.9	9.7	10.2	16.6	15.6	16.1
7	2.8	1.2	1.7	5.9	4.9	5.4	11.0	9.4	10.3	18.2	16.0	17.2
8	2.2	1.2	1.5	7.2	5.7	6.4	13.6	10.7	12.2	20.1	18.1	19.1
9	2.8	1.1	1.8	8.6	6.7	7.7	14.2	11.8	13.3	21.3	19.5	20.2
10	2.7	1.4	1.9	8.9	8.2	8.5	11.8	10.3	11.0	19.8	15.3	18.0
11	2.0	1.6	1.9	8.2	6.7	7.7	11.1	9.8	10.3	15.5	14.6	15.2
12	2.5	.8	1.4	6.8	5.8	6.5	10.5	9.3	10.0	15.8	14.2	15.1
13	2.6	.8	1.5	6.1	5.1	5.6	10.7	8.8	9.7	15.5	14.7	15.2
14	2.0	1.1	1.6	5.8	4.8	5.3	11.5	9.5	10.3	16.4	14.3	15.3
15	1.9	1.0	1.3	6.2	5.0	5.6	12.5	10.1	11.4	16.2	15.3	15.7
16	1.6	.9	1.1	7.2	5.9	6.6	13.6	12.2	12.9	16.3	14.8	15.5
17	1.5	.5	.9	7.1	3.0	5.8	13.3	11.9	12.6	16.8	15.3	15.9
18	.9	.2	.5	4.1	2.7	3.3	11.9	10.4	11.4	17.0	15.8	16.4
19	.8	.2	.4	3.6	2.4	3.0	10.4	9.4	9.9	16.5	14.3	15.5
20	1.1	.1	.4	3.2	2.7	2.9	10.8	9.2	9.9	15.1	13.8	14.2
21	1.3	.0	.4	2.7	2.1	2.4	10.6	8.6	10.1	14.0	13.2	13.7
22	1.3	-.1	.4	3.0	1.9	2.4	8.6	8.0	8.3	14.4	13.1	13.7
23	1.5	.1	.7	4.9	2.9	4.0	8.1	7.8	8.0	14.9	13.2	13.9
24	1.8	.6	1.1	7.0	4.9	6.1	8.8	7.4	8.3	14.6	13.6	14.0
25	1.5	1.2	1.3	8.5	6.8	7.7	9.9	8.1	9.2	15.6	13.8	14.6
26	1.2	.9	1.0	10.5	8.3	9.4	9.8	8.3	8.9	16.9	14.6	15.6
27	2.2	.9	1.5	11.3	9.7	10.5	8.6	7.9	8.3	17.5	15.4	16.4
28	3.2	2.2	2.8	11.4	10.6	11.0	8.8	8.3	8.5	17.0	15.9	16.5
29	3.7	2.6	3.1	11.3	10.4	10.9	9.6	8.2	9.0	16.7	15.4	15.9
30	---	---	---	10.8	10.1	10.4	10.9	9.3	10.2	16.8	15.1	15.7
31	---	---	---	10.6	9.7	10.2	---	---	---	17.9	14.8	16.3
MONTH	3.7	-.1	1.3	11.4	1.9	6.2	14.2	7.4	10.4	21.3	10.2	15.3

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.6	16.3	17.8	24.2	21.0	22.5	18.9	17.9	18.8	25.0	22.2	23.4
2	20.6	17.8	19.1	24.7	21.3	22.9	19.6	18.4	18.9	24.0	21.3	22.7
3	21.0	18.7	19.6	24.3	22.2	23.2	20.8	18.9	19.8	22.6	20.6	21.6
4	20.6	18.4	19.4	24.8	22.3	23.5	23.2	20.2	21.3	22.0	20.9	21.5
5	19.5	17.6	18.5	25.2	22.2	23.6	23.4	20.7	22.0	21.0	18.4	19.9
6	17.6	12.8	15.8	24.2	21.1	22.5	23.6	21.4	22.5	20.5	17.6	19.1
7	13.6	12.5	13.1	23.0	20.8	21.8	24.2	22.2	23.1	20.5	17.1	18.9
8	14.3	12.9	13.7	22.5	19.5	20.9	25.9	22.9	24.2	21.2	18.3	19.7
9	15.7	14.1	14.9	22.1	19.6	20.8	25.8	23.8	24.6	22.1	20.0	21.0
10	18.1	15.6	16.9	22.6	20.1	21.2	26.9	24.1	25.3	23.0	20.2	21.5
11	18.5	16.4	17.8	23.3	19.9	21.5	26.3	24.1	25.1	22.2	19.9	21.0
12	16.8	15.3	16.2	23.0	19.5	21.3	24.7	23.0	23.8	23.2	20.6	21.8
13	16.1	14.8	15.4	23.4	19.9	21.7	23.0	22.0	22.5	23.8	21.8	22.6
14	16.5	15.7	16.0	24.4	20.8	22.6	22.4	20.7	21.7	22.8	20.5	21.7
15	16.0	15.8	15.9	22.8	21.2	22.1	21.8	20.6	21.1	21.7	19.4	20.3
16	18.4	15.7	17.1	23.5	20.0	21.5	21.7	20.4	21.0	21.0	19.0	19.8
17	20.8	18.3	19.6	21.6	19.9	20.7	21.9	19.5	20.7	19.9	17.6	18.8
18	20.7	19.6	20.1	22.7	19.6	20.7	20.9	19.2	20.2	20.5	17.7	19.1
19	19.8	19.0	19.5	20.9	19.7	20.3	21.5	19.2	20.2	20.7	18.6	19.7
20	20.8	18.7	19.7	22.3	19.3	20.5	20.7	18.6	19.6	21.5	19.5	20.4
21	21.9	19.3	20.5	22.2	18.8	20.3	20.7	17.8	19.2	21.5	19.7	20.4
22	22.3	20.2	21.1	22.3	18.2	20.6	20.9	18.0	19.5	20.5	18.6	19.5
23	22.6	20.8	21.6	22.2	19.4	20.8	20.4	18.6	19.4	19.7	18.3	19.0
24	23.3	20.7	21.9	22.8	19.4	21.0	21.0	18.0	19.4	19.4	18.2	18.9
25	23.8	21.2	22.4	21.4	20.0	20.6	21.4	18.4	20.0	18.4	16.8	17.6
26	23.7	22.2	22.8	20.2	18.6	19.4	21.7	18.2	20.1	17.1	15.7	16.4
27	24.5	22.3	23.2	18.6	17.0	18.0	22.0	19.5	20.8	17.4	15.1	16.2
28	24.7	22.3	23.4	18.4	17.6	17.9	22.1	19.9	20.9	17.0	14.8	15.8
29	23.3	22.3	22.8	19.7	17.3	18.4	22.0	18.7	20.3	15.7	13.6	14.5
30	23.5	21.8	22.5	20.1	18.6	19.2	22.0	18.5	20.3	15.8	13.3	14.4
31	---	---	---	19.0	18.5	18.8	23.8	21.1	22.2	---	---	---
MONTH	24.7	12.5	18.9	25.2	17.0	21.0	26.9	17.8	21.2	25.0	13.3	19.6

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT												
15...	0930	313	768	8.9	--	328	9.9	12.0	16.3	3.83	3.6	36.1
25...	0930	528	762	9.6	--	306	8.9	10.0	14.2	3.32	3.2	31.0
NOV												
16...	0900	375	745	10.2	7.1	303	3.7	6.0	15.1	3.55	2.9	33.7
30...	0915	464	769	10.4	7.3	329	3.1	7.0	14.6	3.52	3.3	33.2
DEC												
06...	0845	385	758	11.6	--	317	14.7	5.5	50.3	11.4	2.7	98.2
21...	0845	574	759	12.2	7.5	279	8.9	2.5	13.4	3.18	2.5	31.5
JAN												
04...	0945	368	760	12.2	6.9	330	7.8	3.0	15.8	3.57	2.5	36.6
18...	0930	516	761	14.9	7.0	327	-8.8	.1	13.0	3.06	2.2	38.4
FEB												
08...	0945	343	774	14.2	7.1	442	-2.0	1.5	17.0	3.89	2.7	51.0
24...	0930	591	766	12.7	7.1	403	12.8	.1	12.9	3.03	2.0	50.5
MAR												
12...	0700	783	753	11.1	6.9	309	5.9	6.6	11.9	2.69	2.0	35.8
22...	1000	811	768	--	7.3	341	7.2	2.0	12.7	2.79	1.8	39.7
28...	1130	1020	735	10.2	7.2	339	15.4	11.0	11.6	2.45	1.6	45.8
APR												
07...	0800	773	758	10.5	7.4	329	9.2	9.5	12.8	2.87	2.0	40.5
20...	1200	577	761	10.8	7.3	336	--	10.2	14.1	3.11	1.9	45.0
MAY												
08...	0945	722	756	8.6	7.3	315	27.8	19.0	13.4	2.95	2.0	37.0
22...	0910	529	760	9.1	7.3	320	14.2	13.5	14.1	3.09	2.5	36.8
JUN												
07...	1110	992	759	8.9	7.2	228	15.8	13.2	11.7	2.52	1.7	29.0
20...	0830	604	762	7.8	7.2	267	20.5	19.0	12.4	2.78	2.0	31.7
JUL												
03...	0830	374	760	6.7	7.2	324	22.9	22.5	14.7	3.34	2.7	37.5
17...	1000	167	760	6.0	7.2	381	19.6	20.0	17.3	3.88	3.2	44.6
27...	1145	641	763	7.6	7.0	219	19.5	17.1	10.6	2.28	1.9	26.3
31...	0945	577	766	7.2	6.9	295	19.2	18.5	14.3	3.03	2.8	33.7
AUG												
14...	0600	222	759	5.6	--	393	18.5	21.7	18.3	3.84	2.8	49.8
28...	0730	131	763	3.6	7.1	357	19.8	20.0	18.3	4.05	3.6	43.5
SEP												
11...	0915	84	766	4.7	7.1	415	18.8	20.0	20.1	4.89	3.8	48.1
26...	0745	246	760	7.0	7.2	421	13.6	16.5	18.9	3.92	4.4	48.7

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
OCT												
15...	--	--	63.0	<0.1	9.4	20.0	0.39	0.47	0.039	0.572	0.013	0.024
25...	--	--	58.9	<.1	8.3	18.3	.51	.80	.082	.549	.021	.024
NOV												
16...	27	33	60.2	<.1	8.9	14.3	--	--	--	--	--	--
30...	30	36	61.9	<.1	8.2	13.4	.50	.62	.125	.810	.026	.021
DEC												
06...	27	33	62.2	<.1	28.1	15.9	.58	.77	.141	.864	.022	.019
21...	23	28	54.6	<.1	9.1	13.7	.56	.57	.095	3.34	.012	.019
JAN												
04...	26	31	68.2	<.1	8.8	16.1	.44	.50	.145	.889	.011	.016
18...	23	28	70.2	<.1	8.1	14.0	.45	.54	.114	.763	<.010	.014
FEB												
08...	26	32	96.4	.1	9.2	16.3	.57	.61	.301	1.12	<.010	.009
24...	17	21	91.3	<.1	7.8	12.2	.41	.48	.154	.797	<.010	.011
MAR												
12...	18	22	65.6	<.1	5.2	11.7	.31	.40	.064	.627	<.010	.009
22...	18	22	74.2	<.1	5.0	12.2	.37	.46	.039	.556	<.010	.008
28...	17	20	79.6	<.1	3.5	9.7	.39	.68	.062	.465	<.010	.015
APR												
07...	19	23	71.6	<.1	3.2	11.9	.41	.53	.045	.424	<.010	.013
20...	23	29	75.8	<.1	3.0	11.0	.41	.51	.042	.499	<.010	.014
MAY												
08...	22	26	67.6	<.1	1.7	10.5	.90	1.1	.568	1.62	.064	E.005
22...	28	34	68.2	<.1	3.7	9.4	.55	.60	.085	.527	.014	.030
JUN												
07...	23	28	52.0	<.1	4.1	8.2	.42	.58	.088	.522	.012	.041
20...	25	30	55.0	<.1	7.1	8.7	.56	.73	.053	.450	.013	.050
JUL												
03...	31	38	68.3	<.1	7.0	9.4	.44	.56	.048	.638	.011	.048
17...	36	44	81.0	.1	4.6	10.7	.54	.64	.105	.362	.013	.038
27...	22	27	45.2	<.1	1.4	6.4	.52	.86	.229	.167	<.010	.030
31...	32	39	59.5	<.1	1.3	10.7	.46	.79	.069	.198	.011	.015
AUG												
14...	34	41	85.3	<.1	4.8	14.2	.83	1.1	.395	.355	.037	.021
28...	38	46	78.3	.1	4.7	13.9	.46	.54	.068	.303	.017	.033
SEP												
11...	42	52	83.9	.1	3.1	14.5	.39	.46	.042	.344	.010	.023
26...	36	44	88.6	.1	1.9	14.6	.39	.45	.045	.223	<.010	.020

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
OCT												
15...	0.016	0.024	8.0	0.8	196	640	100	--	--	--	--	--
25...	.012	.076	9.3	.9	180	240	69	E0.004	<0.002	<0.003	<0.002	<0.002
NOV												
16...	--	--	9.9	.4	177	350	76	.004	<.002	E.004	<.002	<.002
30...	<.010	.052	7.3	.5	182	270	71	<.001	<.002	<.003	E.002	<.002
DEC												
06...	<.010	.043	8.2	--	185	850	185	<.005	<.002	E.021	<.002	<.003
21...	<.010	.037	7.9	.3	166	280	50	.004	<.002	<.003	E.003	<.002
JAN												
04...	.010	.030	6.2	.4	189	250	70	<.001	<.002	<.003	<.002	<.002
18...	.013	.024	7.1	.2	190	190	48	.004	<.002	<.003	<.002	E.003
FEB												
08...	<.010	.025	4.7	.2	240	200	92	.004	<.002	<.003	<.002	<.002
24...	<.010	.026	5.3	.3	225	160	99	E.004	<.002	<.003	<.002	<.002
MAR												
12...	.011	.036	5.5	.7	170	150	77	--	--	--	--	--
22...	.011	.024	6.7	.3	173	150	46	<.001	<.002	<.003	<.002	<.002
28...	.010	.104	5.0	2.1	--	140	74	<.001	E.002	E.012	<.002	<.002
APR												
07...	<.010	.044	7.1	.7	176	200	80	--	--	--	--	--
20...	<.010	.113	6.9	.7	190	250	81	--	--	--	--	--
MAY												
08...	<.010	.038	7.3	.7	178	230	65	--	--	--	--	--
22...	.020	.060	8.3	.7	182	420	92	--	--	--	--	--
JUN												
07...	.021	.102	7.6	1.0	147	420	54	--	--	--	--	--
20...	.023	.090	9.8	.7	164	640	99	--	--	--	--	--
JUL												
03...	.030	.081	7.9	.4	198	660	38	--	--	--	--	--
17...	.019	.076	7.7	.5	229	300	98	--	--	--	--	--
27...	.018	.117	4.3	1.7	119	90	53	--	--	--	--	--
31...	<.010	.084	5.7	.9	166	150	42	--	--	--	--	--
AUG												
14...	<.010	.066	6.5	.4	233	190	100	--	--	--	--	--
28...	.015	.054	5.7	.2	212	160	88	--	--	--	--	--
SEP												
11...	<.010	.040	5.2	.2	222	90	100	--	--	--	--	--
26...	.010	.047	5.1	.8	224	110	101	--	--	--	--	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	DI-AZINON, DIS-SOLVED (UG/L) (39572)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
OCT												
15...	--	--	--	--	--	--	--	E0.02	<0.13	<0.08	<0.06	<14
25...	0.009	<0.002	<0.002	<0.004	E0.004	E0.003	<0.010	E.02	<.13	<.08	<.06	<14
NOV												
16...	.006	<.002	<.002	<.004	E.004	E.005	<.010	E.03	E.02	E.02	E.01	E1
30...	<.002	<.002	<.002	<.004	<.018	<.005	<.010	E.02	<.13	<.08	<.06	<14
DEC												
06...	<.002	<.002	<.002	<.004	<.018	<.005	<.010	E.04	<.07	E.02	<.03	<7
21...	.004	E.001	E.003	<.004	E.004	E.004	<.010	E.03	E.01	E.01	<.03	E1
JAN												
04...	<.002	<.002	<.002	<.004	<.018	<.005	<.010	E.03	<.07	<.04	<.03	<7
18...	E.003	<.002	<.004	<.004	E.005	E.004	E.002	E.03	E.02	E.01	<.03	<7
FEB												
08...	E.002	<.002	<.002	<.004	E.003	E.004	<.010	E.05	E.02	E.02	<.03	<7
24...	.005	<.002	<.002	<.004	E.004	<.005	<.010	E.04	E.02	E.01	<.03	<7
MAR												
12...	--	--	--	--	--	--	--	--	--	--	--	--
22...	E.003	<.002	<.002	<.004	E.003	<.005	<.010	E.02	<.07	<.04	<.03	<7
28...	.027	<.002	<.002	.017	E.004	<.005	<.010	E.02	<.07	<.04	<.03	E2
APR												
07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
03...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
14...	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
11...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,4-DI-CHLORO- WATER UNFLTRD REC (UG/L) (34571)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)
OCT												
15...	<0.11	<0.09	<0.10	<0.08	<0.07	<0.06	E0.04	0.52	<0.10	<0.2	<0.06	0.4
25...	E.03	<.09	<.10	<.08	E.03	<.06	E.03	.42	<.10	E.1	<.06	.6
NOV												
16...	E.02	E.01	<.05	<.04	E.02	E.002	E.04	.58	<.05	E.1	E.01	.5
30...	<.11	<.09	<.10	<.08	<.07	<.06	E.04	.35	<.10	<.2	<.06	.4
DEC												
06...	.10	E.03	<.05	E.02	E.05	<.03	E.06	.57	<.05	.1	E.05	.9
21...	E.02	<.04	E.004	<.04	E.02	E.002	E.05	.34	E.01	E.1	E.01	.5
JAN												
04...	<.06	<.04	<.05	<.04	<.04	<.03	E.07	.48	<.05	E.02	<.03	.6
18...	<.06	<.04	<.05	<.04	E.01	<.03	E.07	.39	<.05	E.02	<.03	.4
FEB												
08...	E.01	<.04	E.01	<.04	E.01	<.03	E.09	.40	E.01	E.04	<.03	.6
24...	E.02	E.01	E.01	<.04	E.03	<.03	E.08	.51	<.05	E.05	E.01	.6
MAR												
12...	--	--	--	--	--	--	--	--	--	--	--	--
22...	E.01	<.04	<.05	<.04	E.01	<.03	E.04	.32	<.05	<.1	E.01	.2
28...	E.03	<.04	<.05	<.04	E.02	<.03	E.05	.16	<.05	E.03	E.02	.4
APR												
07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
03...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
14...	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
11...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
15...	<0.8	<0.7	<0.12	<0.08	<0.08	E0.1	<0.12	0.81	<0.2	9	85
25...	<.8	<.7	E.07	<.08	<.08	E.1	<.12	1.65	<.2	8	82
NOV											
16...	<.4	<.4	E.05	E.02	<.04	E.2	<.06	1.22	E.1	3	82
30...	<.8	<.7	<.12	<.08	<.08	E.1	<.12	.94	<.2	7	84
DEC											
06...	<.4	<.4	E.20	E.10	<.04	.2	E.03	1.52	E.1	3	60
21...	E.01	<.4	E.03	E.02	E.01	.1	E.01	1.00	E.04	3	90
JAN											
04...	<.4	<.4	<.06	<.04	<.04	.2	<.06	.97	<.1	5	50
18...	<.4	<.4	<.06	<.04	<.04	.1	<.06	1.24	<.1	3	67
FEB											
08...	.5	<.4	<.06	<.04	<.04	.2	<.06	.80	E.04	2	72
24...	E.02	<.4	E.03	E.03	.48	.2	E.01	1.79	E.04	4	82
MAR											
12...	--	--	--	--	--	--	--	--	--	8	91
22...	<.4	<.4	E.02	<.04	.11	E.1	<.06	.95	E.04	4	74
28...	E.02	E.2	E.04	<.04	E.03	E.1	<.06	.36	<.1	27	91
APR											
07...	--	--	--	--	--	--	--	--	--	7	92
20...	--	--	--	--	--	--	--	--	--	7	85
MAY											
08...	--	--	--	--	--	--	--	--	--	12	94
22...	--	--	--	--	--	--	--	--	--	10	77
JUN											
07...	--	--	--	--	--	--	--	--	--	10	86
20...	--	--	--	--	--	--	--	--	--	11	92
JUL											
03...	--	--	--	--	--	--	--	--	--	8	73
17...	--	--	--	--	--	--	--	--	--	7	83
27...	--	--	--	--	--	--	--	--	--	17	89
31...	--	--	--	--	--	--	--	--	--	10	86
AUG											
14...	--	--	--	--	--	--	--	--	--	6	86
28...	--	--	--	--	--	--	--	--	--	3	75
SEP											
11...	--	--	--	--	--	--	--	--	--	4	82
26...	--	--	--	--	--	--	--	--	--	4	83

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

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

DRAINAGE AREA.--34.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: October 1939 to current year. October 1939 monthly discharge only, published in WSP 1301. Water-quality records: Water years 1958-59, 1966-68, 1999.

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

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

REMARKS.--Records good. Flow regulated by mills and reservoirs upstream. Flow affected by several diversions upstream for municipal and industrial use. Telephone and satellite gage-height telemeters at station.

AVERAGE DISCHARGE.--61 years, 56.1 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,490 ft^3/s, Aug. 19, 1955, gage height, 14.65 ft, from floodmarks; minimum daily, 1.4 ft^3/s, Oct. 20, 1963.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 334 ft^3/s, Apr. 22, gage height, 7.78 ft, minimum daily, 4.1 ft^3/s, Sept. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	23	28	27	36	125	115	135	43	38	39	5.5
2	30	23	25	27	33	111	102	124	42	33	36	5.7
3	25	79	26	31	32	99	93	110	53	27	29	6.1
4	38	69	34	41	29	89	96	102	46	23	20	6.3
5	42	54	24	100	28	81	97	94	39	21	18	5.4
6	34	42	25	83	28	75	88	87	90	18	18	4.9
7	29	36	87	65	26	70	79	82	241	16	16	4.3
8	26	32	85	55	28	64	75	77	199	15	15	4.1
9	25	30	66	49	25	62	101	72	149	14	14	4.4
10	27	28	54	62	27	60	90	70	112	13	26	8.0
11	29	30	46	94	30	69	83	101	95	13	21	11
12	28	28	41	86	34	147	76	94	122	14	21	11
13	17	27	38	69	31	141	71	83	104	13	18	16
14	38	27	41	e45	126	117	65	90	92	12	25	21
15	27	27	56	e35	164	97	62	80	85	16	29	55
16	19	25	54	e26	121	89	66	70	81	21	22	38
17	18	23	48	e24	94	154	64	61	72	15	19	31
18	64	22	41	e21	76	158	64	59	66	18	16	23
19	55	22	36	e19	73	138	88	72	65	16	15	20
20	61	22	35	e19	67	121	86	76	57	13	13	51
21	65	25	52	e20	62	110	87	69	49	11	12	38
22	55	23	50	e18	57	100	306	62	41	13	10	30
23	53	22	44	e17	60	93	320	68	32	13	11	23
24	46	22	40	e17	80	87	278	91	27	12	13	19
25	39	23	35	e19	112	81	224	107	27	10	12	17
26	33	25	32	e20	147	75	207	91	33	15	11	20
27	30	46	31	e20	144	70	206	74	49	41	9.5	23
28	28	46	29	e18	146	151	186	64	75	35	7.9	20
29	26	37	27	18	140	193	163	57	63	25	6.8	17
30	25	31	27	22	---	165	147	49	48	22	6.2	16
31	24	---	27	35	---	133	---	47	---	47	5.7	---
TOTAL	1091	969	1284	1202	2056	3325	3785	2518	2297	613	535.1	554.7
MEAN	35.2	32.3	41.4	38.8	70.9	107	126	81.2	76.6	19.8	17.3	18.5
MAX	65	79	87	100	164	193	320	135	241	47	39	55
MIN	17	22	24	17	25	60	62	47	27	10	5.7	4.1

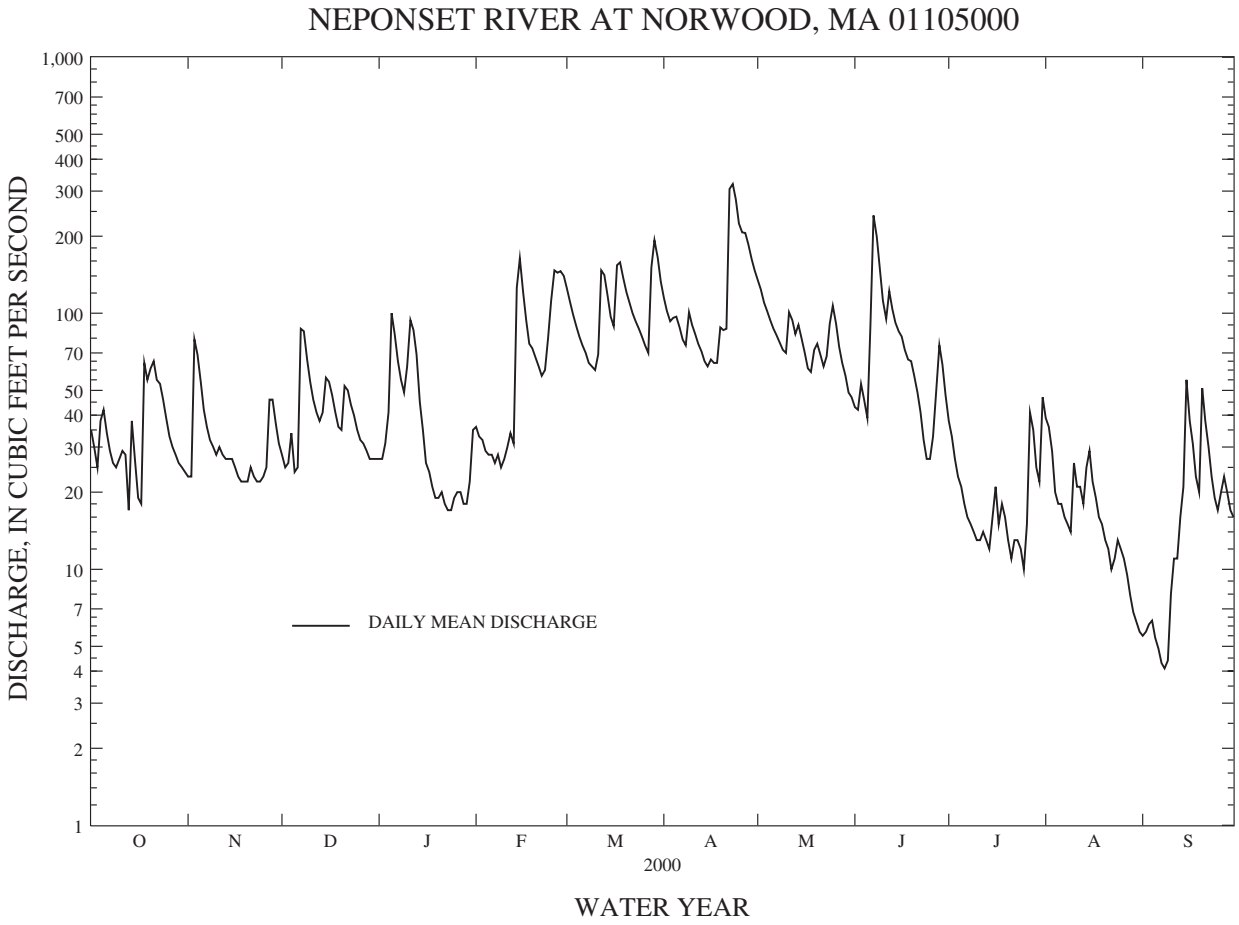
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	28.9	46.7	62.5	71.0	79.1	112	102	63.9	42.3	21.1	23.5	21.6
MAX	135	188	187	224	188	236	284	147	236	79.3	226	87.7
(WY)	1997	1956	1987	1979	1970	1983	1987	1998	1998	1959	1955	1954
MIN	5.14	5.88	7.78	5.35	13.4	45.3	31.8	21.2	8.71	5.44	4.30	5.85
(WY)	1998	1966	1966	1981	1980	1985	1966	1986	1981	1997	1981	1997

01105000 NEPONSET RIVER AT NORWOOD, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	21366.5		20229.8			
ANNUAL MEAN	58.5		55.3		56.1	
HIGHEST ANNUAL MEAN					106	1984
LOWEST ANNUAL MEAN					21.7	1966
HIGHEST DAILY MEAN	362	Feb 3	320	Apr 23	1260	Aug 20 1955
LOWEST DAILY MEAN	1.9	Aug 30	4.1	Sep 8	1.4	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 29	5.1	Sep 3	2.2	Aug 29 1999
INSTANTANEOUS PEAK FLOW			334	Apr 22	1490	Aug 19 1955
INSTANTANEOUS PEAK STAGE			7.78	Apr 22	14.65	Aug 19 1955
INSTANTANEOUS LOW FLOW			3.8	Sep 9		
10 PERCENT EXCEEDS	138		112		125	
50 PERCENT EXCEEDS	36		38		37	
90 PERCENT EXCEEDS	5.8		14		8.9	

e Estimated



01105000 NEPONSET RIVER AT NORWOOD, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1966-68, 1999-2000.

REMARKS.--Selected samples were analyzed for pesticide compounds on schedule 2001 (listed with minimum reporting levels in the section "Explanation of the Records"); only pesticide compounds identified by the analyses (either as estimated values or values measured at or above the minimum reporting level) for one or more samples are listed in the water-quality data tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)
OCT										
21...	1030	63	761	11.1	--	207	14.6	10.5	9.98	2.86
NOV										
02...	1130	22	760	10.0	--	252	19.7	14.0	11.8	3.46
DEC										
02...	1130	24	762	13.9	7.2	240	7.9	2.1	11.2	3.67
JAN										
06...	1035	85	775	14.3	7.1	191	1.2	2.5	8.64	2.60
FEB										
14...	1045	129	749	12.4	6.8	274	6.9	1.3	9.82	2.48
23...	1100	56	771	15.2	7.3	286	11.1	2.2	10.3	2.91
MAR										
09...	1100	62	753	12.4	7.3	240	18.3	7.9	9.13	2.60
APR										
21...	1100	78	760	10.8	7.3	228	10.4	10.8	10.4	2.82
MAY										
10...	1045	66	757	8.4	7.2	246	11.8	18.1	10.6	2.77
JUN										
28...	1050	72	759	8.0	7.2	221	23.7	23.9	10.1	2.65
JUL										
11...	1200	19	755	7.7	7.2	270	25.2	22.7	12.6	3.33
AUG										
08...	0930	15	756	6.6	7.2	257	27.3	23.7	12.6	3.35
08...	1000	15	756	6.6	7.2	257	27.3	23.7	--	--
08...	1330	15	--	--	--	--	--	--	--	--
SEP										
21...	0800	39	750	7.8	7.1	208	21.5	20.4	9.88	2.66

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT										
21...	2.5	21.6	--	--	38.8	<0.1	8.3	10.5	0.42	0.55
NOV										
02...	2.3	26.6	--	--	47.9	<.1	9.9	10.6	.59	.58
DEC										
02...	2.2	25.0	24	29	48.8	<.1	10.2	9.2	.45	.49
JAN										
06...	1.7	20.2	17	21	36.7	<.1	7.1	9.8	.32	.39
FEB										
14...	1.8	39.0	16	19	63.4	<.1	6.3	9.5	.50	.92
23...	1.7	32.8	18	22	61.3	<.1	8.2	10.6	.29	.38
MAR										
09...	1.6	26.6	15	18	47.3	<.1	5.9	9.7	.24	.30
APR										
21...	1.6	28.3	20	24	47.4	<.1	3.8	8.8	.35	.34
MAY										
10...	1.7	26.8	21	26	47.9	<.1	3.2	8.9	.34	.41
JUN										
28...	1.6	24.5	22	27	43.9	.1	5.9	7.4	.46	.63
JUL										
11...	1.9	31.9	29	35	55.6	<.1	6.5	7.3	.40	.50
AUG										
08...	2.0	29.9	26	32	54.2	<.1	8.7	7.4	.41	.54
08...	--	--	26	32	--	--	--	7.4	.41	.56
08...	--	--	--	--	--	--	--	--	--	--
SEP										
21...	1.8	23.6	23	28	40.9	<.1	4.0	6.4	.38	.41

01105000 NEPONSET RIVER AT NORWOOD, MA--Continued

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
OCT										
21...	0.037	0.246	<0.010	0.017	<0.010	0.053	12	0.4	133	--
NOV										
02...	.027	.297	<.010	.020	.013	.039	11	.2	159	--
DEC										
02...	.038	.303	<.010	.016	<.010	.032	10	.2	132	--
JAN										
06...	.042	.365	<.010	.009	<.010	.034	6.9	--	114	--
FEB										
14...	.184	.624	<.010	.022	.017	.139	4.9	>4.0	161	--
23...	.085	.630	<.010	.008	<.010	.019	5.2	.2	157	--
MAR										
09...	<.020	.476	<.010	E.005	<.010	.019	5.2	.2	130	--
APR										
21...	.020	.312	<.010	.007	<.010	.072	6.8	.3	133	--
MAY										
10...	<.020	.302	<.010	.012	<.010	.017	7.1	.5	138	--
JUN										
28...	.051	.406	.010	.030	<.010	.059	8.0	.7	138	--
JUL										
11...	.020	.383	<.010	.023	.015	.047	7.5	.7	159	--
AUG										
08...	.037	.328	.013	.025	<.010	.037	8.2	.3	158	--
08...	.030	.327	.012	.023	<.010	.038	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	30.2
SEP										
21...	<.020	.189	<.010	.018	.013	.038	6.7	.3	126	--

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
21...	330	54	--	--	--	--	--	7	78
NOV									
02...	390	81	--	--	--	--	--	1	50
DEC									
02...	480	105	--	--	--	--	--	7	74
JAN									
06...	220	90	--	--	--	--	--	5	82
FEB									
14...	150	130	--	--	--	--	--	38	88
23...	230	124	--	--	--	--	--	5	64
MAR									
09...	150	64	--	--	--	--	--	4	69
APR									
21...	230	59	E0.003	E0.003	0.008	E0.002	0.006	9	86
MAY									
10...	330	106	--	--	--	--	--	5	89
JUN									
28...	690	133	--	--	--	--	--	8	81
JUL									
11...	660	68	--	--	--	--	--	8	69
AUG									
08...	650	101	--	--	--	--	--	6	67
08...	--	--	<.001	<.004	.020	<.018	<.005	--	--
08...	--	--	--	--	--	--	--	--	--
SEP									
21...	200	39	--	--	--	--	--	4	70

01105500 EAST BRANCH NEPONSET RIVER AT CANTON, MA

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

DRAINAGE AREA.--27.2 mi^2.

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

REVISED RECORDS.--WSP 1901: Drainage area.

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

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

AVERAGE DISCHARGE.--48 years, 51.7 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft^3/s, Aug. 19, 1955, gage height, 8.18 ft, from rating curve extended above 690 ft^3/s; minimum daily, 0.60 ft^3/s, July 7, Sept. 1, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 448 ft^3/s, Apr. 22, gage height, 3.90 ft; minimum daily, 7.0 ft^3/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

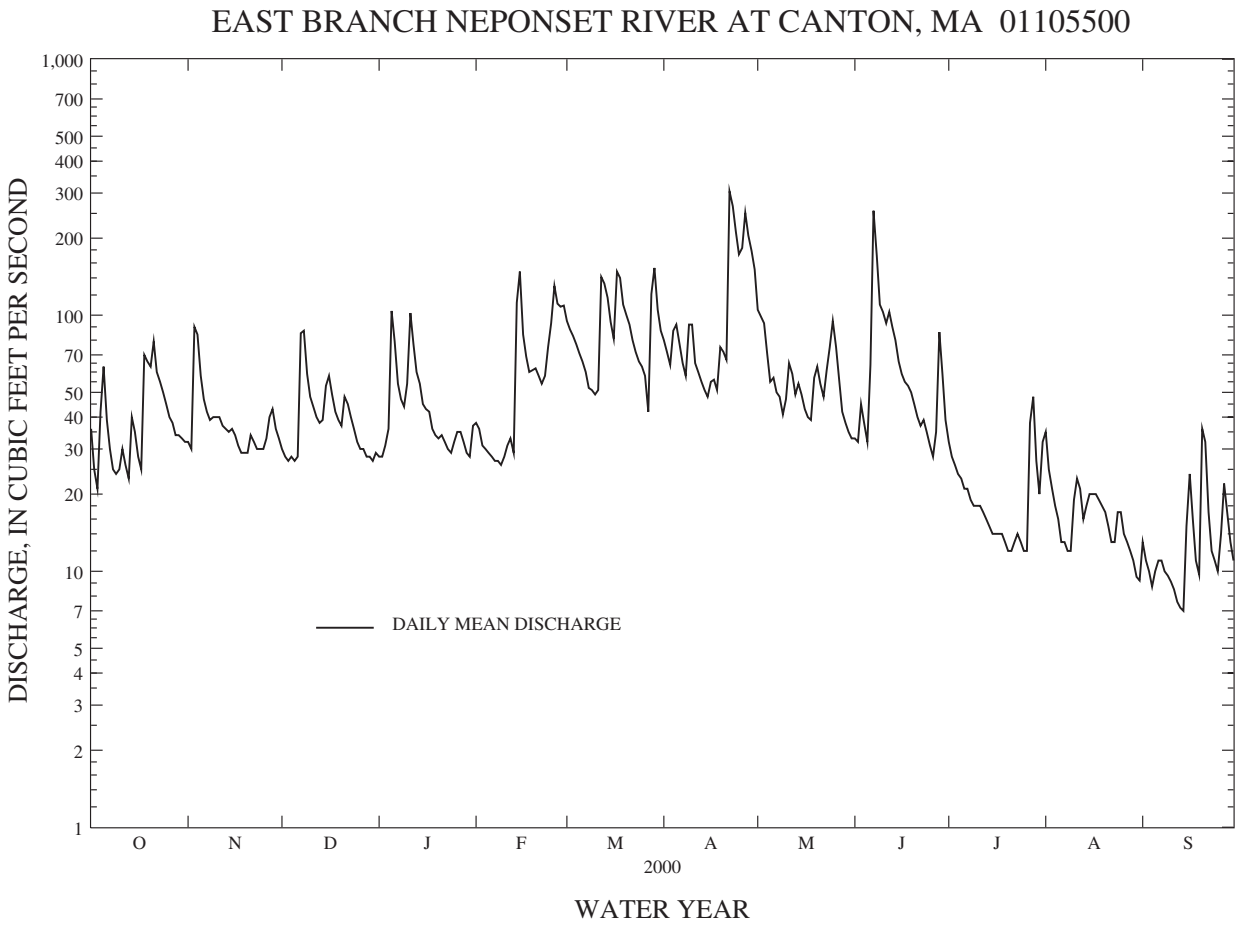
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	32	30	28	38	95	80	105	33	32	35	13
2	25	30	28	28	36	88	72	99	32	28	25	11
3	21	90	27	31	31	83	64	93	45	26	21	10
4	42	84	28	36	30	77	87	71	38	24	18	8.7
5	63	58	27	104	29	71	92	55	32	23	16	10
6	39	47	28	79	28	66	77	57	64	21	13	11
7	30	42	85	54	27	60	65	50	256	21	13	11
8	25	39	87	47	27	52	58	48	171	19	12	10
9	24	40	59	44	26	51	92	41	110	18	12	9.6
10	25	40	48	54	28	49	92	47	103	18	19	9.1
11	30	40	44	102	31	51	65	65	93	18	23	8.5
12	26	37	40	77	33	141	60	59	103	17	21	7.6
13	23	36	38	60	29	133	55	49	90	16	16	7.2
14	40	35	39	54	112	117	51	54	80	15	18	7.0
15	35	36	53	45	148	94	48	49	66	14	20	15
16	28	34	58	43	84	81	55	43	59	14	20	24
17	25	31	49	42	69	148	56	40	55	14	20	16
18	70	29	42	36	60	140	51	39	53	14	19	11
19	66	29	39	34	61	110	75	57	50	13	18	9.7
20	63	29	37	33	62	100	72	63	45	12	17	36
21	79	34	48	34	58	92	67	54	40	12	15	32
22	60	32	45	32	54	80	305	48	37	13	13	17
23	55	30	40	30	58	72	267	61	39	14	13	12
24	50	30	36	29	75	66	212	75	35	13	17	11
25	45	30	32	32	93	63	173	95	31	12	17	10
26	40	33	30	35	130	58	183	75	28	12	14	14
27	38	40	30	35	111	42	251	56	35	38	13	22
28	34	43	28	32	108	121	205	42	86	48	12	17
29	34	36	28	29	109	153	178	38	59	27	11	13
30	33	33	27	28	---	105	151	35	39	20	9.5	11
31	32	---	29	37	---	87	---	33	---	32	9.2	---
TOTAL	1236	1179	1259	1384	1785	2746	3359	1796	2007	618	519.7	404.4
MEAN	39.9	39.3	40.6	44.6	61.6	88.6	112	57.9	66.9	19.9	16.8	13.5
MAX	79	90	87	104	148	153	305	105	256	48	35	36
MIN	21	29	27	28	26	42	48	33	28	12	9.2	7.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2000, BY WATER YEAR (WY)

MEAN	31.1	47.6	63.9	69.5	73.6	94.7	87.7	54.1	37.0	18.9	21.5	21.9
MAX	127	161	159	177	132	177	210	142	186	70.5	203	76.5
(WY)	1997	1956	1993	1979	1970	1968	1987	1954	1998	1998	1955	1999
MIN	6.42	8.35	9.78	10.6	20.1	40.8	20.7	20.2	8.62	4.46	3.64	4.39
(WY)	1966	1966	1966	1966	1980	1985	1966	1965	1964	1965	1957	1997

01105500 EAST BRANCH NEPONSET RIVER AT CANTON, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1953 - 2000	
ANNUAL TOTAL	20657.6		18293.1			
ANNUAL MEAN	56.6		50.0		51.7	
HIGHEST ANNUAL MEAN					79.4	1998
LOWEST ANNUAL MEAN					18.6	1966
HIGHEST DAILY MEAN	363	Sep 11	305	Apr 22	1360	Aug 19 1955
LOWEST DAILY MEAN	3.1	Sep 3	7.0	Sep 14	.60	Jul 7 1957
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 31	8.4	Sep 8	2.5	Sep 7 1993
INSTANTANEOUS PEAK FLOW			448	Apr 22	1790	Aug 19 1955
INSTANTANEOUS PEAK STAGE			3.90	Apr 22	8.18	Aug 19 1955
INSTANTANEOUS LOW FLOW			5.5	May 9		
10 PERCENT EXCEEDS	136		94		111	
50 PERCENT EXCEEDS	38		38		37	
90 PERCENT EXCEEDS	5.3		13		8.0	



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 mi^2.

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 ft^3/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.--3 years (water year 1998-2000), 307 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,720 ft^3/s, June 18, 1998, gage height, 36.93 ft; minimum, 4.8 ft^3/s, Oct. 24, 1997, minimum daily, 10 ft^3/s, Oct. 23, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,140 ft^3/s, Apr. 26, gage height, 34.93 ft; maximum gage height, 35.63 ft (tidal surge), June. 7, minimum discharge, 6.0 ft^3/s, Oct. 15, minimum daily, 42 ft^3/s, Sept. 9, 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	99	109	102	161	626	461	808	164	164	165	50
2	129	96	89	102	155	595	428	732	158	135	148	57
3	105	225	90	104	147	558	376	647	239	112	125	52
4	133	291	98	124	147	508	362	566	223	106	112	49
5	182	267	93	385	140	453	356	495	e193	100	86	47
6	168	219	81	425	134	405	333	433	e357	90	82	45
7	e130	180	231	394	129	358	313	373	805	82	76	44
8	e110	146	300	348	121	322	350	321	760	76	71	43
9	e100	133	283	307	115	286	423	288	724	73	67	42
10	e110	130	242	310	115	265	442	286	675	77	87	42
11	e120	137	207	440	126	272	409	329	610	72	97	44
12	e110	125	179	442	139	478	381	321	627	66	109	45
13	e70	120	147	401	135	515	345	291	585	64	86	48
14	e130	116	148	356	365	494	314	302	527	61	95	54
15	e110	110	184	389	558	470	290	271	469	63	102	114
16	e90	110	207	367	562	433	280	252	411	85	100	139
17	88	95	192	270	539	532	269	218	355	72	102	95
18	213	94	168	255	497	553	250	201	313	92	90	77
19	278	92	146	204	444	533	357	230	294	134	91	70
20	279	92	132	160	393	513	e388	297	257	94	82	164
21	336	103	165	139	363	478	370	287	251	74	72	145
22	312	92	168	e118	334	437	858	250	222	75	69	112
23	e271	94	151	e140	326	379	1020	284	200	71	78	86
24	257	90	136	126	378	355	1090	331	171	64	87	73
25	209	90	120	169	478	320	1110	390	148	59	77	65
26	180	e107	108	190	591	292	1120	380	132	62	70	84
27	149	e139	96	166	614	255	1110	337	177	183	63	106
28	132	162	98	184	640	368	1070	287	260	193	57	89
29	120	142	99	158	653	493	1020	242	249	156	53	74
30	111	122	102	117	---	500	934	193	205	120	51	65
31	106	---	100	146	---	487	---	181	---	160	50	---
TOTAL	4995	4018	4669	7538	9499	13533	16829	10823	10761	3035	2700	2220
MEAN	161	134	151	243	328	437	561	349	359	97.9	87.1	74.0
MAX	336	291	300	442	653	626	1120	808	805	193	165	164
MIN	70	90	81	102	115	255	250	181	132	59	50	42

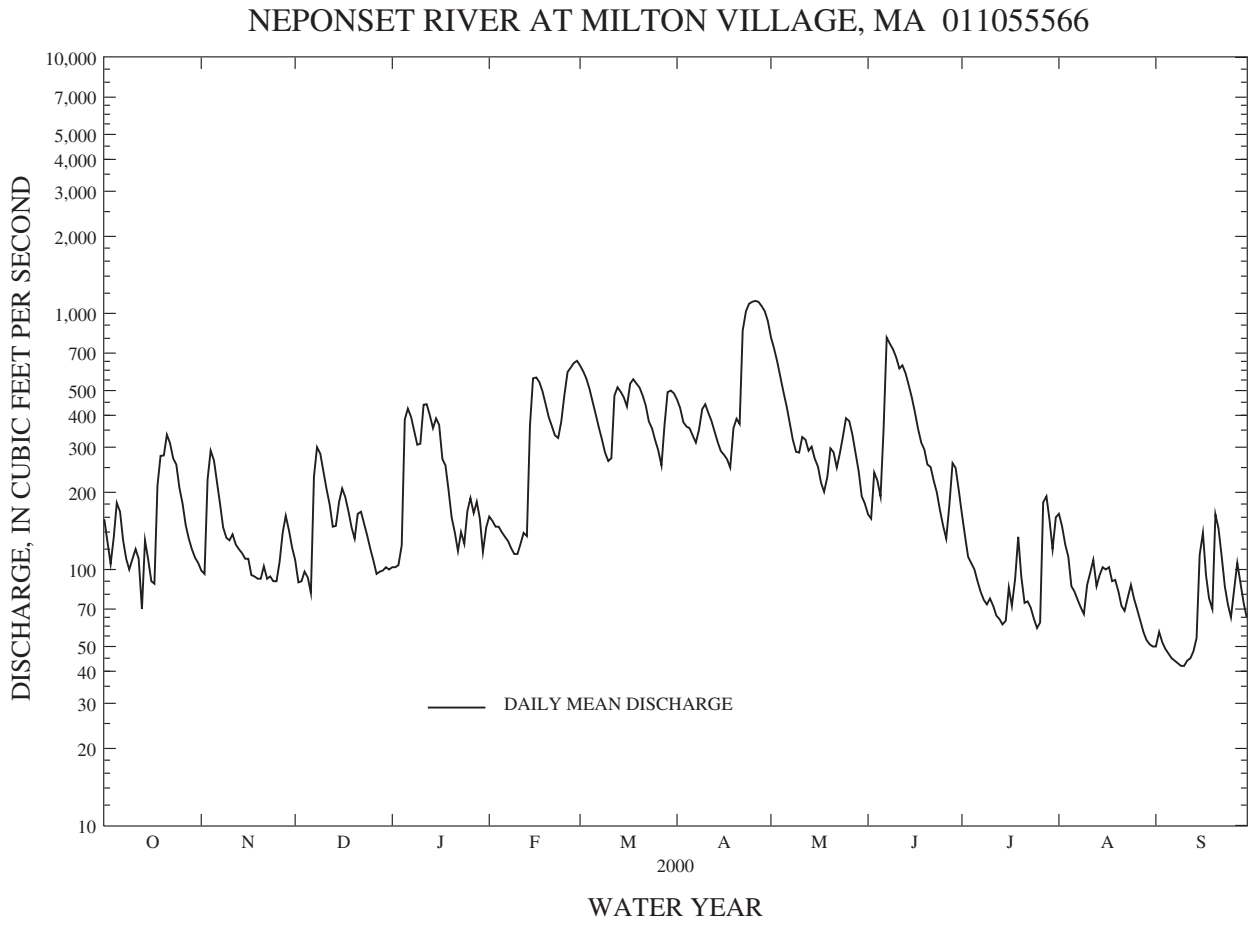
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	142	158	299	416	488	605	566	401	383	158	74.9	109
MAX	244	274	860	577	611	849	1002	783	1046	443	161	271
(WY)	1999	1997	1997	1999	1999	1998	1997	1998	1998	1998	1998	1999
MIN	20.9	96.6	85.0	243	328	437	207	155	39.6	29.2	24.9	19.3
(WY)	1998	1999	1999	2000	2000	2000	1999	1999	1999	1997	1999	1997

011055566 NEPONSET RIVER AT MILTON VILLAGE, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	91261		90620			
ANNUAL MEAN	250		248		307	
HIGHEST ANNUAL MEAN					426	1998
LOWEST ANNUAL MEAN					248	2000
HIGHEST DAILY MEAN	1060	Feb 5	1120	Apr 26	2510	Jun 19 1998
LOWEST DAILY MEAN	12	Sep 1	42	Sep 9	10	Oct 23 1997
ANNUAL SEVEN-DAY MINIMUM	13	Aug 30	44	Sep 6	12	Oct 18 1997
INSTANTANEOUS PEAK FLOW			1140	Apr 26	2720	Jun 18 1998
INSTANTANEOUS PEAK STAGE			34.93	Apr 26	36.93	Jun 18 1998
INSTANTANEOUS LOW FLOW			6.0	Oct 15	4.8	Oct 24 1997
10 PERCENT EXCEEDS	663		510		819	
50 PERCENT EXCEEDS	142		165		182	
90 PERCENT EXCEEDS	25		72		30	

e Estimated



01105583 MONATIQUOT RIVER AT EAST BRAINTREE, MA

LOCATION.--Lat 42°13'15", long 70°58'43", Norfolk County, Hydrologic Unit 01090001, at Commercial Street, 0.2 mi upstream from mouth, 0.3 mi south of East Braintree.

DRAINAGE AREA.--Not determined.

PERIOD of RECORD.--Water Years 1999-2000.

REMARKS.--Discharge obtained by discharge measurements on the day of sampling. Instantaneous records are based on composite samples and are representative of the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	GAGE HEIGHT (FEET) (00065)	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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV										
22...	1330	4.16	18	766	10.7	6.8	326	21.0	10.0	0.44
24...	1000	--	--	--	--	--	--	--	--	<.10
DEC										
16...	1300	4.51	42	756	11.8	7.0	270	13.0	6.0	.96
APR										
06...	1200	4.66	48	760	11.6	6.8	398	12.5	10.0	.31
MAY										
11...	1040	4.62	45	770	9.8	7.2	378	14.7	13.2	.50
22...	1115	4.40	31	776	9.8	6.8	361	14.6	14.2	.42
JUN										
08...	0810	5.40	130	762	9.6	7.1	208	20.5	13.5	.36
08...	0815	5.40	130	762	9.6	7.1	208	20.5	13.5	.39
19...	1040	4.53	38	780	8.8	6.4	324	22.3	20.0	.57

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV									
22...	0.40	0.035	0.101	<0.010	0.012	<0.010	<0.008	220	560
24...	<.10	<.020	<.050	<.010	<.006	<.010	<.008	--	--
DEC									
16...	3.4	.052	.116	<.010	.021	<.010	.020	670	480
APR									
06...	.37	<.020	.076	<.010	E.004	<.010	.014	430	270
MAY									
11...	.64	.067	.157	<.010	.012	<.010	.024	3,100	3,000
22...	.52	.040	.062	<.010	.008	<.010	.023	900	850
JUN									
08...	.52	.024	.093	<.010	.019	<.010	.042	3,100	680
08...	.44	.028	.094	<.010	.019	<.010	.042	--	--
19...	.51	.064	.113	<.010	.018	<.010	.039	1,100	400

Water quality samples are collected at the Pawtuxet River at Pawtuxet, RI, 01116617. (photo by J. L. Zanca)

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 mi^2 (partially culverted).

PERIOD OF RECORD.--Gage height: February 1999 to September 2000.

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, 18.78 ft above NGVD, July 18, 2000, but may have been higher during periods of no gage height record; minimum gage height, 16.20 ft, Nov. 1 and 2, 1999, but may have been lower during periods of no gage height record.

EXTREMES FOR WATER YEAR.-Maximum gage height, 18.78 ft above NGVD, July 18, but may have been higher during periods of no gage height record; minimum gage height, 16.20 ft, Nov. 1 and 2, but may have been lower during periods of no gage height record.

WATER LEVEL, IN FEET ABOVE NGVD OF 1929, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	16.26	16.20	16.22	17.03	16.95	17.00	16.73	16.70	16.71
2	---	---	---	17.50	16.20	16.42	17.10	16.99	17.03	16.82	16.72	16.76
3	---	---	---	18.17	17.43	17.75	17.69	17.05	17.16	16.85	16.81	16.83
4	---	---	---	17.52	17.24	17.36	17.72	17.61	17.67	18.24	16.74	17.08
5	---	---	---	17.26	17.22	17.24	17.74	17.67	17.70	18.24	17.65	17.84
6	---	---	---	17.26	17.20	17.22	17.92	17.73	17.80	17.65	17.14	17.47
7	---	---	---	17.25	17.20	17.23	18.18	17.89	18.03	17.14	17.07	17.09
8	---	---	---	17.34	17.23	17.28	17.97	17.90	17.93	17.07	17.03	17.05
9	---	---	---	17.36	17.27	17.31	17.90	17.50	17.65	17.07	17.04	17.05
10	---	---	---	17.96	17.35	17.41	17.55	17.49	17.51	18.20	17.03	17.37
11	---	---	---	17.96	17.59	17.79	17.85	17.53	17.69	17.90	17.71	17.82
12	---	---	---	17.94	17.75	17.79	17.86	17.84	17.85	17.71	17.23	17.47
13	---	---	---	17.94	17.83	17.86	17.91	17.83	17.85	17.48	17.24	17.34
14	---	---	---	17.95	17.83	17.86	17.90	17.84	17.87	17.38	17.17	17.29
15	---	---	---	17.89	17.80	17.85	18.08	17.86	17.95	17.26	17.08	17.17
16	---	---	---	17.87	17.83	17.85	17.91	17.87	17.89	17.44	17.15	17.27
17	---	---	---	17.86	16.57	17.06	17.88	17.87	17.87	17.36	17.01	17.20
18	---	---	---	16.59	16.57	16.58	17.87	17.86	17.87	17.30	17.02	17.14
19	---	---	---	16.59	16.57	16.58	17.87	17.86	17.86	17.18	17.10	17.15
20	---	---	---	17.31	16.58	16.62	17.87	16.59	17.16	17.21	17.06	17.14
21	---	---	---	16.97	16.65	16.74	17.24	16.64	16.76	17.23	17.07	17.18
22	---	---	---	16.68	16.65	16.66	16.64	16.62	16.63	17.28	16.99	17.10
23	17.76	16.49	16.79	16.73	16.67	16.71	16.65	16.61	16.63	17.14	17.05	17.09
24	16.55	16.50	16.51	16.79	16.72	16.76	16.65	16.63	16.64	17.22	17.09	17.15
25	16.54	16.50	16.52	17.50	16.78	16.94	16.63	16.61	16.62	17.72	17.13	17.40
26	16.52	16.32	16.46	17.15	16.94	17.02	16.67	16.61	16.64	17.76	17.17	17.54
27	16.49	16.26	16.37	17.98	16.94	17.42	16.68	16.65	16.66	17.17	16.61	16.86
28	16.27	16.25	16.26	17.27	17.02	17.09	16.67	16.65	16.66	16.67	16.57	16.60
29	16.27	16.25	16.26	17.04	16.98	17.01	16.66	16.64	16.66	16.63	16.57	16.59
30	16.25	16.24	16.25	17.07	16.96	17.01	16.74	16.65	16.71	16.67	16.58	16.62
31	16.25	16.23	16.24	---	---	---	16.74	16.71	16.72	17.43	16.63	17.06
MONTH	---	---	---	18.17	16.20	17.15	18.18	16.59	17.31	18.24	16.57	17.14

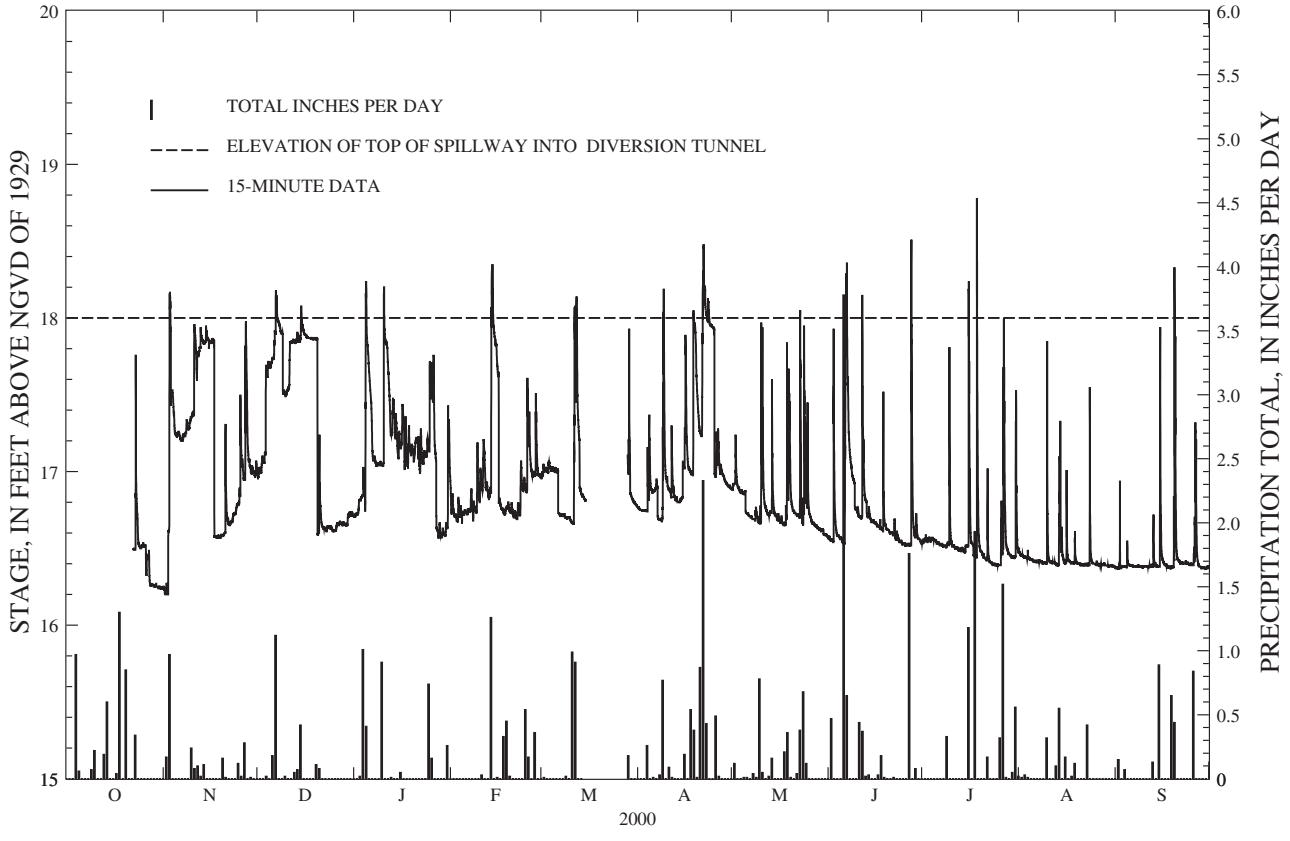
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16.94	16.72	16.81	17.05	16.95	16.99	16.77	16.75	16.76	16.92	16.88	16.90
2	16.75	16.68	16.72	17.03	17.00	17.01	16.75	16.74	16.75	17.24	16.91	16.98
3	16.83	16.67	16.73	17.07	16.99	17.03	16.75	16.74	16.75	16.91	16.86	16.89
4	16.78	16.66	16.72	17.03	17.00	17.02	17.37	16.74	16.94	16.88	16.85	16.86
5	16.75	16.72	16.73	17.03	16.99	17.01	17.00	16.86	16.89	16.88	16.73	16.80
6	16.76	16.72	16.74	17.02	16.72	16.88	16.92	16.87	16.88	16.73	16.71	16.72
7	16.89	16.74	16.79	16.72	16.71	16.72	16.95	16.68	16.79	16.71	16.69	16.70
8	16.81	16.68	16.75	16.73	16.70	16.71	16.77	16.67	16.69	16.77	16.68	16.70
9	17.19	16.73	16.88	16.71	16.69	16.70	18.19	16.75	17.32	16.75	16.66	16.69
10	17.02	16.80	16.89	16.71	16.66	16.68	16.97	16.88	16.93	17.97	16.66	16.89
11	17.21	16.87	17.03	18.07	16.66	17.03	17.30	16.83	16.90	17.43	16.76	16.92
12	17.06	16.87	16.92	18.14	17.31	17.70	17.10	16.83	16.90	16.78	16.72	16.74
13	16.90	16.82	16.86	17.31	16.85	17.02	16.84	16.80	16.81	16.74	16.71	16.73
14	18.35	16.86	17.95	16.86	16.82	16.84	16.83	16.80	16.81	17.60	16.72	16.86
15	17.92	17.70	17.83	16.82	16.81	16.81	17.07	16.82	16.94	16.72	16.68	16.70
16	17.70	16.79	17.23	---	---	---	17.89	17.02	17.35	16.73	16.66	16.68
17	16.79	16.73	16.76	---	---	---	17.09	16.99	17.02	16.71	16.65	16.66
18	16.76	16.72	16.74	---	---	---	18.05	16.97	17.17	17.84	16.65	16.80
19	16.80	16.74	16.77	---	---	---	18.00	17.55	17.84	17.67	16.81	17.14
20	16.80	16.72	16.75	---	---	---	17.55	17.26	17.38	16.91	16.74	16.79
21	16.75	16.70	16.72	---	---	---	18.29	17.23	17.48	16.74	16.72	16.73
22	16.80	16.69	16.73	---	---	---	18.48	18.02	18.16	16.81	16.70	16.71
23	17.07	16.71	16.86	---	---	---	18.13	17.97	18.01	18.05	16.65	16.97
24	16.96	16.87	16.90	---	---	---	17.98	17.94	17.95	17.95	16.65	16.99
25	17.61	16.86	17.07	---	---	---	17.94	16.96	17.54	17.45	16.73	16.85
26	17.39	17.00	17.13	---	---	---	17.28	16.96	17.10	16.73	16.66	16.70
27	17.00	16.96	16.98	---	---	---	17.14	16.98	17.03	16.67	16.65	16.66
28	17.51	16.97	17.12	17.11	17.01	17.10	17.00	16.94	16.97	16.65	16.63	16.64
29	17.01	16.96	16.98	17.93	16.84	17.02	16.94	16.91	16.92	16.63	16.61	16.62
30	---	---	---	16.84	16.79	16.81	16.91	16.89	16.90	16.63	16.58	16.61
31	---	---	---	16.80	16.77	16.78	---	---	---	16.59	16.57	16.59
MONTH	18.35	16.66	16.93	---	---	---	18.48	16.67	17.13	18.05	16.57	16.78

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

WATER LEVEL, IN FEET ABOVE NGVD OF 1929, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.58	16.55	16.56	16.56	16.53	16.54	16.50	16.45	16.47	16.38	16.36	16.37
2	17.93	16.54	16.71	16.59	16.54	16.56	16.46	16.44	16.45	16.94	16.36	16.40
3	17.02	16.58	16.68	16.57	16.54	16.56	16.47	16.43	16.44	16.39	16.37	16.38
4	16.59	16.56	16.58	16.57	16.55	16.56	16.49	16.42	16.44	16.55	16.37	16.39
5	16.57	16.53	16.55	16.56	16.53	16.55	16.43	16.41	16.42	16.42	16.38	16.39
6	18.29	16.53	17.28	16.54	16.52	16.53	16.42	16.41	16.42	16.39	16.38	16.39
7	18.36	17.12	17.47	16.53	16.51	16.52	16.43	16.41	16.41	16.39	16.38	16.38
8	17.12	16.96	17.03	16.52	16.50	16.52	16.42	16.40	16.41	16.39	16.38	16.38
9	16.96	16.75	16.86	17.81	16.51	16.62	16.41	16.40	16.40	16.39	16.37	16.38
10	16.77	16.70	16.73	16.94	16.51	16.58	17.85	16.40	16.55	16.39	16.38	16.38
11	18.15	16.69	16.74	16.52	16.49	16.51	16.42	16.40	16.41	16.39	16.37	16.38
12	18.01	16.82	17.06	16.51	16.48	16.50	16.41	16.40	16.41	16.40	16.38	16.38
13	16.82	16.70	16.75	16.51	16.48	16.49	16.62	16.39	16.40	16.72	16.38	16.42
14	16.77	16.67	16.70	16.50	16.47	16.49	17.33	16.47	16.66	16.39	16.38	16.38
15	16.69	16.66	16.67	16.53	16.48	16.51	16.51	16.40	16.43	17.94	16.38	16.67
16	16.67	16.64	16.66	18.24	16.53	16.97	17.01	16.40	16.48	16.44	16.39	16.41
17	16.69	16.62	16.64	16.54	16.45	16.50	16.42	16.40	16.41	16.40	16.37	16.39
18	17.52	16.61	16.70	18.78	16.44	16.84	16.43	16.40	16.41	16.38	16.37	16.38
19	16.70	16.62	16.65	17.03	16.48	16.58	16.61	16.40	16.44	18.33	16.37	16.43
20	16.63	16.59	16.61	16.48	16.44	16.46	16.41	16.39	16.40	18.33	16.43	16.81
21	16.61	16.58	16.60	16.44	16.42	16.43	16.40	16.39	16.39	16.43	16.40	16.42
22	16.69	16.55	16.60	17.02	16.41	16.48	16.40	16.39	16.39	16.41	16.40	16.41
23	16.61	16.54	16.57	16.41	16.39	16.40	17.55	16.39	16.49	16.42	16.40	16.40
24	16.55	16.52	16.54	16.40	16.39	16.40	16.67	16.40	16.44	16.41	16.39	16.40
25	16.54	16.51	16.53	16.40	16.39	16.39	16.40	16.39	16.40	16.40	16.39	16.39
26	16.53	16.52	16.53	16.81	16.39	16.48	16.42	16.39	16.40	17.32	16.39	16.64
27	18.51	16.52	16.92	18.00	16.49	16.94	16.40	16.39	16.39	16.68	16.38	16.44
28	17.04	16.57	16.67	16.55	16.46	16.49	16.41	16.39	16.39	16.38	16.37	16.38
29	16.73	16.56	16.60	16.47	16.44	16.45	16.39	16.38	16.39	16.38	16.36	16.37
30	16.56	16.53	16.55	16.45	16.43	16.44	16.39	16.38	16.39	16.39	16.37	16.38
31	---	---	---	17.53	16.44	16.67	16.39	16.38	16.38	---	---	---
MONTH	18.51	16.51	16.72	18.78	16.39	16.55	17.85	16.38	16.43	18.33	16.36	16.42

TOWN BROOK AT DIVERSION TUNNEL AT QUINCY, MA 01105584



011055841 BURGIN BROOK AT DIVERSION TUNNEL AT QUINCY, MA

LOCATION.--Lat 42°14'40", long 71°00'15", Norfolk County, Hydrologic Unit 01090001, on right bank, 50 ft upstream from diversion tunnel, 100 ft west of Burgin Parkway, and 0.5 mi south of Quincy.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Gage height: February 1999 to September 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 12.10 ft above National Geodetic Vertical Datum of 1929. Elevation data provided by U.S. Army Corps of Engineers.

REMARKS.--Records not rated.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.31 ft above NGVD, Sept. 9,10, 1999, but may have been higher during periods of no gage height record; minimum gage height, 11.85 ft, Nov. 1, 2, 3, 2000, but may have been lower during periods of no gage height record

EXTREMES FOR WATER YEAR.-Maximum gage height, 15.06 ft above NGVD, July 18 , but may have been higher during periods of no gage height record; minimum gage height, 11.85 ft, Nov. 1, 2, 3, but may have been lower during periods of no gage height record.

WATER LEVEL, IN FEET ABOVE NGVD OF 1929, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

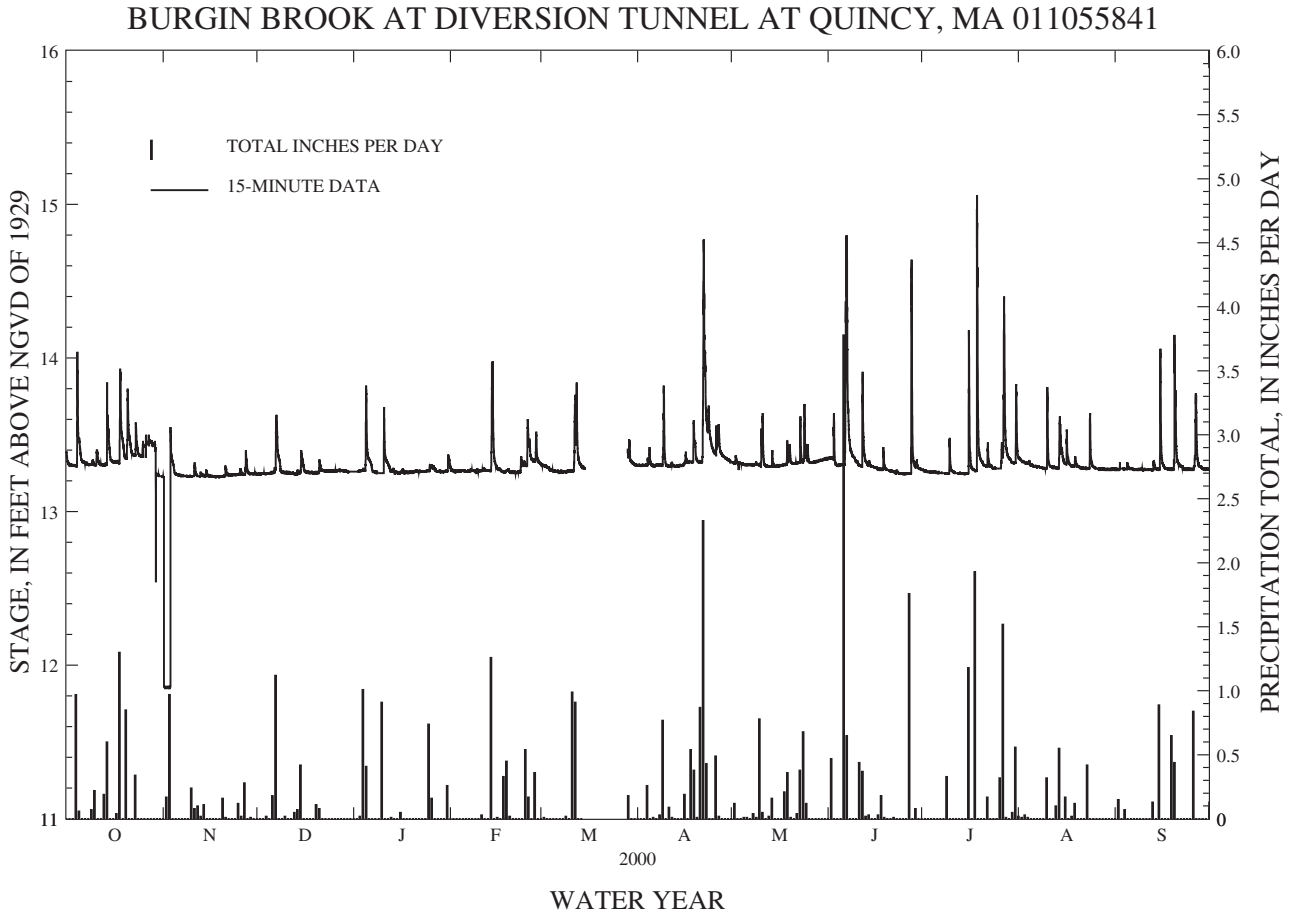
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	13.39	13.30	13.33	13.23	11.85	12.20	13.25	13.24	13.25	13.26	13.26	13.26
2	13.31	13.29	13.30	11.86	11.85	11.86	13.25	13.24	13.25	13.27	13.26	13.26
3	13.31	13.29	13.30	13.55	11.85	12.90	13.25	13.24	13.25	13.27	13.26	13.27
4	14.04	13.29	13.48	13.33	13.24	13.28	13.25	13.24	13.25	13.74	13.26	13.31
5	13.48	13.33	13.39	13.25	13.23	13.24	13.26	13.24	13.25	13.82	13.33	13.45
6	13.33	13.31	13.32	13.24	13.23	13.24	13.29	13.25	13.26	13.34	13.27	13.31
7	13.32	13.30	13.31	13.24	13.23	13.23	13.63	13.27	13.46	13.27	13.25	13.26
8	13.31	13.30	13.31	13.24	13.22	13.23	13.36	13.25	13.30	13.26	13.25	13.25
9	13.34	13.30	13.31	13.24	13.22	13.23	13.26	13.25	13.26	13.25	13.25	13.25
10	13.40	13.30	13.34	13.30	13.22	13.23	13.26	13.24	13.25	13.68	13.25	13.34
11	13.37	13.30	13.32	13.32	13.23	13.26	13.26	13.24	13.25	13.41	13.31	13.34
12	13.31	13.30	13.30	13.26	13.22	13.23	13.26	13.24	13.25	13.32	13.26	13.29
13	13.33	13.30	13.31	13.26	13.23	13.24	13.26	13.24	13.25	13.28	13.26	13.27
14	13.84	13.33	13.50	13.27	13.23	13.24	13.27	13.24	13.26	13.27	13.24	13.26
15	13.36	13.32	13.33	13.25	13.23	13.23	13.40	13.25	13.32	13.26	13.24	13.25
16	13.33	13.31	13.32	13.24	13.22	13.23	13.29	13.25	13.27	13.28	13.25	13.26
17	13.33	13.31	13.32	13.23	13.22	13.23	13.26	13.25	13.26	13.27	13.24	13.26
18	13.93	13.32	13.60	13.23	13.22	13.23	13.26	13.25	13.25	13.26	13.25	13.25
19	13.46	13.34	13.39	13.23	13.22	13.23	13.26	13.24	13.25	13.26	13.25	13.26
20	13.80	13.34	13.50	13.30	13.22	13.23	13.29	13.24	13.25	13.27	13.25	13.26
21	13.51	13.38	13.44	13.29	13.23	13.25	13.34	13.26	13.29	13.27	13.25	13.26
22	13.38	13.36	13.37	13.25	13.23	13.24	13.27	13.26	13.27	13.27	13.25	13.26
23	13.58	13.36	13.44	13.25	13.23	13.24	13.27	13.26	13.27	13.27	13.26	13.26
24	13.38	13.35	13.37	13.25	13.23	13.24	13.27	13.26	13.26	13.27	13.26	13.26
25	13.46	13.35	13.40	13.28	13.24	13.25	13.27	13.26	13.26	13.30	13.26	13.28
26	13.50	13.35	13.44	13.26	13.24	13.25	13.27	13.26	13.27	13.30	13.27	13.29
27	13.50	13.43	13.45	13.40	13.24	13.30	13.28	13.26	13.27	13.28	13.26	13.27
28	13.46	13.42	13.44	13.27	13.24	13.25	13.27	13.26	13.27	13.27	13.25	13.26
29	13.46	12.54	13.34	13.25	13.24	13.25	13.27	13.26	13.26	13.27	13.25	13.26
30	13.24	13.23	13.24	13.26	13.24	13.25	13.27	13.25	13.26	13.27	13.26	13.26
31	13.23	13.22	13.23	---	---	---	13.26	13.26	13.26	13.37	13.26	13.32
MONTH	14.04	12.54	13.37	13.55	11.85	13.15	13.63	13.24	13.27	13.82	13.24	13.28

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.29	13.26	13.27	13.31	13.29	13.30	13.31	13.29	13.30	13.32	13.31	13.32
2	13.27	13.25	13.26	13.30	13.28	13.29	13.31	13.29	13.30	13.36	13.31	13.33
3	13.27	13.26	13.26	13.29	13.26	13.28	13.31	13.30	13.30	13.32	13.27	13.31
4	13.27	13.26	13.26	13.28	13.26	13.27	13.42	13.30	13.33	13.32	13.30	13.31
5	13.27	13.26	13.27	13.27	13.26	13.26	13.34	13.29	13.31	13.31	13.30	13.31
6	13.27	13.26	13.26	13.27	13.25	13.26	13.31	13.29	13.30	13.31	13.30	13.31
7	13.28	13.26	13.27	13.27	13.25	13.26	13.31	13.30	13.30	13.31	13.30	13.31
8	13.27	13.26	13.27	13.27	13.25	13.26	13.31	13.29	13.30	13.32	13.30	13.31
9	13.28	13.25	13.26	13.27	13.25	13.26	13.82	13.30	13.45	13.32	13.30	13.31
10	13.27	13.26	13.26	13.27	13.26	13.26	13.31	13.29	13.30	13.62	13.29	13.36
11	13.29	13.26	13.27	13.70	13.26	13.36	13.32	13.29	13.30	13.64	13.29	13.38
12	13.28	13.26	13.27	13.84	13.35	13.55	13.32	13.29	13.30	13.30	13.29	13.29
13	13.27	13.26	13.27	13.36	13.29	13.31	13.30	13.29	13.30	13.30	13.29	13.29
14	13.98	13.26	13.60	13.30	13.28	13.29	13.31	13.29	13.30	13.40	13.29	13.32
15	13.37	13.28	13.31	13.29	13.28	13.28	13.32	13.29	13.30	13.31	13.29	13.30
16	13.28	13.27	13.28	---	---	---	13.39	13.31	13.33	13.31	13.29	13.30
17	13.28	13.26	13.26	---	---	---	13.33	13.31	13.32	13.31	13.30	13.30
18	13.27	13.25	13.26	---	---	---	13.59	13.31	13.35	13.46	13.30	13.33
19	13.28	13.26	13.27	---	---	---	13.59	13.33	13.42	13.44	13.32	13.38
20	13.27	13.25	13.26	---	---	---	13.34	13.32	13.33	13.34	13.31	13.32
21	13.26	13.25	13.26	---	---	---	13.89	13.32	13.37	13.32	13.31	13.31
22	13.27	13.25	13.25	---	---	---	14.77	13.61	14.05	13.33	13.31	13.32
23	13.36	13.25	13.29	---	---	---	13.69	13.51	13.58	13.62	13.31	13.39
24	13.33	13.29	13.31	---	---	---	13.55	13.41	13.46	13.70	13.32	13.44
25	13.60	13.29	13.38	---	---	---	13.41	13.37	13.39	13.44	13.32	13.36
26	13.48	13.34	13.40	---	---	---	13.57	13.36	13.48	13.32	13.31	13.32
27	13.35	13.32	13.33	---	---	---	13.55	13.37	13.42	13.33	13.31	13.32
28	13.52	13.32	13.38	13.41	13.36	13.40	13.37	13.35	13.36	13.33	13.32	13.33
29	13.34	13.30	13.32	13.47	13.32	13.36	13.35	13.33	13.34	13.34	13.33	13.33
30	---	---	---	13.33	13.30	13.31	13.34	13.32	13.33	13.35	13.33	13.34
31	---	---	---	13.31	13.30	13.30	---	---	---	13.35	13.34	13.34
MONTH	13.98	13.25	13.30	---	---	---	14.77	13.29	13.37	13.70	13.27	13.33

011055841 BURGIN BROOK AT DIVERSION TUNNEL AT QUINCY, MA--Continued

WATER LEVEL, IN FEET ABOVE NGVD OF 1929, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.36	13.34	13.35	13.28	13.26	13.27	13.36	13.33	13.34	13.28	13.27	13.27
2	13.64	13.33	13.40	13.27	13.25	13.26	13.33	13.32	13.32	13.32	13.27	13.28
3	13.51	13.30	13.33	13.26	13.25	13.26	13.32	13.31	13.31	13.28	13.27	13.28
4	13.31	13.29	13.30	13.26	13.25	13.26	13.33	13.30	13.31	13.32	13.27	13.28
5	13.31	13.30	13.31	13.26	13.25	13.26	13.31	13.29	13.30	13.31	13.27	13.29
6	14.80	13.30	13.78	13.26	13.25	13.25	13.30	13.28	13.29	13.29	13.27	13.28
7	14.72	13.44	13.77	13.26	13.25	13.25	13.30	13.28	13.29	13.28	13.27	13.27
8	13.44	13.36	13.39	13.25	13.24	13.25	13.29	13.28	13.29	13.28	13.27	13.27
9	13.37	13.32	13.35	13.48	13.24	13.27	13.29	13.28	13.28	13.28	13.26	13.27
10	13.33	13.30	13.32	13.47	13.26	13.29	13.81	13.28	13.41	13.28	13.27	13.27
11	13.76	13.29	13.31	13.26	13.25	13.25	13.30	13.28	13.29	13.28	13.27	13.27
12	13.91	13.33	13.49	13.25	13.24	13.25	13.30	13.28	13.29	13.28	13.26	13.27
13	13.33	13.30	13.31	13.26	13.24	13.25	13.32	13.28	13.28	13.33	13.27	13.29
14	13.33	13.29	13.31	13.25	13.24	13.25	13.62	13.32	13.46	13.29	13.27	13.28
15	13.30	13.28	13.29	13.25	13.24	13.25	13.40	13.31	13.34	14.06	13.27	13.48
16	13.29	13.27	13.28	14.18	13.25	13.50	13.53	13.30	13.36	13.34	13.28	13.30
17	13.28	13.27	13.28	13.29	13.27	13.28	13.32	13.29	13.31	13.29	13.27	13.28
18	13.42	13.27	13.30	15.06	13.26	13.66	13.31	13.29	13.30	13.28	13.27	13.28
19	13.31	13.27	13.28	13.82	13.33	13.42	13.36	13.29	13.32	14.06	13.27	13.29
20	13.27	13.26	13.27	13.34	13.30	13.32	13.30	13.28	13.29	14.15	13.32	13.59
21	13.27	13.26	13.26	13.30	13.29	13.30	13.29	13.28	13.28	13.33	13.29	13.31
22	13.27	13.24	13.25	13.45	13.29	13.33	13.29	13.27	13.28	13.30	13.27	13.29
23	13.27	13.24	13.25	13.30	13.28	13.29	13.64	13.28	13.33	13.28	13.27	13.28
24	13.25	13.24	13.25	13.29	13.28	13.28	13.61	13.29	13.34	13.28	13.27	13.28
25	13.25	13.24	13.25	13.28	13.28	13.28	13.29	13.28	13.29	13.28	13.27	13.27
26	13.25	13.24	13.25	13.45	13.28	13.33	13.28	13.27	13.28	13.77	13.27	13.42
27	14.64	13.24	13.56	14.40	13.35	13.73	13.29	13.27	13.28	13.65	13.29	13.36
28	13.62	13.29	13.34	13.44	13.35	13.38	13.28	13.27	13.28	13.30	13.28	13.29
29	13.34	13.28	13.30	13.35	13.32	13.33	13.28	13.27	13.27	13.28	13.27	13.28
30	13.29	13.27	13.28	13.32	13.31	13.32	13.28	13.27	13.27	13.28	13.27	13.28
31	---	---	---	13.83	13.31	13.48	13.29	13.27	13.28	---	---	---
MONTH	14.80	13.24	13.35	15.06	13.24	13.33	13.81	13.27	13.31	14.15	13.26	13.30



011055841 BURGIN BROOK AT DIVERSION TUNNEL AT QUINCY, MA--Continued

WATER LEVEL, IN FEET ABOVE NGVD OF 1929, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
2	.00	.17	.00	.00	.00	.01	.00	.12	.47	.00	.01	.15
3	.00	.97	.00	.02	.00	.00	.00	.00	.00	.00	.03	.00
4	.97	.00	.02	1.01	.00	.00	.26	.00	.00	.00	.01	.07
5	.06	.00	.00	.41	.00	.00	.00	.01	.00	.00	.00	.00
6	.00	.00	.18	.00	.00	.00	.01	.01	3.78	.00	.00	.00
7	.00	.00	1.12	.00	.00	.00	.00	.00	.65	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.03	.04	.00	.00	.00	.00
9	.07	.00	.00	.00	.00	.02	.77	.01	.00	.33	.00	.00
10	.22	.24	.02	.91	.00	.00	.00	.78	.00	.00	.32	.00
11	.00	.08	.00	.00	.03	.99	.09	.05	.44	.00	.00	.00
12	.00	.10	.00	.00	.00	.91	.01	.00	.37	.00	.00	.00
13	.19	.02	.05	.01	.00	.00	.00	.02	.02	.00	.10	.13
14	.60	.11	.07	.00	1.26	.00	.00	.16	.03	.00	.55	.00
15	.00	.00	.42	.00	.00	---	.00	.00	.00	.00	.00	.89
16	.00	.00	.00	.05	.01	---	.19	.00	.00	1.18	.17	.00
17	.04	.00	.00	.00	.00	---	.00	.00	.03	.00	.00	.00
18	1.30	.00	.00	.00	.33	---	.54	.21	.18	1.93	.02	.00
19	.00	.00	.00	.00	.45	---	.38	.36	.01	.00	.12	.65
20	.85	.16	.11	.00	.02	---	.01	.01	.00	.00	.00	.44
21	.00	.01	.08	.00	.00	---	.87	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	---	2.33	.04	.01	.17	.00	.00
23	.34	.00	.00	.00	.00	---	.43	.38	.00	.00	.42	.00
24	.00	.00	.00	.00	.00	---	.00	.68	.00	.00	.00	.00
25	.00	.12	.00	.74	.54	---	.00	.12	.00	.00	.00	.00
26	.00	.02	.00	.16	.17	---	.49	.00	.00	.32	.00	.84
27	.00	.28	.00	.00	.00	---	.02	.00	1.76	1.52	.00	.00
28	.00	.00	.00	.00	.36	---	.00	.00	.00	.01	.00	.00
29	.00	.01	.00	.00	.00	.18	.00	.00	.08	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.05	.00	.00
31	.00	---	.00	.26	---	.00	---	.00	---	.56	.00	---
TOTAL	4.64	2.29	2.07	3.57	3.17	---	6.43	3.00	7.83	6.07	1.77	3.17

Measuring flow at Stony Brook culvert, Waltham, MA (photographer unknown).

01105585 TOWN BROOK AT QUINCY, MA

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

DRAINAGE AREA.--4.22 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records fair except those for discharges greater than 50 ft^3/s, which are poor. Telephone gage-height telemeter at station.

AVERAGE DISCHARGE.--16 years (water years 1972-86, 1999-2000) 8.37 ft^3/s.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 348 ft^3/s July. 18, gage height, 6.68 ft; minimum daily, 0.33 ft^3/s, Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

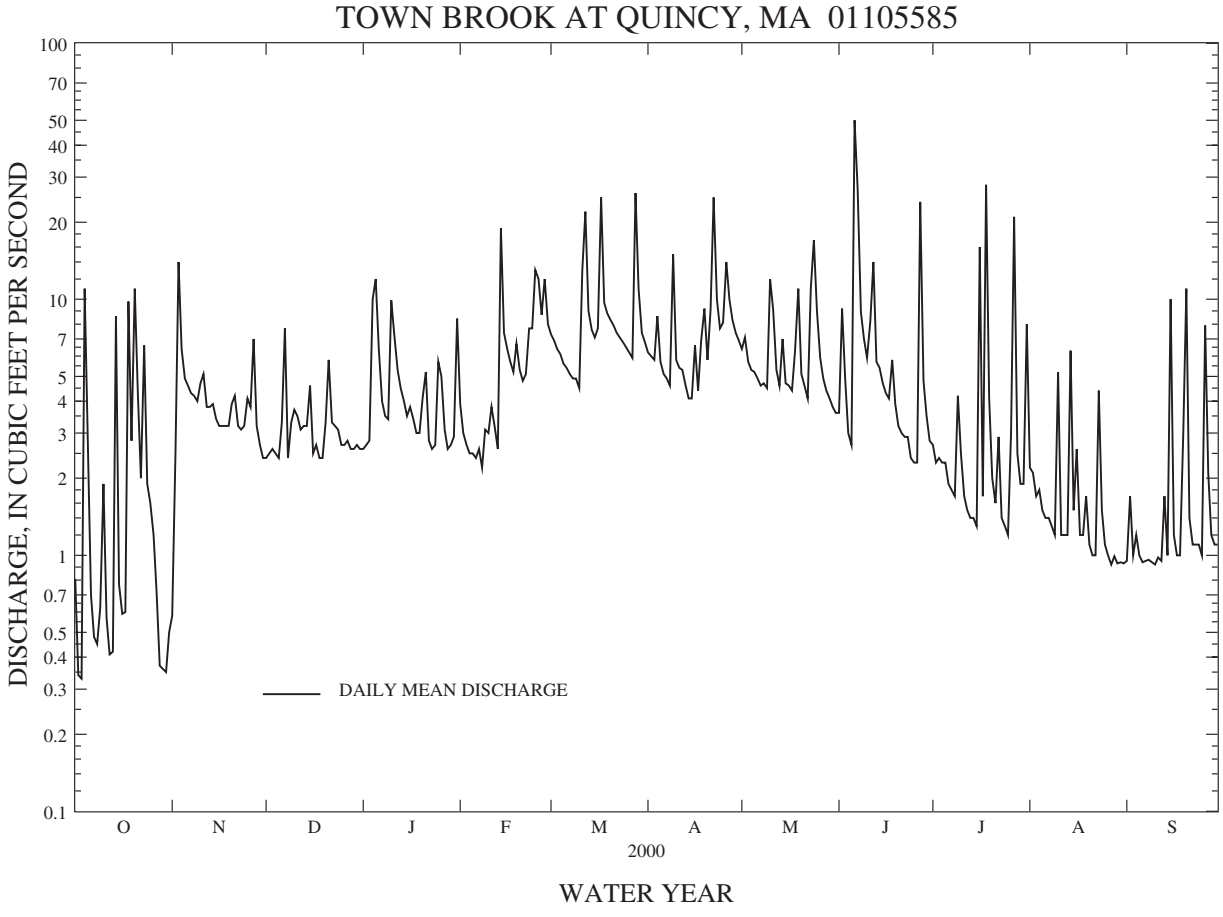
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.81	0.58	2.4	2.6	3.9	7.3	6.2	6.4	3.6	2.7	2.2	0.95
2	.34	2.5	2.5	2.7	3.0	6.9	6.0	7.1	9.2	2.3	2.1	1.7
3	.33	14	2.6	2.8	2.7	6.4	5.8	5.7	4.9	2.4	1.7	1.0
4	11	6.4	2.5	10	2.5	6.1	8.6	5.3	3.0	2.3	1.8	1.2
5	2.9	4.9	2.4	12	2.5	5.6	5.7	5.2	2.7	2.3	1.5	1.0
6	.70	4.6	3.3	6.4	2.4	5.4	5.1	4.9	50	1.9	1.4	.94
7	.48	4.3	7.7	4.0	2.6	5.1	4.9	4.6	27	1.8	1.4	.95
8	.45	4.2	2.4	3.5	2.2	4.9	4.6	4.7	8.9	1.7	1.3	.96
9	.62	4.0	3.3	3.4	3.1	4.9	15	4.5	7.0	4.2	1.2	.94
10	1.9	4.7	3.7	9.9	3.0	4.5	5.8	12	5.9	2.5	5.2	.92
11	.57	5.1	3.5	7.1	3.8	13	5.4	9.1	8.2	1.7	1.2	.98
12	.41	3.8	3.1	5.3	3.2	22	5.3	5.3	14	1.5	1.2	.95
13	.42	3.8	3.2	4.5	2.6	9.0	4.6	4.6	5.7	1.4	1.2	1.7
14	8.6	3.9	3.2	4.0	19	7.6	4.1	7.0	5.4	1.4	6.3	1.0
15	.77	3.4	4.6	3.5	7.4	7.1	4.1	4.7	4.7	1.3	1.5	10
16	.59	3.2	2.5	3.8	6.4	7.7	6.6	4.6	4.3	16	2.6	1.2
17	.60	3.2	2.7	3.4	5.7	25	4.4	4.4	4.1	1.7	1.2	1.0
18	9.8	3.2	2.4	3.0	5.2	9.7	6.9	6.3	5.8	28	1.2	1.0
19	2.8	3.2	2.4	3.0	6.7	8.8	9.2	11	3.9	4.1	1.7	3.0
20	11	3.9	3.3	4.1	5.3	8.3	5.8	5.1	3.2	2.0	1.1	11
21	4.3	4.2	5.8	5.2	4.8	7.9	9.1	4.6	3.0	1.6	1.0	1.4
22	2.0	3.2	3.3	2.8	5.1	7.4	25	4.1	2.9	2.9	1.0	1.1
23	6.6	3.1	3.2	2.6	7.7	7.1	10	11	2.9	1.4	4.4	1.1
24	1.9	3.2	3.1	2.7	7.7	6.8	7.7	17	2.4	1.3	1.5	1.1
25	1.6	4.1	2.7	5.7	13	6.5	8.1	9.0	2.3	1.2	1.1	1.0
26	1.2	3.8	2.7	5.0	12	6.2	14	5.9	2.3	3.0	1.0	7.9
27	.71	7.0	2.8	3.1	8.7	5.9	10	4.9	24	21	.92	2.1
28	.37	3.2	2.6	2.6	12	26	8.3	4.4	4.8	2.5	.99	1.2
29	.36	2.7	2.6	2.7	8.0	11	7.4	4.1	3.5	1.9	.93	1.1
30	.35	2.4	2.7	2.9	---	7.4	6.9	3.8	2.8	1.9	.94	1.1
31	.50	---	2.6	8.4	---	6.8	---	3.6	---	8.0	.93	---
TOTAL	74.98	123.78	97.8	142.7	172.2	274.3	230.6	194.9	232.4	129.9	53.71	61.49
MEAN	2.42	4.13	3.15	4.60	5.94	8.85	7.69	6.29	7.75	4.19	1.73	2.05
MAX	11	14	7.7	12	19	26	25	17	50	28	6.3	11
MIN	.33	.58	2.4	2.6	2.2	4.5	4.1	3.6	2.3	1.2	.92	.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2000, BY WATER YEAR (WY)

MEAN	5.98	7.73	8.98	11.6	12.0	13.4	10.7	7.78	7.95	4.43	5.68	4.41
MAX	15.1	18.5	20.3	36.0	29.3	33.8	26.5	18.9	32.2	9.33	12.3	7.97
(WY)	1978	1973	1973	1979	1984	1983	1983	1984	1982	1973	1976	1975
MIN	2.42	2.22	2.13	2.52	2.38	6.10	4.86	4.30	1.82	2.03	1.73	1.16
(WY)	2000	1977	1999	1981	1980	1973	1985	1980	1999	1974	2000	1980

01105585 TOWN BROOK AT QUINCY, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1972 - 2000	
ANNUAL TOTAL	1896.36		1788.76			
ANNUAL MEAN	5.20		4.89		8.37	
HIGHEST ANNUAL MEAN					15.6	1984
LOWEST ANNUAL MEAN					4.86	1981
HIGHEST DAILY MEAN	56	Sep 10	50	Jun 6	210	Jan 26 1978
LOWEST DAILY MEAN	.33	Oct 3	.33	Oct 3	.33	Oct 3 1999
ANNUAL SEVEN-DAY MINIMUM	.58	Oct 26	.58	Oct 26	.58	Oct 26 1999
INSTANTANEOUS PEAK FLOW			348	Jul 18	381	May 13 1975
INSTANTANEOUS PEAK STAGE			6.68	Jul 18	7.40	May 13 1975
INSTANTANEOUS LOW FLOW			.14	Oct 3		
10 PERCENT EXCEEDS	11		9.2		18	
50 PERCENT EXCEEDS	3.3		3.5		4.6	
90 PERCENT EXCEEDS	.97		1.0		1.4	



01105585 TOWN BROOK AT QUINCY, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May to August 1999, November 1999 to June 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	GAGE HEIGHT (FEET) (00065)	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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV										
24...	1015	1.90	3.5	758	10.1	6.6	1,030	18.3	15.5	0.28
DEC										
15...	1400	1.87	2.9	765	11.2	6.7	273	11.0	7.5	.57
APR										
05...	0840	2.00	5.7	757	11.7	6.9	831	15.0	6.0	.36
MAY										
11...	0930	2.07	7.4	770	9.9	7.2	506	12.8	11.1	.56
23...	0800	2.19	9.6	773	9.5	6.6	366	13.3	11.9	.46
JUN										
19...	1120	1.94	4.1	780	9.2	7.4	719	23.2	17.0	.40

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	DRAIN-AGE AREA (SQ. MI.) (81024)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV										
24...	0.21	0.109	2.13	<0.010	<0.006	<0.010	E0.004	4.22	1,200	1,500
DEC										
15...	.50	.217	.402	.022	.010	<.010	.038	4.22	2,400	1,600
APR										
05...	.61	.221	.827	<.010	.012	<.010	.016	4.22	750	720
MAY										
11...	.69	.333	.761	.013	.009	<.010	.022	4.22	3,300	3,300
23...	.59	.181	.351	.013	.016	.010	.052	4.22	430	3,300
JUN										
19...	.35	.183	.801	.021	E.005	<.010	.012	4.22	29,000	23,000

Town Brook at Quincy, Massachusetts, gaging station.
(photo by J.L. Zanca)

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 mi^2.

WATER-DISCHARGE RECORDS

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.--34 years, 9.17 ft^3/s, 27.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 590 ft^3/s, May 31, 1984, gage height, 5.02 ft; maximum gage height, 5.35 ft, Feb. 15, 1971 (ice jam); minimum discharge, 0.05 ft^3/s, Sept. 10-13, 15, 16, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge; 133 ft^3/s, Apr. 22, (from rating curve extended above 140 ft^3/s), gage height, 4.37 ft; minimum, 0.72 ft^3/s, Sept. 1, 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	4.5	3.6	3.7	e5.3	14	8.9	13	5.4	3.2	8.0	1.2
2	2.8	4.4	3.3	3.8	e4.5	12	7.9	13	7.0	2.8	5.1	1.2
3	2.2	15	3.3	4.8	e4.2	10	7.2	12	9.8	2.5	3.9	1.5
4	7.3	11	3.6	7.3	e4.1	8.8	8.4	11	6.1	2.4	3.4	1.6
5	8.9	6.4	3.9	30	e3.8	8.0	9.2	10	5.2	2.3	2.8	1.4
6	4.9	5.1	3.8	17	e3.5	7.3	7.4	9.6	25	1.9	2.3	1.3
7	3.2	4.5	23	9.2	e3.3	6.6	6.5	9.1	80	1.9	2.2	1.2
8	2.6	4.2	18	7.6	e3.3	6.4	6.1	8.8	33	1.7	2.0	1.2
9	2.4	4.0	9.0	6.5	e4.0	6.2	16	8.6	15	1.9	1.7	1.1
10	2.9	3.9	6.7	11	3.8	6.0	12	11	11	2.5	11	1.1
11	3.3	4.8	5.9	20	5.1	9.8	7.9	15	9.5	1.6	4.5	1.1
12	2.5	4.1	4.9	12	5.6	37	7.9	9.7	42	1.1	2.7	1.1
13	2.2	4.5	4.4	e12	e3.5	29	6.6	7.4	25	.97	2.4	1.2
14	26	4.5	4.9	e9.2	41	14	6.0	9.9	14	.92	8.2	1.2
15	13	4.7	8.7	e8.0	38	11	5.6	7.3	11	.84	5.9	6.8
16	5.9	4.2	10	e7.2	16	9.2	9.2	6.4	10	17	5.5	3.4
17	4.3	3.7	8.4	e6.8	12	32	8.1	5.9	8.6	4.7	4.4	2.1
18	19	3.4	7.2	e5.8	9.3	25	8.1	6.3	8.0	10	3.1	1.6
19	16	3.3	6.7	e5.4	8.8	15	19	11	7.4	8.3	3.3	1.4
20	16	3.3	6.5	e5.2	8.0	13	16	11	6.8	3.3	2.7	13
21	23	3.9	8.4	e5.2	7.2	12	13	7.8	4.9	2.2	2.3	5.4
22	13	3.5	7.1	e5.2	6.8	11	97	7.0	4.3	3.1	2.0	3.0
23	12	3.3	6.2	e6.0	8.8	9.5	67	11	5.0	2.0	2.6	2.4
24	9.8	3.2	5.5	e7.1	15	8.4	33	17	3.7	1.6	3.6	2.1
25	7.5	3.7	e5.2	e8.0	23	7.5	21	16	3.2	1.5	2.3	1.8
26	6.2	4.4	4.6	15	31	7.2	24	9.8	3.0	1.9	2.0	4.1
27	5.6	5.9	4.4	e11	21	6.4	35	7.6	6.8	22	1.8	4.7
28	5.1	5.6	e4.2	e9.8	22	29	23	6.7	8.5	16	1.6	3.0
29	4.7	4.3	3.8	e7.8	20	29	17	6.2	5.5	6.0	1.5	2.5
30	4.5	3.9	3.8	e6.9	---	14	14	6.0	4.0	3.8	1.0	2.1
31	4.5	---	3.9	e6.3	---	11	---	5.7	---	11	.85	---
TOTAL	246.5	145.2	202.9	280.8	341.9	425.3	528.0	296.8	388.7	142.93	106.65	76.8
MEAN	7.95	4.84	6.55	9.06	11.8	13.7	17.6	9.57	13.0	4.61	3.44	2.56
MAX	26	15	23	30	41	37	97	17	80	22	11	13
MIN	2.2	3.2	3.3	3.7	3.3	6.0	5.6	5.7	3.0	.84	.85	1.1
CFSM	1.77	1.08	1.45	2.01	2.62	3.05	3.91	2.13	2.88	1.02	.76	.57
IN.	2.04	1.20	1.68	2.32	2.83	3.52	4.36	2.45	3.21	1.18	.88	.63

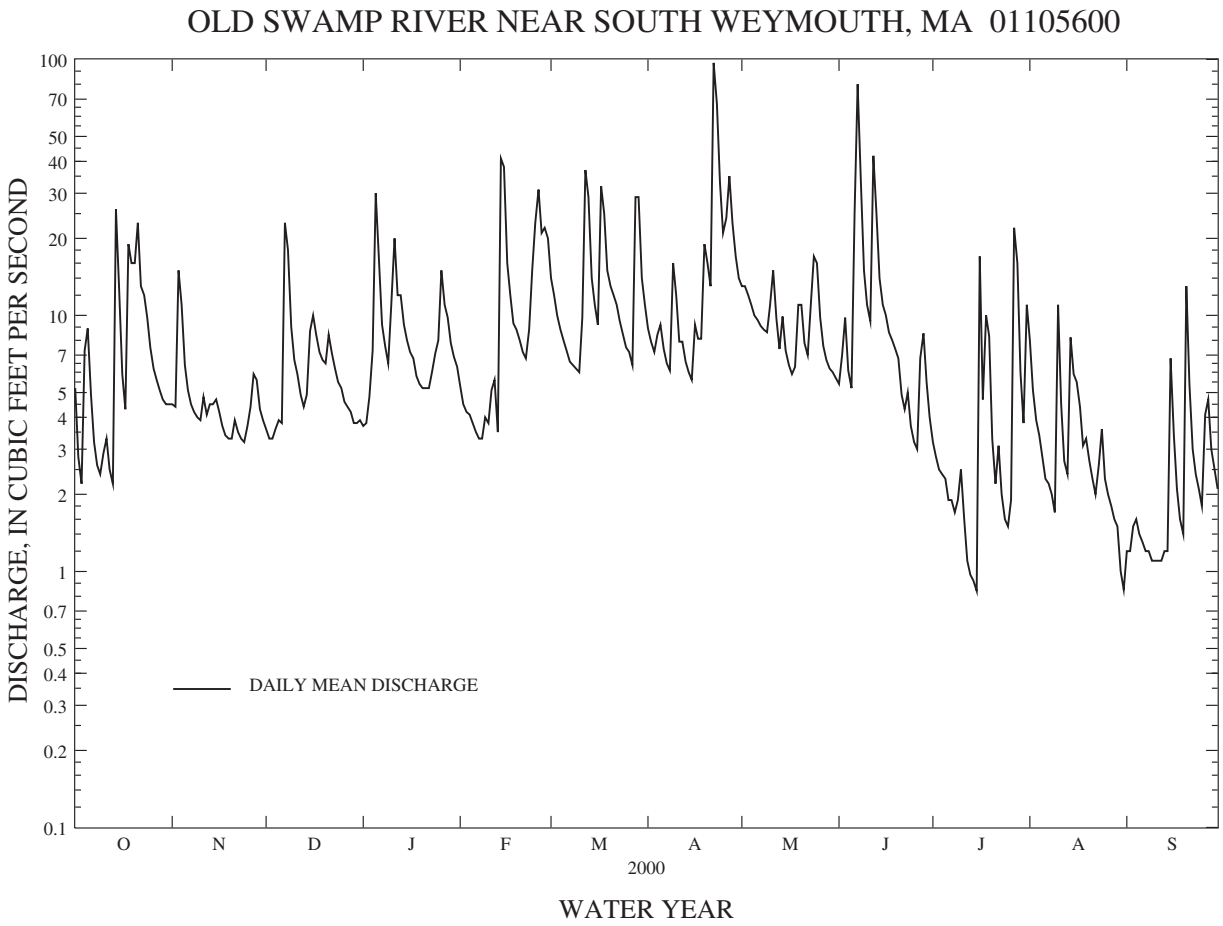
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	5.21	9.74	12.6	12.4	13.2	17.2	13.8	9.57	7.15	2.83	3.04	3.35
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

01105600 OLD SWAMP RIVER NEAR SOUTH WEYMOUTH, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	2856.78		3182.48			
ANNUAL MEAN	7.83		8.70		9.17	
HIGHEST ANNUAL MEAN					14.4	1984
LOWEST ANNUAL MEAN					3.91	1985
HIGHEST DAILY MEAN	139	Feb 3	97	Apr 22	361	Mar 18 1968
LOWEST DAILY MEAN	.28	Sep 4	.84	Jul 15	.05	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	.31	Aug 30	1.1	Sep 7	.06	Sep 6 1995
INSTANTANEOUS PEAK FLOW			133	Apr 22	590	May 31 1984
INSTANTANEOUS PEAK STAGE			4.37	Apr 22	5.35	Feb 15 1971
INSTANTANEOUS LOW FLOW			.72	Sep 1	.05	Sep 10 1995
ANNUAL RUNOFF (CFSM)	1.74		1.93		2.04	
ANNUAL RUNOFF (INCHES)	23.62		26.31		27.68	
10 PERCENT EXCEEDS	17		17		19	
50 PERCENT EXCEEDS	4.5		6.1		5.4	
90 PERCENT EXCEEDS	.59		2.0		.83	

e Estimated



01105600 OLD SWAMP RIVER NEAR SOUTH WEYMOUTH, MA--Continued

PERIOD OF RECORD.--Water years 1967-68, 1999-2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV										
23...	1030	4.2	766	9.7	6.6	280	19.0	10.5	0.51	0.41
DEC										
15...	1200	12	763	10.9	6.5	222	11.5	6.5	.43	.50
JAN										
12...	1100	11	752	11.7	7.2	195	8.5	4.0	.35	.54
APR										
04...	1045	6.9	752	11.2	6.6	330	17.0	11.0	.32	.33
MAY										
10...	0900	6.5	775	9.8	7.1	334	13.5	12.0	.39	.46
JUN										
20...	0725	4.7	778	8.9	6.4	330	18.4	14.7	.43	.47

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	DRAIN-AGE AREA (SQ. MI.) (81024)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV									
23...	<0.020	0.525	<0.010	0.011	0.010	E0.004	4.50	15	10
DEC									
15...	.071	.328	<.010	.018	<.010	.051	4.50	130	120
JAN									
12...	.020	.500	<.010	.021	.021	.028	4.50	33	21
APR									
04...	.023	.654	<.010	.009	<.010	.016	4.50	66	56
MAY									
10...	<.020	.550	<.010	.014	<.010	.022	4.50	140	120
JUN									
20...	<.020	.758	<.010	.023	<.010	.035	4.50	500	340

01105612 WEYMOUTH BACK RIVER AT EAST WEYMOUTH, MA

LOCATION.--Lat 42°12'56", long 70°55'25", Norfolk County, Hydrologic Unit 01090001, 0.2 mi upstream from mouth, 0.2 mi downstream from Broad Street, 0.2 mi north of East Weymouth.

DRAINAGE AREA.--Not determined.

PERIOD of RECORD. -- Water Years 1999-2000.

REMARKS. -- Discharge obtained by discharge measurements on the day of sampling. Instantaneous records are based on composite samples and are representative of the cross section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	GAGE HEIGHT (FEET) (00065)	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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV										
23...	1420	1.98	7.4	760	10.3	6.6	2,340	23.5	11.0	0.45
DEC										
16...	1030	2.13	11	756	11.8	6.6	230	14.5	6.0	.44
APR										
06...	1030	2.55	19	763	11.0	6.9	350	10.0	10.0	.30
MAY										
09...	1100	2.22	13	768	6.7	6.6	280	30.0	18.6	.54
23...	0900	2.27	14	773	9.6	7.6	276	15.6	14.6	.48
JUN										
20...	1045	2.16	12	780	8.5	7.6	249	26.0	21.0	.47

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV									
23...	0.48	<0.020	0.297	<0.010	0.012	<0.010	E0.005	110	97
DEC									
16...	.41	.020	.257	<.010	.017	<.010	.023	70	40
APR									
06...	.31	<.020	.447	<.010	E.005	<.010	.016	88	83
MAY									
09...	.61	.117	.417	<.010	.030	.013	.047	1,000	900
23...	.51	.033	.356	<.010	.016	<.010	.034	800	800
JUN									
20...	.47	.040	.374	<.010	.020	<.010	.028	4,300	5,200

01105642 WEIR RIVER AT RT3A BRIDGE NEAR HINGHAM, MA

LOCATION.--Lat 42°14'36", long 70°51'36", Norfolk County, Hydrologic Unit 01090001, upstream side bridge on Route 3A, 2.0 mi north of Hingham.

DRAINAGE AREA.--Not determined.

PERIOD of RECORD.--Water Years 1999-2000.

REMARKS.--Discharge obtained by discharge measurements on the day of sampling. Instantaneous records are based on composite samples and are representative of the cross section.

WATER-QUALITY DATA, OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	GAGE HEIGHT (FEET) (00065)	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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV										
23...	1200	5.15	8.9	766	8.1	6.2	266	21.5	10.5	0.44
DEC										
14...	1500	2.05	16	763	10.4	6.4	230	8.5	5.0	.63
JAN										
12...	1350	6.09	36	750	11.3	6.2	201	9.0	4.0	.41
APR										
04...	1130	5.90	28	754	10.1	6.6	256	20.0	12.0	.34
MAY										
10...	1110	5.79	22	775	7.8	6.9	262	13.5	15.4	.48
JUN										
20...	0955	5.71	18	778	6.9	7.1	251	25.2	18.0	.60

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV									
23...	0.36	<0.020	0.638	<0.010	0.010	<0.010	E0.004	17	25
DEC									
14...	.57	.058	.523	<.010	.016	<.010	.022	55	49
JAN									
12...	.41	.023	.584	<.010	.013	.020	.021	38	37
APR									
04...	.37	.028	.525	<.010	.010	<.010	.022	36	55
MAY									
10...	.54	<.020	.407	<.010	.015	<.010	.028	80	55
JUN									
20...	.66	.031	.574	.014	.033	.010	.053	240	130

Blackstone River at Manville, RI, 01112900, 200 feet upstream from where water-quality samples are collected. (photo by J. L. Zanca)

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 mi^2.

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 except those for discharges greater than 130 ft^3/s, which are fair. Some regulation by mills and by Wampatuck, Indian Head, Maquan, and other ponds upstream.

AVERAGE DISCHARGE.--34 years, 63.0 ft^3/s, 28.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,390 ft^3/s, Mar. 18, 1968, gage height, 7.13 ft; minimum, 0.14 ft^3/s, Sept. 26, 27, 1980; minimum daily, 0.18 ft^3/s, Sept. 27, 29, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 517 ft^3/s, Apr. 23, gage height, 4.74 ft; minimum, 5.9 ft^3/s, Sept.15; minimum daily, 6.5 ft^3/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

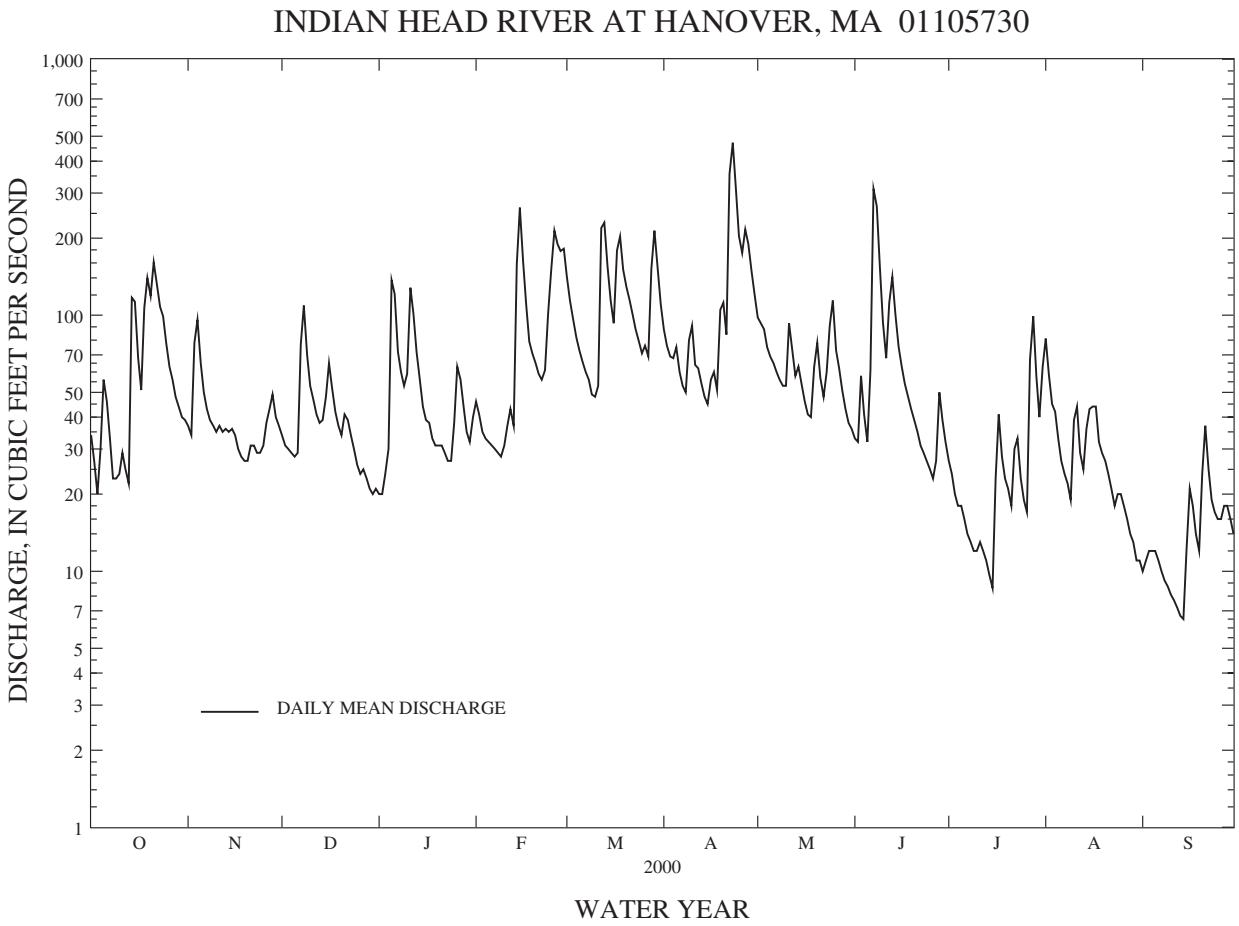
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	37	34	20	46	141	88	98	33	27	81	10
2	27	34	31	20	41	114	76	93	32	24	59	11
3	20	78	30	24	35	97	69	88	58	20	45	12
4	30	96	29	30	33	82	68	75	41	18	42	12
5	56	65	28	137	32	73	75	69	32	18	33	12
6	46	50	29	121	31	66	60	65	61	16	27	11
7	33	43	77	72	30	60	53	60	311	14	24	10
8	23	39	109	60	29	56	50	56	267	13	22	9.2
9	23	37	70	53	28	49	80	53	155	12	19	8.7
10	24	35	53	59	31	48	91	53	94	12	39	8.1
11	29	37	47	128	37	53	64	93	68	13	44	7.7
12	25	35	41	101	43	219	62	73	112	12	29	7.2
13	22	36	38	72	37	230	54	58	141	11	25	6.7
14	117	35	39	56	158	154	48	63	101	9.7	36	6.5
15	113	36	48	44	263	114	45	54	75	8.6	43	12
16	68	34	65	39	162	93	56	46	63	23	44	21
17	51	30	52	38	110	179	60	41	54	41	44	18
18	107	28	42	33	79	203	51	40	48	28	32	14
19	140	27	37	31	71	151	105	63	43	23	29	12
20	119	27	34	31	65	129	112	78	39	21	27	24
21	161	31	41	31	59	115	84	57	35	18	24	37
22	133	31	39	29	56	101	356	48	31	30	21	25
23	108	29	34	27	61	88	472	60	29	33	18	19
24	99	29	30	27	101	79	314	91	27	23	20	17
25	78	31	26	38	149	71	204	114	25	19	20	16
26	63	38	24	63	214	76	175	73	23	17	18	16
27	56	43	25	56	190	69	216	62	27	67	16	18
28	48	49	23	44	178	152	190	51	50	99	14	18
29	44	40	21	35	182	214	148	43	39	58	13	16
30	40	37	20	32	---	152	120	38	32	40	11	14
31	39	---	21	40	---	110	---	36	---	63	11	---
TOTAL	1976	1197	1237	1591	2551	3538	3646	1992	2146	831.3	930	429.1
MEAN	63.7	39.9	39.9	51.3	88.0	114	122	64.3	71.5	26.8	30.0	14.3
MAX	161	96	109	137	263	230	472	114	311	99	81	37
MIN	20	27	20	20	28	48	45	36	23	8.6	11	6.5
CFSM	2.10	1.32	1.32	1.69	2.90	3.77	4.01	2.12	2.36	.89	.99	.47
IN.	2.43	1.47	1.52	1.95	3.13	4.34	4.48	2.45	2.63	1.02	1.14	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	36.1	62.8	83.1	85.3	93.5	119	99.4	65.8	45.4	22.2	22.2	22.0
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

01105730 INDIAN HEAD RIVER AT HANOVER, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	20777.9		22064.4			
ANNUAL MEAN	56.9		60.3		63.0	
HIGHEST ANNUAL MEAN					97.3	1998
LOWEST ANNUAL MEAN					27.6	1981
HIGHEST DAILY MEAN	550	Feb 3	472	Apr 23	1260	Mar 19 1968
LOWEST DAILY MEAN	4.6	Jun 30	6.5	Sep 14	.18	Sep 27 1980
ANNUAL SEVEN-DAY MINIMUM	5.0	Aug 31	7.7	Sep 8	.38	Sep 26 1980
INSTANTANEOUS PEAK FLOW			517	Apr 23	1390	Mar 18 1968
INSTANTANEOUS PEAK STAGE			4.74	Apr 23	7.13	Mar 18 1968
INSTANTANEOUS LOW FLOW			5.9	Sep 15	.14	Sep 26 1980
ANNUAL RUNOFF (CFSM)	1.88		1.99		2.08	
ANNUAL RUNOFF (INCHES)	25.51		27.09		28.25	
10 PERCENT EXCEEDS	124		123		140	
50 PERCENT EXCEEDS	37		41		41	
90 PERCENT EXCEEDS	7.2		17		7.2	



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 mi^2, excludes 4.09 mi^2 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. 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.--34 years, 32.7 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 575 ft^3/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 ft^3/s, Aug. 11, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 220 ft^3/s, Apr. 22, gage height, 4.49 ft; minimum daily, 6.9 ft^3/s, Dec. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

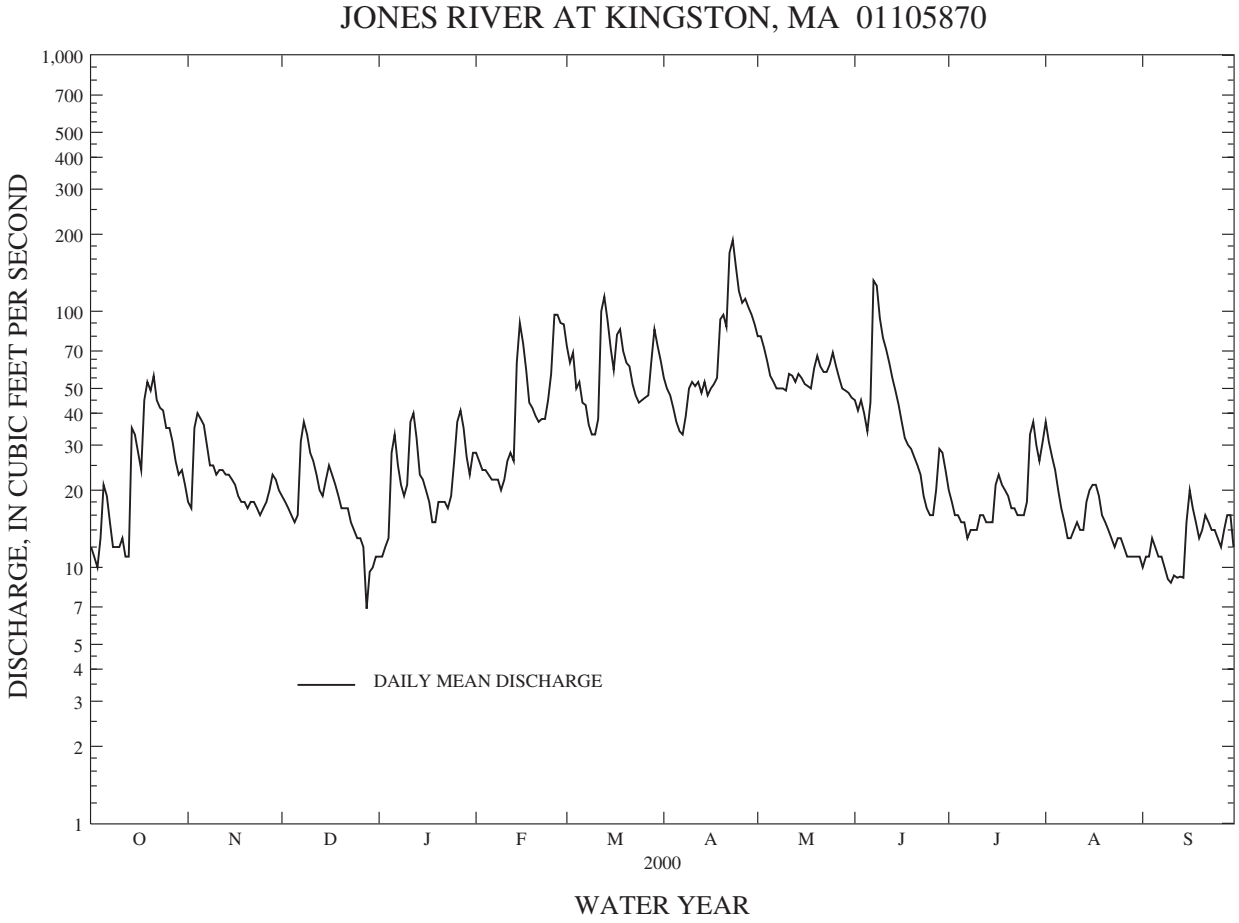
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	18	19	11	28	73	55	80	45	20	37	10
2	11	17	18	11	26	63	50	80	41	18	31	11
3	10	35	17	12	24	69	47	72	45	16	27	11
4	13	40	16	13	24	50	42	64	40	16	24	13
5	21	38	15	28	23	53	37	56	34	15	20	12
6	19	36	16	33	22	44	34	53	44	15	17	11
7	15	30	31	25	22	43	33	50	132	13	15	11
8	12	25	37	21	22	36	39	50	126	14	13	10
9	12	25	33	19	20	33	50	50	94	14	13	9.0
10	12	23	28	21	22	33	53	49	79	14	14	8.7
11	13	24	26	37	26	38	51	57	71	16	15	9.3
12	11	24	23	40	28	100	53	56	63	16	14	9.1
13	11	23	20	32	26	114	48	53	55	15	14	9.2
14	35	23	19	23	63	92	53	57	49	15	18	9.1
15	33	22	22	22	90	72	47	55	43	15	20	15
16	28	21	25	20	75	59	50	52	37	21	21	20
17	24	19	23	18	59	81	52	51	32	23	21	17
18	45	18	21	15	44	85	55	50	30	21	19	15
19	53	18	19	15	42	70	93	60	29	20	16	13
20	49	17	17	18	39	63	97	67	27	19	15	14
21	56	18	17	18	37	61	87	61	25	17	14	16
22	45	18	17	18	38	52	169	58	23	17	13	15
23	42	17	15	17	38	47	190	58	19	16	12	14
24	41	16	14	19	45	44	150	62	17	16	13	14
25	35	17	13	26	57	45	120	69	16	16	13	13
26	35	18	13	37	97	46	108	61	16	18	12	12
27	31	20	12	41	97	47	112	55	20	33	11	14
28	26	23	6.9	35	90	64	104	50	29	37	11	16
29	23	22	9.6	27	89	85	97	49	28	30	11	16
30	24	20	10	23	---	73	89	48	24	26	11	12
31	21	---	11	28	---	64	---	46	---	31	11	---
TOTAL	818	685	583.5	723	1313	1899	2265	1779	1333	593	516	379.4
MEAN	26.4	22.8	18.8	23.3	45.3	61.3	75.5	57.4	44.4	19.1	16.6	12.6
MAX	56	40	37	41	97	114	190	80	132	37	37	20
MIN	10	16	6.9	11	20	33	33	46	16	13	11	8.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	19.4	29.7	34.0	37.2	45.4	59.1	51.6	39.2	26.6	17.6	16.3	17.1
MAX	83.6	66.0	88.1	78.2	97.5	135	114	71.2	69.4	41.6	42.9	55.8
(WY)	1997	1973	1997	1979	1998	1983	1984	1998	1984	1998	1979	1996
MIN	7.94	5.71	10.8	9.00	20.1	25.8	17.3	14.9	9.56	6.34	4.79	5.02
(WY)	1967	1975	1981	1981	1980	1985	1985	1981	1981	1981	1981	1995

01105870 JONES RIVER AT KINGSTON, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	11322.0		12886.9			
ANNUAL MEAN	31.0		35.2		32.7	
HIGHEST ANNUAL MEAN					54.6	1984
LOWEST ANNUAL MEAN					14.9	1981
HIGHEST DAILY MEAN	125	Feb 4	190	Apr 23	527	Mar 19 1968
LOWEST DAILY MEAN	6.9	Dec 28	6.9	Dec 28	.59	Aug 11 1966
ANNUAL SEVEN-DAY MINIMUM	8.1	Aug 2	9.2	Sep 8	1.1	Aug 6 1966
INSTANTANEOUS PEAK FLOW			220	Apr 22	575	Mar 19 1968
INSTANTANEOUS PEAK STAGE			4.49	Apr 22	5.88	Feb 7 1978
INSTANTANEOUS LOW FLOW			6.2	Dec 28		
10 PERCENT EXCEEDS	66		69		64	
50 PERCENT EXCEEDS	24		24		24	
90 PERCENT EXCEEDS	9.9		12		9.1	



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 mi^2, 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 except those for estimated daily discharges, which are fair. Flow at times includes overflow and leakage from Johns Pond. Occasional regulation by cranberry bog upstream. Occasional backwater from tidal surge.

AVERAGE DISCHARGE.--12 years, 15.7 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42 ft^3/s, July 1, 1998, gage height, 3.09 ft; maximum gage height, 4.55 ft, Aug. 19, 1991 (tidal surge); minimum discharge, 5.7 ft^3/s, Oct. 24, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27 ft^3/s, Apr. 22, gage height, 2.57 ft; minimum, 8.0 ft^3/s, Dec. 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	12	8.0	12	12	13	16	18	16	21	13
2	10	e11	12	8.0	12	12	13	17	18	15	19	14
3	10	e13	12	8.1	11	12	13	17	18	15	20	14
4	14	12	12	8.1	12	12	14	17	17	15	18	14
5	16	11	12	8.6	12	12	14	17	17	15	17	14
6	13	11	13	8.6	12	12	13	16	18	14	15	14
7	11	11	18	13	11	16	13	17	22	13	16	13
8	11	11	14	12	11	e13	13	17	18	11	16	13
9	11	11	13	11	11	15	14	17	17	11	15	13
10	11	11	13	12	11	15	14	20	17	11	16	13
11	12	12	13	14	11	13	13	22	17	12	16	13
12	11	11	13	12	11	15	14	18	18	12	15	13
13	11	12	13	13	11	14	15	18	17	11	15	13
14	15	12	14	10	15	13	16	19	17	10	18	13
15	12	12	15	12	17	13	16	18	17	10	18	14
16	11	11	14	11	14	13	17	18	17	10	17	14
17	11	11	14	11	15	21	15	17	17	10	16	13
18	16	11	14	11	13	15	15	18	17	10	15	13
19	14	11	14	11	13	14	23	18	17	10	15	13
20	14	11	12	11	13	14	16	18	16	11	15	14
21	14	11	12	11	12	14	15	18	16	15	14	13
22	e12	12	12	11	12	14	24	18	16	20	14	13
23	e12	12	13	11	12	14	20	19	16	19	14	12
24	12	11	13	11	12	13	18	21	16	19	15	12
25	12	12	12	14	12	13	17	20	16	17	14	12
26	e11	12	12	14	15	13	18	18	16	13	14	13
27	11	13	12	12	13	13	18	18	16	14	14	13
28	11	12	12	12	13	16	17	18	16	18	14	12
29	11	12	10	11	13	14	16	e18	16	17	14	12
30	11	12	8.6	11	---	14	17	e18	16	15	13	12
31	11	---	8.2	12	---	13	---	18	---	16	14	---
TOTAL	373	347	391.8	343.4	362	427	474	559	510	425	487	392
MEAN	12.0	11.6	12.6	11.1	12.5	13.8	15.8	18.0	17.0	13.7	15.7	13.1
MAX	16	13	18	14	17	21	24	22	22	20	21	14
MIN	10	11	8.2	8.0	11	12	13	16	16	10	13	12

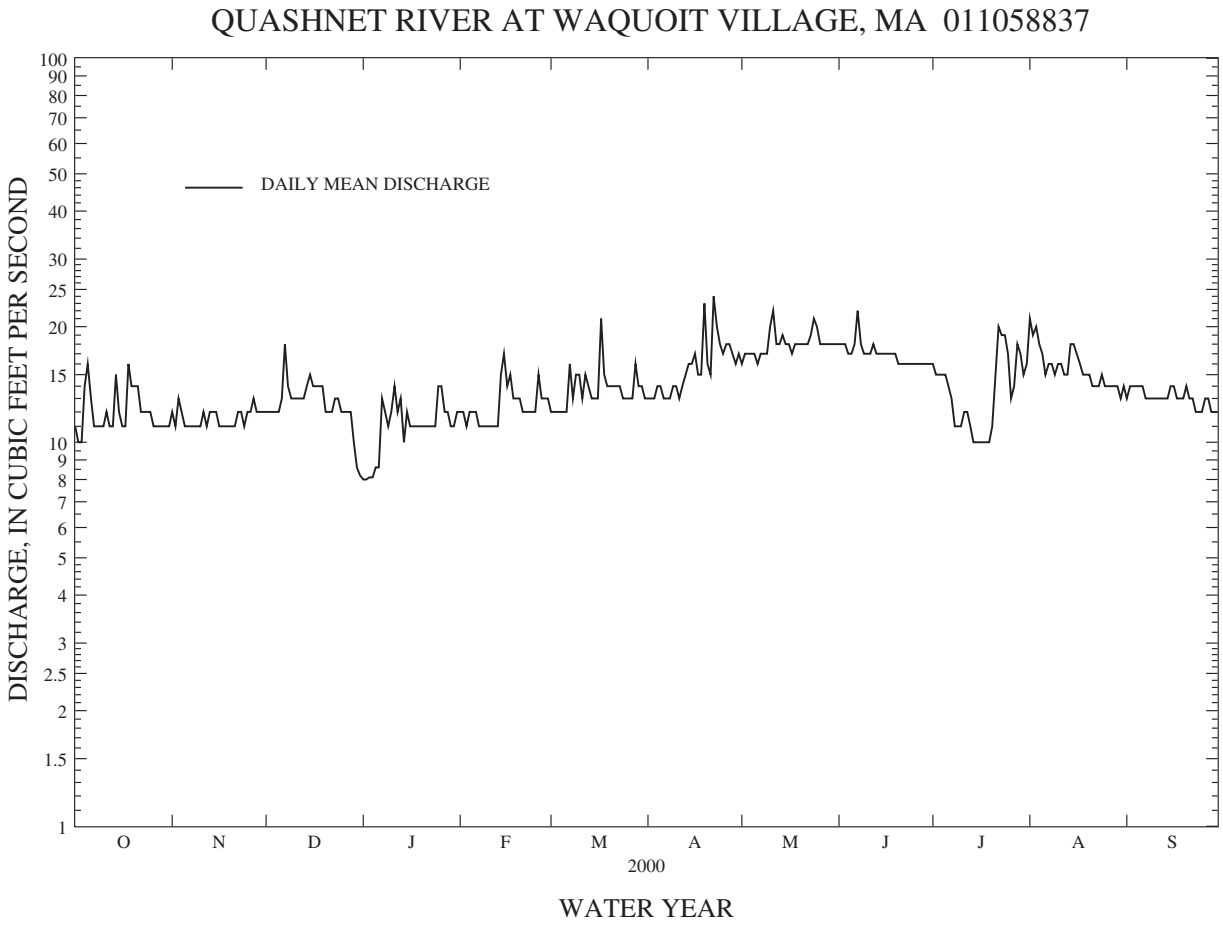
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	13.6	14.7	13.3	14.1	14.6	16.8	20.2	19.8	17.4	15.1	14.9	14.3
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	11.1	10.2	11.4	12.9	11.7	12.2	11.9	12.2	10.7
(WY)	1996	2000	1996	2000	1995	1989	1992	1995	1995	1991	1995	1995

011058837 QUASHNET RIVER AT WAQUOIT VILLAGE, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	5165.0		5091.2			
ANNUAL MEAN	14.2		13.9		15.7	
HIGHEST ANNUAL MEAN					21.8	1997
LOWEST ANNUAL MEAN					12.4	1995
HIGHEST DAILY MEAN	28	Mar 1	24	Apr 22	41	Jul 1 1998
LOWEST DAILY MEAN	8.2	Dec 31	8.0	Jan 1	5.9	Oct 24 1995
ANNUAL SEVEN-DAY MINIMUM	9.8	Jan 1	8.2	Dec 30	7.2	Oct 18 1995
INSTANTANEOUS PEAK FLOW			27	Apr 22	41	Aug 9 1992
INSTANTANEOUS PEAK STAGE			2.57	Apr 22	4.55	Aug 19 1991
INSTANTANEOUS LOW FLOW			8.0	Dec 31		
10 PERCENT EXCEEDS	19		18		23	
50 PERCENT EXCEEDS	13		13		14	
90 PERCENT EXCEEDS	11		11		11	

e Estimated



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 mi^2.

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.--5 years, 52.2 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 515 ft^3/s, Dec. 9, 1996, gage height, 13.18 ft; minimum, 0.38 ft^3/s, Aug. 8, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 392 ft^3/s, Apr. 23, gage height, 12.64 ft; minimum, 2.7 ft^3/s, July 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	28	e20	e17	48	e130	84	e100	32	10	51	4.5
2	6.7	26	e18	e18	40	e115	74	e80	28	8.6	61	5.1
3	6.0	42	e17	e19	30	e92	67	e70	32	7.6	44	9.5
4	12	64	e16	e20	27	e82	62	e64	27	6.9	34	8.5
5	24	60	e15	39	25	e70	62	58	22	8.0	24	7.4
6	19	52	e30	41	23	e60	57	51	29	11	18	5.9
7	14	40	e60	35	22	e52	50	46	81	9.2	39	4.9
8	10	31	104	29	21	e45	45	42	e95	17	45	4.5
9	8.7	27	103	25	e20	e40	48	37	e82	13	24	4.2
10	8.0	e25	86	29	20	e35	52	35	56	9.3	40	4.5
11	12	e23	69	74	22	e60	46	49	45	6.9	33	3.9
12	10	e22	58	87	23	e120	43	52	71	5.5	21	3.6
13	8.8	e21	51	79	21	e240	39	48	75	4.4	17	4.5
14	40	e20	51	64	56	e220	35	61	61	3.7	26	4.7
15	76	e20	59	52	104	e200	32	67	46	3.4	28	7.5
16	73	e19	65	42	100	188	43	58	40	18	35	9.0
17	60	e18	62	36	77	192	49	47	34	11	25	6.7
18	62	e17	54	30	60	219	48	40	31	7.5	18	5.1
19	83	e16	45	23	59	185	72	47	29	9.7	17	4.3
20	86	e15	39	20	55	153	90	58	25	7.5	15	24
21	114	e16	41	19	51	128	83	56	21	5.7	12	23
22	118	e17	e43	17	47	108	208	47	19	4.7	9.5	18
23	105	e16	e40	16	47	93	380	45	17	3.8	8.3	12
24	91	e16	e35	16	60	81	e340	58	15	3.2	13	9.1
25	76	e15	e30	27	70	71	e250	102	13	2.9	10	7.4
26	64	e17	e25	71	e90	64	e200	108	12	6.1	8.2	6.7
27	55	e20	e23	81	e115	58	e210	86	11	47	7.0	8.5
28	47	e24	e21	62	e125	72	e170	63	17	70	6.2	7.7
29	40	e25	e20	39	e140	122	e140	50	14	45	5.6	6.9
30	34	e22	e19	26	---	123	e120	43	13	20	4.9	6.0
31	30	---	e18	38	---	102	---	37	---	21	4.8	---
TOTAL	1400.7	774	1337	1191	1598	3520	3199	1805	1093	407.6	704.5	237.6
MEAN	45.2	25.8	43.1	38.4	55.1	114	107	58.2	36.4	13.1	22.7	7.92
MAX	118	64	104	87	140	240	380	108	95	70	61	24
MIN	6.0	15	15	16	20	35	32	35	11	2.9	4.8	3.6
CFSM	1.72	.98	1.65	1.47	2.10	4.33	4.07	2.22	1.39	.50	.87	.30
IN.	1.99	1.10	1.90	1.69	2.27	5.00	4.54	2.56	1.55	.58	1.00	.34

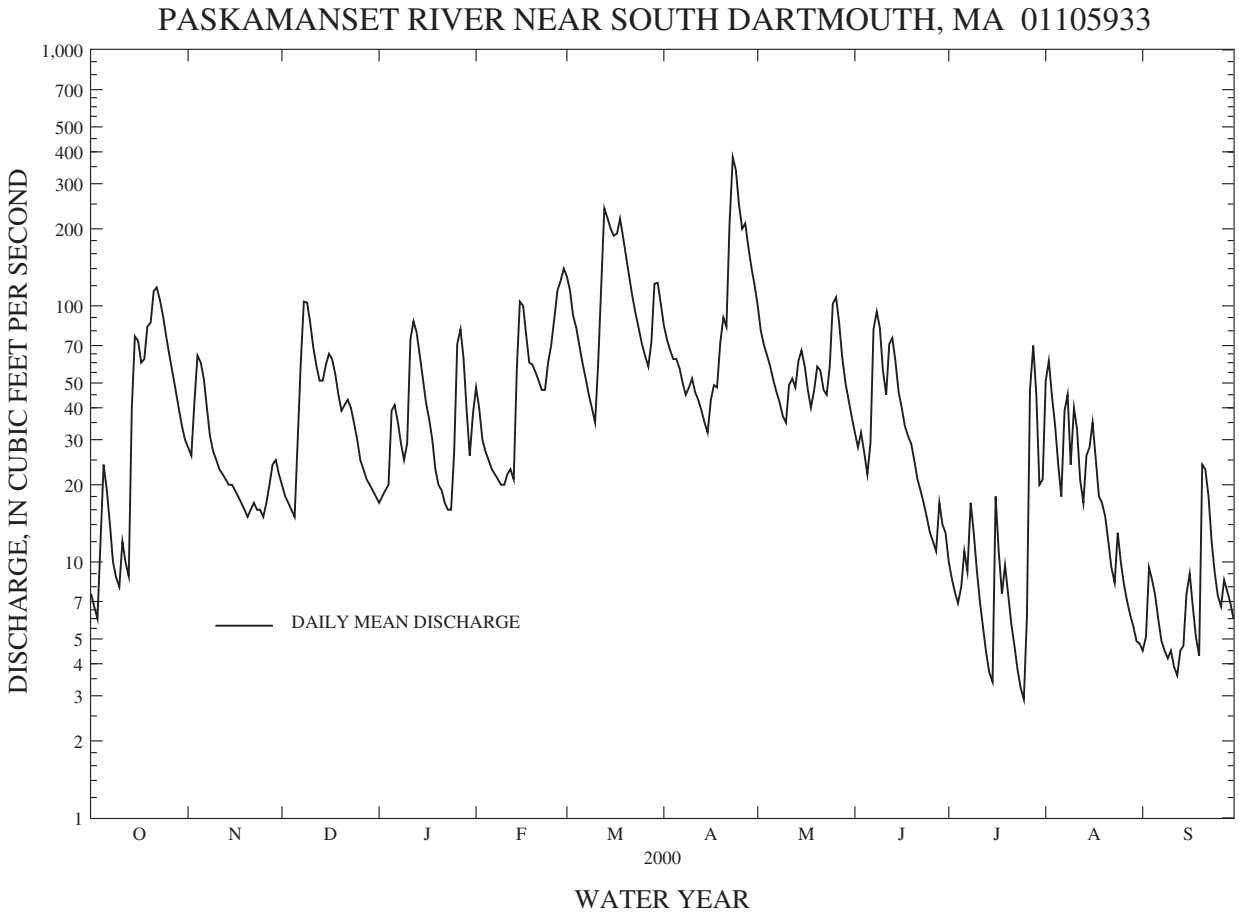
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	41.1	42.7	56.6	76.2	82.2	97.8	92.3	52.9	38.4	13.6	12.3	22.4
MAX	105	69.2	150	120	145	126	141	87.9	115	41.8	22.7	80.6
(WY)	1997	1996	1997	1998	1998	1998	1997	1998	1998	1998	2000	1996
MIN	3.97	22.8	16.1	38.4	55.1	60.2	32.0	28.2	5.67	1.72	2.65	5.87
(WY)	1998	1999	1999	2000	2000	1997	1999	1999	1999	1999	1999	1997

01105933 PASKAMANSET RIVER NEAR SOUTH DARTMOUTH, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	13577.13		17267.4			
ANNUAL MEAN	37.2		47.2		52.2	
HIGHEST ANNUAL MEAN					70.3	1998
LOWEST ANNUAL MEAN					33.7	1999
HIGHEST DAILY MEAN	253	Mar 2	380	Apr 23	501	Dec 9 1996
LOWEST DAILY MEAN	.47	Aug 7	2.9	Jul 25	.47	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	.55	Aug 1	4.3	Sep 8	.55	Aug 1 1999
INSTANTANEOUS PEAK FLOW			392	Apr 23	515	Dec 9 1996
INSTANTANEOUS PEAK STAGE			12.64	Apr 23	13.18	Dec 9 1996
INSTANTANEOUS LOW FLOW			2.7	Jul 25	.38	Aug 8 1999
ANNUAL RUNOFF (CFSM)	1.42		1.80		1.99	
ANNUAL RUNOFF (INCHES)	19.28		24.52		27.07	
10 PERCENT EXCEEDS	90		101		118	
50 PERCENT EXCEEDS	24		34		35	
90 PERCENT EXCEEDS	1.6		7.3		3.8	

e Estimated



01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA

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

DRAINAGE AREA.--258 mi^2.

WATER DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--52 years (water years 1930-75, 1986-87, 1998-2000), 475 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,980 ft^3/s, Mar. 20, 1968, gage height, 14.48 ft; minimum, 8.0 ft^3/s, Sept. 10, 1944; minimum daily, 9.0 ft^3/s, Sept. 9-12, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,420 ft^3/s, Apr. 24, gage height, 8.95 ft; minimum, 64 ft^3/s, Sept. 12-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

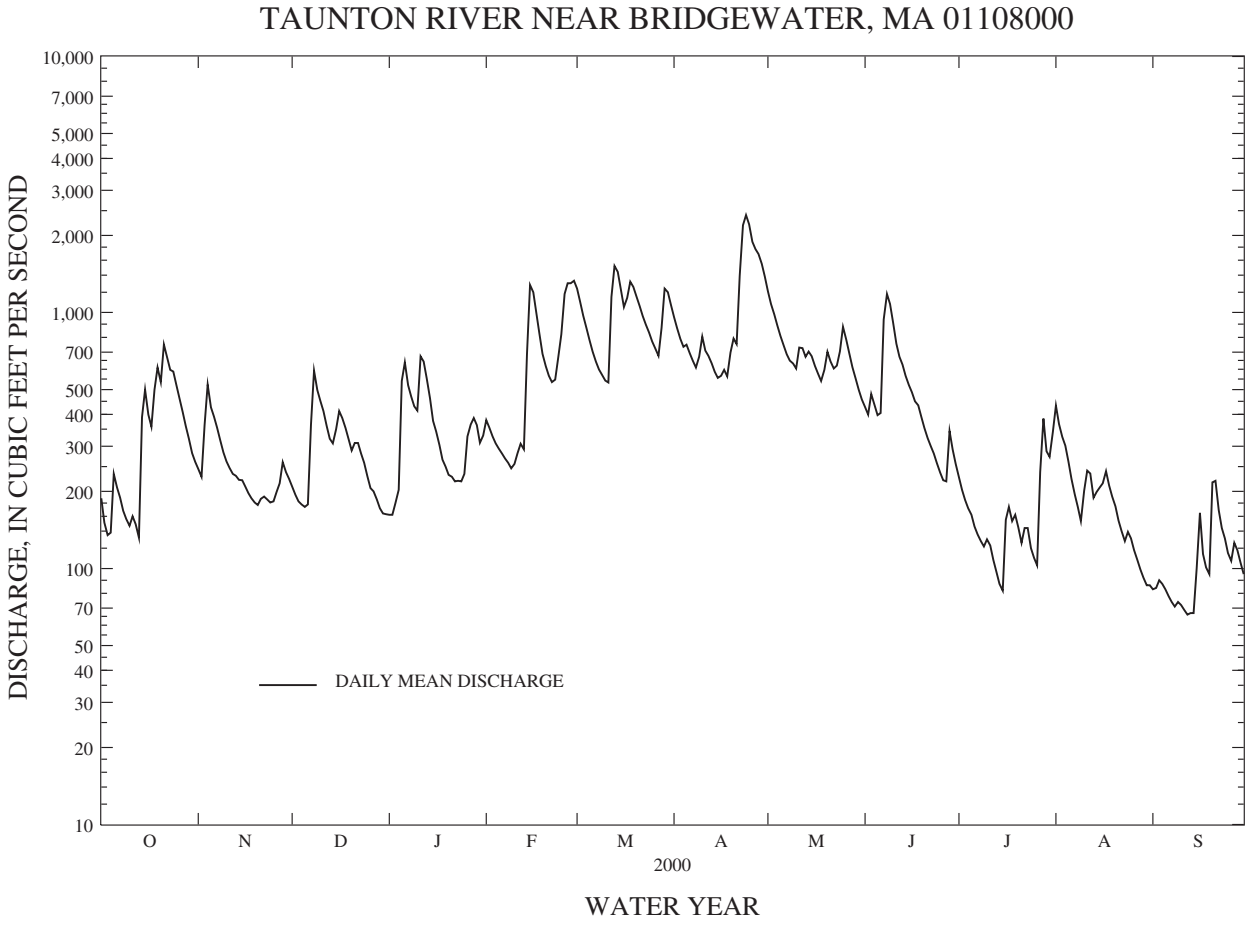
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	245	209	162	380	1240	960	1210	427	227	433	83
2	151	228	194	162	355	1100	869	1080	399	203	367	84
3	135	364	183	180	328	972	788	984	480	185	327	90
4	138	523	178	203	308	868	734	889	438	172	302	87
5	234	426	174	540	294	779	748	811	397	162	262	83
6	207	392	178	639	281	703	693	744	405	146	224	78
7	189	355	364	520	269	643	648	687	938	136	195	74
8	168	318	593	470	259	599	610	649	1180	128	174	71
9	156	284	498	430	246	571	673	632	1080	122	153	74
10	147	262	451	414	256	542	805	604	913	130	201	72
11	160	247	412	674	282	533	709	730	755	123	241	69
12	149	234	360	643	307	1150	677	726	672	108	235	66
13	132	230	321	552	292	1520	633	672	626	97	189	67
14	390	222	308	462	685	1440	587	703	566	87	199	67
15	500	221	350	377	1280	1230	555	675	521	82	207	100
16	399	209	412	343	1200	1050	566	618	488	155	215	165
17	358	197	387	304	994	1140	597	577	450	174	240	114
18	499	188	354	266	825	1320	563	540	434	153	211	101
19	610	181	320	250	689	1260	697	597	391	162	191	95
20	535	177	289	232	617	1150	791	702	354	145	175	217
21	750	187	309	228	566	1060	753	644	323	126	154	220
22	672	191	309	219	535	968	1390	604	301	144	140	169
23	597	186	281	220	547	897	2190	620	281	144	128	144
24	588	181	259	219	668	834	2400	705	258	120	139	131
25	521	183	229	234	822	771	2210	879	237	110	131	115
26	459	199	206	328	1180	725	1890	783	221	103	118	107
27	408	215	200	365	1300	677	1770	691	219	238	108	126
28	360	260	186	387	1300	870	1690	612	344	385	99	118
29	322	238	172	363	1330	1240	1550	551	292	287	92	105
30	282	224	164	310	---	1200	1380	499	256	273	86	95
31	261	---	163	331	---	1070	---	458	---	341	86	---
TOTAL	10665	7567	9013	11027	18395	30122	31126	21876	14646	5168	6022	3187
MEAN	344	252	291	356	634	972	1038	706	488	167	194	106
MAX	750	523	593	674	1330	1520	2400	1210	1180	385	433	220
MIN	132	177	163	162	246	533	555	458	219	82	86	66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)

MEAN	231	405	557	625	715	959	859	540	327	188	153	176
MAX	1214	1309	1614	1346	1404	1714	1895	1378	1106	1021	1049	840
(WY)	1997	1956	1946	1976	1998	1968	1987	1954	1998	1938	1955	1933
MIN	36.9	56.6	82.7	122	204	495	192	196	93.8	36.4	28.0	32.9
(WY)	1942	1966	1966	1966	1944	1944	1966	1965	1965	1957	1934	1957

01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1930 - 2000	
ANNUAL TOTAL	158173		168814			
ANNUAL MEAN	433		461		475	
HIGHEST ANNUAL MEAN					761	1998
LOWEST ANNUAL MEAN					171	1966
HIGHEST DAILY MEAN	2240	Feb 5	2400	Apr 24	4930	Mar 20 1968
LOWEST DAILY MEAN	35	Sep 4	66	Sep 12	9.0	Sep 9 1944
ANNUAL SEVEN-DAY MINIMUM	37	Aug 31	69	Sep 8	11	Sep 6 1944
INSTANTANEOUS PEAK FLOW			2420	Apr 24	4980	Mar 20 1968
INSTANTANEOUS PEAK STAGE			8.95	Sep 12	14.48	Mar 20 1968
INSTANTANEOUS LOW FLOW			64	Sep 12	8.0	Sep 10 1944
10 PERCENT EXCEEDS	1030		976		1060	
50 PERCENT EXCEEDS	289		328		346	
90 PERCENT EXCEEDS	63		121		68	



01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1967-74, 1997-2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
NOV												
15...	1230	223	746	81	9.3	6.7	6.9	229	228	10.9	8.5	10.8
JUN												
12...	1330	670	775	65	6.2	6.6	7.3	170	167	15.6	18.5	6.78
JUL												
17...	1425	165	777	58	5.1	6.7	6.8	307	302	31.0	22.7	14.9
AUG												
23...	1045	132	783	65	6.2	6.6	7.1	247	247	24.7	18.9	--

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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV												
15...	2.86	2.6	26.4	19	20	24	43.2	13.1	0.77	0.084	1.34	0.025
JUN												
12...	1.92	1.4	19.9	14	14	17	32.5	6.3	.67	.058	.420	.010
JUL												
17...	2.90	4.4	35.1	25	26	32	57.1	17.1	.71	.067	1.80	.019
AUG												
23...	--	--	--	--	23	28	--	--	.63	.032	1.50	.017

DATE	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, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV												
15...	0.066	0.152	15	1.0	31	110	258	9.6	7	151	1,500	1,000
JUN												
12...	.043	.134	14	1.0	37	160	258	9.6	<10	114	160	240
JUL												
17...	.057	.167	E9.0	1.0	24	60	258	9.6	12	194	870	1,000
AUG												
23...	.040	.137	11	1.0	--	--	258	9.6	--	--	86	73

01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
NOV												
15...	--	162	--	--	E2	--	--	--	<0.1	--	--	--
JUN												
12...	90	251	<1	E0.9	<3	14	<1	25	<.1	<0.8	<1	2
JUL												
17...	15	153	<1	E.7	E1	16	<1	72	<.1	<.8	<1	2
AUG												
23...	27	123	<1	E.7	<3	14	<1	49	<.1	<.8	<1	2

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)
NOV												
15...	900	E1	--	--	79	<0.3	--	--	--	<1	--	--
JUN												
12...	1590	<1	0.8	59	114	<.3	<1	2	<0.7	<1	46.6	<0.9
JUL												
17...	1150	<1	1.4	157	163	<.3	<1	2	<.7	<1	76.1	<.9
AUG												
23...	1400	<1	1.1	98	112	<.3	<1	2	<.7	<1	67.2	<.9

DATE	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	ALPHA-HCH-D6 SUR SCD 1325 BED MAT PERCENT (90504)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN I TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED MAT PERCENT (90568)
NOV											
15...	--	--	--	--	--	--	--	--	--	--	--
JUN											
12...	<1	10	--	--	--	--	--	--	--	--	--
JUL											
17...	<1	6	--	--	--	--	--	--	--	--	--
AUG											
23...	<1	5	<0.2	68.0	<3	E0.5	<0.2	<0.2	<0.2	<0.2	51

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	BIPHENYL, NONACHLORO- SUR SCD 1325 PERCENT (90575)	P,P'-DDD, RECOVER IN BOTTOM MATERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOTTOM MATERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	PHENOLS TOTAL (UG/L) (32730)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV											
15...	--	--	--	--	--	--	--	--	<4	--	--
JUN											
12...	--	--	--	--	--	--	--	--	<4	--	<1
JUL											
17...	--	--	--	--	--	--	--	--	<4	--	<1
AUG											
23...	<0.2	<2	<0.2	54.0	1.3	E0.9	0.6	<5	--	<50	<1

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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: June 1925 to current year.
Water-quality records: Water year 1967-68, 1999-2000.

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.--75 years, 73.6 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,460 ft^3/s, Mar. 19, 1968; maximum gage height, 11.47 ft, Mar. 19, 1968, June 14, 1998; minimum discharge, 0.3 ft^3/s, Sept. 10, 1926.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 474 ft^3/s, Apr. 23, gage height, 8.84 ft; minimum, 5.0 ft^3/s, July 15, 16, Sept. 10-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	35	36	33	46	167	159	159	56	27	51	6.0
2	22	34	33	32	50	150	145	144	54	23	50	5.8
3	18	64	32	35	47	134	133	133	63	20	43	6.0
4	20	92	32	41	44	121	125	120	63	18	37	6.4
5	33	92	31	102	43	110	129	110	54	17	35	6.3
6	40	78	31	126	41	99	121	101	62	15	27	5.9
7	33	65	63	105	39	92	108	96	149	13	22	5.6
8	26	58	90	92	e38	85	97	90	189	11	18	5.5
9	22	54	85	85	e34	79	106	98	152	9.6	15	5.3
10	20	51	74	87	36	76	117	96	131	8.6	17	5.3
11	23	49	69	129	42	77	110	133	114	7.8	23	5.0
12	22	46	65	135	45	160	103	134	104	6.7	19	5.0
13	21	45	59	116	43	214	96	116	96	6.1	16	5.1
14	31	44	56	96	111	180	88	112	83	5.5	18	5.0
15	31	43	68	95	225	153	81	106	75	5.1	19	7.5
16	30	42	83	67	174	139	85	93	69	7.4	18	7.1
17	28	39	79	e62	156	180	92	81	66	9.8	18	8.4
18	48	38	70	55	124	211	87	72	65	11	16	7.1
19	61	33	62	48	105	188	101	85	62	13	14	6.6
20	73	32	57	44	104	168	110	112	55	12	14	18
21	96	35	60	45	100	153	103	104	48	8.9	12	31
22	95	37	62	e45	91	140	278	91	42	7.7	11	23
23	85	36	58	42	87	129	443	99	38	24	9.8	18
24	77	34	53	38	104	119	348	122	34	19	11	16
25	69	33	46	39	134	109	287	157	29	15	11	14
26	59	34	44	42	181	101	250	137	26	14	9.5	13
27	51	39	42	43	188	95	254	113	27	23	8.2	15
28	44	43	40	e43	186	140	228	95	35	41	7.4	16
29	40	43	37	37	185	224	200	83	34	35	6.6	14
30	36	40	35	35	---	207	176	74	32	28	6.2	12
31	35	---	35	40	---	178	---	67	---	33	6.1	---
TOTAL	1311	1408	1687	2034	2803	4378	4760	3333	2107	495.2	588.8	304.9
MEAN	42.3	46.9	54.4	65.6	96.7	141	159	108	70.2	16.0	19.0	10.2
MAX	96	92	90	135	225	224	443	159	189	41	51	31
MIN	18	32	31	32	34	76	81	67	26	5.1	6.1	5.0

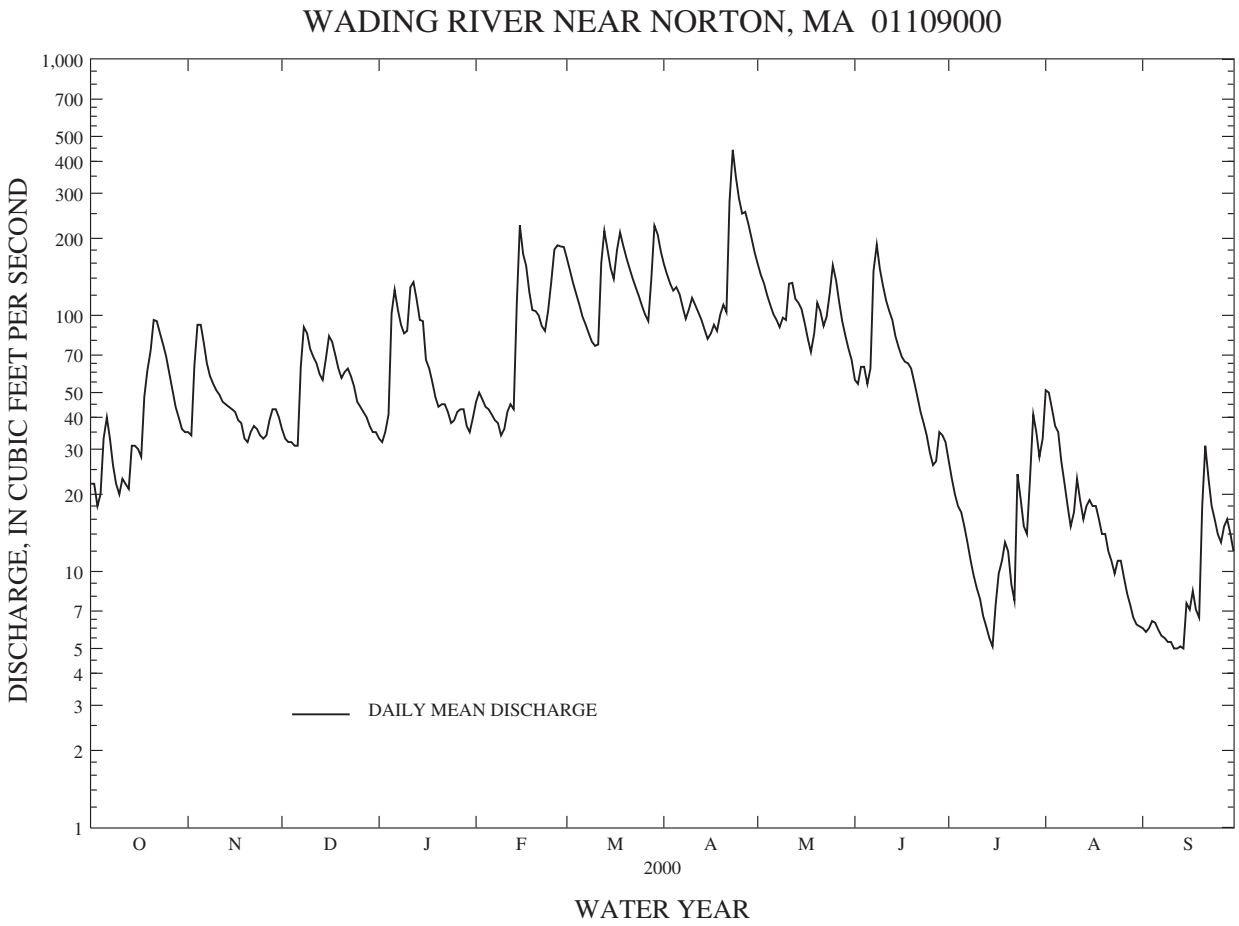
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2000, BY WATER YEAR (WY)

MEAN	30.7	60.3	90.8	101	108	155	136	83.0	53.2	24.8	21.6	20.9
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

01109000 WADING RIVER NEAR NORTON, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1925 - 2000	
ANNUAL TOTAL	23874.8		25209.9			
ANNUAL MEAN	65.4		68.9		73.6	
HIGHEST ANNUAL MEAN					123	1984
LOWEST ANNUAL MEAN					28.8	1966
HIGHEST DAILY MEAN	391	Feb 4	443	Apr 23	1280	Mar 19 1968
LOWEST DAILY MEAN	1.6	Aug 4	5.0	Sep 11	.30	Sep 10 1926
ANNUAL SEVEN-DAY MINIMUM	1.8	Jul 29	5.2	Sep 8	.62	Aug 30 1993
INSTANTANEOUS PEAK FLOW			474	Apr 23	1460	Mar 19 1968
INSTANTANEOUS PEAK STAGE			8.84	Apr 23	11.47	Mar 19 1968
INSTANTANEOUS LOW FLOW			5.0	Jul 15	.30	Sep 10 1926
10 PERCENT EXCEEDS	152		146		168	
50 PERCENT EXCEEDS	43		48		51	
90 PERCENT EXCEEDS	2.7		9.8		6.8	

e Estimated



01109000 WADING RIVER NEAR NORTON, MA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1999-2000.

REMARKS.--Selected samples were analyzed for pesticide compounds on schedule 2001 (listed with minimum reporting levels in the section "Explanation of the Records"); only pesticide compounds identified by the analyses (either as estimated values or values measured at or above the minimum reporting level) for one or more samples are listed in the water-quality data tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)
OCT										
20...	1000	65	766	8.9	--	206	11.1	10.3	9.79	2.23
NOV										
04...	0930	90	760	8.8	--	206	9.2	11.0	9.22	2.27
DEC										
01...	1115	37	763	12.4	6.9	223	.6	3.4	9.47	2.26
JAN										
06...	0940	130	775	13.4	6.5	148	-1.0	2.4	5.99	1.49
FEB										
14...	0800	74	753	13.0	6.7	236	6.3	.8	5.97	.99
23...	1010	84	771	14.7	6.9	269	9.9	.5	8.63	2.07
MAR										
09...	0945	79	754	11.7	6.9	244	15.9	7.4	7.79	1.91
28...	0830	125	738	12.0	6.7	168	13.6	11.0	7.64	1.72
APR										
21...	1430	101	758	10.3	6.9	203	9.3	10.7	7.91	1.82
24...	0545	367	747	11.1	6.4	157	6.3	8.2	5.41	1.31
MAY										
10...	0930	89	757	7.8	6.7	213	11.3	19.2	8.72	1.94
JUN										
28...	0945	35	759	8.1	6.8	220	22.3	22.7	9.45	2.06
JUL										
11...	1045	7.7	755	6.1	6.9	239	25.4	21.8	10.7	2.37
AUG										
09...	0945	15	756	5.7	6.8	246	25.9	24.0	--	--
09...	1000	15	756	5.7	6.8	246	25.9	24.0	10.4	2.38
09...	1530	14	--	--	--	--	--	--	--	--
SEP										
21...	1000	34	750	7.4	6.9	225	22.4	20.3	9.65	2.22

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT									
20...	2.0	24.1	--	--	38.9	<0.1	9.3	17.9	0.43
NOV									
04...	1.7	24.0	--	--	41.1	<.1	9.2	11.7	.38
DEC									
01...	1.5	26.2	16	19	44.9	<.1	8.8	11.9	.35
JAN									
06...	1.1	15.7	6	7	28.1	<.1	7.0	8.9	.32
FEB									
14...	1.2	18.8	11	14	33.2	<.1	7.8	7.1	.44
23...	1.3	33.4	11	14	59.5	<.1	7.4	10.4	.26
MAR									
09...	1.3	30.3	9	11	52.0	<.1	5.5	9.4	.24
28...	1.1	26.6	11	14	45.2	<.1	3.4	7.8	.30
APR									
21...	1.2	28.8	13	16	47.4	<.1	2.6	7.4	.28
24...	1.0	20.4	8	10	33.2	<.1	3.8	6.1	.34
MAY									
10...	1.5	25.4	19	23	43.9	<.1	1.7	7.0	.37
JUN									
28...	1.4	27.1	19	22	47.4	.2	5.6	5.9	.69
JUL									
11...	1.7	30.2	20	25	51.8	<.1	3.8	5.8	.41
AUG									
09...	--	--	22	26	--	--	--	7.2	.43
09...	1.6	30.8	22	26	55.8	<.1	6.5	7.3	.41
09...	--	--	--	--	--	--	--	--	--
SEP									
21...	2.0	25.6	17	20	44.6	.1	4.1	11.0	.28

01109000 WADING RIVER NEAR NORTON, MA--Continued

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)
OCT									
20...	0.51	<0.020	<0.050	<0.010	0.013	0.010	0.029	12	0.5
NOV									
04...	.44	<.020	<.050	<.010	.021	<.010	.033	13	.4
DEC									
01...	.55	<.020	.144	<.010	.011	<.010	.019	9.4	.2
JAN									
06...	.35	<.020	.211	<.010	.008	<.010	.026	8.9	.4
FEB									
14...	.46	.061	.388	<.010	.008	<.010	.042	6.2	1.4
23...	.27	.030	.388	<.010	.007	<.010	.015	6.1	<.2
MAR									
09...	.30	<.020	.295	<.010	.006	<.010	.015	5.8	.3
28...	.38	<.020	.188	<.010	E.004	<.010	.028	6.4	.4
APR									
21...	.34	<.020	.147	<.010	.007	<.010	.012	7.8	<.2
24...	.40	<.020	.168	<.010	.006	<.010	.083	9.4	.2
MAY									
10...	.54	.037	.120	<.010	.011	<.010	.014	8.7	.4
JUN									
28...	.74	.145	.234	<.010	.038	.015	.053	11	.3
JUL									
11...	.53	.025	.231	<.010	.025	.015	.035	7.9	.3
AUG									
09...	.49	<.020	.236	<.010	.022	<.010	.029	--	--
09...	.48	<.020	.181	<.010	.023	<.010	.028	7.9	.2
09...	--	--	--	--	--	--	--	--	--
SEP									
21...	.32	<.020	.109	<.010	.009	<.010	.025	5.6	.2

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
20...	140	--	300	63	--	--	--	6	74
NOV									
04...	137	--	390	78	--	--	--	5	82
DEC									
01...	136	--	330	60	--	--	--	4	47
JAN									
06...	100	--	240	61	--	--	--	3	50
FEB									
14...	93	--	100	43	--	--	--	12	91
23...	150	--	140	82	--	--	--	4	73
MAR									
09...	134	--	130	40	--	--	--	2	75
28...	110	--	160	52	--	--	--	7	82
APR									
21...	122	--	240	49	E0.003	E0.002	<0.003	4	83
24...	97	--	230	44	--	--	--	2	71
MAY									
10...	122	--	510	105	--	--	--	5	87
JUN									
28...	138	--	690	95	--	--	--	5	86
JUL									
11...	142	--	680	87	--	--	--	4	64
AUG									
09...	--	--	--	--	E.002	.005	.012	--	--
09...	151	--	440	81	--	--	--	3	89
09...	--	36.6	--	--	--	--	--	--	--
SEP									
21...	131	--	110	33	--	--	--	2	75

01109060 THREEMILE RIVER AT NORTH DIGHTON, MA

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

DRAINAGE AREA.--84.3 mi^2.

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

PERIOD OF RECORD.--Discharge: July 1966 to current year.
Water-quality records: Water years 1967-68.

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

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

AVERAGE DISCHARGE.--34 years, 168 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870 ft^3/s, June 16, 1998, gage height, 8.89 ft; minimum, 1.9 ft^3/s, Sept. 12, 1995, but was less during period of unusual regulation on Aug. 4, 5, 1997 (gage height below minimum recordable at this station.)

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,010 ft^3/s (estimated), Apr. 24, gage height, unknown, minimum, 10 ft^3/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	72	76	72	108	363	359	357	129	65	105	18
2	50	71	70	71	108	334	305	317	118	57	109	27
3	46	122	67	74	103	293	260	275	134	51	100	26
4	49	159	66	84	98	252	235	241	134	47	91	22
5	63	171	64	179	94	220	228	218	122	44	78	21
6	71	168	67	220	91	198	221	202	129	40	66	19
7	70	144	141	226	88	181	207	193	237	36	57	17
8	60	119	183	202	82	169	187	188	325	32	49	17
9	53	104	181	180	80	159	198	183	379	28	43	17
10	50	97	168	176	81	152	207	197	313	27	50	16
11	52	94	149	216	88	158	207	244	246	25	50	15
12	52	88	136	248	95	315	197	276	214	23	50	15
13	48	86	121	251	94	406	181	263	194	20	43	16
14	111	84	114	e200	206	453	166	244	175	18	49	15
15	89	84	129	e162	339	386	155	215	157	19	50	27
16	72	82	150	e156	422	317	160	197	145	26	53	35
17	67	77	156	e125	350	362	168	174	137	24	51	24
18	109	72	147	e110	278	433	166	157	137	29	46	23
19	134	70	129	e103	226	452	185	176	132	39	42	23
20	155	67	118	e93	197	397	195	201	119	37	39	70
21	191	70	121	e88	186	344	196	209	105	29	37	66
22	193	71	121	e84	175	300	461	193	95	26	31	60
23	190	71	115	e87	168	264	e885	199	85	27	29	48
24	171	71	107	89	179	231	e980	233	76	42	32	44
25	155	71	97	91	213	213	e830	273	68	37	31	38
26	135	73	87	106	305	199	e700	304	62	37	29	36
27	114	79	86	106	380	185	e620	263	61	64	26	40
28	98	88	82	96	407	252	e565	209	83	77	23	40
29	87	87	77	94	402	358	e490	177	80	82	21	37
30	80	82	74	85	---	478	420	156	73	71	19	33
31	74	---	73	99	---	432	---	142	---	76	19	---
TOTAL	2942	2794	3472	4173	5643	9256	10334	6876	4464	1255	1518	905
MEAN	94.9	93.1	112	135	195	299	344	222	149	40.5	49.0	30.2
MAX	193	171	183	251	422	478	980	357	379	82	109	70
MIN	46	67	64	71	80	152	155	142	61	18	19	15

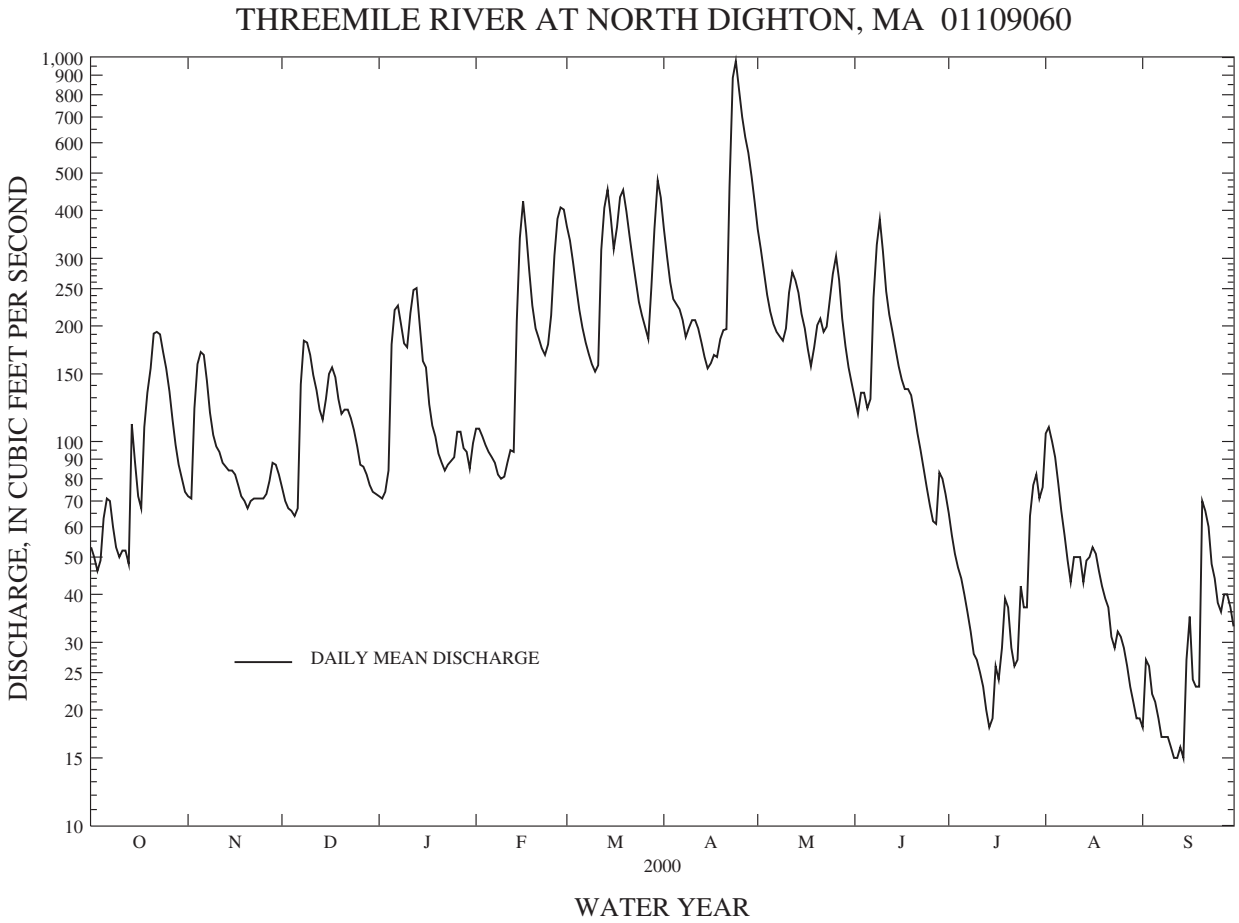
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	78.1	138	214	230	248	323	299	189	138	55.6	53.4	48.1
MAX	298	407	534	683	466	580	701	408	614	280	170	128
(WY)	1990	1990	1973	1979	1970	1983	1987	1967	1998	1998	1986	1989
MIN	10.9	32.7	40.1	29.8	55.7	136	84.5	83.4	25.6	12.1	8.62	10.9
(WY)	1998	1994	1981	1981	1980	1985	1985	1981	1991	1991	1999	1993

01109060 THREEMILE RIVER AT NORTH DIGHTON, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	49776.3		53632			
ANNUAL MEAN	136		147		168	
HIGHEST ANNUAL MEAN					255	1984
LOWEST ANNUAL MEAN					64.4	1981
HIGHEST DAILY MEAN	888	Feb 4	980	Apr 24	2680	Jun 16 1998
LOWEST DAILY MEAN	4.9	Aug 4	15	Sep 11	1.3	Aug 5 1997
ANNUAL SEVEN-DAY MINIMUM	5.9	Aug 30	16	Sep 8	2.9	Sep 7 1995
INSTANTANEOUS PEAK FLOW			e1010	Apr 24	2870	Jun 16 1998
INSTANTANEOUS PEAK STAGE					8.89	Jun 16 1998
INSTANTANEOUS LOW FLOW			10	Sep 14		
10 PERCENT EXCEEDS	309		307		380	
50 PERCENT EXCEEDS	87		105		113	
90 PERCENT EXCEEDS	9.4		29		21	

e Estimated



01109070 SEGREGANSET RIVER NEAR DIGHTON, MA

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

DRAINAGE AREA.--10.6 mi^2.

PERIOD OF RECORD.--Discharge: July 1966 to February 1992, July 1992 to current year.
Water-quality records: Water years 1967-68.

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

REMARKS.--Records good. Occasional regulation by ponds upstream. Diversion upstream for Dighton Water District.

AVERAGE DISCHARGE.--34 years, 22.4 ft^3/s, 28.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 867 ft^3/s, Mar. 18, 1968, gage height, 7.51 ft; no flow at times in several water years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 301 ft^3/s, Apr. 23, gage height, 4.78 ft; minimum, 0.10 ft^3/s, July 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.34	6.5	8.7	6.6	14	51	33	29	10	3.0	5.2	0.22
2	.83	6.2	7.5	6.8	13	38	26	26	9.6	2.2	5.4	.28
3	.67	23	7.0	7.9	10	31	22	25	14	1.6	4.3	2.3
4	.86	38	6.5	9.4	9.6	25	22	22	12	1.3	4.0	4.5
5	2.8	33	6.2	50	9.2	21	27	19	9.4	1.1	3.2	3.5
6	3.7	23	6.9	61	8.6	18	25	18	14	.79	2.0	2.3
7	2.5	17	39	40	8.1	16	20	16	83	.56	1.3	1.4
8	1.8	14	65	27	7.6	15	18	16	87	.42	.94	.95
9	1.5	11	47	21	7.1	14	25	20	49	.31	.63	.79
10	1.5	10	29	22	8.4	14	32	26	29	.27	1.2	.69
11	2.3	9.4	21	53	12	17	25	66	18	.20	2.3	.60
12	2.0	8.7	17	55	13	143	21	70	16	.15	1.5	.52
13	1.7	8.6	14	38	12	163	19	45	16	.14	1.1	.52
14	20	8.3	13	27	74	85	16	50	13	.13	1.9	.38
15	29	8.5	20	17	143	52	15	41	11	.11	2.6	.90
16	20	8.3	28	14	76	38	19	28	10	.22	3.2	3.6
17	12	7.6	27	13	45	72	26	20	9.4	.47	5.3	2.8
18	25	6.9	20	9.9	33	92	25	17	11	.40	3.7	1.6
19	34	6.4	16	7.9	22	62	42	32	12	.65	2.7	1.2
20	37	6.1	13	7.0	20	48	49	51	10	.76	2.0	16
21	50	6.2	14	7.1	20	40	36	41	7.9	.47	1.3	19
22	44	6.3	15	7.4	18	33	199	28	6.1	.28	.87	9.9
23	31	6.2	13	7.1	19	28	260	36	4.9	.20	.65	5.3
24	23	6.1	11	6.5	35	24	135	57	3.8	.17	1.0	3.8
25	18	6.4	9.1	7.5	56	22	78	69	3.0	.16	1.1	3.4
26	14	7.8	8.0	12	91	21	59	48	2.6	.22	.70	2.8
27	12	9.9	8.0	13	84	19	69	30	2.6	3.3	.54	3.0
28	10	13	7.4	9.5	70	58	59	20	4.5	7.1	.48	2.5
29	8.7	12	6.7	7.7	69	104	45	16	4.5	3.7	.38	1.9
30	7.9	10	6.7	7.0	---	70	36	13	3.8	2.3	.30	1.4
31	7.2	---	6.9	10	---	45	---	12	---	2.9	.25	---
TOTAL	425.30	344.4	517.6	588.3	1007.6	1479	1483	1007	487.1	35.58	62.04	98.05
MEAN	13.7	11.5	16.7	19.0	34.7	47.7	49.4	32.5	16.2	1.15	2.00	3.27
MAX	50	38	65	61	143	163	260	70	87	7.1	5.4	19
MIN	.34	6.1	6.2	6.5	7.1	14	15	12	2.6	.11	.25	.22
CFSM	1.29	1.08	1.58	1.79	3.28	4.50	4.66	3.06	1.53	.11	.19	.31
IN.	1.49	1.21	1.82	2.06	3.54	5.19	5.20	3.53	1.71	.12	.22	.34

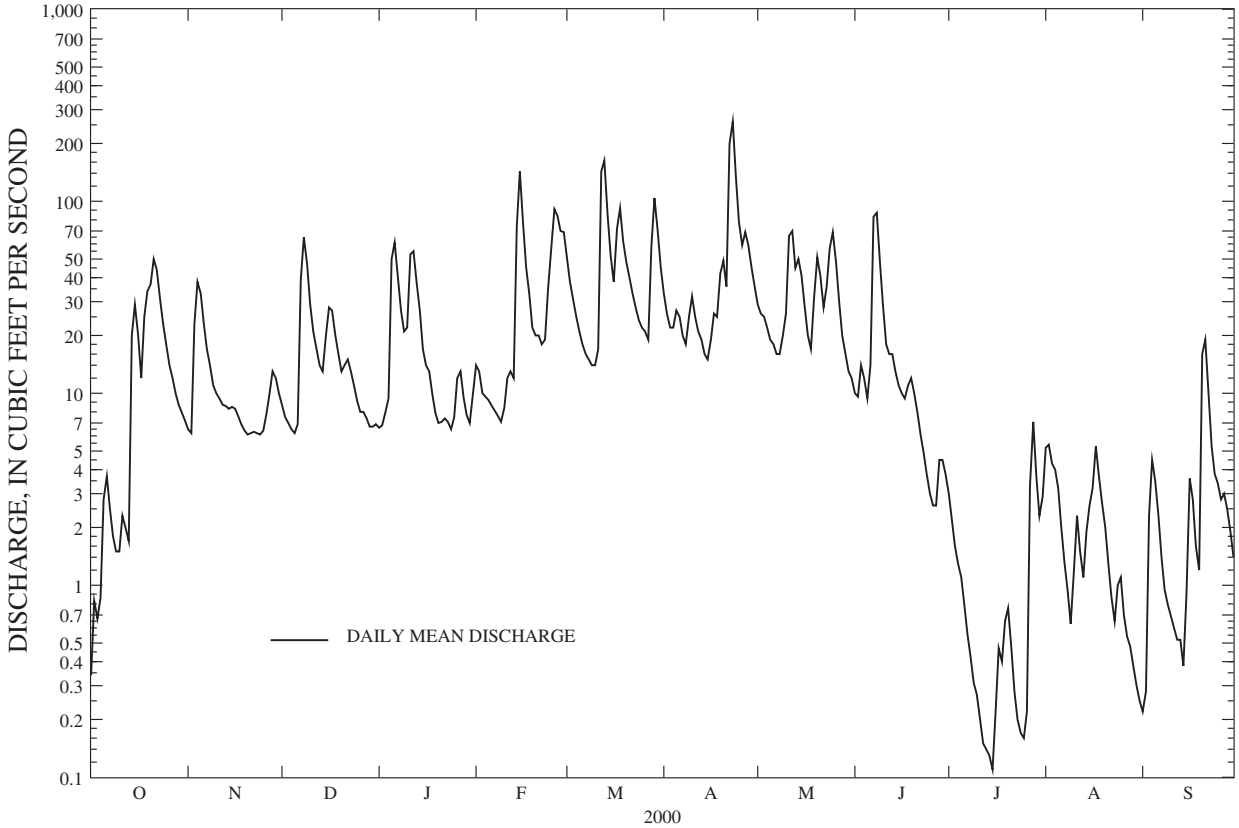
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	9.12	20.7	31.4	34.3	35.9	46.1	37.8	24.0	15.7	4.89	4.66	5.05
MAX	42.7	58.4	74.7	110	68.6	91.4	106	61.7	85.1	24.9	35.3	21.5
(WY)	1978	1973	1987	1979	1998	1994	1987	1967	1998	1973	1976	1972
MIN	.000	4.69	3.70	3.34	7.23	20.2	9.55	7.87	1.00	.007	.000	.018
(WY)	1998	1981	1981	1981	1980	1981	1985	1981	1999	1999	1999	1980

01109070 SEGREGANSET RIVER NEAR DIGHTON, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	6507.90		7534.97			
ANNUAL MEAN	17.8		20.6		22.4	
HIGHEST ANNUAL MEAN					34.5	1998
LOWEST ANNUAL MEAN					7.68	1981
HIGHEST DAILY MEAN	291	Feb 3	260	Apr 23	670	Mar 18 1968
LOWEST DAILY MEAN	.00	Jul 9	.11	Jul 15	.00	Aug 13 1966
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 9	.17	Jul 10	.00	Aug 13 1966
INSTANTANEOUS PEAK FLOW			301	Apr 23	867	Mar 18 1968
INSTANTANEOUS PEAK STAGE			4.78	Apr 23	7.51	Mar 18 1968
INSTANTANEOUS LOW FLOW			.10	Jul 15	.00	Aug 13 1966
ANNUAL RUNOFF (CFSM)	1.68		1.94		2.11	
ANNUAL RUNOFF (INCHES)	22.84		26.44		28.69	
10 PERCENT EXCEEDS	44		51		51	
50 PERCENT EXCEEDS	8.6		11		12	
90 PERCENT EXCEEDS	.00		.74		.46	

SEGREGANSET RIVER NEAR DIGHTON, MA 01109070



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 mi^2.

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.--14 years, 107 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft^3/s, June 15, 1998, gage height, 8.50 ft; minimum, 5.0 ft^3/s, Apr. 19, 1991; minimum daily, 6.6 ft^3/s, Apr. 19, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 831 ft^3/s, Apr. 23, gage height, 6.66 ft; minimum, 19 ft^3/s, Sept. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

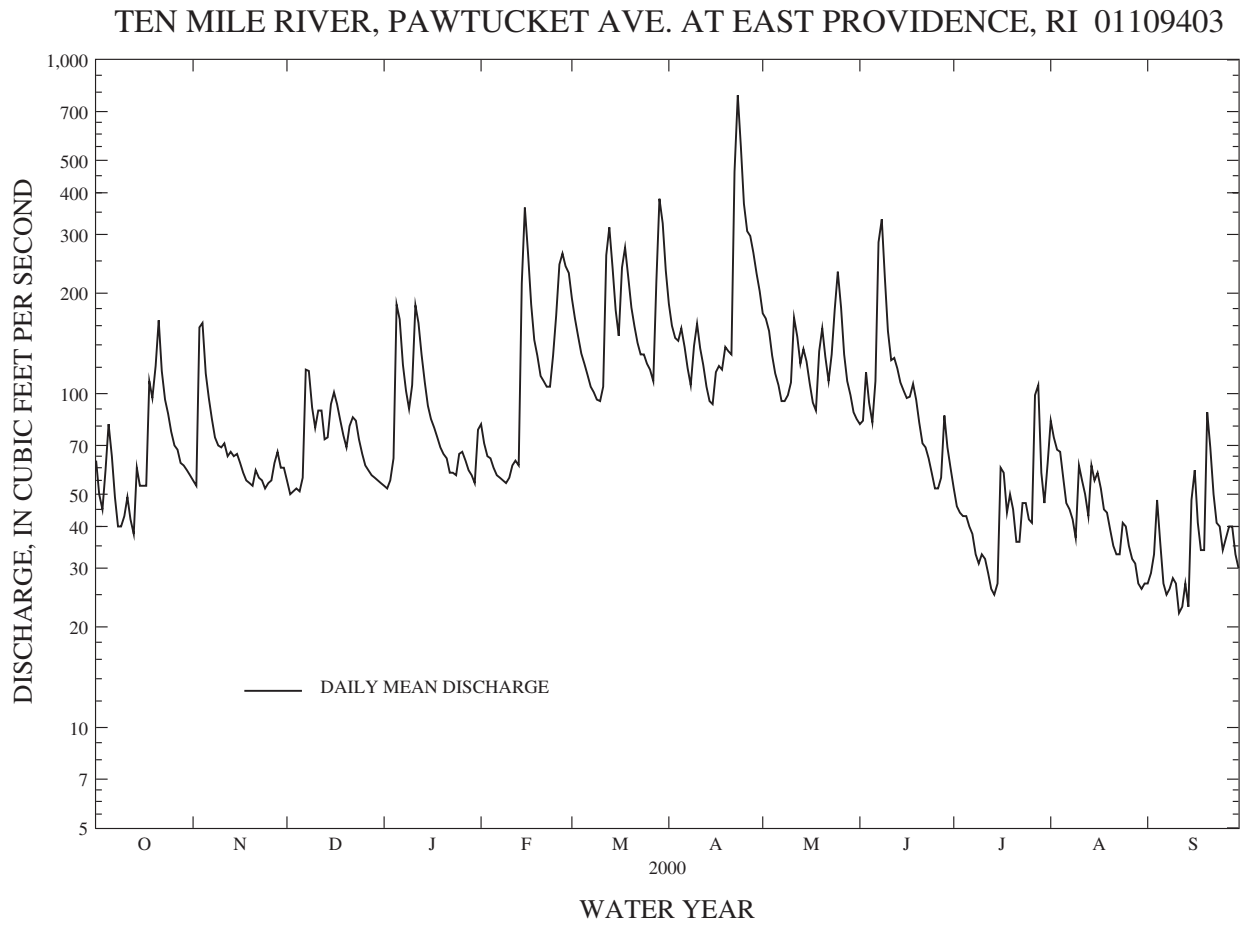
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	55	55	53	81	193	186	174	81	52	83	27
2	50	53	50	52	71	168	160	168	83	46	74	29
3	45	158	51	55	65	149	147	154	116	44	68	33
4	59	163	52	64	64	132	144	130	94	43	67	48
5	81	115	51	185	60	123	157	115	82	43	56	36
6	65	97	56	167	57	114	138	106	109	40	47	27
7	49	84	118	122	56	105	119	95	284	38	45	25
8	40	74	117	102	55	101	106	95	333	33	42	26
9	40	70	91	90	54	96	139	99	223	31	37	28
10	43	69	79	106	56	95	162	108	154	33	61	27
11	49	71	89	184	61	105	137	169	126	32	55	22
12	42	65	89	163	63	260	122	148	128	29	50	23
13	38	67	73	131	61	315	105	123	119	26	43	27
14	60	65	74	108	214	238	95	136	108	25	61	23
15	53	66	93	92	361	178	93	125	102	27	55	48
16	53	62	101	84	261	149	116	107	97	60	58	59
17	53	58	93	79	185	239	121	94	98	58	52	41
18	109	55	83	74	145	274	118	89	107	44	45	34
19	97	54	75	69	130	225	138	134	96	50	44	34
20	121	53	69	66	113	181	134	157	82	45	39	88
21	166	59	80	64	109	159	131	129	71	36	35	69
22	117	56	85	58	105	142	462	109	69	36	33	50
23	96	55	83	58	105	131	784	131	64	47	33	41
24	87	52	73	57	130	131	551	179	58	47	41	40
25	77	54	66	66	171	123	371	232	52	42	40	34
26	70	55	61	67	244	118	307	181	52	41	35	37
27	68	62	59	63	263	109	297	131	56	99	32	40
28	62	67	57	59	241	217	265	109	86	106	31	40
29	61	60	56	57	230	384	229	99	69	58	27	33
30	59	60	55	54	---	324	203	88	60	47	26	30
31	57	---	54	78	---	234	---	84	---	62	27	---
TOTAL	2130	2134	2288	2727	3811	5512	6237	3998	3259	1420	1442	1119
MEAN	68.7	71.1	73.8	88.0	131	178	208	129	109	45.8	46.5	37.3
MAX	166	163	118	185	361	384	784	232	333	106	83	88
MIN	38	52	50	52	54	95	93	84	52	25	26	22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

MEAN	63.9	95.5	134	141	147	181	185	115	77.4	47.6	48.7	48.8
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

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
ANNUAL TOTAL	34865		36077			
ANNUAL MEAN	95.5		98.6		107	
HIGHEST ANNUAL MEAN					154	1998
LOWEST ANNUAL MEAN					67.5	1995
HIGHEST DAILY MEAN	652	Feb 4	784	Apr 23	1380	Jun 15 1998
LOWEST DAILY MEAN	11	Aug 3	22	Sep 11	6.6	Apr 19 1991
ANNUAL SEVEN-DAY MINIMUM	12	Jul 30	25	Sep 8	12	Aug 31 1993
INSTANTANEOUS PEAK FLOW			831	Apr 23	1450	Jun 15 1998
INSTANTANEOUS PEAK STAGE			6.66	Apr 23	8.50	Jun 15 1998
INSTANTANEOUS LOW FLOW			19	Sep 11	5.0	Apr 19 1991
10 PERCENT EXCEEDS	203		181		221	
50 PERCENT EXCEEDS	65		71		78	
90 PERCENT EXCEEDS	17		36		25	



01110000 QUINSIGAMOND RIVER AT NORTH GRAFTON, MA

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

DRAINAGE AREA.--25.6 mi^2.

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

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.--61 years, 41.2 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 820 ft^3/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, 278 ft^3/s, Apr. 23, gage height, 3.08 ft; minimum daily, 0.91 ft^3/s, Sept. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	16	21	17	e24	79	63	84	29	19	34	4.2
2	16	15	18	17	e22	73	55	77	30	17	30	3.3
3	13	29	16	18	20	68	52	69	41	16	26	2.8
4	15	34	16	22	20	60	53	62	35	15	26	2.6
5	17	27	16	49	18	54	58	59	30	15	24	2.3
6	15	25	15	42	17	50	48	55	39	12	20	2.0
7	13	23	33	38	16	44	45	52	135	11	18	1.6
8	9.7	19	36	34	16	42	40	50	136	9.1	17	1.3
9	9.3	16	30	29	15	40	70	48	108	6.8	14	1.2
10	9.7	16	27	32	16	40	89	46	88	7.1	13	1.2
11	12	17	34	57	17	41	72	70	72	7.2	11	1.1
12	10	16	24	57	19	87	65	66	87	5.7	9.9	.91
13	8.0	15	19	46	18	95	57	61	e87	4.5	8.5	1.3
14	12	15	20	35	36	79	49	71	e85	3.6	17	1.6
15	11	18	27	e31	61	69	45	65	e80	3.0	21	8.4
16	9.0	17	31	e29	54	62	44	55	e76	15	20	16
17	8.5	15	30	e27	51	98	41	48	e74	20	21	13
18	32	12	27	e24	45	104	39	44	e68	19	17	10
19	37	11	24	e22	48	89	42	56	e60	18	16	8.1
20	37	11	22	e20	43	79	42	64	e50	15	14	19
21	42	14	36	e19	38	70	45	59	e45	12	12	21
22	36	14	38	e18	34	64	225	53	e43	13	9.7	17
23	37	14	34	e18	32	59	269	50	36	12	8.5	13
24	33	14	31	e19	38	55	228	55	32	9.4	12	11
25	28	15	26	e20	50	51	178	64	27	7.8	12	9.3
26	23	17	24	e25	69	50	151	59	25	7.3	9.8	8.7
27	21	23	23	e23	71	44	147	49	25	33	8.5	12
28	18	31	21	e22	82	72	129	42	24	52	7.3	10
29	16	26	20	e21	88	96	111	38	23	43	6.2	8.2
30	16	23	18	e23	---	85	100	34	22	36	5.9	6.4
31	15	---	18	e25	---	72	---	31	---	34	5.2	---
TOTAL	598.2	558	775	879	1078	2071	2652	1736	1712	498.5	474.5	218.51
MEAN	19.3	18.6	25.0	28.4	37.2	66.8	88.4	56.0	57.1	16.1	15.3	7.28
MAX	42	34	38	57	88	104	269	84	136	52	34	21
MIN	8.0	11	15	17	15	40	39	31	22	3.0	5.2	.91

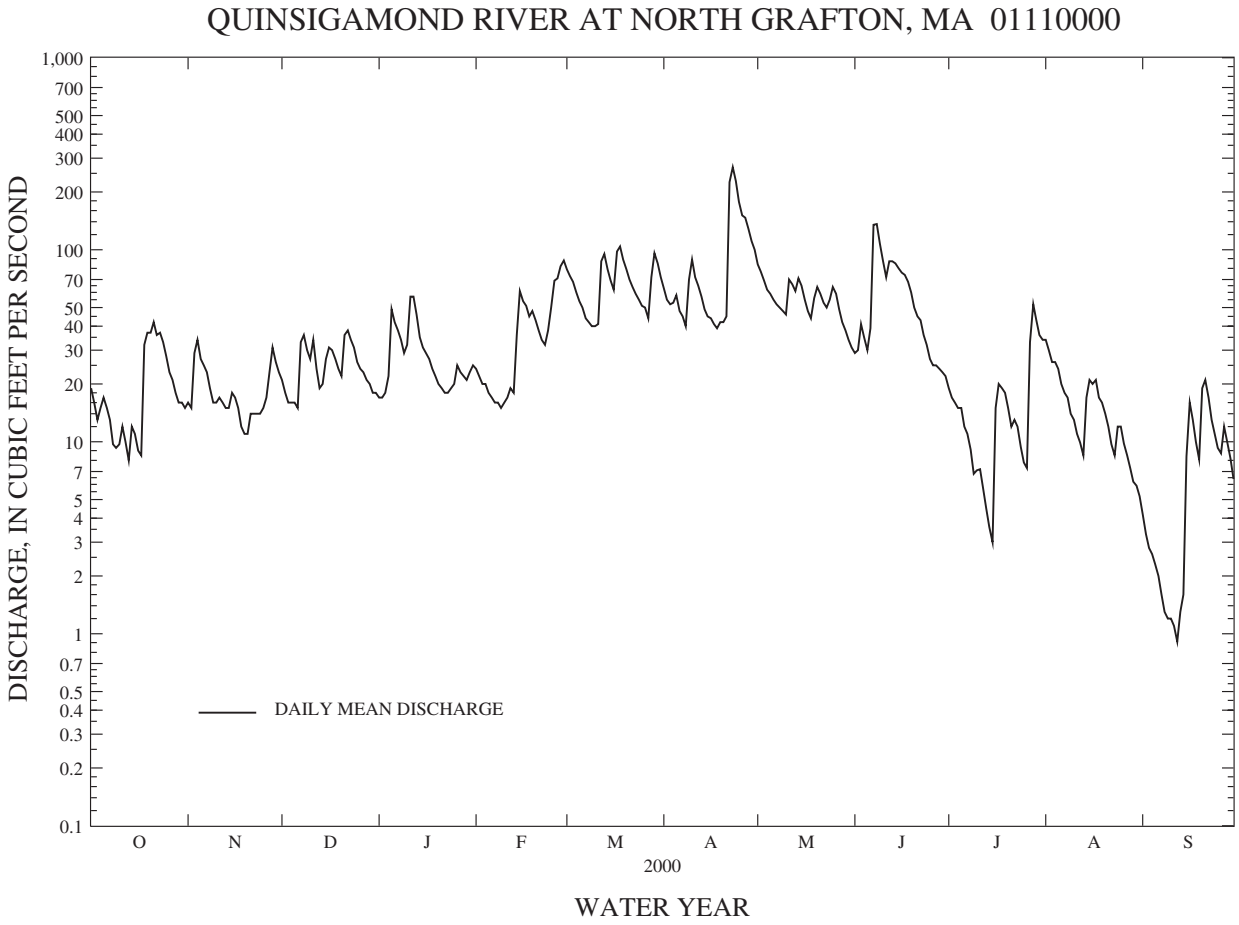
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	20.7	32.5	43.5	48.1	53.9	77.9	76.9	52.1	37.9	19.6	17.1	15.3
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

01110000 QUINSIGAMOND RIVER AT NORTH GRAFTON, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	9792.96		13250.71			
ANNUAL MEAN	26.8		36.2		41.2	
HIGHEST ANNUAL MEAN					68.4	1956
LOWEST ANNUAL MEAN					16.5	1966
HIGHEST DAILY MEAN	142	Feb 3	269	Apr 23	790	Aug 20 1955
LOWEST DAILY MEAN	.04	Aug 3	.91	Sep 12	.00	Aug 6 1966
ANNUAL SEVEN-DAY MINIMUM	.04	Aug 3	1.2	Sep 7	.01	Sep 11 1980
INSTANTANEOUS PEAK FLOW			278	Apr 23	820	Aug 20 1955
INSTANTANEOUS PEAK STAGE			3.08	Apr 23	5.15	Aug 20 1955
INSTANTANEOUS LOW FLOW			.79	Sep 12		
10 PERCENT EXCEEDS	64		72		87	
50 PERCENT EXCEEDS	19		25		31	
90 PERCENT EXCEEDS	.07		8.6		5.5	

e Estimated



01110500 BLACKSTONE RIVER AT NORTHBRIDGE, MA

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

DRAINAGE AREA.--139 mi^2.

PERIOD OF RECORD.--Discharge: October 1939 to September 1977. October 1995 to current year. October and November 1939 monthly discharge only, published in WSP 1301.
Water-quality records: Water years, 1955, 1958, 1971.

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

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

REMARKS.--Records good except those for estimated daily discharge and those below 350 ft^3/s (regulation), which are poor. Flow regulated by mills and reservoirs upstream. Daily discharge includes flow diverted from Nashua River Basin and, at times, from Quabbin Reservoir to Blackstone River Basin for municipal supply of Worcester.

AVERAGE DISCHARGE.--43 years (water years 1940-77, 1996, 1997-2000), 272 ft^3/s.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Stage and discharge of flood of Aug. 20, 1955 are the greatest since at least 1900. Flood of Mar. 19, 1936, reached a stage of 13.7 ft from floodmarks, discharge, 7,510 ft^3/s by computation of flow over dam 800 ft upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,260 ft^3/s, Apr. 22, gage height, 9.22 ft; minimum daily, 86 ft^3/s, Sept. 12.

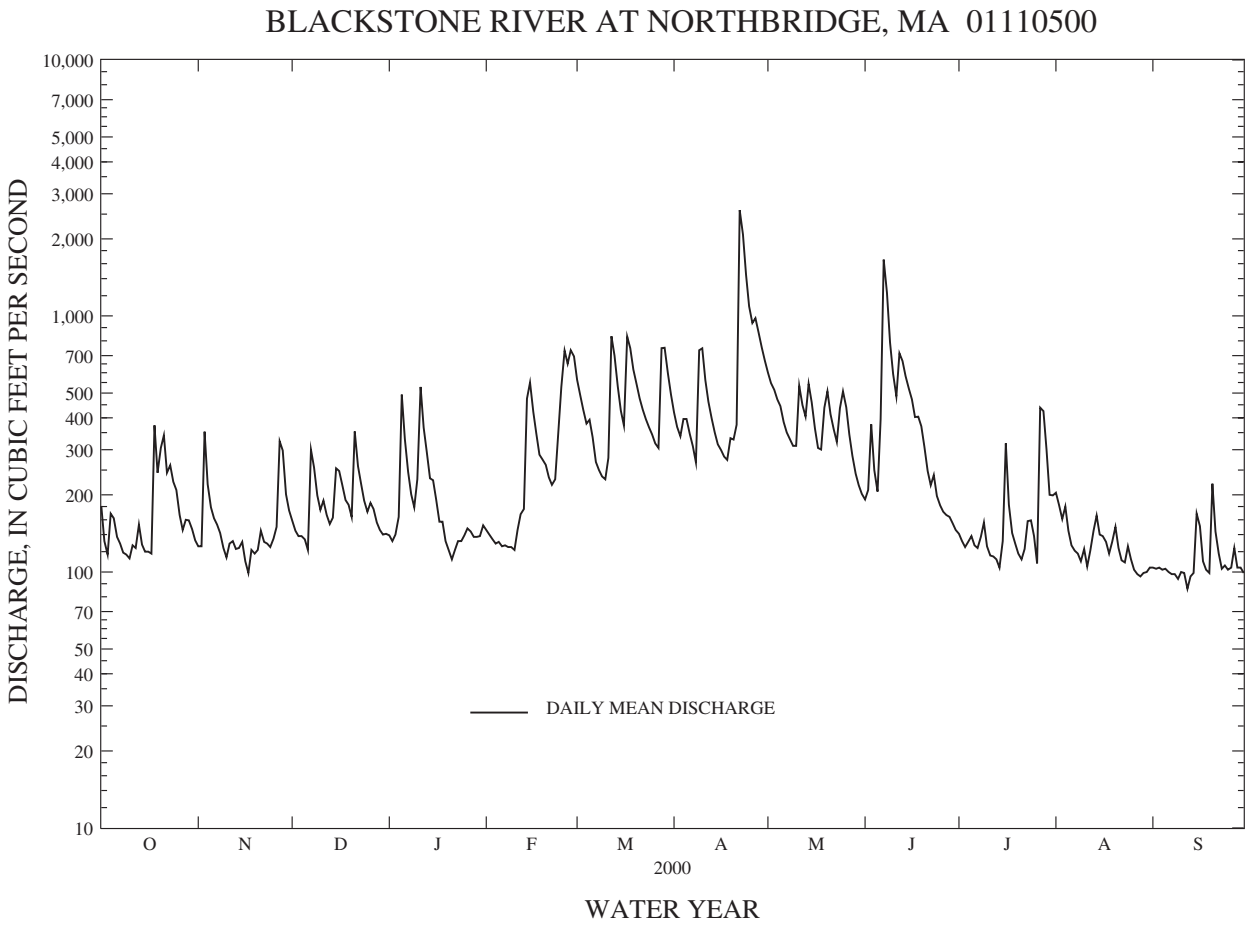
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	126	159	139	146	564	420	601	192	141	204	104
2	132	126	145	132	140	492	369	547	209	132	183	103
3	117	353	138	140	134	431	339	515	377	125	161	104
4	169	220	138	164	129	380	396	472	250	131	180	102
5	162	179	134	493	131	393	396	444	206	138	145	103
6	137	162	122	331	126	336	346	385	395	127	127	100
7	129	153	300	246	127	269	310	351	1660	124	121	98
8	119	142	256	201	125	250	268	331	1230	137	118	98
9	117	124	199	179	125	236	734	311	789	156	110	94
10	113	114	175	230	122	230	747	311	594	126	123	100
11	127	129	190	528	146	279	562	534	485	116	105	99
12	124	132	167	366	e168	833	462	448	714	115	121	86
13	153	123	154	295	176	700	398	405	667	112	145	96
14	128	124	163	232	475	530	351	543	582	104	166	99
15	120	131	254	228	550	426	315	460	520	132	e140	169
16	120	110	248	e192	422	373	299	363	472	318	138	151
17	118	99	219	e157	346	830	282	305	403	183	131	110
18	374	122	191	e157	287	748	274	301	404	142	118	102
19	244	118	183	e132	275	618	333	438	371	129	131	99
20	305	122	164	e122	262	541	329	508	308	118	150	221
21	342	145	354	e112	234	476	376	413	248	112	124	144
22	244	131	259	e122	219	431	2590	360	218	123	111	118
23	261	129	221	e132	230	396	2080	322	239	158	109	103
24	225	125	190	e132	349	367	1450	436	198	159	126	106
25	209	135	172	139	528	344	1090	508	182	138	112	102
26	167	150	e186	148	732	318	938	440	172	108	102	104
27	146	324	176	144	651	305	980	344	167	438	98	124
28	160	298	156	137	735	749	864	284	164	425	96	104
29	159	201	146	137	695	751	752	242	155	301	99	104
30	147	174	140	138	---	597	669	218	146	200	100	99
31	133	---	141	152	---	494	---	202	---	199	104	---
TOTAL	5382	4721	5840	6157	8785	14687	19719	12342	12717	5167	3998	3346
MEAN	174	157	188	199	303	474	657	398	424	167	129	112
MAX	374	353	354	528	735	833	2590	601	1660	438	204	221
MIN	113	99	122	112	122	230	268	202	146	104	96	86
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)												
MEAN	165	226	269	298	339	519	483	308	233	144	141	145
MAX	717	766	833	624	832	1072	923	608	661	428	1195	805
(WY)	1956	1956	1997	1996	1970	1972	1956	1972	1972	1959	1955	1954
MIN	53.5	67.7	86.9	93.8	153	250	187	123	89.5	58.4	51.2	56.8
(WY)	1942	1942	1942	1944	1944	1941	1999	1941	1999	1957	1965	1943

01110500 BLACKSTONE RIVER AT NORTHBRIDGE, MA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	82567		102861			
ANNUAL MEAN	226		281		272	
HIGHEST ANNUAL MEAN					408	1955
LOWEST ANNUAL MEAN					132	1965
HIGHEST DAILY MEAN	1590	Feb 3	2590	Apr 22	8850	Aug 20 1955
LOWEST DAILY MEAN	46	Sep 8	86	Sep 12	2.0	Aug 29 1941
ANNUAL SEVEN-DAY MINIMUM	66	Jul 29	96	Sep 7	29	Aug 4 1965
INSTANTANEOUS PEAK FLOW			3260	Apr 22	16900	Aug 20 1955
INSTANTANEOUS PEAK STAGE			9.22	Apr 22	16.74	Aug 20 1955
INSTANTANEOUS LOW FLOW			55	Sep 12		
10 PERCENT EXCEEDS	443		542		568	
50 PERCENT EXCEEDS	145		180		188	
90 PERCENT EXCEEDS	82		110		77	

e Estimated



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 mi^2.

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 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
NOV												
16...	0915	265	739	82	9.9	6.8	7.0	341	342	5.0	6.0	14.9
JUN												
13...	0815	931	778	82	8.3	7.0	7.8	231	227	15.5	16.0	9.51
JUL												
18...	0845	229	770	77	6.7	6.9	6.6	312	307	25.5	22.5	13.6
AUG												
24...	0845	134	773	76	7.1	6.9	7.3	387	386	21.0	18.8	--

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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV												
16...	2.60	4.7	40.6	24	30	36	66.3	19.3	1.1	0.538	1.67	0.104
JUN												
13...	1.65	2.3	27.3	14	16	20	46.3	11.2	.79	.207	.696	.051
JUL												
18...	2.22	4.0	38.1	22	24	29	62.4	16.5	.83	.058	1.39	.027
AUG												
24...	--	--	--	--	31	38	--	--	.55	.023	2.05	.012

DATE	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, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
NOV												
16...	0.130	0.270	--	3.0	13	25	277	4	189	3,400	2,800	--
JUN												
13...	.061	.195	8.1	3.0	19	55	277	12	143	2,200	570	40
JUL												
18...	.124	.290	6.7	1.0	17	34	277	12	180	420	630	8
AUG												
24...	.198	.331	5.0	1.0	--	--	277	--	--	310	160	6

01111230 BLACKSTONE RIVER AT MILLVILLE, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
NOV												
16...	57	--	--	3	--	--	--	0.5	--	--	--	490
JUN												
13...	302	<1	1.7	3	15	<1	28	<.2	E0.4	<1	4	1,130
JUL												
18...	183	<1	2.5	4	14	<1	63	<.3	1.0	<1	5	1,080
AUG												
24...	63	<1	2.8	3	14	<1	91	<1.0	E.5	<1	5	630

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)
NOV											
16...	<1	--	--	74	<0.3	--	--	--	<1	--	--
JUN											
13...	E1	1.1	84	111	<.3	<1	4	<0.7	<1	62.5	<0.9
JUL											
18...	E1	1.6	42	90	<.3	2	6	<.7	<1	83.4	<.9
AUG											
24...	<1	1.8	38	56	<.3	2	7	E.4	<1	96.6	<.9

DATE	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	ALPHA-HCH-D6 SUR SCD 1325 BED MAT PERCENT (90504)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN I TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED MAT PERCENT (90568)
NOV											
16...	--	--	--	--	--	--	--	--	--	--	--
JUN											
13...	<1	17	--	--	--	--	--	--	--	--	--
JUL											
18...	<1	11	--	--	--	--	--	--	--	--	--
AUG											
24...	<1	13	<0.2	70.0	<3	0.8	<0.2	<0.2	<0.2	<0.2	64

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	BIPHENYL, NONACHLORO-SUR SCD 1325 PERCENT (90575)	P,P'-DDD, RECOVER IN BOTTOM MATERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOTTOM MATERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	PHENOLS TOTAL (UG/L) (32730)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV											
16...	--	--	--	--	--	--	--	--	<4	--	--
JUN											
13...	--	--	--	--	--	--	--	--	<4	--	<1
JUL											
18...	--	--	--	--	--	--	--	--	<4	--	<1
AUG											
24...	<0.2	<2	<0.2	74.0	0.6	0.5	E0.3	47	--	<50	<1

01111300 NIPMUC RIVER NEAR HARRISVILLE, RI

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

DRAINAGE AREA.--16.0 mi^2.

PERIOD OF RECORD.--Discharge: March 1964 to September 1991, October 1993 to current year.
Water-quality records: Water year 1968.

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

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

REMARKS.--Records poor.

AVERAGE DISCHARGE.--34 years (water years 1965-91, 1994-current year), 30.6 ft^3/s, 25.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft^3/s, Jan. 25, 1979, gage height, 8.53 ft, from rating curve extended above 530 ft^3/s; minimum, no flow, Sept. 5,6, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 191 ft^3/s, Apr. 22, gage height, 6.01 ft; minimum, 0.17 ft^3/s, Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	15	19	18	36	54	45	46	22	10	11	-.65
2	5.0	15	19	19	30	50	43	45	21	6.6	9.8	2.5
3	4.8	38	18	19	25	47	42	43	29	4.9	9.6	5.8
4	5.5	39	18	21	23	44	45	42	24	4.4	8.1	5.2
5	8.0	24	18	88	22	43	48	40	21	5.5	8.2	3.5
6	7.2	20	18	66	21	42	43	39	33	4.8	4.9	1.8
7	5.9	18	51	46	21	40	41	38	129	2.9	4.0	1.1
8	5.1	18	55	38	20	39	40	36	73	2.4	3.3	.80
9	4.9	17	38	34	20	39	68	36	48	2.0	2.8	.60
10	5.5	17	31	41	21	38	66	35	41	2.0	5.9	.47
11	7.9	17	30	91	26	40	50	44	35	1.6	5.2	.30
12	7.8	17	26	65	29	77	47	40	46	1.3	4.4	.23
13	7.0	17	21	51	24	64	44	37	44	1.0	3.9	.31
14	8.2	17	24	e40	56	51	42	41	39	.92	14	.26
15	8.5	17	40	e32	82	47	41	38	36	.85	14	2.6
16	8.2	17	45	e28	61	44	42	33	34	6.9	12	4.0
17	8.0	16	37	e26	52	77	41	30	30	6.2	12	2.4
18	16	16	29	e24	46	68	40	30	30	3.9	8.7	1.2
19	18	16	24	e23	46	55	48	40	31	2.7	7.0	.72
20	17	16	21	e22	44	51	46	46	26	2.2	5.7	12
21	22	17	31	e21	43	49	44	39	21	1.6	4.3	13
22	18	17	30	e20	41	47	152	35	18	2.9	3.8	6.5
23	19	17	24	e20	43	45	119	36	17	2.1	3.1	3.2
24	21	17	21	21	51	43	88	41	15	1.5	4.7	2.2
25	17	17	20	e22	61	42	67	51	13	1.2	3.1	1.4
26	15	19	19	e26	73	42	65	43	9.4	1.3	2.5	1.4
27	14	30	19	e24	67	40	72	35	11	12	1.8	3.5
28	14	38	19	e22	72	71	60	32	29	23	1.4	3.1
29	14	26	19	e20	64	72	53	28	22	12	1.2	1.6
30	14	20	19	21	---	55	49	25	16	6.8	.92	.87
31	15	---	18	32	---	48	---	24	---	8.3	.85	---
TOTAL	347.2	605	821	1041	1220	1564	1691	1168	963.4	145.77	182.17	83.21
MEAN	11.2	20.2	26.5	33.6	42.1	50.5	56.4	37.7	32.1	4.70	5.88	2.77
MAX	22	39	55	91	82	77	152	51	129	23	14	13
MIN	4.8	15	18	18	20	38	40	24	9.4	.85	.85	.23
CFSM	.70	1.26	1.66	2.10	2.63	3.15	3.52	2.35	2.01	.29	.37	.17
IN.	.81	1.41	1.91	2.42	2.84	3.64	3.93	2.72	2.24	.34	.42	.19

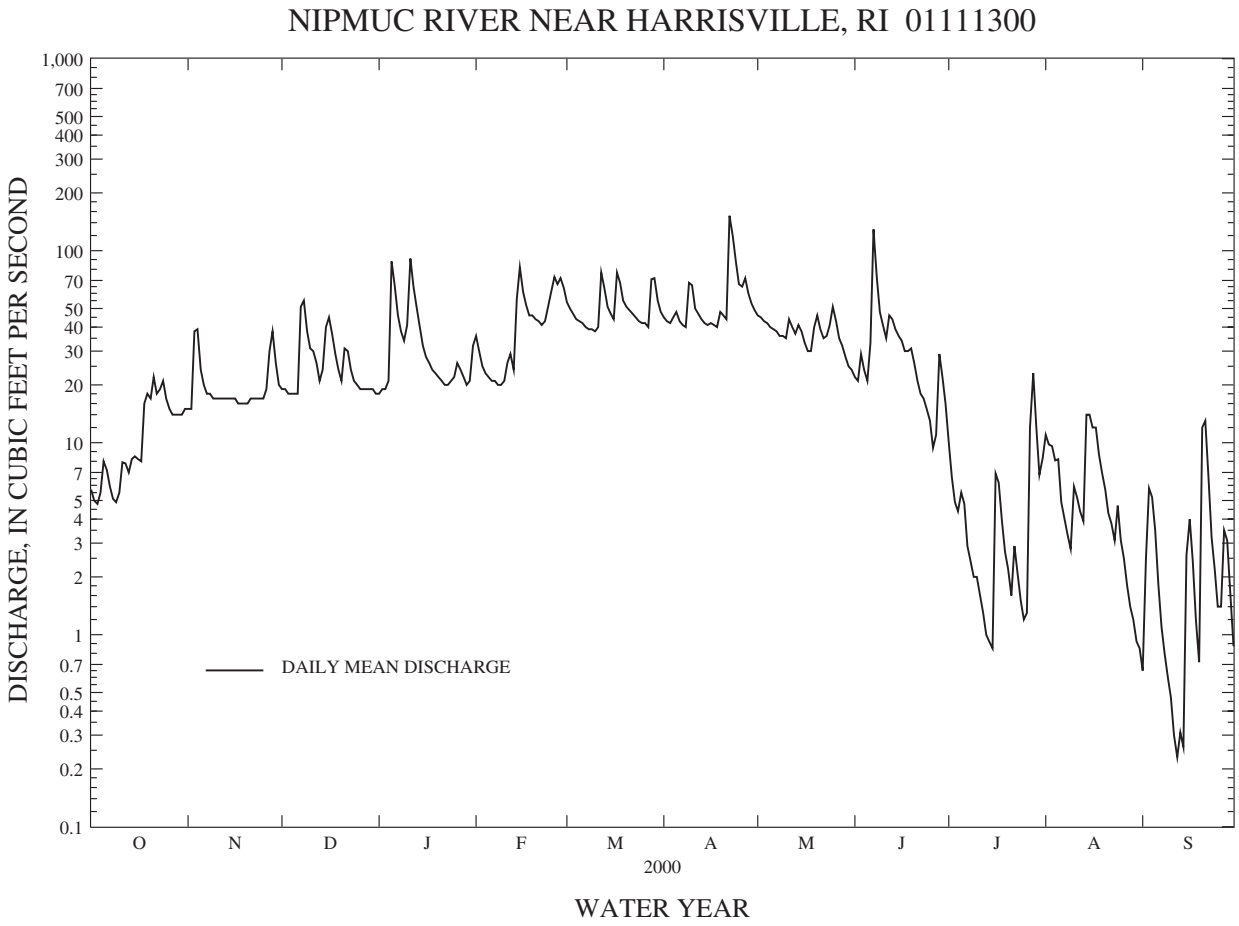
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	14.0	25.8	39.1	43.5	44.7	62.5	57.1	35.7	22.3	7.99	7.74	5.88
MAX	59.9	81.5	113	176	92.7	124	156	69.0	109	29.8	49.5	23.7
(WY)	1990	1973	1997	1979	1970	1983	1987	1967	1982	1984	1990	1989
MIN	1.85	3.32	7.45	7.13	7.93	30.5	19.3	12.6	3.06	1.07	.32	.36
(WY)	1965	1966	1966	1981	1980	1989	1966	1986	1999	1997	1999	1983

01111300 NIPMUC RIVER NEAR HARRISVILLE, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	10479.69		9831.75			
ANNUAL MEAN	28.7		26.9		30.6	
HIGHEST ANNUAL MEAN					44.9	1984
LOWEST ANNUAL MEAN					13.5	1966
HIGHEST DAILY MEAN	291	Feb 3	152	Apr 22	937	Jan 25 1979
LOWEST DAILY MEAN	.01	Sep 5	.23	Sep 12	.01	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	.07	Aug 31	.42	Sep 8	.04	Sep 2 1995
INSTANTANEOUS PEAK FLOW			191	Apr 22	1840	Jan 25 1979
INSTANTANEOUS PEAK STAGE			6.01	Apr 22	8.53	Jan 25 1979
INSTANTANEOUS LOW FLOW			.17	Sep 15	.00	Sep 5 1999
ANNUAL RUNOFF (CFSM)	1.79		1.68		1.91	
ANNUAL RUNOFF (INCHES)	24.37		22.86		25.97	
10 PERCENT EXCEEDS	74		51		67	
50 PERCENT EXCEEDS	17		21		19	
90 PERCENT EXCEEDS	.44		2.4		1.7	

e Estimated



01111500 BRANCH RIVER AT FORESTDALE, RI

LOCATION.--Lat 41°59'47", long 71°33'47", Providence County, Hydrologic Unit 01090003, on left bank 20 ft upstream from abandoned bridge site, 400 ft downstream from milldam at Forestdale, 1 mi east of Slatersville, and 1.6 mi upstream from mouth.

DRAINAGE AREA.--91.2 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 2101: Drainage area.

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

REMARKS.--Records fair except those for estimated daily discharge, which are poor. Occasional regulation by pond upstream. Prior to 1957, greater regulation by mills and reservoirs upstream.

AVERAGE DISCHARGE.--60 years, 175 ft^3/s, 26.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,470 ft^3/s, Jan. 25, 1979, gage height, 11.80 ft; maximum gage height, 11.90 ft, Mar. 18, 1968; minimum daily, 5.2 ft^3/s, Oct. 7, 1948.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1886, about 5,800 ft^3/s, Mar. 19, 1936, by computation of flow over dam 1 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,380 ft^3/s, Apr. 22, gage height, 6.15 ft; minimum, 19 ft^3/s, Sept. 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

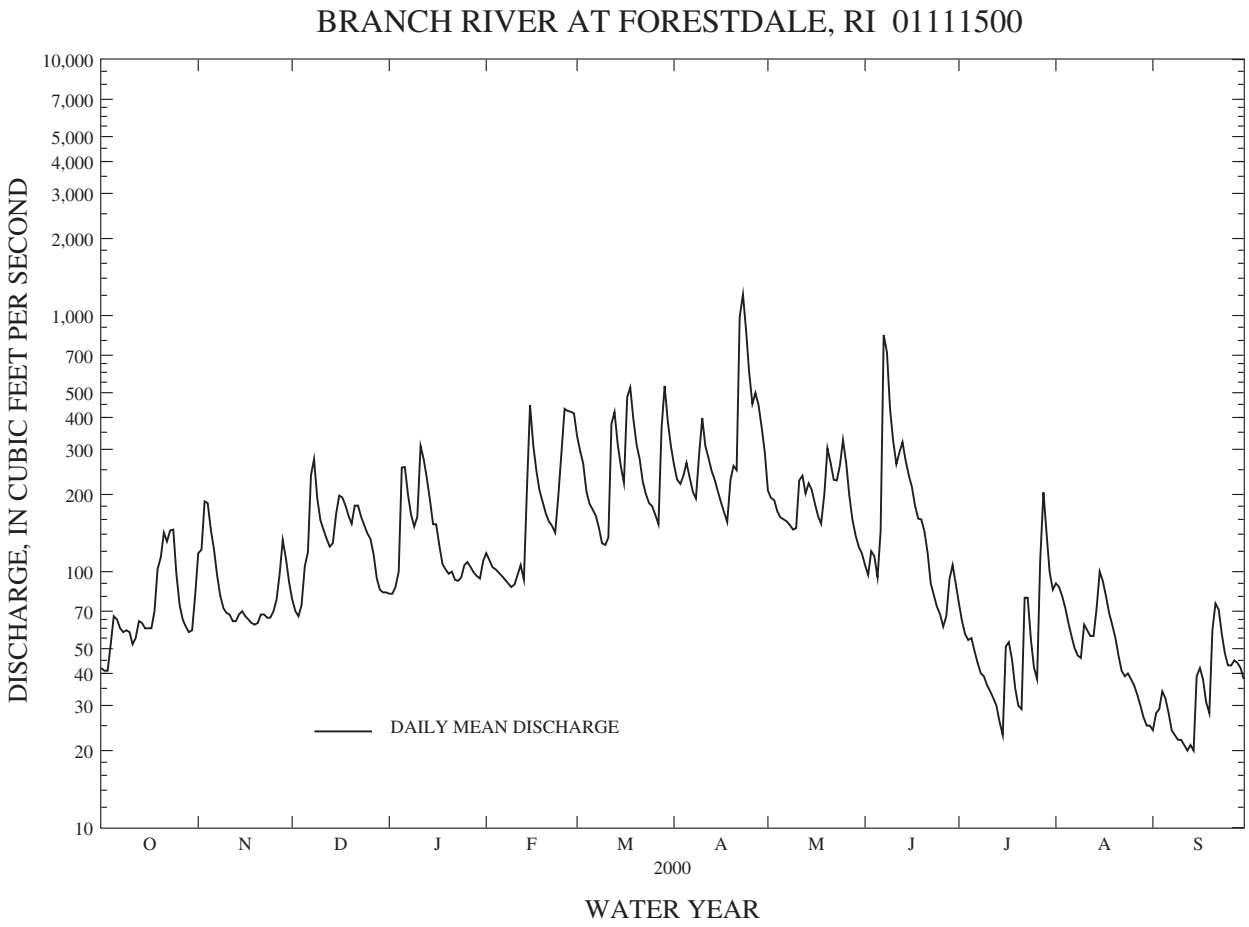
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	118	78	82	118	338	261	207	106	75	90	24
2	41	122	70	82	111	296	229	194	97	64	87	28
3	41	188	67	87	104	264	220	190	120	57	80	29
4	52	185	74	100	102	205	237	172	115	54	72	34
5	67	145	105	255	99	184	266	163	95	55	63	32
6	65	122	119	256	96	175	232	160	144	49	56	28
7	60	97	238	198	93	165	205	157	841	44	50	24
8	58	81	275	166	90	148	193	152	718	40	47	23
9	59	72	193	150	87	129	289	146	433	39	46	22
10	58	69	159	164	89	127	397	148	325	36	62	22
11	52	68	146	309	97	136	310	227	263	34	59	21
12	55	64	134	275	106	377	279	237	292	32	56	20
13	64	64	125	233	93	420	247	202	320	30	56	21
14	63	68	129	190	211	313	228	221	272	26	72	20
15	60	70	168	153	447	258	206	209	237	23	100	39
16	60	67	198	153	311	222	186	184	214	51	92	42
17	60	65	195	126	248	480	170	165	181	53	80	38
18	70	63	181	107	208	524	156	154	161	45	69	31
19	102	62	165	102	188	395	228	201	160	35	62	28
20	114	63	154	98	169	313	259	303	144	30	55	59
21	142	68	181	100	157	275	249	267	118	29	47	75
22	131	68	181	93	151	225	988	228	90	79	41	71
23	145	66	164	92	142	201	1210	227	81	79	39	57
24	146	66	152	95	196	185	881	260	73	54	40	48
25	98	70	141	106	287	180	603	327	68	42	38	43
26	74	78	134	109	432	167	452	264	61	38	36	43
27	65	98	117	104	424	153	499	198	67	110	33	45
28	61	133	94	99	421	363	448	160	94	204	30	44
29	58	112	85	96	415	531	364	138	106	142	27	42
30	59	91	83	94	---	383	291	125	90	100	25	38
31	81	---	83	110	---	308	---	118	---	85	25	---
TOTAL	2303	2703	4388	4384	5692	8440	10783	6104	6086	1834	1735	1091
MEAN	74.3	90.1	142	141	196	272	359	197	203	59.2	56.0	36.4
MAX	146	188	275	309	447	531	1210	327	841	204	100	75
MIN	41	62	67	82	87	127	156	118	61	23	25	20
CFSM	.81	.99	1.55	1.55	2.15	2.99	3.94	2.16	2.22	.65	.61	.40
IN.	.94	1.10	1.79	1.79	2.32	3.44	4.40	2.49	2.48	.75	.71	.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	98.3	157	213	229	243	339	314	201	130	59.3	59.3	62.3
MAX	479	472	565	810	581	723	877	399	710	211	372	397
(WY)	1956	1956	1973	1979	1970	1972	1987	1967	1982	1998	1955	1954
MIN	15.5	30.4	37.9	40.2	60.5	163	89.4	77.3	37.7	18.1	8.74	19.1
(WY)	1958	1966	1966	1981	1980	1989	1966	1965	1964	1965	1999	1995

01111500 BRANCH RIVER AT FORESTDALE, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	52722.4		55543			
ANNUAL MEAN	144		152		175	
HIGHEST ANNUAL MEAN					261	1984
LOWEST ANNUAL MEAN					76.5	1966
HIGHEST DAILY MEAN	1390	Feb 3	1210	Apr 23	4020	Jun 6 1982
LOWEST DAILY MEAN	5.6	Sep 4	20	Sep 12	5.2	Oct 7 1948
ANNUAL SEVEN-DAY MINIMUM	6.7	Aug 30	21	Sep 8	6.7	Aug 30 1999
INSTANTANEOUS PEAK FLOW			1380	Apr 22	5470	Jan 25 1979
INSTANTANEOUS PEAK STAGE			6.15	Apr 22	11.90	Mar 18 1968
INSTANTANEOUS LOW FLOW			19	Sep 13		
ANNUAL RUNOFF (CFSM)	1.58		1.66		1.92	
ANNUAL RUNOFF (INCHES)	21.51		22.66		26.07	
10 PERCENT EXCEEDS	309		298		378	
50 PERCENT EXCEEDS	101		106		122	
90 PERCENT EXCEEDS	11		39		26	



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 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
NOV											
16...	1330	67	739	96	11.6	6.5	6.9	108	108	10.0	6.0
JUN											
13...	1230	322	769	95	9.6	6.4	7.8	78	75	21.5	18.5
JUL											
18...	1225	46	769	92	8.1	7.0	7.4	124	121	31.0	25.5
AUG											
23...	1345	38	777	87	8.3	6.9	7.2	126	126	25.4	22.0

DATE	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 (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV											
16...	4.32	1.02	1.3	12.4	8	7	9	19.5	7.0	0.37	0.060
JUN											
13...	2.81	.61	.9	8.9	5	5	6	12.8	4.6	.38	.050
JUL											
18...	4.84	1.03	1.7	15.4	11	12	14	22.6	5.4	.44	.051
AUG											
23...	--	--	--	--	--	10	12	--	--	.38	.068

DATE	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, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV											
16...	0.186	<0.010	<0.010	<0.050	6.0	1.0	15	45	91.2	180	3
JUN											
13...	.119	<.010	<.010	<.050	6.4	1.0	16	55	91.2	180	13
JUL											
18...	.221	<.010	<.010	<.050	5.8	1.0	<10	55	91.2	180	<10
AUG											
23...	.306	<.010	<.010	<.050	4.9	1.0	--	--	91.2	180	--

01111500 BRANCH RIVER AT FORESTDALE, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)
NOV											
16...	70	11	12	--	88	--	--	<3	--	--	--
JUN											
13...	49	30	26	114	168	<1	<0.9	<3	13	<1	19
JUL											
18...	79	70	130	21	52	<1	<.9	<3	13	<1	15
AUG											
23...	--	11	16	26	43	<1	<.9	<3	14	<1	17

DATE	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)	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)
NOV										
16...	<0.1	--	--	--	390	<1	--	--	26	<0.3
JUN										
13...	<.1	<0.8	<1	2	450	E1	0.7	95	65	<.3
JUL										
18...	<.1	E.5	<1	1	840	<1	.7	56	80	<.3
AUG										
23...	<.1	E.4	<1	1	910	<1	.6	61	79	<.3

DATE	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L) (32730)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV										
16...	--	--	--	<1	--	--	--	--	<4	--
JUN										
13...	<1	<1	<0.7	<1	22.8	<0.9	<1	8	<4	<1
JUL										
18...	<1	<1	<.7	<1	35.4	<.9	<1	3	<4	<1
AUG										
23...	<1	<1	<.7	<1	34.8	<.9	<1	2	--	<1

01112500 BLACKSTONE RIVER AT WOONSOCKET, RI

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

DRAINAGE AREA.--416 mi^2.

PERIOD OF RECORD.--Discharge: February 1929 to current year.
Water-quality records: Water years 1952-53, 1957-58, 1962-67.

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

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

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

AVERAGE DISCHARGE.--71 years, 779 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,900 ft^3/s, Aug. 19, 1955, gage height, 21.80 ft, from floodmarks, from rating curve extended above 15,000 ft^3/s on basis of slope-area measurement of peak flow (affected by failure of Horseshoe Dam on Mill River); minimum daily, 21 ft^3/s, Aug. 11, 1934 (flow diverted around station in Hamlet Trench not included).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,130 ft^3/s, Apr. 23, gage height, 8.61 ft; minimum, 100 ft^3/s, Sept. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	348	384	444	375	568	1780	1350	1460	e531	394	504	138
2	276	364	e402	376	546	1520	1180	1340	542	345	464	165
3	240	836	e363	401	551	1300	1070	1250	771	309	418	163
4	288	921	e372	508	483	1120	1110	1120	685	305	e404	174
5	406	722	e387	1130	470	1010	1240	1030	578	309	374	161
6	338	601	e433	1130	457	935	1100	968	802	277	308	147
7	280	523	e898	1080	434	809	982	908	3090	252	272	137
8	243	461	1010	748	421	775	900	852	3420	235	234	129
9	234	437	e810	690	405	803	1410	785	2410	201	e207	128
10	268	417	670	731	420	728	2030	777	1830	203	291	123
11	293	417	633	1330	457	778	1660	1160	1440	190	254	109
12	264	401	571	1250	502	1810	1430	1190	1560	176	234	109
13	286	357	518	1010	456	2040	1240	1010	1670	166	217	112
14	400	345	543	845	1050	1560	1070	1200	1450	159	379	119
15	405	348	691	739	1980	1250	975	1130	1300	151	401	245
16	360	381	827	734	1480	1070	923	959	1160	327	375	339
17	429	372	768	688	1200	2070	944	841	1020	430	361	224
18	784	331	733	648	971	2250	877	770	975	306	e290	176
19	909	330	631	584	903	1860	1060	994	937	242	269	175
20	812	335	583	548	846	1580	1140	1220	815	214	235	348
21	934	378	754	531	763	e1420	1140	1220	685	184	214	389
22	807	363	780	609	715	1260	3700	1020	559	302	189	280
23	762	336	755	553	713	1180	5490	990	590	235	185	225
24	761	322	682	539	956	1060	4090	1100	520	205	222	188
25	607	334	622	521	1370	963	e3100	1440	474	186	207	184
26	544	396	578	557	1960	932	2470	e1260	429	189	176	185
27	513	514	523	536	1970	850	2440	e1060	486	508	168	227
28	469	758	466	554	1960	1720	2270	889	584	980	154	201
29	451	609	419	525	2030	2500	1930	748	509	692	146	177
30	448	547	386	500	---	e2030	1680	615	452	537	135	171
31	411	---	379	545	---	1640	---	558	---	493	140	---
TOTAL	14570	13840	18631	21515	27037	42603	52001	31864	32274	9702	8427	5648
MEAN	470	461	601	694	932	1374	1733	1028	1076	313	272	188
MAX	934	921	1010	1330	2030	2500	5490	1460	3420	980	504	389
MIN	234	322	363	375	405	728	877	558	429	151	135	109

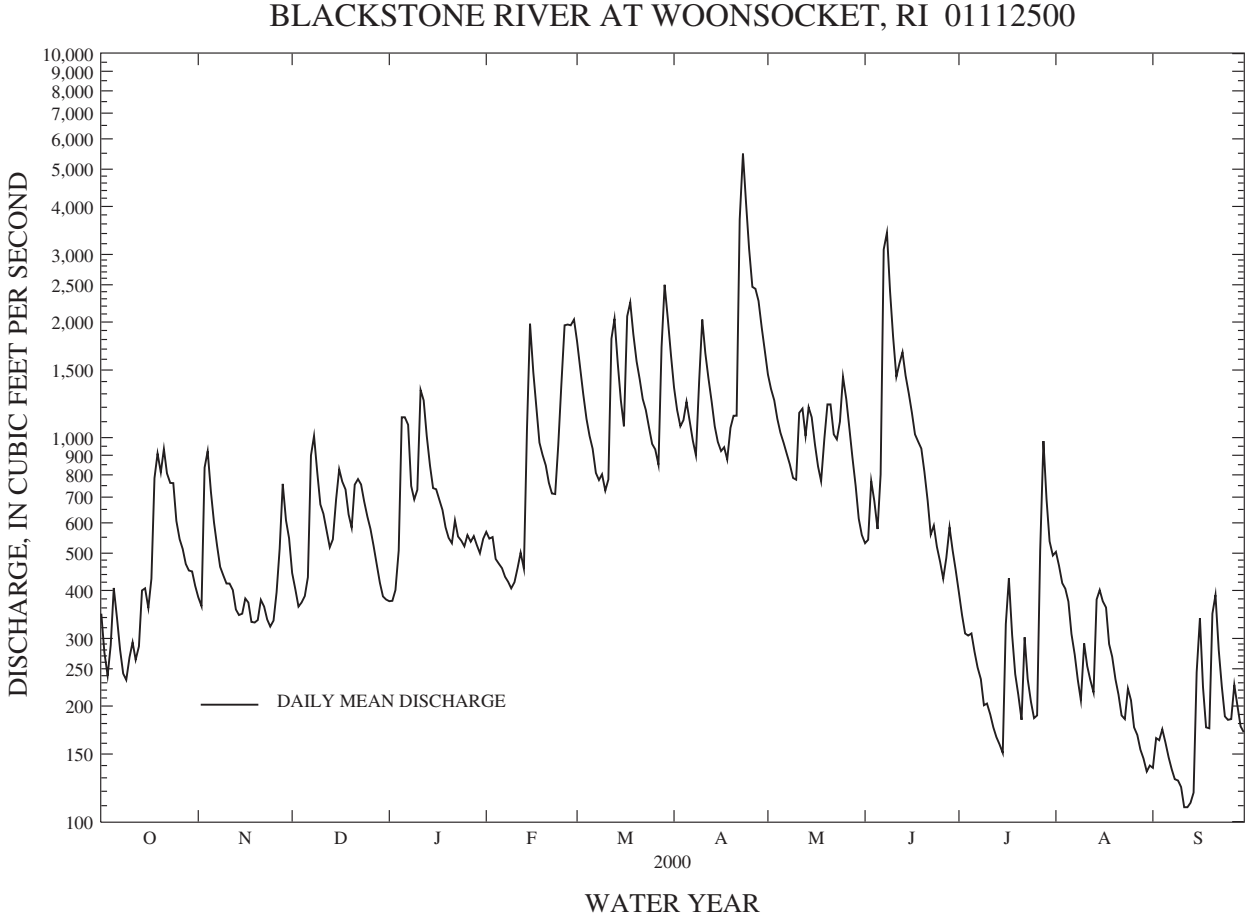
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2000, BY WATER YEAR (WY)

MEAN	430	662	868	974	1017	1509	1429	889	614	335	308	327
MAX	2007	2233	2371	3167	2493	4063	3643	1779	2826	2453	2704	1980
(WY)	1956	1956	1997	1979	1970	1936	1987	1972	1982	1938	1955	1954
MIN	123	127	186	183	262	653	479	303	136	120	71.5	104
(WY)	1998	1932	1966	1981	1980	1989	1966	1930	1999	1999	1999	1997

01112500 BLACKSTONE RIVER AT WOONSOCKET, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	239473		278112			
ANNUAL MEAN	656		760		779	
HIGHEST ANNUAL MEAN					1162	1984
LOWEST ANNUAL MEAN					345	1966
HIGHEST DAILY MEAN	4110	Feb 3	5490	Apr 23	25900	Aug 20 1955
LOWEST DAILY MEAN	48	Sep 4	109	Sep 11	21	Aug 11 1934
ANNUAL SEVEN-DAY MINIMUM	55	Aug 30	118	Sep 8	55	Aug 30 1999
INSTANTANEOUS PEAK FLOW			6130	Apr 23	32900	Aug 19 1955
INSTANTANEOUS PEAK STAGE			8.61	Apr 23	21.80	Aug 19 1955
INSTANTANEOUS LOW FLOW			100	Sep 12		
10 PERCENT EXCEEDS	1470		1470		1680	
50 PERCENT EXCEEDS	446		554		538	
90 PERCENT EXCEEDS	77		190		162	

e Estimated



01112900 BLACKSTONE RIVER AT MANVILLE, RI
(National Water Quality Assessment Site)

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. National Water Quality Assessment Site water-quality samples collected according to National Water Quality Assessment protocols.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
NOV												
18...	0845	327	763	100	12.1	7.1	7.1	355	356	8.0	6.0	13.0
JUN												
15...	0900	1,330	776	100	10.1	7.0	7.9	232	230	19.0	16.0	8.90
JUL												
20...	0820	232	773	91	7.9	7.1	7.4	393	389	22.7	22.7	13.3
AUG												
28...	1100	166	778	97	8.5	7.2	7.5	409	404	26.2	23.2	--

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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV												
18...	2.39	4.0	46.7	19	26	32	64.8	0.6	2.2	1.30	1.25	0.065
JUN												
15...	1.61	2.3	30.0	15	16	20	46.2	11.3	.91	.326	.701	.051
JUL												
20...	2.26	4.1	53.3	17	25	30	75.0	27.9	1.8	1.14	1.21	.074
AUG												
28...	--	--	--	--	28	34	--	--	2.3	1.49	1.88	.061

DATE	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, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
NOV												
18...	0.555	0.786	7.5	3.0	22	40	431	5	202	600	570	--
JUN												
15...	.122	.242	7.3	2.0	21	55	431	<10	138	96	77	36
JUL												
20...	.970	1.09	7.6	2.0	23	50	431	<10	223	710	140	12
AUG												
28...	.417	.531	6.1	2.0	--	--	431	--	--	36	190	12

01112900 BLACKSTONE RIVER AT MANVILLE, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
NOV												
18...	72	--	--	E2	--	--	--	0.2	--	--	--	490
JUN												
15...	191	<1	1.3	E2	17	<1	29	E.1	1.3	<1	3	880
JUL												
20...	110	8	2.6	3	13	<1	62	<.2	1.3	<1	5	770
AUG												
28...	62	<1	2.4	3	15	<1	93	<.3	1.3	<1	4	510

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)
NOV											
18...	E1	--	--	68	<0.3	--	--	--	<1	--	--
JUN											
15...	E1	1.0	71	89	<.3	<1	3	<0.7	<1	59.9	<0.9
JUL											
20...	E1	1.8	86	118	<.3	2	8	.8	<1	73.4	<.9
AUG											
28...	E1	1.8	65	90	<.3	3	7	<.7	<1	87.9	<.9

DATE	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	ALPHA-HCH-D6 SUR SCD 1325 BED MAT PERCENT (90504)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN I TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED MAT PERCENT (90568)
NOV											
18...	--	--	--	--	--	--	--	--	--	--	--
JUN											
15...	<1	10	--	--	--	--	--	--	--	--	--
JUL											
20...	<1	8.3	--	--	--	--	--	--	--	--	--
AUG											
28...	<1	10	<0.2	67.0	5	E14	<0.2	<0.2	<0.2	<0.2	45

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	BIPHENYL, NONACHLORO-SUR SCD 1325 PERCENT (90575)	P,P'-DDD, RECOVER IN BOTTOM MATERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOTTOM MATERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	PHENOLS TOTAL (UG/L) (32730)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV											
18...	--	--	--	--	--	--	--	--	<4	--	--
JUN											
15...	--	--	--	--	--	--	--	--	<4	--	<1
JUL											
20...	--	--	--	--	--	--	--	--	6	--	<1
AUG											
28...	<0.2	<3	<0.2	62.0	5.6	E1.6	<0.5	53	--	<160	<1

01112900 BLACKSTONE RIVER AT MANVILLE, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
(National Water Quality Assessment Site)

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											
21...	0900	1,110	759	10.6	--	236	11.1	11.5	9.26	1.76	3.1
NOV											
02...	0930	380	759	10.3	--	354	16.0	12.0	11.7	2.20	4.0
DEC											
02...	0930	417	761	11.9	7.2	326	4.1	5.0	10.4	2.17	3.4
FEB											
14...	0930	748	750	13.1	6.9	355	4.5	4.2	11.9	2.21	4.7
MAR											
28...	0950	1,820	735	10.6	7.1	235	14.0	12.0	9.09	1.55	2.2
APR											
24...	0700	4,460	745	12.0	7.3	173	6.2	7.5	6.33	1.17	2.9
JUL											
28...	0930	1,000	759	9.4	7.3	280	20.7	17.0	11.5	2.10	4.0

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)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT											
21...	29.5	--	--	44.5	0.1	4.9	16.6	0.73	1.1	0.414	0.602
NOV											
02...	40.7	--	--	62.4	.2	6.0	24.7	1.5	1.7	1.06	1.13
DEC											
02...	37.0	21	26	62.0	.2	6.2	21.0	1.5	1.7	1.02	.938
FEB											
14...	50.1	22	27	78.4	.2	7.6	17.8	2.1	2.1	1.73	.859
MAR											
28...	39.1	19	23	60.7	.1	4.2	14.1	.90	1.2	.577	.644
APR											
24...	20.5	8	9	34.7	<.1	4.7	8.1	.43	.56	.141	.382
JUL											
28...	38.4	21	25	58.5	.1	5.0	15.1	.67	.85	.205	1.20

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
21...	0.035	0.206	0.181	0.306	5.5	0.7	133	120	51	11	82
NOV											
02...	.070	.349	.303	.451	5.7	.4	182	210	86	4	67
DEC											
02...	.027	.592	.509	.711	6.1	.4	169	220	58	4	64
FEB											
14...	.023	.280	.263	.364	4.6	.9	203	130	108	7	83
MAR											
28...	.040	.264	.246	.424	4.0	.9	154	120	53	65	96
APR											
24...	<.010	.034	.022	.041	7.8	.6	98	140	48	13	67
JUL											
28...	.017	.229	.188	.380	4.7	.8	163	270	75	12	95

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 mi^2.

PERIOD OF RECORD.--July 1999 to September 2000.

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.

EXTREMES FOR THE PERIOD JULY 1999 TO SEPTEMBER 2000.--Maximum discharge, 57 ft^3/s, Apr. 23, gage height, 2.74 ft; minimum, no flow, many days in July, Aug; Sept. 1999 and Sept. 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.00	0.00
2	---	---	---	---	---	---	---	---	---	---	.00	.00
3	---	---	---	---	---	---	---	---	---	---	.00	.00
4	---	---	---	---	---	---	---	---	---	---	.00	.00
5	---	---	---	---	---	---	---	---	---	---	.00	.00
6	---	---	---	---	---	---	---	---	---	---	.00	.00
7	---	---	---	---	---	---	---	---	---	---	.00	.00
8	---	---	---	---	---	---	---	---	---	---	.00	.00
9	---	---	---	---	---	---	---	---	---	---	.00	.00
10	---	---	---	---	---	---	---	---	---	---	.00	8.2
11	---	---	---	---	---	---	---	---	---	---	.00	4.6
12	---	---	---	---	---	---	---	---	---	---	.00	.95
13	---	---	---	---	---	---	---	---	---	---	.00	.63
14	---	---	---	---	---	---	---	---	---	---	.01	.55
15	---	---	---	---	---	---	---	---	---	---	.01	.80
16	---	---	---	---	---	---	---	---	---	---	.00	5.6
17	---	---	---	---	---	---	---	---	---	---	.00	9.3
18	---	---	---	---	---	---	---	---	---	---	.00	8.5
19	---	---	---	---	---	---	---	---	---	---	.00	6.4
20	---	---	---	---	---	---	---	---	---	---	.00	4.9
21	---	---	---	---	---	---	---	---	---	---	.00	4.1
22	---	---	---	---	---	---	---	---	---	---	.00	3.6
23	---	---	---	---	---	---	---	---	---	---	.00	3.1
24	---	---	---	---	---	---	---	---	---	---	.00	2.8
25	---	---	---	---	---	---	---	---	---	---	.00	2.5
26	---	---	---	---	---	---	---	---	---	---	.00	1.7
27	---	---	---	---	---	---	---	---	---	---	.00	1.4
28	---	---	---	---	---	---	---	---	---	---	.00	1.4
29	---	---	---	---	---	---	---	---	---	---	.00	1.4
30	---	---	---	---	---	---	---	---	---	0.00	.00	2.4
31	---	---	---	---	---	---	---	---	---	.00	.00	---
TOTAL	---	---	---	---	---	---	---	---	---	---	0.02	74.83
MEAN	---	---	---	---	---	---	---	---	---	---	.001	2.49
MAX	---	---	---	---	---	---	---	---	---	---	.01	9.3
MIN	---	---	---	---	---	---	---	---	---	---	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	.001	2.49
MAX	---	---	---	---	---	---	---	---	---	---	.001	2.49
(WY)	---	---	---	---	---	---	---	---	---	---	1999	1999
MIN	---	---	---	---	---	---	---	---	---	---	.001	2.49
(WY)	---	---	---	---	---	---	---	---	---	---	1999	1999

SUMMARY STATISTICS	WATER YEAR 1999	
HIGHEST DAILY MEAN	9.3	Sep 17 1999
LOWEST DAILY MEAN	.00	Jul 30 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 30 1999
INSTANTANEOUS LOW FLOW	.00	Jul 29 1999
10 PERCENT EXCEEDS	4.8	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

01113695 CATAMINT BROOK AT CUMBERLAND, RI--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	3.2	4.1	3.8	5.4	15	13	13	4.8	2.6	3.1	0.80
2	1.7	3.2	3.6	3.9	5.0	13	11	12	4.9	2.0	3.2	.79
3	1.4	11	3.6	4.2	4.8	12	10	11	6.1	1.6	2.8	.68
4	2.5	10	4.1	5.0	4.5	10	11	10	5.0	1.5	2.4	.62
5	3.3	7.5	4.2	11	4.3	9.6	11	9.7	4.4	1.7	1.8	.49
6	2.9	6.3	4.5	9.4	4.4	8.9	9.7	9.1	8.2	1.4	1.4	.36
7	2.4	5.6	11	8.0	4.4	7.9	8.7	8.2	26	1.2	1.2	.33
8	1.9	5.1	11	6.8	4.1	7.3	7.6	8.0	20	1.1	1.1	.30
9	1.8	4.8	8.9	6.2	4.0	6.7	12	8.0	15	1.2	1.0	.29
10	1.9	4.9	7.4	8.0	4.1	6.7	12	7.8	11	.94	2.2	.25
11	2.3	4.7	6.8	13	4.5	7.5	9.9	13	8.2	.87	1.5	.21
12	2.0	4.4	5.8	11	4.6	18	9.3	11	9.4	.85	1.5	.17
13	1.7	4.5	5.3	e9.0	4.4	17	7.9	9.7	8.4	.85	1.3	.16
14	2.5	4.5	5.6	e8.0	15	13	7.0	10	7.4	.78	3.1	.06
15	2.3	4.5	7.6	6.8	20	11	6.7	8.9	6.6	.72	3.0	1.5
16	1.9	4.2	8.2	e6.0	14	9.9	8.0	7.4	6.1	1.5	2.9	.42
17	1.8	3.9	7.3	e5.4	12	20	7.8	6.4	5.5	.86	2.7	.23
18	4.9	3.6	6.4	e5.0	10	18	7.5	6.0	5.1	.89	2.1	.16
19	5.0	3.5	5.8	e4.5	9.9	15	9.8	8.8	5.0	.81	1.9	.37
20	5.7	3.6	5.5	e4.3	8.5	14	9.4	10	4.6	.70	1.6	1.5
21	6.9	4.1	7.6	e4.2	7.7	12	9.6	8.9	4.0	.64	1.3	.82
22	5.6	3.9	7.0	e4.0	7.1	11	38	7.4	3.6	2.5	1.1	.73
23	5.6	3.8	6.2	e4.1	7.6	10	43	8.2	3.4	.86	1.4	.64
24	5.1	3.6	5.7	e4.5	10	9.6	32	12	3.0	.74	2.4	.59
25	4.5	3.7	5.2	e5.0	14	8.6	24	13	2.5	.67	2.2	.49
26	4.1	3.8	4.7	e6.0	20	8.3	22	10	2.2	.79	2.0	.59
27	3.9	5.2	4.5	e5.0	19	7.3	23	7.7	2.8	3.7	1.8	.82
28	3.6	5.9	4.2	e4.5	19	20	20	6.4	4.2	2.5	1.7	.72
29	3.5	5.1	4.1	e4.6	17	24	17	5.9	3.8	1.8	1.5	.60
30	3.4	4.5	4.0	e4.5	---	19	15	5.3	3.3	1.6	1.7	.50
31	3.3	---	3.9	6.8	---	15	---	5.0	---	3.0	1.1	---
TOTAL	101.4	146.6	183.8	192.5	269.3	385.3	432.9	277.8	204.5	42.87	60.0	16.19
MEAN	3.27	4.89	5.93	6.21	9.29	12.4	14.4	8.96	6.82	1.38	1.94	.54
MAX	6.9	11	11	13	20	24	43	13	26	3.7	3.2	1.5
MIN	1.4	3.2	3.6	3.8	4.0	6.7	6.7	5.0	2.2	.64	1.0	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	3.27	4.89	5.93	6.21	9.29	12.4	14.4	8.96	6.82	1.38	.97	1.52
MAX	3.27	4.89	5.93	6.21	9.29	12.4	14.4	8.96	6.82	1.38	1.94	2.49
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999
MIN	3.27	4.89	5.93	6.21	9.29	12.4	14.4	8.96	6.82	1.38	.001	.54
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	2000

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	2313.16			
ANNUAL MEAN	6.32		6.32	
HIGHEST ANNUAL MEAN			6.32	2000
LOWEST ANNUAL MEAN			6.32	2000
HIGHEST DAILY MEAN	43	Apr 23	43	Apr 23 2000
LOWEST DAILY MEAN	.06	Sep 14	.00	Jul 30 1999
ANNUAL SEVEN-DAY MINIMUM	.21	Sep 8	.00	Jul 30 1999
INSTANTANEOUS PEAK FLOW	57	Apr 23	57	Apr 23 2000
INSTANTANEOUS PEAK STAGE	2.74	Apr 23	2.74	Apr 23 2000
INSTANTANEOUS LOW FLOW	.00	Sep 14		
10 PERCENT EXCEEDS	13		12	
50 PERCENT EXCEEDS	4.8		4.4	
90 PERCENT EXCEEDS	.84		.07	

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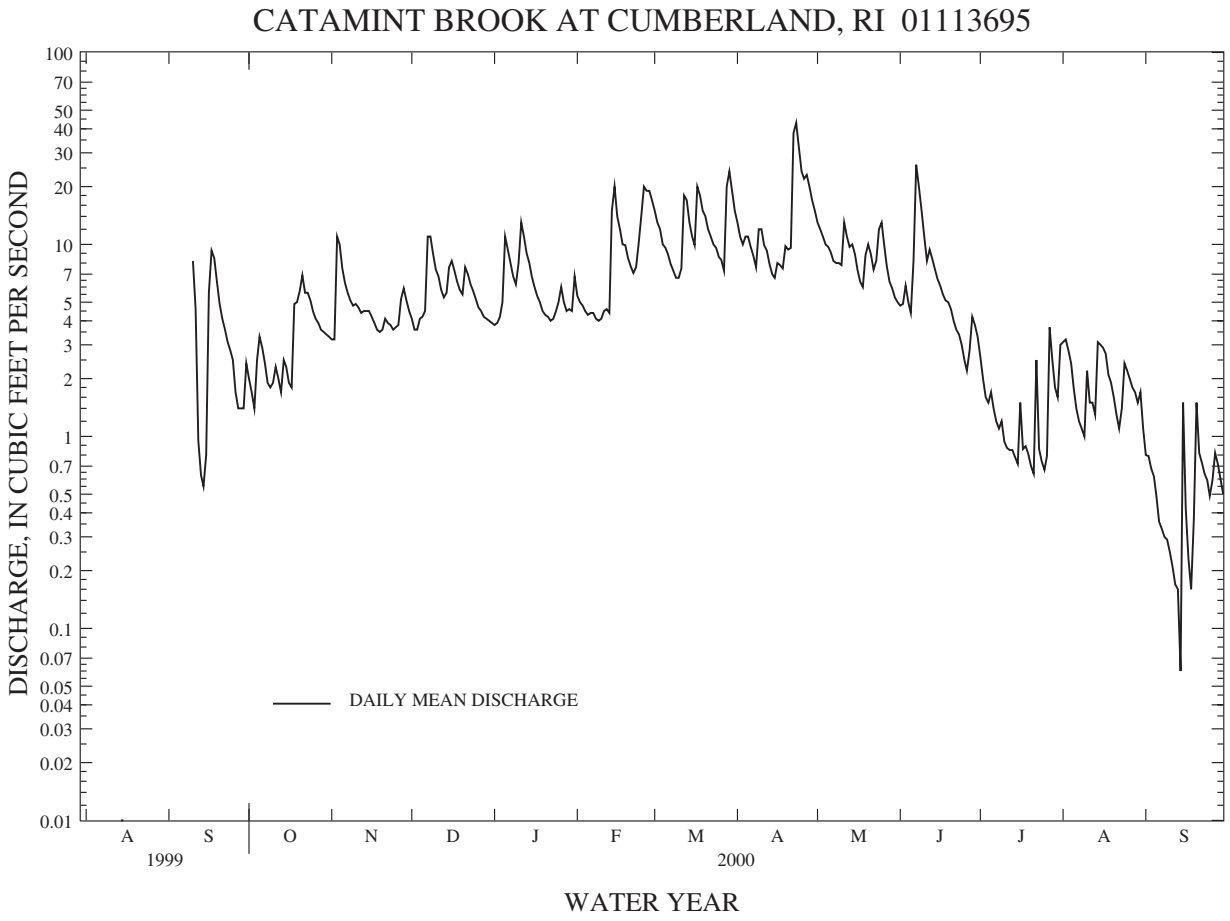
01113695 CATAMINT BROOK AT CUMBERLAND, RI--Continued



01114000 MOSHASSUCK RIVER AT PROVIDENCE, RI

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

DRAINAGE AREA.--23.1 mi^2.

PERIOD OF RECORD.--Discharge: June 1963 to current year.
Water-quality records: Water year 1971.

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

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

AVERAGE DISCHARGE.--37 years, 40.6 ft^3/s, 23.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,390 ft^3/s, Mar. 18, 1968, gage height, 3.46 ft, present datum, from rating curve extended above 460 ft^3/s; maximum gage height, 5.81 ft, July 30, 1976; minimum discharge, 1.3 ft^3/s, Aug. 23, 1970; minimum daily, 1.7 ft^3/s, Aug. 10, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 761 ft^3/s, Nov. 3, gage height, 4.64 ft; minimum, 4.1 ft^3/s, Sept.7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	18	20	20	34	50	51	51	26	18	27	8.3
2	17	20	18	20	29	47	46	50	53	14	19	9.4
3	15	223	16	21	25	43	44	48	46	14	21	39
4	62	65	17	61	24	40	64	44	29	14	22	37
5	48	38	18	120	23	38	56	40	25	15	14	13
6	27	32	25	46	22	35	45	36	123	11	12	9.9
7	19	28	115	35	22	32	42	34	199	11	12	8.6
8	16	24	57	29	20	31	41	37	85	10	11	8.2
9	15	24	35	27	22	31	76	35	56	10	11	8.2
10	23	23	30	123	24	31	50	59	44	10	45	8.1
11	22	21	28	99	26	86	40	115	44	10	15	8.0
12	20	21	23	53	26	171	40	57	56	11	12	7.8
13	17	21	23	46	25	85	34	44	43	12	13	8.7
14	38	21	32	38	250	57	32	53	35	9.6	62	6.7
15	21	22	55	e33	123	48	31	38	34	10	24	74
16	17	21	43	e30	63	45	54	32	33	57	29	20
17	16	18	33	e28	50	158	42	29	43	17	19	13
18	97	19	28	e27	42	82	48	35	34	13	13	12
19	39	15	26	e25	44	62	56	90	33	12	14	43
20	91	20	25	e24	40	56	45	62	27	11	14	71
21	64	23	43	e23	36	51	73	44	23	11	13	21
22	38	19	32	e22	35	47	430	38	21	9.7	11	14
23	39	17	28	e22	41	44	213	57	20	9.3	13	9.8
24	30	17	25	e23	53	42	125	118	17	12	13	9.6
25	25	22	23	e25	77	39	92	70	18	9.3	11	9.3
26	23	20	22	e28	95	39	99	46	19	13	10	19
27	23	44	22	e25	73	36	93	37	43	69	9.8	15
28	21	34	21	e23	71	222	74	32	32	29	9.3	10
29	19	24	20	e22	60	125	65	29	23	19	8.8	8.9
30	20	22	20	23	---	72	58	27	21	13	8.6	8.3
31	18	---	20	59	---	60	---	27	---	35	8.6	---
TOTAL	965	936	943	1200	1475	2005	2259	1514	1305	518.9	525.1	538.8
MEAN	31.1	31.2	30.4	38.7	50.9	64.7	75.3	48.8	43.5	16.7	16.9	18.0
MAX	97	223	115	123	250	222	430	118	199	69	62	74
MIN	15	15	16	20	20	31	31	27	17	9.3	8.6	6.7
CFSM	1.35	1.35	1.32	1.68	2.20	2.80	3.26	2.11	1.88	.72	.73	.78
IN.	1.55	1.51	1.52	1.93	2.38	3.23	3.64	2.44	2.10	.84	.85	.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2000, BY WATER YEAR (WY)

MEAN	23.0	36.8	49.2	54.0	53.1	69.1	65.0	45.3	33.4	18.9	19.9	19.7
MAX	69.0	118	143	174	93.8	141	160	104	125	42.2	53.8	50.1
(WY)	1978	1973	1973	1979	1984	1968	1983	1967	1982	1998	1986	1972
MIN	6.36	10.6	10.6	12.9	18.3	29.0	22.9	24.2	10.6	8.07	7.27	5.09
(WY)	1995	1966	1966	1981	1980	1985	1966	1965	1999	1999	1970	1970

01114000 MOSHASSUCK RIVER AT PROVIDENCE, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1963 - 2000	
ANNUAL TOTAL	13978.2		14184.8			
ANNUAL MEAN	38.3		38.8		40.6	
HIGHEST ANNUAL MEAN					62.5	1973
LOWEST ANNUAL MEAN					20.2	1981
HIGHEST DAILY MEAN	312	Feb 3	430	Apr 22	1750	Mar 18 1968
LOWEST DAILY MEAN	4.2	Aug 20	6.7	Sep 14	1.7	Aug 10 1970
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 1	8.0	Sep 8	2.6	Aug 4 1970
INSTANTANEOUS PEAK FLOW			761	Nov 3	2390	Mar 18 1968
INSTANTANEOUS PEAK STAGE			4.64	Nov 3	5.81	Jul 30 1976
INSTANTANEOUS LOW FLOW			4.1	Sep 7	1.3	Aug 23 1970
ANNUAL RUNOFF (CFSM)	1.66		1.68		1.76	
ANNUAL RUNOFF (INCHES)	22.51		22.84		23.86	
10 PERCENT EXCEEDS	79		71		80	
50 PERCENT EXCEEDS	24		28		28	
90 PERCENT EXCEEDS	5.7		11		8.4	

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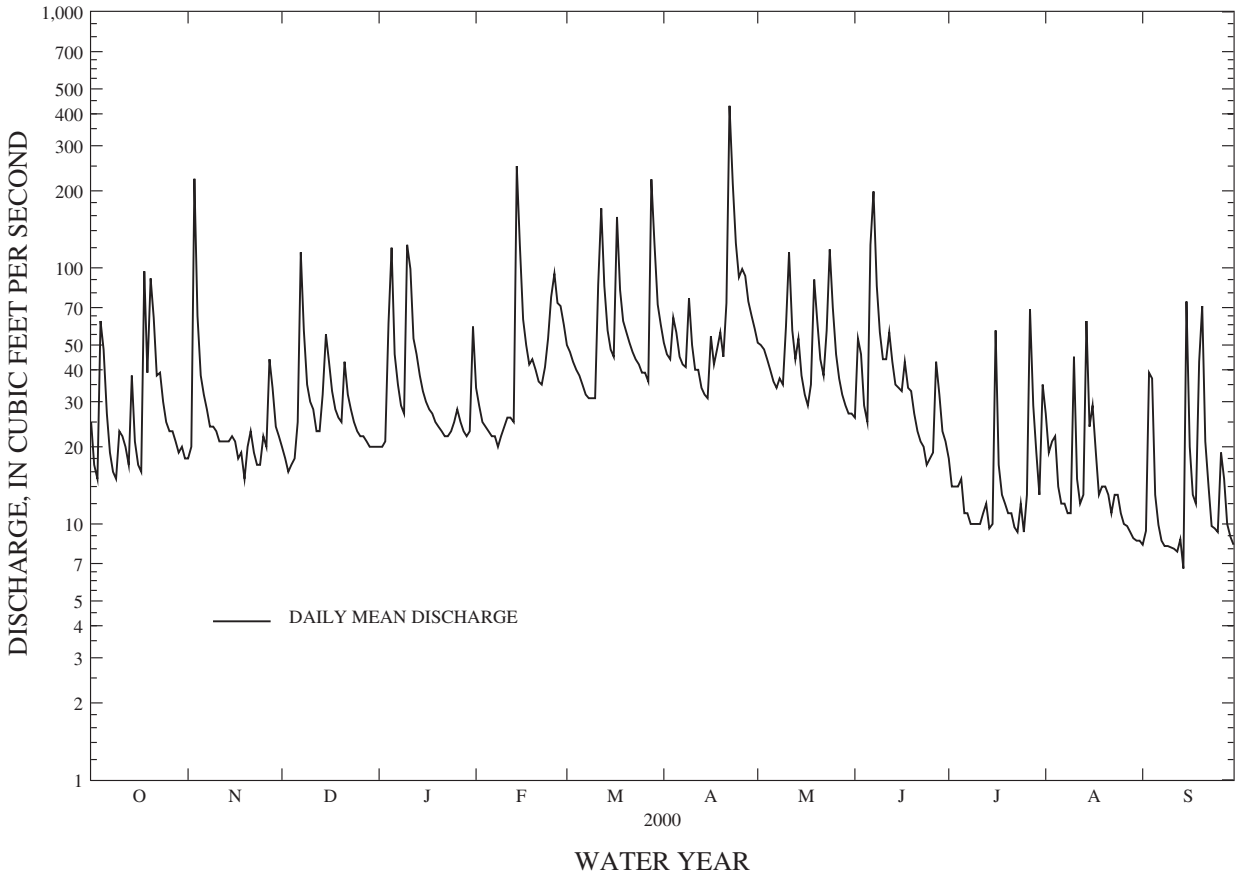
MOSHASSUCK RIVER AT PROVIDENCE, RI 01114000



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 mi^2.

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 except those for estimated daily discharge, which are poor. 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.--59 years, 73.7 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,520 ft^3/s, June 30, 1998, gage height, 7.26, maximum gage height, 7.75 ft, Mar. 18, 1968, from floodmarks; minimum daily, 2.1 ft^3/s, Aug. 26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge during March 1936, 1,000 ft^3/s, by computation of flow over dam 0.7 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 497 ft^3/s, Apr. 22, gage height, 4.20 ft; minimum, 2.6 ft^3/s, Jan.2, 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	70	79	42	46	112	154	132	86	11	38	12
2	75	71	104	13	43	103	131	125	48	14	36	13
3	74	107	117	10	40	95	115	114	48	16	35	15
4	98	79	112	18	40	88	118	99	37	15	35	18
5	88	75	106	40	39	83	116	92	32	13	31	15
6	59	74	101	47	38	80	101	67	72	13	29	14
7	53	72	191	49	36	78	93	61	201	12	29	13
8	50	71	151	52	35	78	89	63	185	12	29	13
9	45	70	130	48	34	77	127	72	166	12	27	12
10	51	69	117	59	30	76	116	100	137	11	25	12
11	52	69	114	87	30	91	111	145	112	11	15	12
12	48	69	108	81	30	175	108	129	122	9.9	13	12
13	47	70	107	78	28	112	100	115	117	9.7	13	12
14	55	70	110	74	119	94	97	114	100	9.7	30	11
15	46	70	127	70	91	84	96	100	89	10	18	32
16	28	70	122	70	59	69	109	96	84	21	18	21
17	25	69	111	e68	51	142	102	94	84	14	17	35
18	59	69	107	66	46	117	101	95	81	17	14	38
19	41	68	103	65	55	117	113	130	78	19	15	41
20	56	69	103	64	66	115	103	117	74	17	14	66
21	60	70	118	64	69	109	112	103	68	17	13	43
22	44	70	95	62	72	101	383	99	34	21	13	40
23	56	72	88	61	85	96	336	117	27	18	13	39
24	50	79	87	61	91	92	321	139	23	17	14	39
25	45	78	84	64	100	90	264	123	21	16	13	38
26	43	78	83	64	134	85	231	107	20	19	12	32
27	42	83	83	60	122	80	219	101	24	51	12	33
28	41	78	82	58	122	275	189	97	20	39	12	28
29	40	77	79	45	126	290	167	96	16	33	12	27
30	40	77	76	40	---	237	148	95	14	32	12	26
31	56	---	68	48	---	187	---	93	---	43	12	---
TOTAL	1647	2213	3263	1728	1877	3628	4570	3230	2220	573.3	619	762
MEAN	53.1	73.8	105	55.7	64.7	117	152	104	74.0	18.5	20.0	25.4
MAX	98	107	191	87	134	290	383	145	201	51	38	66
MIN	25	68	68	10	28	69	89	61	14	9.7	12	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	39.3	59.7	85.6	93.3	104	140	130	86.7	56.9	31.6	28.5	30.3
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

01114500 WOONASQUATUCKET RIVER AT CENTERDALE, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	26929.9		26330.3			
ANNUAL MEAN	73.8		71.9		73.7	
HIGHEST ANNUAL MEAN					119	1984
LOWEST ANNUAL MEAN					31.5	1966
HIGHEST DAILY MEAN	495	Feb 3	383	Apr 22	1250	Mar 18 1968
LOWEST DAILY MEAN	7.6	Aug 4	9.7	Jul 13	2.1	Aug 26 1963
ANNUAL SEVEN-DAY MINIMUM	8.0	Aug 1	10	Jul 9	3.1	Aug 21 1963
INSTANTANEOUS PEAK FLOW			497	Apr 22	1520	Jun 30 1998
INSTANTANEOUS PEAK STAGE			4.20	Apr 22	7.75	Mar 18 1968
INSTANTANEOUS LOW FLOW			2.6	Jan 2		
10 PERCENT EXCEEDS	146		122		151	
50 PERCENT EXCEEDS	61		69		51	
90 PERCENT EXCEEDS	11		14		17	

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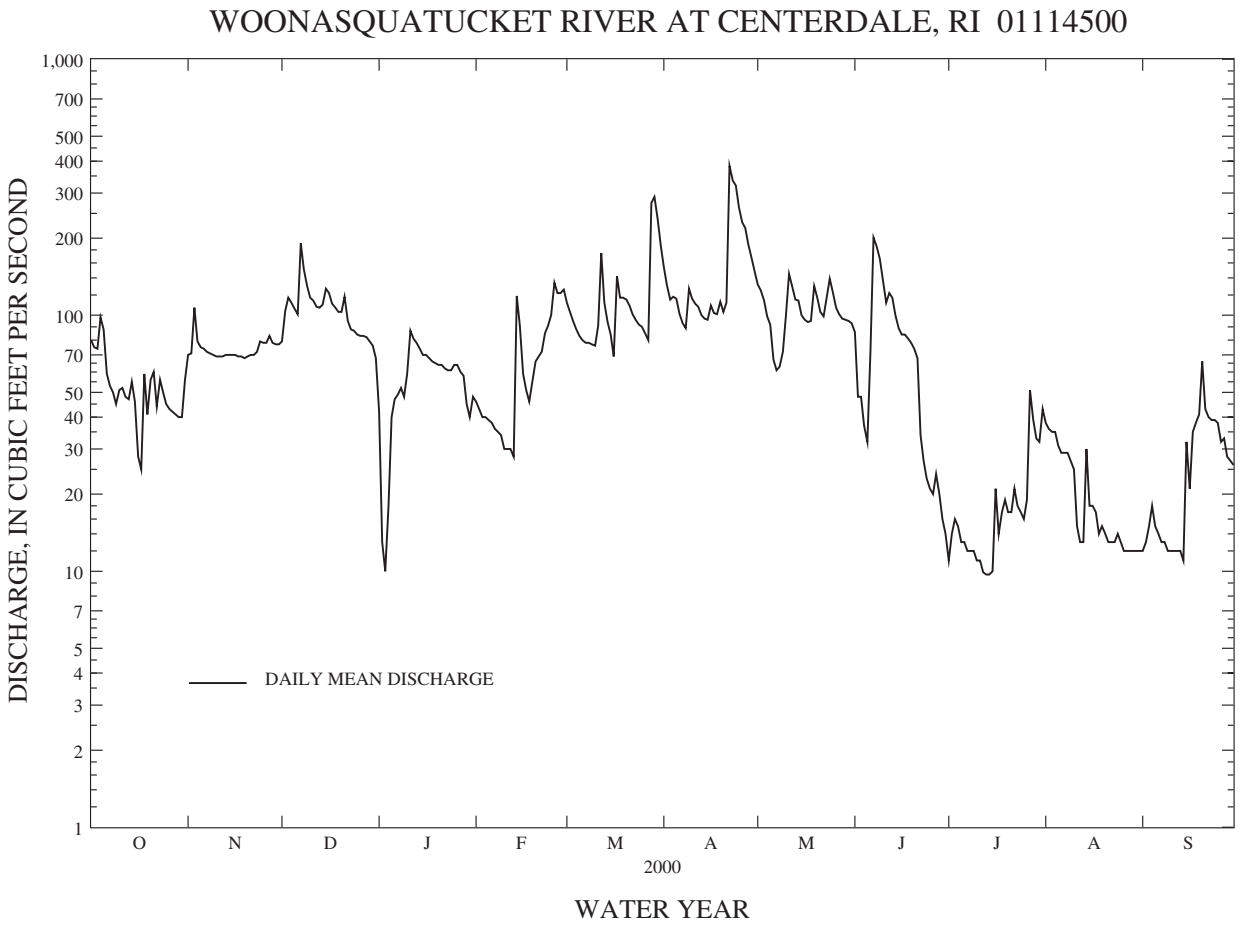


01115098 PEEPTOAD BROOK AT ELMDALE ROAD NEAR NORTH SCITUATE, RI

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 mi^2.

WATER DISCHARGE RECORDS

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

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

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

AVERAGE DISCHARGE.--6 years, 10.7 ft^3/s, 29.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 180 ft^3/s, Oct. 20, 1996, gage height, 2.40 ft; no flow Sept. 13, 16, 17, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 94 ft^3/s, Apr. 22, gage height, 2.21 ft; minimum, 0.37 ft^3/s, Sept. 12-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	5.6	6.7	e6.2	7.9	16	16	14	5.6	2.8	2.8	0.66
2	3.3	5.5	5.8	e6.2	7.3	14	14	13	5.4	2.5	2.6	.64
3	2.9	20	5.5	e7.0	6.3	13	13	12	7.4	2.2	2.4	.70
4	4.9	21	5.4	e15	5.9	12	15	10	6.3	2.1	2.3	.72
5	7.8	14	5.2	e25	5.5	11	18	9.8	5.2	2.0	1.9	.66
6	6.7	11	5.4	e15	5.3	10	14	9.4	9.5	1.7	1.6	.58
7	5.3	8.8	20	e11	5.1	9.6	12	8.9	53	1.6	1.4	.54
8	4.5	7.9	27	e9.0	4.9	9.2	11	8.4	29	1.4	1.2	.49
9	4.2	7.5	15	e12	4.8	9.0	18	8.5	15	1.3	1.0	.48
10	4.3	7.4	12	e20	4.9	8.9	23	10	12	1.3	1.5	.49
11	5.2	7.2	11	e30	5.8	10	15	20	12	1.2	1.6	.45
12	4.7	6.7	9.1	e19	6.7	37	14	15	25	1.0	1.3	.39
13	4.3	6.7	8.4	e14	6.1	29	12	11	19	.98	1.2	.42
14	6.6	6.6	8.9	e10	29	17	e11	11	14	.92	2.5	.39
15	7.8	6.6	14	e9.2	45	14	11	9.4	12	.93	2.9	1.1
16	7.0	6.1	17	e8.6	23	13	11	7.9	11	2.3	3.0	1.1
17	5.9	5.8	13	e8.4	17	36	e11	6.9	9.3	2.0	2.8	.74
18	12	5.4	11	e8.2	13	33	e10	6.6	8.8	1.6	2.2	.61
19	15	5.2	9.3	e7.6	13	21	19	13	8.1	1.4	1.9	.54
20	16	5.2	8.5	e7.4	12	18	18	18	7.1	1.2	1.6	1.2
21	21	5.9	12	e7.0	11	16	15	13	6.1	1.1	1.3	.95
22	16	6.0	12	e6.8	10	15	72	10	5.2	1.1	1.1	.70
23	15	5.8	10	e6.6	11	14	54	13	4.7	1.0	.97	.58
24	13	5.6	9.1	e6.4	16	12	35	18	4.2	.91	1.1	.58
25	11	5.5	7.9	e7.0	22	12	24	20	3.7	.88	.97	.54
26	9.3	5.6	7.2	e8.0	31	11	23	12	3.4	.95	.86	.57
27	8.5	8.0	7.1	e7.0	26	10	27	9.5	3.6	2.0	.77	.80
28	7.6	11	6.5	e6.2	22	42	21	8.0	4.1	2.5	.72	.70
29	7.2	9.6	6.2	e6.0	e17	46	18	7.2	3.6	2.2	.70	.57
30	6.7	7.9	6.1	e7.0	---	27	16	6.6	3.3	1.9	.67	.50
31	6.5	---	e6.0	e12	---	19	---	6.1	---	2.7	.68	---
TOTAL	253.9	241.1	308.3	328.8	394.5	564.7	591	346.2	316.6	49.67	49.54	19.39
MEAN	8.19	8.04	9.95	10.6	13.6	18.2	19.7	11.2	10.6	1.60	1.60	.65
MAX	21	21	27	30	45	46	72	20	53	2.8	3.0	1.2
MIN	2.9	5.2	5.2	6.0	4.8	8.9	10	6.1	3.3	.88	.67	.39
CFSM	1.65	1.62	2.01	2.14	2.74	3.67	3.97	2.25	2.13	.32	.32	.13
IN.	1.90	1.81	2.31	2.47	2.96	4.24	4.43	2.60	2.37	.37	.37	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

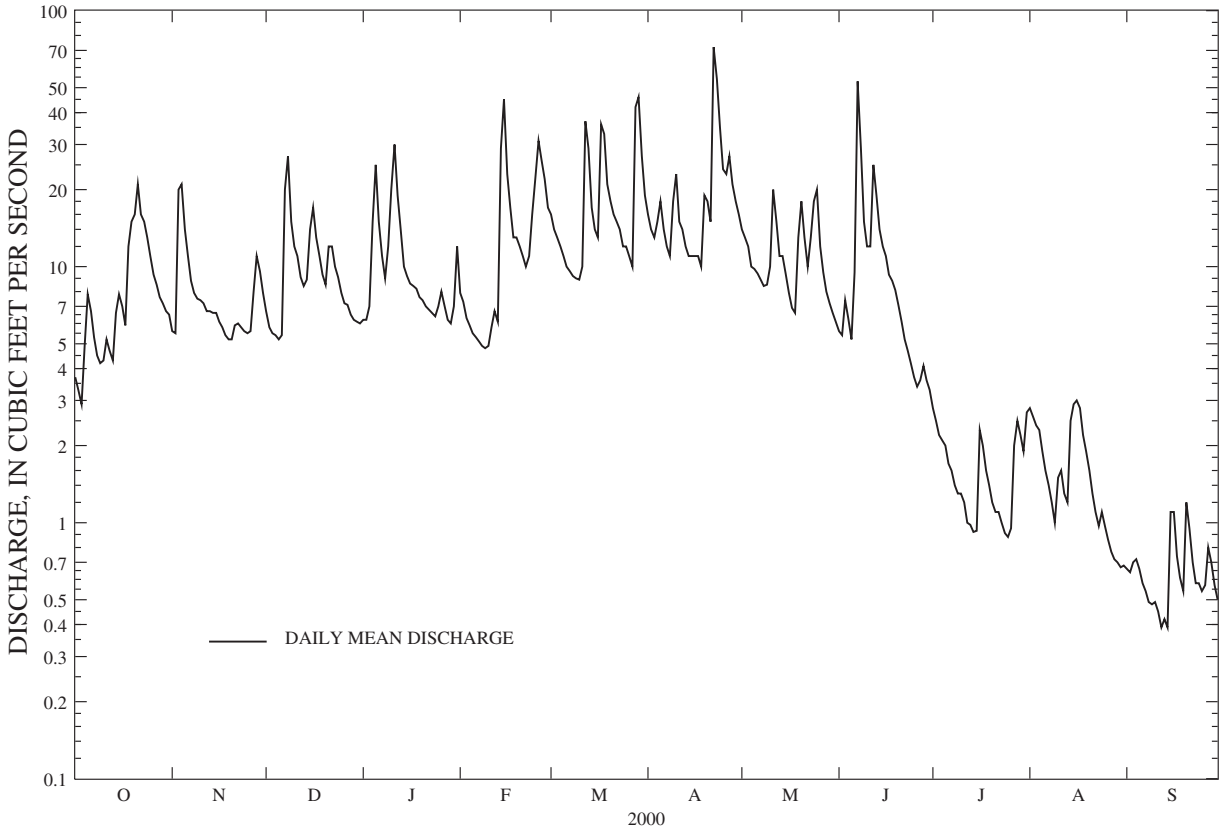
MEAN	5.13	8.57	12.3	18.6	17.7	20.7	19.4	13.0	7.53	3.05	1.07	1.80
MAX	15.7	14.4	33.6	23.9	22.4	29.3	30.2	23.5	21.1	11.0	2.00	4.59
(WY)	1997	1996	1997	1996	1998	1998	1997	1998	1998	1998	1994	1999
MIN	.51	3.44	3.08	10.6	10.9	16.2	9.40	8.41	1.87	.58	.11	.21
(WY)	1998	1999	1999	2000	1995	1995	1999	1999	1999	1995	1999	1995

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	3667.03		3463.70			
ANNUAL MEAN	10.0		9.46		10.7	
HIGHEST ANNUAL MEAN					14.1	1998
LOWEST ANNUAL MEAN					7.17	1995
HIGHEST DAILY MEAN	96	Feb 3	72	Apr 22	117	Jan 20 1996
LOWEST DAILY MEAN	.02	Aug 11	.39	Sep 12	.00	Sep 16 1995
ANNUAL SEVEN-DAY MINIMUM	.03	Aug 8	.44	Sep 8	.01	Sep 10 1995
INSTANTANEOUS PEAK FLOW			94	Apr 22	180	Oct 20 1996
INSTANTANEOUS PEAK STAGE			2.21	Apr 22	2.48	Jul 1 1998
INSTANTANEOUS LOW FLOW			.37	Sep 12	.00	Sep 13 1995
ANNUAL RUNOFF (CFSM)	2.03		1.91		2.16	
ANNUAL RUNOFF (INCHES)	27.50		25.98		29.33	
10 PERCENT EXCEEDS	22		19		24	
50 PERCENT EXCEEDS	7.0		7.2		6.7	
90 PERCENT EXCEEDS	.25		.94		.55	

e Estimated

PEEPTOAD BROOK, ELMDALE RD, NEAR NORTH SCITUATE, RI 01115098



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

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 2000.
WATER TEMPERATURE: January to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD JANUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded,165 µS/cm, Feb. 14; minimum, 81 µS/cm, Apr. 22.
WATER TEMPERATURE: Maximum recorded, 27.2°C, Aug. 10; minimum, 0.2°C, Feb. 19.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	121	120	121
30	---	---	---	---	---	---	---	---	---	120	119	119
31	---	---	---	---	---	---	---	---	---	120	115	118
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	121	114	116	106	102	104	118	110	112	98	95	96
2	131	121	128	105	104	104	114	109	112	100	96	98
3	130	127	128	106	103	104	114	111	113	99	96	97
4	127	121	123	105	102	103	114	109	112	106	96	99
5	122	120	121	105	102	104	113	110	111	125	99	101
6	124	121	122	105	103	104	110	109	109	104	101	102
7	125	124	124	107	104	106	113	109	111	105	100	103
8	127	124	125	106	103	105	115	111	113	106	103	105
9	127	125	125	108	104	106	115	111	113	107	103	105
10	128	126	127	110	108	109	111	108	110	107	102	104
11	131	128	130	108	105	107	110	108	109	102	98	101
12	132	130	131	105	102	104	114	109	112	101	97	99
13	133	129	131	109	102	106	116	112	113	104	100	102
14	165	105	128	110	106	109	114	111	113	104	100	102
15	114	98	105	111	109	110	117	113	115	105	102	104
16	117	113	115	113	110	111	117	114	116	106	104	105
17	116	112	114	110	104	107	119	113	116	105	102	104
18	113	106	108	116	104	112	114	111	113	106	103	104
19	107	102	104	114	112	114	111	109	110	106	101	104
20	112	105	107	115	112	113	114	108	110	102	99	101
21	116	110	112	115	112	113	117	110	113	102	99	100
22	117	113	114	114	112	113	110	81	95	105	101	103
23	121	115	117	114	110	113	98	91	96	104	100	102
24	121	118	120	116	110	112	122	97	99	104	99	101
25	118	114	116	115	112	114	102	98	100	104	97	101
26	116	114	115	119	114	116	98	95	96	106	102	104
27	116	113	115	118	115	116	96	91	93	107	105	106
28	113	106	108	116	98	108	94	89	92	109	105	106
29	106	103	105	111	97	105	97	90	93	108	105	107
30	---	---	---	111	109	110	102	93	96	110	107	108
31	---	---	---	114	109	111	---	---	---	112	108	109
MONTH	165	98	118	119	97	109	122	81	107	125	95	103

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

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	114	107	110	124	105	114	115	112	114	e132	e126	e129
2	112	108	110	124	108	116	116	114	115	e130	e130	e130
3	112	109	110	122	111	114	117	115	116	131	127	129
4	113	108	110	126	106	115	118	114	116	e131	e127	e129
5	113	107	109	118	102	110	119	113	117	130	127	129
6	112	104	108	115	106	111	120	117	118	130	127	129
7	105	87	96	116	112	114	121	116	120	131	130	130
8	108	98	104	123	114	115	121	104	115	132	129	131
9	114	106	110	115	114	114	121	112	116	134	130	132
10	122	108	111	116	108	113	120	98	111	133	129	131
11	114	104	111	116	112	114	119	108	114	133	129	131
12	106	98	101	116	112	114	122	117	120	134	131	133
13	105	96	100	115	111	113	123	120	121	134	127	131
14	107	102	104	115	111	113	123	116	119	130	129	130
15	106	103	104	115	110	114	121	119	120	130	115	126
16	107	105	106	112	108	110	123	121	122	127	126	126
17	122	100	108	111	107	109	121	116	119	129	126	127
18	124	108	116	110	105	109	122	120	121	129	128	129
19	124	105	117	111	109	110	122	118	120	130	114	128
20	125	109	118	110	109	109	124	120	122	125	121	123
21	128	114	123	111	109	110	125	122	124	125	123	124
22	129	109	123	112	105	109	126	124	125	125	124	125
23	128	117	125	112	108	110	128	124	126	125	124	124
24	132	112	123	116	112	113	127	123	125	126	124	125
25	130	112	115	119	116	117	128	124	126	125	124	124
26	114	109	111	119	114	117	129	125	127	125	120	123
27	115	93	108	115	110	113	130	125	127	123	122	122
28	116	105	111	116	114	115	131	126	128	123	121	122
29	115	112	113	117	115	116	131	127	129	122	121	121
30	116	110	113	118	117	118	130	128	129	122	121	121
31	---	---	---	118	114	116	132	128	129	---	---	---
MONTH	132	87	111	126	102	113	132	98	121	134	114	127

e Estimated

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	0.3	0.2	0.2
30	---	---	---	---	---	---	---	---	---	.3	.2	.2
31	---	---	---	---	---	---	---	---	---	.3	.2	.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.4	0.2	0.3	4.3	4.0	4.1	11.4	8.6	9.9	13.0	10.9	11.8
2	.4	.3	.3	4.5	4.1	4.3	11.7	9.9	10.6	13.0	12.1	12.6
3	.3	.2	.3	4.3	4.0	4.1	11.8	11.3	11.5	14.5	11.4	12.8
4	.3	.2	.2	4.1	3.5	3.9	12.5	10.6	11.5	15.5	12.6	14.0
5	.4	.2	.3	4.6	4.0	4.3	12.4	10.5	11.3	17.7	14.4	16.1
6	.5	.4	.4	5.0	4.1	4.5	10.5	9.5	9.9	18.9	16.6	17.6
7	.5	.4	.5	5.2	4.1	4.7	12.5	9.4	10.7	21.2	16.9	19.2
8	.7	.4	.6	6.0	4.4	5.1	14.4	10.8	12.3	24.0	19.7	21.6
9	.6	.5	.5	9.8	5.7	7.4	14.7	12.0	13.9	24.4	20.8	22.6
10	.9	.6	.7	10.4	8.7	9.5	12.0	10.0	10.7	22.5	16.0	18.8
11	1.6	.9	1.3	9.2	7.3	8.3	10.0	9.4	9.7	16.0	14.6	15.1
12	1.7	1.6	1.6	7.3	5.6	6.6	10.1	9.2	9.6	16.5	13.8	15.0
13	1.6	1.2	1.4	5.6	4.8	5.2	11.3	8.9	9.9	16.0	14.4	14.9
14	2.1	.7	1.5	6.0	4.8	5.2	11.1	9.2	10.2	18.6	14.2	16.2
15	1.2	.3	.7	7.8	5.7	6.4	12.8	10.6	11.3	17.2	15.7	16.5
16	1.1	.4	.7	10.4	7.2	8.5	14.9	12.8	13.5	17.7	15.1	16.4
17	1.5	.9	1.2	10.3	4.4	7.2	13.4	11.9	12.5	18.9	15.7	17.0
18	1.4	.4	.7	4.4	2.6	3.6	11.9	10.0	10.9	17.1	15.9	16.5
19	.5	.2	.3	5.8	3.7	4.5	10.0	8.9	9.5	17.0	14.0	15.8
20	1.1	.5	.7	6.5	4.4	5.3	12.2	8.7	10.0	14.1	13.0	13.5
21	1.4	.8	1.0	6.0	5.4	5.6	11.4	9.6	10.5	13.1	12.4	12.8
22	1.5	.8	1.2	6.2	5.3	5.7	9.6	8.4	8.8	13.4	12.7	13.0
23	2.2	1.3	1.6	9.1	5.7	7.3	8.9	8.3	8.5	14.2	12.5	13.3
24	3.3	2.2	2.8	10.1	7.2	8.6	9.4	8.1	8.7	16.2	13.3	14.4
25	3.5	2.6	3.0	10.2	8.4	9.3	11.9	9.1	10.3	17.6	14.7	16.1
26	2.6	2.0	2.2	11.6	9.9	10.7	10.9	8.6	9.3	18.8	16.0	17.3
27	3.4	2.1	2.5	11.2	9.9	10.6	8.8	7.8	8.3	19.2	16.8	18.0
28	4.2	3.4	3.9	11.3	10.5	10.9	8.9	7.8	8.3	18.3	16.9	17.7
29	4.1	3.6	3.9	10.5	9.5	10.1	11.7	8.2	9.5	17.5	16.0	16.6
30	---	---	---	10.2	9.3	9.6	12.4	9.7	10.8	17.4	15.2	16.0
31	---	---	---	10.1	8.8	9.5	---	---	---	18.5	15.1	16.6
MONTH	4.2	.2	1.3	11.6	2.6	6.8	14.9	7.8	10.4	24.4	10.9	16.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.8	16.7	19.4	25.8	21.7	23.6	20.7	19.9	20.3	24.8	22.7	23.6
2	22.7	19.2	20.8	25.3	22.2	23.9	20.8	19.8	20.3	24.6	23.1	24.0
3	22.3	19.8	21.0	25.1	23.0	24.1	22.0	20.7	21.2	23.1	21.9	22.5
4	21.3	19.2	20.3	25.9	23.4	24.5	24.5	21.5	22.8	23.5	22.3	22.9
5	20.9	18.9	19.8	26.3	23.4	24.9	24.9	22.2	23.4	22.3	19.5	20.4
6	19.0	15.4	17.2	25.8	22.8	24.3	23.4	21.8	22.6	20.0	18.0	19.0
7	15.4	13.1	14.4	24.3	22.7	23.5	25.1	22.1	23.1	19.5	17.3	18.5
8	17.0	14.6	15.7	22.9	21.4	22.2	26.9	23.6	25.0	20.2	17.9	19.0
9	19.0	15.9	17.4	22.8	21.1	22.0	25.8	24.2	25.0	21.5	19.6	20.4
10	23.9	17.5	20.3	25.5	21.5	23.2	27.2	24.4	25.6	21.7	19.6	20.6
11	23.5	19.8	21.2	24.9	22.3	23.6	26.2	24.4	25.4	21.1	20.0	20.7
12	19.8	15.9	17.4	24.9	22.0	23.6	25.3	22.8	23.8	21.9	20.3	21.0
13	18.6	15.2	16.5	24.9	22.4	23.7	22.8	21.5	22.0	23.1	21.4	22.0
14	17.3	15.6	16.4	24.7	22.8	23.9	21.5	20.6	20.9	22.2	20.2	20.9
15	16.7	15.8	16.2	24.0	22.9	23.5	21.1	20.2	20.6	20.7	19.9	20.5
16	22.0	16.3	18.6	24.5	22.6	23.5	21.3	20.4	20.7	20.1	18.8	19.4
17	25.8	19.9	22.3	24.7	23.2	23.9	22.3	19.7	20.8	19.1	17.5	18.4
18	23.1	20.5	21.6	25.3	23.2	24.2	21.0	19.3	19.8	19.7	17.5	18.5
19	21.0	19.3	20.0	24.6	22.0	23.0	22.1	19.2	20.3	19.5	18.3	18.9
20	22.9	18.5	20.5	23.8	21.1	22.3	21.4	19.5	20.4	22.3	19.3	20.5
21	22.0	19.6	20.7	23.0	21.1	22.2	21.5	19.1	20.2	21.4	20.2	20.8
22	22.9	20.9	21.6	25.4	22.0	23.4	21.4	19.0	20.1	20.5	18.5	19.2
23	25.0	21.3	23.0	25.0	22.4	23.7	20.7	19.5	20.1	19.0	17.3	18.1
24	25.5	21.5	23.4	24.5	22.5	23.6	22.1	19.5	20.6	19.5	18.3	18.7
25	24.5	21.8	23.1	23.5	22.1	22.6	22.8	20.3	21.5	19.1	17.0	17.7
26	25.2	23.3	24.2	22.1	20.9	21.5	22.7	20.6	21.7	17.4	15.5	16.3
27	26.9	23.7	25.0	20.9	20.4	20.6	23.5	21.1	22.2	17.1	14.9	15.9
28	25.7	22.8	24.2	21.1	20.0	20.4	23.1	22.1	22.4	16.5	15.1	15.9
29	24.2	22.6	23.3	21.0	19.8	20.5	22.2	20.5	21.3	15.1	13.6	14.2
30	24.9	21.5	23.1	21.7	20.2	20.9	21.6	20.1	20.9	14.5	12.6	13.6
31	---	---	---	21.4	20.5	20.9	23.3	21.3	22.1	---	---	---
MONTH	26.9	13.1	20.3	26.3	19.8	23.0	27.2	19.0	21.8	24.8	12.6	19.4

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 1000 ft downstream from bridge on Elmdale Road, and 1.6 mi northwest of North Scituate

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 2000.
WATER TEMPERATURE: January to September 2000.

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

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

EXTREMES FOR THE PERIOD JANUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 87 µS/cm, July 29; minimum, 20 µS/cm, Feb. 14.
WATER TEMPERATURE: Maximum recorded, 21.8°C, Aug. 10; minimum, -0.2°C, Feb. 12.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µS/CM at 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	45	44	45
30	---	---	---	---	---	---	---	---	---	45	43	44
31	---	---	---	---	---	---	---	---	---	45	42	43
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	57	45	50	---	---	---	45	43	44	45	43	44
2	45	43	44	---	---	---	47	45	46	45	44	44
3	45	43	44	48	47	48	48	47	47	46	43	45
4	44	43	43	53	48	48	e49	e48	e47	47	45	46
5	49	43	45	52	48	48	e47	e46	e46	49	47	48
6	46	45	45	51	48	49	46	46	46	49	49	49
7	46	43	45	54	48	49	51	46	48	52	49	49
8	46	43	44	50	48	49	e56	e47	e49	52	49	51
9	47	45	46	51	50	50	e53	e44	e48	53	49	50
10	47	44	45	52	50	51	47	44	44	49	43	47
11	45	43	44	53	47	50	54	44	47	45	40	41
12	48	43	45	47	41	43	e51	e44	e45	43	41	42
13	47	45	47	43	42	42	47	45	46	44	42	43
14	46	20	39	46	43	43	49	46	47	45	43	44
15	32	30	31	47	43	44	e49	e47	e48	46	44	45
16	34	32	33	48	44	45	58	48	49	46	44	45
17	36	33	34	47	37	40	78	47	48	47	46	47
18	37	35	36	47	39	43	47	45	46	48	47	48
19	38	36	37	45	39	42	45	43	44	48	39	45
20	46	37	42	45	41	42	46	44	45	41	39	40
21	43	39	41	45	42	42	46	43	46	43	41	42
22	42	39	41	47	42	43	43	30	33	44	42	43
23	46	40	43	46	43	43	34	32	33	44	42	43
24	47	42	45	47	43	45	37	34	35	43	39	41
25	43	41	42	49	44	45	39	37	38	42	40	41
26	43	41	42	50	45	46	39	38	38	44	42	43
27	44	43	43	48	45	46	39	38	38	46	44	45
28	44	43	43	48	34	39	40	39	39	48	46	47
29	51	44	45	39	35	36	42	40	41	48	47	48
30	---	---	---	40	36	36	44	42	43	49	48	48
31	---	---	---	43	36	39	---	---	---	51	49	50
MONTH	57	20	42	---	---	---	78	30	44	53	39	45

e Estimated

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

SPECIFIC CONDUCTANCE (µS/CM at 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	53	50	51	61	60	60	e86	e76	e80	72	69	71
2	54	52	53	61	60	61	84	74	78	74	70	71
3	55	52	53	63	61	62	e82	e73	e76	72	70	71
4	54	52	53	64	62	63	82	71	72	71	69	69
5	56	53	54	64	62	63	72	71	72	70	69	69
6	56	39	52	66	63	64	71	69	70	70	69	69
7	39	30	34	70	65	68	69	68	69	71	69	70
8	39	36	38	70	68	69	70	68	69	74	71	72
9	46	39	41	73	69	70	71	70	71	75	73	74
10	45	43	44	73	70	71	71	64	67	84	74	78
11	47	38	44	73	70	71	69	62	66	84	75	80
12	39	37	38	86	71	73	72	69	71	78	75	76
13	41	39	40	73	71	72	72	69	72	86	76	82
14	43	41	42	77	72	74	75	61	67	86	75	80
15	45	43	44	77	73	76	75	69	71	76	53	67
16	47	45	46	73	59	67	69	67	68	82	69	80
17	49	47	48	77	73	75	70	66	68	80	78	79
18	49	48	49	75	72	73	66	64	65	79	78	79
19	52	49	50	75	72	73	66	64	65	79	66	76
20	52	50	51	82	72	73	67	66	66	83	62	71
21	53	52	52	82	72	74	67	66	67	84	79	81
22	56	53	54	76	74	75	67	66	66	80	75	78
23	57	54	55	77	73	75	67	66	66	75	73	74
24	58	55	55	78	75	76	66	64	65	73	72	72
25	59	56	57	79	78	78	66	64	65	72	70	71
26	59	58	58	79	74	78	68	65	66	70	66	68
27	60	57	58	74	62	67	70	68	69	70	64	66
28	59	57	58	85	68	76	71	69	70	74	70	73
29	59	57	58	e87	e82	e84	71	71	71	72	70	71
30	60	59	59	e85	e75	e79	71	69	70	70	68	69
31	---	---	---	e77	e69	e73	73	69	71	---	---	---
MONTH	60	30	50	87	59	71	86	61	69	86	53	74

e Estimated

WATER TEMPERATURE, DEGREES CELSIUS, JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	0.0	-0.2	-0.1
30	---	---	---	---	---	---	---	---	---	.0	-.2	-.1
31	---	---	---	---	---	---	---	---	---	-.1	-.2	-.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	-0.2	-0.1	5.5	3.5	4.5	10.2	5.6	8.0	12.3	7.8	10.2
2	.0	-.2	-.2	5.3	3.8	4.7	10.8	8.0	9.4	11.9	10.3	10.9
3	.1	-.2	-.1	4.8	2.4	3.6	10.3	9.5	9.8	13.7	7.9	10.9
4	.1	-.1	-.1	5.0	2.2	3.6	11.3	9.3	10.3	14.9	9.4	12.2
5	.1	-.1	-.1	5.5	3.3	4.4	10.9	8.6	9.8	16.3	11.9	14.1
6	.1	-.1	-.1	5.6	2.8	4.3	8.7	6.4	7.6	17.0	13.9	15.5
7	.2	-.2	.0	5.9	2.2	4.3	11.7	7.2	9.4	19.3	13.8	16.6
8	.1	-.2	-.1	7.8	4.7	6.2	14.6	9.6	12.0	21.1	16.5	18.7
9	.2	-.2	.0	9.8	5.6	7.7	13.8	8.3	11.9	21.6	16.9	19.2
10	.4	-.1	.1	9.8	7.8	8.8	9.9	5.9	7.9	18.4	12.0	14.6
11	.1	-.2	.0	7.8	4.9	6.1	8.1	6.0	7.2	13.2	11.0	12.1
12	.2	-.2	-.1	5.5	4.6	5.0	10.0	6.9	8.2	14.1	11.3	12.9
13	.1	-.2	-.1	5.6	2.9	4.2	9.8	5.5	7.7	13.5	12.1	12.5
14	.0	-.2	-.1	5.7	1.9	3.9	10.7	6.1	8.4	16.3	12.0	14.0
15	.0	-.2	-.2	7.5	3.8	5.7	11.5	8.0	9.8	14.6	12.2	13.5
16	.1	-.2	-.1	9.2	6.4	7.9	12.7	11.0	11.7	14.1	10.1	12.3
17	.0	-.2	-.2	8.6	2.0	5.0	11.7	9.6	10.8	14.4	11.8	13.2
18	-.1	-.2	-.2	3.7	.3	2.0	9.6	7.9	8.5	14.8	12.9	13.8
19	.0	-.2	-.1	4.8	.8	2.8	7.9	7.2	7.5	14.3	10.4	12.4
20	.2	-.2	-.1	5.8	2.8	4.2	11.3	7.0	9.0	11.1	9.7	10.4
21	.3	-.2	.0	4.9	4.2	4.5	10.7	8.0	9.4	11.1	10.5	10.8
22	.4	-.2	.0	5.8	4.1	4.8	8.1	7.0	7.6	11.4	10.7	11.1
23	1.2	-.2	.5	8.5	4.2	6.3	7.8	7.0	7.4	11.8	10.4	11.1
24	2.0	.6	1.2	9.7	5.4	7.7	9.9	6.9	8.2	13.1	11.3	12.0
25	1.8	1.2	1.5	9.1	5.7	7.7	11.5	7.0	9.2	15.1	12.5	13.7
26	1.9	1.1	1.5	11.1	7.8	9.3	9.6	6.1	7.5	15.1	12.5	13.9
27	5.4	1.9	3.5	10.2	6.7	8.7	8.3	5.6	6.8	14.8	12.5	13.8
28	5.9	4.6	5.6	10.0	8.6	9.2	8.5	6.5	7.6	13.9	12.5	13.1
29	5.3	3.1	4.2	9.7	7.6	8.7	10.8	6.4	8.5	12.9	11.6	12.2
30	---	---	---	8.9	7.2	8.1	13.1	8.5	10.6	12.7	10.6	11.5
31	---	---	---	9.3	6.0	7.8	---	---	---	13.9	11.1	12.4
MONTH	5.9	-.2	.6	11.1	.3	5.9	14.6	5.5	8.9	21.6	7.8	13.1

WATER TEMPERATURE, DEGREES CELSIUS, JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.2	12.4	14.2	18.4	15.4	17.1	17.1	16.4	16.8	20.5	17.8	18.9
2	17.8	14.6	16.0	18.8	15.6	17.3	18.5	16.6	17.4	19.4	17.5	18.6
3	17.1	15.1	16.1	19.2	16.9	18.1	19.6	18.0	18.7	18.9	17.0	17.8
4	15.6	13.2	14.5	19.6	17.7	18.6	20.2	17.3	19.3	19.6	17.2	18.6
5	15.0	13.5	14.2	20.1	17.6	18.8	19.5	17.5	18.6	17.2	13.0	15.1
6	13.8	11.7	12.8	18.3	15.5	17.0	18.2	16.2	17.4	15.0	11.3	12.9
7	12.8	11.0	11.8	17.6	15.5	16.5	20.1	17.6	18.7	14.9	10.0	12.4
8	13.5	11.3	12.5	16.6	13.9	15.3	21.7	19.2	20.3	16.3	12.3	14.2
9	15.1	13.3	14.1	16.8	14.2	15.6	21.3	19.0	20.1	17.3	14.9	16.0
10	17.7	14.4	16.1	19.0	16.2	17.5	21.8	19.7	20.7	17.3	14.1	15.6
11	17.5	15.2	16.4	19.1	15.9	17.4	20.8	18.7	19.8	17.3	14.3	15.6
12	15.2	12.9	13.7	18.4	14.5	16.4	19.6	17.6	18.7	18.1	14.8	16.4
13	13.8	12.3	13.1	18.2	14.5	16.4	17.7	16.9	17.3	18.9	16.0	17.6
14	13.4	12.5	13.0	19.3	15.7	17.2	17.1	16.9	17.0	16.6	13.3	15.2
15	13.6	12.7	13.2	17.7	15.9	16.7	17.9	16.9	17.3	16.8	14.6	15.7
16	17.1	13.6	15.2	19.9	16.6	18.5	18.5	17.2	17.7	15.5	13.2	14.4
17	19.0	16.4	17.6	19.0	17.7	18.5	17.7	15.8	16.8	14.0	11.6	13.0
18	17.9	16.0	16.6	20.3	17.6	18.9	16.3	14.1	15.1	15.8	13.0	14.3
19	16.0	15.3	15.6	18.8	16.0	17.1	17.4	15.3	16.3	16.3	14.0	15.2
20	16.9	14.0	15.5	17.9	14.8	16.2	16.8	14.8	15.8	17.8	16.0	16.9
21	17.4	14.8	16.2	17.9	14.3	16.2	16.2	13.6	14.9	18.0	16.4	17.4
22	18.3	16.6	17.3	19.3	16.5	17.6	16.5	13.4	15.0	16.4	13.8	14.8
23	19.0	16.5	17.7	18.5	15.3	16.8	16.6	14.7	15.7	14.2	12.0	13.3
24	18.3	15.5	17.0	18.1	14.9	16.5	18.1	15.7	16.9	16.0	14.2	15.1
25	19.8	16.2	17.9	16.3	15.5	15.9	18.4	15.7	17.0	15.3	12.9	13.7
26	19.9	17.9	18.8	15.8	15.3	15.5	18.4	15.2	16.8	13.0	11.9	12.3
27	20.9	18.3	19.4	16.6	15.4	16.0	19.2	16.0	17.4	12.5	10.9	11.9
28	19.7	17.4	18.5	17.0	15.8	16.4	18.3	16.8	17.6	12.9	10.8	12.1
29	18.2	17.1	17.6	17.3	15.7	16.5	18.2	14.8	16.3	10.8	8.4	9.4
30	18.6	16.3	17.4	17.7	16.3	17.0	16.9	14.3	15.7	9.8	7.0	8.5
31	---	---	---	17.3	16.7	17.1	19.3	16.3	17.6	---	---	---
MONTH	20.9	11.0	15.7	20.3	13.9	17.0	21.8	13.4	17.4	20.5	7.0	14.8

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 to September 2000.
WATER TEMPERATURE: March to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD MARCH TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 142 µS/cm, Sept. 13; minimum, 109 µS/cm, June 28.
WATER TEMPERATURE: Maximum recorded, 26.9°C, June 28; minimum, 4.5°C, Mar. 18.

WATER-QUALITY DATA, MARCH TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), MARCH TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	123	122	122	125	122	123
2	---	---	---	---	---	---	124	122	123	125	123	124
3	---	---	---	---	---	---	124	123	123	128	123	125
4	---	---	---	---	---	---	124	123	123	127	124	125
5	---	---	---	---	---	---	124	122	123	128	125	126
6	---	---	---	---	---	---	123	122	123	129	126	128
7	---	---	---	---	---	---	125	122	123	129	127	128
8	---	---	---	---	---	---	127	123	125	129	128	129
9	---	---	---	---	---	---	126	123	124	130	128	129
10	---	---	---	126	123	125	125	123	124	129	124	127
11	---	---	---	127	121	125	125	123	124	126	125	126
12	---	---	---	122	117	121	125	123	124	127	126	126
13	---	---	---	124	122	123	126	122	124	127	126	127
14	---	---	---	125	122	124	126	123	124	128	126	127
15	---	---	---	125	122	124	126	123	125	128	127	128
16	---	---	---	131	122	123	126	122	124	128	127	128
17	---	---	---	124	116	120	126	124	125	128	127	128
18	---	---	---	125	121	123	125	123	124	128	127	128
19	---	---	---	128	121	123	124	122	123	128	124	126
20	---	---	---	124	122	123	127	123	125	127	126	126
21	---	---	---	125	124	124	125	120	124	127	126	127
22	---	---	---	126	123	124	121	112	118	127	126	127
23	---	---	---	125	123	124	122	120	121	127	125	126
24	---	---	---	125	123	124	123	121	122	126	124	126
25	---	---	---	131	122	123	124	121	122	127	126	126
26	---	---	---	131	122	123	121	120	121	128	126	127
27	---	---	---	124	123	123	123	121	122	128	127	127
28	---	---	---	124	111	119	123	121	122	128	127	128
29	---	---	---	121	119	120	124	121	122	129	128	128
30	---	---	---	122	120	121	125	122	123	130	128	129
31	---	---	---	123	121	122	---	---	---	129	127	128
MONTH	---	---	---	---	---	---	127	112	123	130	122	127

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	130	128	129	132	116	126	134	131	133	136	134	135
2	131	128	129	132	114	125	134	131	133	136	134	135
3	130	128	129	130	117	126	135	133	134	135	116	131
4	129	128	128	131	117	126	134	125	131	137	132	135
5	130	128	129	131	114	125	134	125	131	136	131	132
6	130	119	126	133	122	129	134	131	133	134	131	132
7	128	119	124	133	129	132	134	129	133	133	131	132
8	125	124	125	133	132	132	---	---	---	136	132	134
9	130	124	125	135	132	133	e138	e127	e134	137	134	135
10	127	124	125	134	132	133	136	116	127	136	132	134
11	127	118	126	134	132	133	132	115	126	139	133	136
12	126	124	124	135	132	134	136	129	132	138	134	135
13	126	124	125	135	132	134	136	135	135	142	134	138
14	126	125	126	136	132	133	135	129	132	140	135	137
15	126	125	126	135	133	134	134	130	133	136	116	130
16	127	125	126	135	127	131	131	129	131	132	130	131
17	127	126	126	135	126	132	132	130	131	134	130	131
18	127	126	127	132	128	131	134	132	133	135	132	133
19	127	126	126	137	132	134	134	133	133	135	120	131
20	127	125	126	136	131	133	135	133	134	132	121	130
21	127	126	127	137	131	134	136	133	134	133	131	132
22	127	127	127	136	132	134	137	134	135	134	133	134
23	128	125	127	136	132	133	136	130	132	135	133	134
24	128	123	126	137	132	133	133	131	132	134	133	133
25	129	124	127	134	132	133	134	131	132	133	132	132
26	129	123	127	135	132	133	134	132	133	132	128	131
27	129	120	126	133	122	129	134	132	133	134	130	132
28	129	109	123	134	132	133	135	134	134	132	131	132
29	129	126	127	136	134	135	135	133	134	133	131	132
30	130	122	128	138	133	136	139	134	135	132	130	131
31	---	---	---	133	128	131	137	133	135	---	---	---
MONTH	131	109	126	138	114	132	---	---	---	142	116	133

e Estimated

01115170 MOSWANSICUT STREAM NEAR NORTH SCITUATE, RI--Continued

TEMPERATURE, WATER (DEG. C), MARCH 2000 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	9.9	8.3	8.9	12.0	9.8	10.7
2	---	---	---	---	---	---	10.0	8.4	9.1	11.8	10.5	11.0
3	---	---	---	---	---	---	10.1	9.1	9.7	14.8	10.2	11.7
4	---	---	---	---	---	---	10.2	9.6	9.9	13.4	10.9	11.9
5	---	---	---	---	---	---	10.6	9.1	9.7	14.8	11.6	12.9
6	---	---	---	---	---	---	10.2	8.7	9.3	18.2	13.5	15.3
7	---	---	---	---	---	---	11.2	9.0	9.8	17.9	14.1	15.7
8	---	---	---	---	---	---	12.5	9.3	10.8	19.6	15.9	17.7
9	---	---	---	---	---	---	11.5	10.2	11.0	19.9	18.6	19.3
10	---	---	---	7.8	5.2	6.3	11.5	9.6	10.4	19.1	16.0	17.4
11	---	---	---	6.1	5.3	5.7	11.0	9.4	10.0	16.4	15.5	16.0
12	---	---	---	5.9	5.3	5.6	11.9	9.7	10.4	16.8	15.6	16.1
13	---	---	---	6.8	5.0	5.7	12.2	9.2	10.4	16.1	15.8	15.9
14	---	---	---	6.6	4.6	5.6	12.1	9.3	10.4	17.9	15.7	16.5
15	---	---	---	6.9	5.3	6.0	11.5	9.8	10.7	17.9	16.0	16.9
16	---	---	---	7.7	5.9	6.6	13.5	10.9	11.8	17.9	15.6	16.6
17	---	---	---	6.5	5.0	5.9	11.7	10.5	11.1	18.7	15.9	17.0
18	---	---	---	6.3	4.5	5.3	10.6	9.8	10.2	17.3	16.1	16.6
19	---	---	---	6.9	4.9	5.8	10.0	9.5	9.8	16.4	15.0	15.7
20	---	---	---	6.8	5.2	5.9	12.2	9.6	10.7	15.7	14.6	15.1
21	---	---	---	5.7	5.3	5.4	10.8	9.8	10.4	15.2	14.9	15.0
22	---	---	---	6.5	5.3	5.7	10.2	9.3	9.8	15.2	14.7	14.9
23	---	---	---	9.4	5.4	6.7	9.9	9.7	9.8	15.9	14.4	15.0
24	---	---	---	9.7	5.6	7.6	10.9	9.5	10.1	16.4	14.6	15.2
25	---	---	---	8.5	5.6	7.0	11.8	9.5	10.4	16.5	15.7	16.2
26	---	---	---	9.3	6.7	7.6	9.6	9.1	9.3	18.0	15.9	16.8
27	---	---	---	9.7	6.8	7.8	10.1	9.2	9.5	18.2	16.2	17.1
28	---	---	---	8.6	7.6	8.1	9.8	9.1	9.4	17.9	16.9	17.4
29	---	---	---	8.7	7.8	8.1	11.3	9.0	10.0	17.3	16.2	16.9
30	---	---	---	8.8	7.9	8.3	12.4	9.9	10.8	17.7	15.9	16.6
31	---	---	---	9.9	7.8	8.8	---	---	---	18.4	16.2	17.0
MONTH	---	---	---	---	---	---	13.5	8.3	10.1	19.9	9.8	15.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.1	17.0	18.6	26.6	22.8	24.6	22.0	21.6	21.8	23.7	21.8	22.7
2	22.0	18.5	20.1	26.6	23.3	24.9	22.9	21.4	22.0	23.5	21.3	22.5
3	21.0	19.2	20.2	26.3	24.1	25.0	23.4	22.3	22.7	23.3	19.2	21.9
4	21.2	19.1	19.9	26.4	24.0	24.9	25.6	22.6	23.8	24.0	21.5	22.9
5	20.8	19.1	19.7	26.8	24.0	25.1	25.7	22.7	24.1	21.5	17.9	20.2
6	19.1	16.9	18.1	25.9	22.5	24.2	24.7	22.5	23.5	20.3	17.3	18.7
7	18.2	16.6	17.3	24.4	21.8	23.3	25.0	23.1	23.6	20.2	16.4	18.4
8	18.4	16.9	17.4	23.1	20.3	21.8	26.0	23.2	24.5	20.8	17.8	19.3
9	18.7	17.2	17.9	23.4	20.0	21.4	25.6	23.7	24.5	21.8	19.6	20.4
10	20.9	18.6	19.6	23.9	21.3	22.3	26.6	23.7	25.2	21.6	18.6	20.2
11	24.2	20.5	21.7	23.4	19.7	21.6	26.7	24.0	25.3	21.6	19.4	20.3
12	21.0	18.6	19.5	23.5	18.9	21.3	25.2	22.2	24.0	22.1	19.7	20.8
13	20.2	18.2	19.0	23.7	19.2	21.5	22.7	21.3	22.2	22.3	20.0	21.2
14	19.4	18.5	18.9	23.8	20.4	21.9	22.0	21.2	21.7	21.2	18.3	19.8
15	18.7	18.2	18.5	22.8	20.8	21.7	22.1	21.4	21.7	21.0	18.4	20.0
16	20.9	18.5	19.5	24.7	20.8	23.0	22.6	21.2	21.8	20.3	17.9	19.1
17	22.2	19.9	21.0	25.1	22.5	23.4	23.0	20.6	21.6	19.6	16.9	18.2
18	22.4	21.2	21.9	24.8	22.2	23.3	21.9	20.2	21.1	20.3	17.3	18.8
19	22.3	21.0	21.6	22.3	20.8	21.5	23.0	20.6	21.7	20.6	18.2	19.3
20	24.1	20.4	22.1	23.4	19.9	21.6	22.3	20.2	21.1	22.8	20.0	21.2
21	23.0	21.5	22.2	23.2	19.5	21.4	22.2	19.2	20.7	21.6	20.0	21.0
22	22.9	21.3	21.9	23.6	20.7	22.0	23.0	19.2	20.9	21.0	18.9	19.8
23	24.4	21.5	22.7	23.3	19.4	21.4	21.9	19.9	20.7	20.5	18.2	19.4
24	25.1	21.8	23.4	23.4	19.8	21.6	23.3	20.2	21.5	20.6	19.1	20.0
25	24.9	22.8	23.6	21.9	20.5	21.2	23.5	20.1	21.8	19.1	17.2	18.3
26	25.2	22.8	23.7	21.2	20.5	20.8	23.8	20.3	21.9	18.1	16.9	17.5
27	25.7	23.4	24.3	21.6	19.6	20.9	23.9	20.8	22.1	19.0	16.2	17.4
28	26.9	23.8	24.9	22.1	20.9	21.4	22.8	21.2	22.0	18.5	15.5	17.2
29	24.9	23.9	24.5	22.7	20.9	21.6	22.4	19.5	21.0	16.2	14.0	15.2
30	25.7	23.4	24.3	23.7	21.1	22.4	22.0	19.2	20.8	16.8	13.4	15.1
31	---	---	---	23.0	22.0	22.6	23.3	21.1	22.1	---	---	---
MONTH	26.9	16.6	20.9	26.8	18.9	22.4	26.7	19.2	22.4	24.0	13.4	19.6

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 to September 2000.
WATER TEMPERATURE: January to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD JANUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,050 µS/cm, Feb. 14; minimum, 53 µS/cm, July 15.
WATER TEMPERATURE: Maximum recorded, 22.4°C, May 9; minimum, -0.2°C, Feb. 17.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	86	85	85
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	121	86	102
29	---	---	---	---	---	---	---	---	---	121	120	121
30	---	---	---	---	---	---	---	---	---	120	119	119
31	---	---	---	---	---	---	---	---	---	120	105	116
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	114	96	105	86	78	82	87	82	84	85	81	83
2	96	92	94	109	82	84	87	84	86	86	84	85
3	93	90	92	113	79	85	88	87	87	88	84	86
4	90	89	90	114	80	86	93	88	89	90	86	88
5	90	88	89	97	87	88	109	88	90	96	89	90
6	88	87	88	90	85	88	93	89	89	96	91	92
7	88	87	87	101	85	88	93	89	91	94	91	92
8	95	87	88	101	87	89	96	91	93	95	91	94
9	88	87	88	93	87	89	96	89	91	102	91	95
10	107	87	99	96	87	89	93	91	92	101	82	93
11	111	101	106	121	80	93	92	90	91	88	81	84
12	114	104	111	118	74	78	93	89	91	89	87	88
13	111	90	97	108	79	85	93	91	92	90	88	89
14	1,050	62	177	113	85	97	99	91	93	92	86	89
15	73	64	67	101	85	87	101	92	93	91	89	90
16	75	69	73	92	86	87	94	88	92	90	86	89
17	85	70	74	90	76	81	97	91	93	92	89	91
18	89	75	77	104	90	97	91	86	90	95	91	92
19	85	75	76	97	87	93	89	86	87	96	79	85
20	78	75	76	95	91	94	93	89	91	86	83	84
21	77	75	76	104	93	94	92	75	89	87	86	87
22	88	76	76	108	92	94	76	61	63	88	86	88
23	79	75	77	102	92	94	65	60	62	86	80	84
24	88	71	75	113	92	94	70	65	68	90	76	82
25	100	70	73	114	93	94	74	70	72	87	78	81
26	80	72	73	100	93	95	74	71	72	85	83	84
27	82	73	76	105	94	95	76	72	75	86	84	85
28	77	75	76	121	69	80	78	76	77	87	85	86
29	89	75	79	81	71	73	81	78	79	87	85	86
30	---	---	---	81	76	78	84	80	82	88	85	86
31	---	---	---	82	80	81	---	---	---	90	86	87
MONTH	1050	62	87	121	69	88	109	60	85	102	76	88

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

SPECIFIC CONDUCTANCE (μ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	92	88	90	103	100	101	130	128	129	167	158	160
2	94	87	91	105	101	103	129	126	128	183	122	152
3	97	87	94	106	103	105	129	126	127	168	161	165
4	94	91	92	114	105	107	130	125	127	164	159	161
5	95	92	94	112	107	109	131	128	130	162	160	161
6	94	62	81	111	107	109	133	130	131	160	82	122
7	70	63	66	112	108	110	140	132	135	82	76	78
8	76	70	73	116	108	110	157	136	138	---	---	---
9	81	76	78	119	110	112	142	139	140	---	---	---
10	84	80	82	118	112	115	143	93	132	172	85	114
11	85	63	79	120	113	116	135	131	132	---	---	---
12	79	70	76	121	115	118	138	135	136	---	---	---
13	81	79	80	121	113	117	138	136	138	---	---	---
14	83	80	82	115	54	100	136	102	121	---	---	---
15	85	83	84	145	53	87	124	122	123	---	---	---
16	88	84	86	141	69	127	124	107	118	173	171	172
17	90	80	86	129	124	126	117	115	116	172	170	171
18	87	81	86	130	123	124	122	117	119	172	171	171
19	89	82	86	125	123	124	127	122	124	174	64	166
20	91	88	89	127	124	125	130	126	127	164	136	152
21	93	90	91	129	124	126	134	128	130	165	162	164
22	94	92	93	134	128	130	144	131	133	164	161	162
23	96	94	95	146	131	133	138	134	137	162	158	160
24	98	95	96	135	133	134	140	131	136	163	160	161
25	102	96	98	136	131	133	143	137	139	162	159	160
26	101	97	99	143	134	138	145	141	142	162	143	156
27	103	99	101	140	117	134	151	145	146	151	144	148
28	110	98	101	138	132	134	153	146	150	153	147	150
29	100	97	99	132	131	132	168	152	156	149	145	146
30	102	100	101	132	131	132	168	162	164	151	146	148
31	---	---	---	132	116	127	164	159	161	---	---	---
MONTH	110	62	88	146	53	119	168	93	134	---	---	---

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	-0.1	-0.2	-0.1
26	---	---	---	---	---	---	---	---	---	-.1	-.2	-.1
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	.2	-.1	.0
29	---	---	---	---	---	---	---	---	---	.3	.2	.2
30	---	---	---	---	---	---	---	---	---	.3	.2	.2
31	---	---	---	---	---	---	---	---	---	.3	-.1	.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-0.1	-0.2	-0.1	2.7	0.7	1.5	11.0	5.3	8.2	12.9	7.0	10.0
2	-.1	-.2	-.1	2.5	.9	1.6	11.1	7.7	9.4	12.0	9.8	10.6
3	-.1	-.2	-.1	3.3	.4	1.5	10.2	9.3	9.7	14.9	7.5	11.0
4	-.1	-.1	-.1	3.8	.4	1.8	11.7	9.4	10.5	16.0	8.7	12.1
5	-.1	-.1	-.1	4.0	1.3	2.5	11.7	8.1	9.9	17.2	11.4	14.2
6	-.1	-.2	-.1	4.6	1.0	2.5	9.2	6.1	7.6	18.1	13.7	15.7
7	-.1	-.1	-.1	5.3	.7	2.9	12.7	6.9	9.5	20.6	13.5	16.8
8	-.1	-.1	-.1	6.5	2.8	4.4	15.5	9.3	12.1	21.5	16.0	18.6
9	-.1	-.1	-.1	8.6	3.5	6.0	13.5	7.9	11.6	22.4	16.6	19.1
10	-.1	-.2	-.1	8.9	5.8	7.1	11.0	5.9	8.2	17.9	12.1	14.2
11	-.1	-.1	-.1	5.8	3.8	4.5	8.1	5.4	6.9	13.6	11.3	12.5
12	-.1	-.1	-.1	4.6	3.6	4.0	10.8	6.7	8.1	14.6	11.3	13.1
13	-.1	-.2	-.1	5.5	2.3	3.7	10.9	4.9	7.6	13.3	12.0	12.6
14	.0	-.2	-.1	5.7	1.2	3.5	11.6	5.1	8.1	17.2	12.3	14.4
15	.0	-.2	-.1	7.3	2.8	5.0	11.1	7.2	9.2	14.9	12.0	13.4
16	-.1	-.2	-.1	9.2	5.6	7.5	13.0	10.3	11.3	14.7	9.5	12.2
17	-.1	-.2	-.2	8.1	1.7	4.6	11.7	8.8	10.4	15.4	11.4	13.3
18	-.1	-.2	-.2	3.5	.1	1.7	8.8	7.3	8.0	15.0	12.7	13.8
19	-.1	-.2	-.1	4.9	.2	2.4	7.8	6.8	7.3	14.2	10.3	12.3
20	-.1	-.2	-.1	5.9	2.1	3.8	12.6	6.8	9.3	11.4	9.7	10.6
21	-.1	-.2	-.1	4.4	3.7	4.0	10.4	7.8	9.1	11.3	10.4	10.8
22	.0	-.2	-.1	6.2	3.7	4.6	8.1	7.2	7.6	11.5	10.6	11.0
23	.0	-.2	-.1	9.1	3.6	6.1	7.7	7.1	7.4	12.0	10.4	11.2
24	.0	-.2	-.1	10.3	4.6	7.3	10.0	6.8	8.3	13.3	11.2	12.1
25	.1	-.1	-.1	9.2	4.8	7.1	12.2	6.9	9.3	15.2	12.7	13.8
26	.0	-.1	.0	11.4	7.1	8.9	9.0	5.9	7.1	15.2	12.5	13.8
27	.9	-.1	.4	10.7	5.8	8.2	8.3	5.5	6.8	14.9	12.1	13.6
28	1.2	.5	.9	10.3	8.3	9.3	8.7	6.2	7.6	13.4	12.2	12.8
29	2.3	.3	1.0	10.3	8.0	9.0	11.5	6.1	8.6	13.0	11.4	12.1
30	---	---	---	9.1	7.2	8.2	13.9	8.0	10.5	12.6	10.5	11.5
31	---	---	---	10.1	5.8	7.9	---	---	---	13.5	10.5	11.9
MONTH	2.3	-.2	.0	11.4	.1	4.9	15.5	4.9	8.8	22.4	7.0	13.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.9	12.0	13.9	18.1	14.7	16.5	17.1	16.4	16.7	21.7	19.2	20.4
2	17.4	13.9	15.5	18.8	15.2	17.0	18.5	16.6	17.4	21.3	18.2	19.8
3	16.5	14.2	15.5	19.3	16.6	18.0	19.2	17.9	18.5	19.1	17.7	18.4
4	15.3	12.1	13.8	19.9	17.8	18.8	19.7	18.0	18.8	20.1	17.9	19.2
5	14.8	12.9	13.8	20.0	17.6	18.8	19.0	16.9	18.0	17.9	11.2	14.7
6	13.4	11.8	12.7	18.1	14.9	16.7	18.0	15.3	16.9	14.4	9.2	11.8
7	12.5	11.0	11.8	17.7	15.7	16.7	20.8	17.7	19.0	15.6	7.5	11.9
8	13.2	11.2	12.3	17.2	14.3	15.8	21.6	19.3	20.4	17.9	11.6	15.2
9	14.9	13.0	14.0	17.5	14.4	16.1	21.4	18.8	20.1	20.1	16.2	17.6
10	17.5	14.3	15.8	20.5	17.5	18.9	21.2	19.6	20.4	18.3	14.6	16.3
11	18.4	14.9	16.0	19.9	17.2	18.5	19.8	17.6	18.9	18.8	14.9	16.6
12	14.9	12.9	13.7	18.8	15.0	17.0	18.8	17.4	18.3	20.7	15.0	18.2
13	13.8	12.3	13.0	19.3	15.0	17.3	17.8	16.7	17.3	21.5	14.3	19.1
14	13.4	12.4	12.9	21.5	16.8	18.5	17.6	16.8	17.1	18.2	10.4	14.8
15	13.7	12.8	13.2	19.5	17.9	18.6	17.9	16.9	17.3	18.3	15.1	16.8
16	16.8	13.6	15.1	19.1	17.7	18.4	18.5	17.2	17.7	15.6	13.4	14.5
17	19.2	15.9	17.2	18.8	17.3	18.0	17.5	15.6	16.6	14.7	11.8	13.3
18	17.4	15.8	16.3	20.1	17.4	18.6	15.7	13.5	14.9	16.4	13.3	14.8
19	15.8	15.2	15.6	18.7	16.2	16.9	17.7	15.6	16.5	18.1	14.5	15.8
20	16.5	14.0	15.3	17.9	15.1	16.4	16.4	14.0	15.2	18.3	16.6	17.3
21	17.0	14.2	15.7	18.1	13.8	16.0	16.0	12.3	14.3	18.1	16.0	17.2
22	17.8	16.3	16.9	19.9	17.3	18.4	16.4	12.7	14.6	16.0	13.7	14.8
23	18.3	16.2	17.2	18.7	15.3	17.0	16.6	14.4	15.6	14.8	11.7	13.3
24	17.8	14.9	16.5	18.4	15.0	16.8	18.2	15.9	16.9	16.9	14.8	15.9
25	19.3	15.7	17.5	17.3	16.1	16.8	18.1	15.2	16.7	15.8	12.9	13.8
26	19.3	17.6	18.4	16.9	16.5	16.7	18.1	14.7	16.5	13.1	12.0	12.4
27	20.7	18.1	19.1	16.6	16.2	16.4	19.0	15.6	17.3	13.5	10.8	12.2
28	19.2	17.1	18.1	17.0	15.9	16.4	18.6	16.9	17.9	13.2	10.8	12.2
29	17.8	16.9	17.3	17.3	15.4	16.4	17.7	14.8	16.1	10.8	8.0	9.3
30	18.2	16.1	17.1	17.7	16.2	17.0	17.8	14.1	16.2	11.0	7.3	9.2
31	---	---	---	17.6	16.7	17.0	20.4	17.4	18.8	---	---	---
MONTH	20.7	11.0	15.4	21.5	13.8	17.3	21.6	12.3	17.3	21.7	7.3	15.2

Measuring flow at Queen River at Mail Road, Liberty, RI.
(photographer E.C. Wilde)

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 mi^2.

WATER DISCHARGE RECORD

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

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.--6 years, 28.7 ft^3/s, 28.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 672 ft^3/s, June 30, 1998, gage height, 6.37 ft; no flow part of each day, Sept. 8-13, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 375 ft^3/s, Apr. 22, gage height, 4.54 ft; minimum, 0.50 ft^3/s, Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	15	18	15	e30	43	34	34	15	6.3	9.3	1.1
2	7.6	15	16	15	e24	35	29	32	13	5.3	8.3	.97
3	5.9	58	15	16	e20	30	27	30	21	4.6	7.0	1.1
4	11	43	15	17	e18	26	34	26	17	4.3	6.5	1.2
5	19	26	14	103	e17	23	47	24	14	4.5	5.1	1.1
6	15	21	15	58	e16	21	36	23	28	3.8	3.9	.97
7	12	19	131	37	e15	19	29	21	205	3.4	3.5	.87
8	9.4	17	89	28	e14	17	26	21	87	2.9	3.0	.74
9	8.8	16	43	24	e15	17	73	29	44	2.6	2.6	.65
10	9.9	16	30	32	e17	17	77	28	30	2.4	3.1	.72
11	16	15	27	98	e18	22	45	58	25	2.2	3.4	.73
12	14	14	23	54	e19	135	36	43	58	1.8	3.1	.66
13	12	14	23	38	e18	86	31	31	46	1.5	3.4	.62
14	26	14	27	e29	e140	52	29	33	35	1.3	5.4	.64
15	22	15	41	e25	e110	37	24	26	29	1.2	5.9	1.9
16	17	14	45	e22	e60	30	31	21	26	3.4	7.3	3.2
17	15	13	34	e21	e40	113	31	19	22	4.6	11	2.3
18	40	13	27	e20	e30	88	26	18	22	3.8	7.4	1.5
19	36	12	23	e19	e32	57	44	43	21	2.8	5.5	1.4
20	38	12	22	e18	e29	49	40	61	18	2.4	4.4	6.5
21	59	15	34	e17	e26	42	34	39	15	2.1	3.5	7.4
22	32	15	32	e16	e26	36	275	30	13	1.8	3.0	5.6
23	43	15	25	e16	26	32	198	38	12	1.7	2.4	3.6
24	40	14	22	e16	46	27	120	60	10	1.7	2.8	2.7
25	26	14	29	e17	72	25	73	67	8.6	1.5	2.5	2.3
26	21	16	26	e20	105	24	68	38	7.7	1.4	2.0	2.3
27	19	29	17	e18	76	22	81	25	8.4	3.1	1.7	3.5
28	18	39	21	e17	69	95	58	20	9.9	7.8	1.4	3.4
29	17	26	16	e16	60	109	48	18	8.1	6.5	1.2	3.0
30	16	21	15	e18	---	62	39	17	7.4	4.9	1.1	2.4
31	16	---	15	e36	---	42	---	16	---	6.5	1.1	---
TOTAL	651.0	586	930	896	1188	1433	1743	989	876.1	104.1	131.8	65.07
MEAN	21.0	19.5	30.0	28.9	41.0	46.2	58.1	31.9	29.2	3.36	4.25	2.17
MAX	59	58	131	103	140	135	275	67	205	7.8	11	7.4
MIN	5.9	12	14	15	14	17	24	16	7.4	1.2	1.1	.62
CFSM	1.53	1.43	2.19	2.11	2.99	3.37	4.24	2.33	2.13	.25	.31	.16
IN.	1.77	1.59	2.53	2.43	3.23	3.89	4.73	2.69	2.38	.28	.36	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

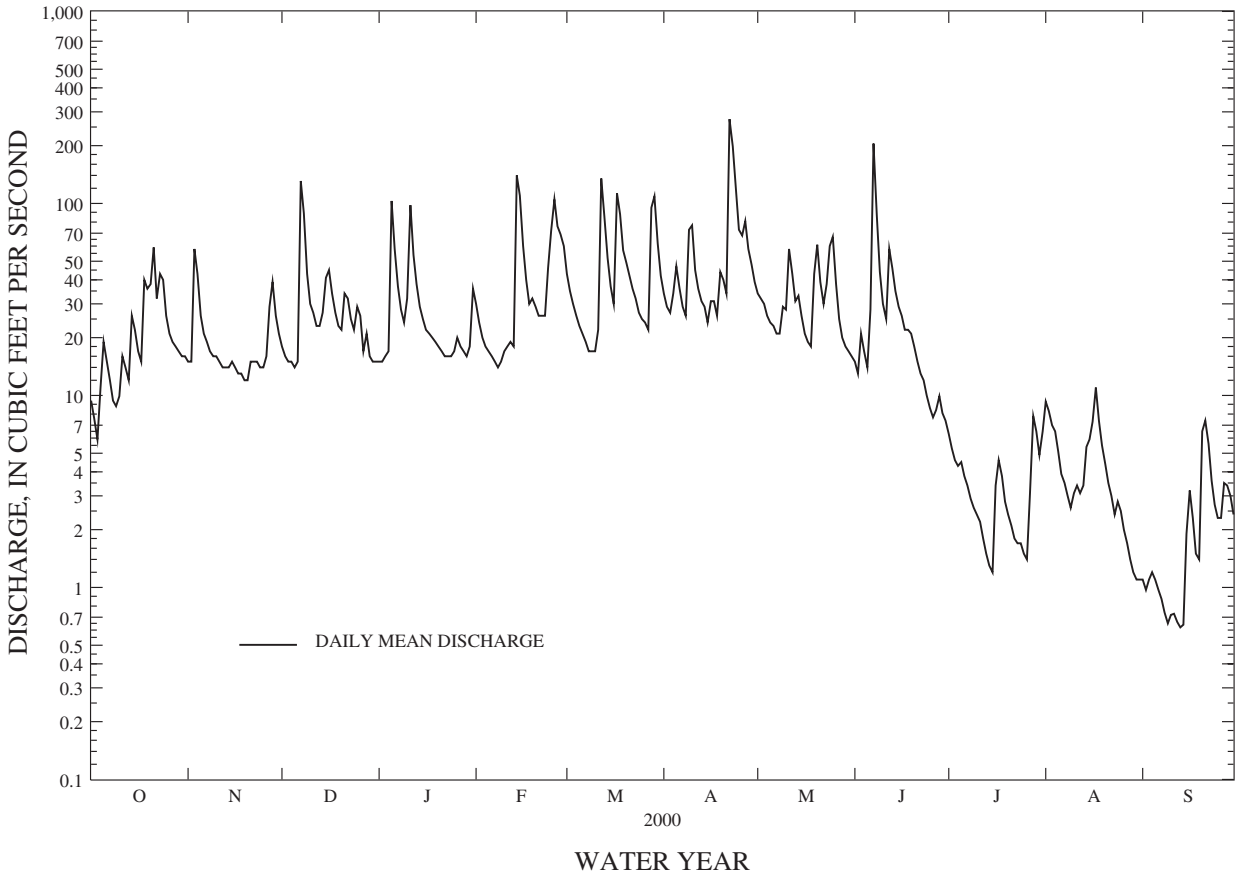
MEAN	15.5	21.0	35.9	52.5	46.8	54.4	48.9	29.0	20.2	8.53	3.10	5.37
MAX	46.9	32.7	103	71.4	59.5	76.5	79.2	52.4	82.9	40.0	6.67	14.9
(WY)	1997	1997	1997	1999	1998	1998	1997	1998	1998	1998	1994	1999
MIN	1.03	12.4	10.2	28.9	30.7	40.2	21.8	19.9	2.91	.85	.070	.52
(WY)	1998	1998	1999	2000	1995	1995	1999	1999	1999	1999	1999	1995

01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	10060.37		9593.07			
ANNUAL MEAN	27.6		26.2		28.7	
HIGHEST ANNUAL MEAN					37.2	1998
LOWEST ANNUAL MEAN					19.3	1995
HIGHEST DAILY MEAN	321	Feb 3	275	Apr 22	447	Jun 14 1998
LOWEST DAILY MEAN	.00	Aug 7	.62	Sep 13	.00	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 7	.68	Sep 8	.00	Aug 7 1999
INSTANTANEOUS PEAK FLOW			375	Apr 22	672	Jun 30 1998
INSTANTANEOUS PEAK STAGE			4.54	Apr 22	6.37	Jun 30 1998
INSTANTANEOUS LOW FLOW			.50	Sep 15	.00	Sep 3 1995
ANNUAL RUNOFF (CFSM)	2.01		1.91		2.10	
ANNUAL RUNOFF (INCHES)	27.32		26.05		28.48	
10 PERCENT EXCEEDS	61		58		63	
50 PERCENT EXCEEDS	17		18		17	
90 PERCENT EXCEEDS	.14		2.3		.92	

e Estimated

PONAGANSET RIVER NEAR SOUTH FOSTER, RI 01115187



01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February to September 2000.
WATER TEMPERATURE: February to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD FEBRUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 120 µS/cm, Feb. 14; minimum, 30 µS/cm, Feb. 17.
WATER TEMPERATURE: Maximum recorded, 25.9°C, Aug. 10; minimum, -0.3°C, on many days during winter periods.

WATER-QUALITY DATA, FEBRUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	57	47	53	55	45	50	56	53	55	54	51	52
2	51	49	50	56	54	55	57	55	56	54	53	53
3	50	49	49	56	54	55	57	56	57	56	52	54
4	49	48	48	57	55	56	58	56	57	57	54	56
5	49	48	49	58	56	57	59	56	57	57	55	56
6	49	49	49	58	56	57	58	57	57	58	57	57
7	49	48	49	61	56	57	60	57	58	60	57	58
8	50	48	49	58	56	57	62	59	60	61	59	60
9	51	49	50	63	56	58	64	54	58	62	57	59
10	50	49	49	60	58	59	57	54	55	62	58	60
11	50	48	49	64	52	58	56	53	54	59	55	57
12	52	48	50	53	49	51	55	53	54	58	57	57
13	52	49	50	50	48	49	59	53	55	57	55	56
14	120	38	51	50	49	49	61	55	57	58	55	56
15	43	36	40	50	49	50	59	55	56	60	56	57
16	41	36	38	51	49	50	64	55	57	60	55	58
17	43	30	38	52	43	48	58	56	57	61	57	59
18	40	38	39	57	45	47	65	56	57	61	57	59
19	43	38	41	49	47	48	80	54	57	59	50	55
20	45	41	42	50	48	49	82	55	59	55	53	54
21	45	40	43	51	50	50	81	55	62	55	53	53
22	46	39	43	51	50	50	80	46	50	57	53	54
23	53	42	46	52	50	51	48	44	46	56	50	53
24	50	45	47	53	50	51	78	46	49	57	50	53
25	49	40	45	53	51	52	83	50	56	60	52	53
26	43	41	42	55	52	53	78	48	50	59	52	53
27	46	41	43	55	52	53	52	49	51	55	53	53
28	45	41	43	62	45	52	52	50	51	61	53	54
29	46	43	44	52	49	50	58	50	52	60	53	54
30	---	---	---	50	49	49	53	49	51	59	53	53
31	---	---	---	55	49	51	---	---	---	59	53	56
MONTH	120	30	46	64	43	52	83	44	55	62	50	56

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	61	55	57	69	57	63	66	64	65	74	71	72
2	62	57	58	70	58	64	69	66	67	75	72	74
3	64	54	56	70	59	61	70	68	69	75	72	74
4	64	57	58	71	58	62	70	66	68	72	70	71
5	65	57	61	70	57	61	68	66	67	71	68	69
6	64	46	57	61	60	60	67	65	66	70	68	69
7	56	43	51	61	60	60	66	64	65	71	70	70
8	52	43	44	60	59	60	66	61	64	72	71	72
9	59	45	48	60	59	60	66	62	64	76	72	74
10	50	48	49	70	60	61	67	59	63	76	73	75
11	56	47	50	74	63	70	63	61	62	74	72	73
12	62	46	53	72	62	64	62	61	62	75	72	74
13	62	48	60	67	64	65	61	59	60	76	75	76
14	62	47	52	76	65	67	62	56	60	77	74	75
15	62	48	52	79	65	69	64	61	62	76	63	71
16	63	49	58	79	58	66	67	62	65	67	63	65
17	75	50	57	76	59	63	67	62	64	69	67	68
18	68	50	57	82	63	67	68	66	67	72	68	70
19	62	51	54	66	64	65	69	68	68	73	62	71
20	62	51	55	67	65	66	69	68	69	69	62	64
21	63	52	56	68	66	67	70	68	69	76	64	71
22	75	53	58	69	68	68	70	68	69	76	74	76
23	67	54	56	68	67	68	69	68	69	79	76	77
24	67	54	58	67	66	67	68	66	67	80	78	79
25	67	54	60	66	65	66	68	67	67	78	76	77
26	68	54	59	66	65	65	68	67	68	77	76	76
27	70	55	64	66	56	64	69	68	68	76	70	72
28	74	56	63	60	56	58	70	68	69	70	68	69
29	69	57	60	63	60	61	70	68	69	70	68	69
30	70	58	62	66	63	65	71	68	69	73	68	70
31	---	---	---	68	64	66	71	70	71	---	---	---
MONTH	75	43	56	82	56	64	71	56	66	80	62	72

01115187 PONAGANSET RIVER NEAR SOUTH FOSTER, RI--Continued

TEMPERATURE, WATER (DEG. C), FEBRUARY TO SEPTEMBER 2000

	FEBRUARY			MARCH			APRIL			MAY		
1	-0.2	-0.2	-0.2	5.4	2.5	3.8	11.9	5.8	8.7	13.7	8.4	10.9
2	-.2	-.2	-.2	4.8	2.9	4.1	12.2	8.4	10.1	13.1	10.8	11.6
3	-.2	-.2	-.2	5.4	1.6	3.3	11.2	9.9	10.3	15.7	8.6	11.9
4	-.2	-.2	-.2	5.8	1.6	3.5	11.8	10.1	10.9	16.6	10.4	13.3
5	-.2	-.2	-.2	5.5	2.9	4.2	11.4	8.5	10.1	18.7	12.5	15.4
6	-.2	-.2	-.2	6.2	2.4	4.3	10.0	6.8	8.2	18.8	15.2	17.0
7	-.2	-.2	-.2	7.2	2.2	4.6	13.1	7.5	10.1	21.5	14.9	18.1
8	-.2	-.2	-.2	8.6	5.0	6.7	16.3	9.8	12.8	22.9	17.7	20.3
9	-.2	-.2	-.2	10.9	5.6	8.2	14.8	9.1	12.6	24.6	18.4	21.2
10	-.1	-.2	-.2	11.1	8.1	9.5	11.3	6.8	8.9	21.0	14.1	16.6
11	-.1	-.2	-.2	8.7	5.4	6.6	9.0	6.5	7.8	15.1	12.8	13.9
12	.0	-.3	-.2	5.7	4.6	5.3	10.9	7.5	8.7	16.0	12.6	14.4
13	.0	-.2	-.2	6.2	3.0	4.5	11.8	5.7	8.5	14.8	13.3	13.9
14	.0	-.2	-.1	7.1	2.2	4.5	12.6	6.6	9.4	19.0	13.2	15.7
15	.2	-.2	-.1	8.6	3.8	6.0	12.5	8.4	10.3	17.0	13.5	15.3
16	.2	-.3	-.1	10.0	6.4	8.2	13.7	11.5	12.4	17.4	11.6	14.4
17	.3	-.3	-.1	8.9	2.7	5.7	12.7	10.4	11.6	18.2	13.3	15.6
18	-.2	-.2	-.2	4.9	.8	2.7	10.4	8.7	9.3	17.3	14.7	15.9
19	-.1	-.2	-.2	6.4	1.2	3.5	8.7	7.7	8.1	16.4	12.0	14.1
20	.3	-.2	-.1	6.8	3.1	4.8	12.6	7.4	9.6	12.9	11.1	11.9
21	.3	-.3	.0	5.2	4.4	4.9	11.0	8.5	9.8	12.6	11.6	12.1
22	.4	-.3	.0	6.3	4.2	5.0	8.5	7.5	7.9	13.1	11.8	12.4
23	1.1	-.3	.4	10.1	4.2	6.7	7.9	7.2	7.4	14.0	11.6	12.7
24	2.0	.5	1.0	11.5	5.6	8.3	9.8	6.8	8.2	15.6	12.7	13.9
25	1.3	.8	1.0	10.4	6.1	8.4	12.3	7.3	9.5	18.0	14.2	15.9
26	1.2	.6	.9	12.6	8.2	10.1	9.6	6.5	7.9	19.0	14.2	16.3
27	3.8	1.1	2.4	11.6	7.2	9.5	8.8	6.1	7.3	18.4	14.3	16.3
28	4.4	3.1	3.9	10.8	8.9	9.9	9.0	6.8	7.9	16.3	14.6	15.4
29	5.1	2.0	3.3	10.3	8.2	9.1	11.8	6.5	8.8	15.8	13.5	14.6
30	---	---	---	9.6	7.6	8.6	14.1	8.4	10.9	16.6	12.3	14.1
31	---	---	---	10.4	6.3	8.2	---	---	---	18.7	13.0	15.5
MONTH	5.1	-.3	.3	12.6	.8	6.2	16.3	5.7	9.5	24.6	8.4	14.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.4	14.5	17.6	23.7	19.0	21.4	19.5	18.2	18.9	24.1	22.3	23.2
2	22.8	17.1	19.7	24.0	19.5	21.8	22.4	18.7	20.2	23.8	21.1	22.9
3	22.2	17.6	19.7	23.7	20.5	22.2	22.9	20.7	21.8	22.2	20.1	21.2
4	19.9	15.6	17.9	24.8	21.9	23.2	24.8	21.1	22.8	23.2	20.5	22.2
5	18.9	16.2	17.5	25.0	22.0	23.6	24.4	21.1	22.8	20.5	16.4	18.0
6	17.2	13.2	14.9	23.5	20.3	22.1	23.0	20.1	21.4	17.2	14.3	15.9
7	14.7	11.7	13.2	22.3	20.1	21.1	24.1	20.8	22.0	16.8	13.1	15.0
8	15.9	12.5	14.4	20.9	17.9	19.5	25.7	22.5	24.0	17.9	14.7	16.1
9	18.1	14.8	16.4	21.2	18.1	19.8	25.4	22.8	24.1	19.7	17.8	18.6
10	22.5	16.6	19.2	24.0	20.5	22.0	25.9	22.9	24.4	19.6	17.0	18.3
11	22.5	18.3	20.1	23.7	20.2	22.1	24.8	22.3	23.7	20.2	18.1	18.9
12	18.3	14.9	16.4	23.5	19.4	21.7	23.8	20.7	22.1	20.4	18.1	19.0
13	17.6	14.0	15.5	23.3	19.5	21.7	20.7	19.6	20.1	21.6	19.4	20.6
14	16.4	14.7	15.6	23.3	20.1	22.0	19.6	18.5	18.8	19.4	16.5	17.9
15	16.4	14.9	15.6	22.4	21.1	21.7	19.8	18.0	18.7	19.3	17.7	18.4
16	22.2	15.9	18.6	24.0	20.8	22.1	20.5	18.7	19.5	17.8	15.7	16.6
17	24.5	19.3	21.6	23.5	21.0	22.5	21.1	16.7	18.8	16.5	13.9	15.3
18	21.7	19.0	20.0	24.5	21.8	23.1	19.4	15.8	17.1	18.1	14.6	16.4
19	19.9	18.0	18.9	23.4	19.3	20.8	20.9	16.6	18.4	18.5	16.5	17.6
20	22.2	16.6	19.2	21.5	17.7	19.5	19.8	16.9	18.3	21.8	17.7	19.4
21	22.3	17.1	19.6	22.0	18.1	20.3	19.4	16.0	17.8	20.4	17.5	19.0
22	23.2	19.1	20.9	23.6	21.0	22.2	19.6	16.2	18.0	19.2	15.9	17.3
23	24.0	19.2	21.5	22.9	19.4	21.4	18.6	16.6	17.8	16.9	14.4	15.4
24	23.7	18.5	21.2	22.5	19.5	21.2	21.3	17.8	19.3	17.6	15.9	16.7
25	24.7	19.4	21.9	21.4	19.9	20.5	21.6	18.2	20.1	17.2	14.7	15.6
26	25.2	21.5	23.3	19.9	18.6	19.3	21.6	18.0	20.0	15.5	12.9	14.3
27	25.6	22.4	23.9	18.6	18.1	18.3	22.1	18.3	20.4	15.3	11.6	13.3
28	25.0	20.4	22.6	19.8	17.3	18.4	21.5	20.0	20.7	14.5	11.7	13.1
29	23.5	20.7	21.6	20.5	18.1	19.2	20.5	17.9	19.4	11.7	9.6	10.8
30	23.5	19.5	21.3	21.1	19.0	20.0	20.7	17.9	19.4	12.2	9.0	10.7
31	---	---	---	20.8	19.2	19.8	22.7	20.2	21.4	---	---	---
MONTH	25.6	11.7	19.0	25.0	17.3	21.1	25.9	15.8	20.4	24.1	9.0	17.3

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 to September 2000.
WATER TEMPERATURE: February to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD FEBRUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 217 µS/cm, Feb. 14; minimum, 46 µS/cm, Feb. 9.
WATER TEMPERATURE: Maximum recorded, 25.4°C, Aug. 8; minimum, -0.3°C, Feb. 13.

WATER-QUALITY DATA, FEBRUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	78	72	73	80	73	75	81	70	73
2	---	---	---	77	73	75	83	74	77	80	72	75
3	---	---	---	78	74	75	82	77	79	80	73	75
4	---	---	---	78	74	75	82	77	79	80	73	76
5	---	---	---	77	74	76	80	75	77	100	75	80
6	---	---	---	79	74	75	78	74	76	78	71	74
7	---	---	---	81	71	74	82	77	80	93	73	78
8	---	---	---	83	70	72	86	80	82	91	78	81
9	78	46	71	77	71	73	90	75	84	81	73	79
10	82	72	77	79	70	74	80	74	77	85	78	81
11	84	76	79	87	69	75	80	79	79	84	73	77
12	79	71	74	86	72	79	80	77	79	78	74	75
13	84	64	75	87	74	80	79	76	77	85	74	79
14	217	62	86	80	73	75	81	77	79	79	74	76
15	75	63	70	77	73	75	82	79	80	76	70	73
16	68	62	64	82	74	77	85	81	83	72	70	71
17	69	60	64	90	67	75	81	78	80	74	72	73
18	69	60	65	101	78	89	81	78	79	77	73	74
19	114	64	67	94	76	80	81	76	78	83	71	77
20	74	66	69	80	75	78	81	76	78	71	65	69
21	76	65	70	80	76	78	83	80	81	74	70	71
22	78	64	71	82	77	78	80	62	69	76	74	74
23	84	68	76	80	77	78	74	61	64	78	72	74
24	81	74	77	84	77	80	68	64	65	77	69	72
25	83	72	77	86	79	81	70	64	67	74	70	72
26	75	69	72	86	80	82	70	65	67	76	73	74
27	78	72	74	87	80	83	67	65	66	78	74	76
28	76	69	72	98	70	80	71	66	68	76	75	75
29	76	69	71	80	75	78	74	68	70	77	75	75
30	---	---	---	76	73	75	77	70	73	77	74	76
31	---	---	---	77	73	75	---	---	---	81	76	77
MONTH	---	---	---	101	67	77	90	61	76	100	65	75

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	79	77	78	95	88	90	105	102	104	117	114	115
2	95	78	80	101	90	92	105	103	104	115	113	115
3	82	77	80	96	90	91	108	98	104	113	107	111
4	79	77	77	103	92	93	101	98	99	113	111	112
5	82	78	80	97	92	94	103	97	100	112	110	111
6	88	74	83	102	83	89	105	93	98	112	109	110
7	74	65	68	85	82	83	94	92	93	112	108	110
8	70	66	67	86	83	85	92	68	84	114	111	113
9	68	66	67	86	84	85	74	71	72	115	112	114
10	70	68	69	86	85	86	79	61	74	114	113	114
11	78	69	71	85	82	83	85	79	82	115	113	114
12	75	66	68	87	84	85	87	73	80	120	113	116
13	70	66	68	87	84	85	85	76	81	117	111	113
14	73	70	72	87	85	86	106	68	96	115	112	113
15	72	70	71	87	72	80	106	86	99	113	63	105
16	72	70	71	80	76	79	94	77	88	114	105	111
17	76	72	73	86	80	83	91	86	89	117	113	114
18	76	73	74	92	86	89	96	90	93	119	113	115
19	76	74	76	92	90	91	99	96	97	117	59	112
20	78	76	77	92	90	91	103	98	101	111	95	105
21	80	78	79	94	90	91	101	95	100	116	111	114
22	81	79	80	94	75	87	97	94	96	117	114	116
23	85	81	83	80	75	77	99	81	92	119	115	116
24	85	83	84	83	80	81	97	83	92	120	115	119
25	85	83	84	85	83	84	101	96	100	121	114	118
26	86	84	85	85	82	83	101	96	99	120	113	118
27	95	84	86	94	76	83	99	95	96	120	113	117
28	90	84	87	100	94	98	102	98	100	119	114	117
29	88	86	87	98	95	97	111	100	106	114	111	113
30	91	86	88	97	94	95	114	108	112	116	112	114
31	---	---	---	106	81	97	116	112	114	---	---	---
MONTH	95	65	77	106	72	88	116	61	95	121	59	114

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

TEMPERATURE, WATER (DEG. C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	4.5	2.5	3.5	11.2	7.5	9.6	12.9	9.8	11.5
2	---	---	---	4.1	3.2	3.7	11.8	9.5	10.8	13.0	11.7	12.2
3	---	---	---	4.4	2.3	3.4	11.7	11.0	11.2	15.0	10.2	12.6
4	---	---	---	4.7	2.5	3.8	12.1	10.9	11.5	16.3	11.9	14.0
5	---	---	---	4.8	3.5	4.3	11.9	10.1	11.0	18.1	14.1	16.0
6	---	---	---	5.5	3.2	4.3	10.3	8.6	9.4	18.9	16.1	17.5
7	---	---	---	5.9	3.2	4.7	12.4	8.9	10.7	21.3	16.2	18.8
8	---	---	---	7.4	5.0	6.1	14.9	11.2	13.1	22.7	18.3	20.5
9	0.4	-0.2	0.0	8.7	5.7	7.2	14.9	10.7	13.3	24.1	19.6	21.7
10	1.1	-.1	.3	9.4	7.2	8.2	11.8	8.8	10.4	20.9	15.4	17.8
11	.6	.1	.4	7.9	6.3	7.2	10.3	8.0	8.9	16.3	14.2	15.2
12	.8	-.2	.1	6.3	5.2	5.7	10.4	8.4	9.3	16.6	14.1	15.4
13	.9	-.3	.2	5.8	3.7	4.9	10.6	7.3	9.1	15.8	14.3	14.6
14	.6	.0	.3	6.0	3.6	5.0	11.6	8.2	10.0	18.8	14.0	16.2
15	.6	-.1	.1	7.6	4.8	6.2	12.1	9.9	11.0	17.4	15.1	16.4
16	.7	-.1	.2	9.5	6.9	8.3	13.4	11.9	12.5	17.4	13.6	15.6
17	.7	-.2	.2	9.2	3.1	6.1	12.8	11.5	12.2	18.1	15.0	16.6
18	.2	-.2	-.1	3.7	1.4	2.7	11.5	9.4	10.3	17.5	16.1	16.8
19	.3	-.2	.1	5.2	2.5	3.9	9.4	8.5	8.8	16.9	12.9	15.0
20	1.0	.0	.4	6.2	3.8	5.0	12.0	8.0	9.9	13.8	12.3	13.1
21	1.1	-.2	.4	5.7	4.9	5.2	11.7	9.1	10.4	13.3	12.6	13.0
22	1.2	-.2	.4	6.0	4.7	5.2	9.1	8.1	8.5	13.5	12.6	13.1
23	1.6	.1	.8	8.6	4.8	6.8	8.4	7.9	8.1	14.3	12.3	13.2
24	1.9	.8	1.4	9.9	6.4	8.4	9.9	7.5	8.6	15.7	13.1	14.2
25	1.5	.8	1.2	9.8	7.2	8.8	11.8	7.7	9.8	18.2	14.6	16.3
26	1.0	.7	.8	11.8	8.9	10.3	10.6	7.3	8.6	19.0	15.2	17.1
27	2.6	.8	1.7	11.8	8.7	10.3	9.0	6.8	7.8	18.8	15.9	17.4
28	3.1	2.3	2.7	11.2	10.0	10.6	8.9	7.2	8.1	17.5	16.1	16.6
29	4.2	2.0	3.0	11.0	9.4	10.1	11.1	7.2	9.1	16.2	14.9	15.6
30	---	---	---	10.2	8.7	9.5	13.0	9.5	11.2	16.4	14.1	15.1
31	---	---	---	10.3	7.7	9.1	---	---	---	18.0	14.3	16.0
MONTH	---	---	---	11.8	1.4	6.4	14.9	6.8	10.1	24.1	9.8	15.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.8	15.7	18.1	22.7	18.9	21.0	19.6	18.7	19.2	22.7	20.1	21.2
2	22.1	18.0	19.9	22.8	19.1	21.2	21.3	19.0	20.0	22.0	19.4	20.9
3	21.6	18.9	20.3	23.0	19.8	21.6	22.1	20.9	21.5	21.0	18.6	19.7
4	20.3	17.5	19.0	23.4	21.5	22.5	22.7	20.8	21.7	21.7	18.6	20.6
5	19.1	17.5	18.2	23.3	21.0	22.2	22.0	19.7	20.9	18.6	14.2	16.2
6	17.7	14.1	16.1	21.7	18.4	20.3	20.8	18.0	19.7	15.6	12.1	13.9
7	15.7	13.2	14.3	20.6	18.8	19.8	22.8	20.4	21.5	15.6	11.1	13.4
8	16.6	13.4	15.1	19.6	16.6	18.3	25.4	21.5	23.1	17.2	12.8	14.9
9	18.3	15.1	16.6	19.9	16.8	18.6	24.8	22.4	23.5	19.2	16.3	17.5
10	22.1	16.9	19.3	22.5	19.8	21.0	24.9	22.9	23.9	18.8	15.4	17.1
11	22.1	19.1	20.4	21.9	19.0	20.5	23.7	21.2	22.6	19.5	16.1	17.4
12	19.3	16.6	17.6	21.1	17.3	19.4	22.5	20.6	21.6	20.0	16.0	17.9
13	18.3	15.6	16.9	21.2	17.4	19.6	20.6	19.5	19.9	20.8	17.6	19.4
14	17.0	15.5	16.3	21.8	18.4	20.1	19.5	18.7	19.0	18.6	14.6	16.6
15	16.8	15.9	16.3	21.9	19.6	20.7	19.9	18.6	19.1	17.8	15.9	17.0
16	21.5	16.6	18.8	23.5	20.5	21.8	20.5	18.9	19.6	16.5	14.4	15.5
17	23.3	19.8	21.5	22.8	21.1	22.1	20.1	17.7	18.9	15.3	12.0	13.9
18	21.9	19.7	20.5	23.5	21.1	22.2	18.4	16.0	17.4	16.8	13.4	15.2
19	20.4	18.9	19.6	21.7	18.4	19.5	19.4	17.2	18.3	17.8	14.7	16.1
20	22.0	17.9	19.9	20.1	16.8	18.4	18.4	15.9	17.3	20.4	17.2	18.7
21	21.8	18.5	20.3	20.0	15.9	18.2	18.1	14.5	16.6	19.3	17.2	18.5
22	22.8	20.5	21.5	22.8	19.2	20.8	18.3	14.9	16.8	17.2	14.7	15.9
23	23.0	20.2	21.6	21.4	18.5	20.1	18.5	15.2	17.0	15.8	12.4	14.3
24	22.8	19.1	21.1	20.7	17.8	19.4	19.7	17.5	18.6	17.8	15.8	16.8
25	23.4	19.8	21.7	19.5	18.4	18.9	19.6	16.6	18.3	16.4	13.4	14.4
26	24.0	21.9	22.9	18.7	18.0	18.4	19.7	16.2	18.2	13.6	12.4	12.9
27	25.1	22.3	23.4	18.4	17.8	18.0	20.3	16.9	18.8	14.2	11.4	12.9
28	24.1	21.0	22.5	19.2	17.8	18.4	20.0	18.5	19.3	13.3	10.9	12.4
29	22.7	21.3	21.8	19.6	17.8	18.8	19.3	16.4	17.8	11.0	8.2	9.8
30	22.5	20.1	21.3	20.0	18.6	19.4	18.6	15.5	17.2	11.3	7.3	9.4
31	---	---	---	19.9	19.2	19.4	21.6	18.3	19.8	---	---	---
MONTH	25.1	13.2	19.4	23.5	15.9	20.0	25.4	14.5	19.6	22.7	7.3	16.0

01115265 HEMLOCK BROOK AT KING ROAD NEAR CLAYVILLE, RI

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February to September 2000.
WATER TEMPERATURE: February to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD FEBRUARY TO SEPTEMBER 2000
SPECIFIC CONDUCTANCE: Maximum recorded, 115 µS/cm, July 24; minimum, 24 µS/cm, Feb. 18.
WATER TEMPERATURE: Maximum recorded, 25.0°C, June 27; minimum, -0.2°C, Feb. 17.

WATER-QUALITY DATA, FEBRUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	61	61	61	58	46	51	61	59	60	65	61	63
2	61	58	59	52	46	49	64	61	63	66	64	65
3	59	58	59	53	46	50	66	64	65	67	63	65
4	59	58	59	58	53	56	67	65	66	68	65	67
5	59	58	59	61	58	60	68	65	67	69	68	68
6	59	58	58	65	61	63	65	64	64	70	69	70
7	59	58	58	68	65	66	67	63	65	72	70	71
8	59	58	59	67	66	67	69	66	67	75	71	72
9	60	59	59	69	67	68	68	66	67	76	74	74
10	61	59	60	70	68	69	67	60	63	76	71	73
11	60	58	59	69	59	67	60	59	60	74	70	72
12	60	58	59	63	58	60	63	60	61	71	68	69
13	59	57	58	58	55	56	65	62	63	68	66	67
14	57	41	48	60	57	58	67	63	65	69	65	67
15	43	37	39	62	60	61	69	66	67	70	69	69
16	41	38	40	66	62	64	69	66	67	70	67	69
17	45	41	43	66	58	60	69	66	68	72	69	70
18	45	24	38	60	54	57	66	62	64	72	71	71
19	48	27	37	61	56	59	63	61	62	72	66	69
20	50	48	49	64	61	63	63	61	62	70	60	65
21	52	42	49	65	64	64	62	56	61	60	57	58
22	52	46	50	66	65	65	56	42	48	60	57	58
23	56	51	52	67	66	66	45	41	43	58	56	57
24	54	47	51	70	67	68	49	45	47	58	54	56
25	47	42	44	71	68	70	54	49	52	54	50	53
26	42	40	41	72	69	71	54	53	54	53	50	51
27	45	40	42	72	70	71	55	54	55	56	53	54
28	43	42	42	71	62	66	57	55	56	58	56	57
29	48	41	45	66	58	61	60	57	58	59	57	58
30	---	---	---	61	58	59	62	59	61	62	59	60
31	---	---	---	62	60	61	---	---	---	64	62	63
MONTH	61	24	51	72	46	62	69	41	61	76	50	65

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	67	64	65	86	83	85	102	92	97	102	99	100
2	69	67	68	86	84	85	104	100	102	102	101	102
3	70	67	68	88	84	85	103	98	100	101	99	100
4	72	70	72	86	85	85	99	97	98	100	98	99
5	72	70	71	85	84	85	100	97	98	98	95	96
6	70	55	67	86	83	84	99	96	97	97	95	96
7	56	47	52	86	84	85	100	96	97	98	95	96
8	48	45	46	88	83	84	100	96	98	99	97	98
9	53	48	50	89	83	85	100	96	98	100	98	99
10	57	53	55	89	84	86	98	88	92	100	99	99
11	60	57	58	91	85	87	94	91	92	100	98	99
12	60	57	58	87	85	86	96	92	94	101	99	100
13	59	57	57	91	85	86	95	93	94	101	100	100
14	57	56	57	94	85	86	93	85	88	100	98	99
15	59	57	58	90	83	86	92	89	91	99	85	92
16	61	59	60	84	80	82	94	90	92	94	86	90
17	64	61	62	104	84	87	102	91	97	98	94	96
18	64	63	63	92	88	90	102	100	101	100	98	99
19	65	63	64	93	90	90	101	99	100	102	87	100
20	68	65	66	92	88	90	100	98	99	108	86	96
21	69	67	68	95	91	92	98	97	98	109	108	109
22	71	69	70	107	94	96	98	97	97	111	109	110
23	72	70	71	110	95	97	98	95	97	110	109	110
24	74	71	72	115	97	98	96	94	95	110	108	109
25	77	74	76	98	96	96	97	94	95	108	106	107
26	77	76	76	96	94	95	97	95	96	106	101	104
27	77	75	76	95	84	90	98	94	96	102	98	100
28	78	75	76	106	83	87	98	96	97	103	100	101
29	84	78	80	115	91	93	97	95	96	102	98	100
30	86	82	84	97	94	96	97	95	96	104	98	101
31	---	---	---	96	90	93	100	97	98	---	---	---
MONTH	86	45	66	115	80	89	104	85	96	111	85	100

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

TEMPERATURE, WATER (DEG. C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-0.1	-0.1	-0.1	3.0	0.9	1.9	11.2	7.3	9.3	13.4	9.8	11.6
2	-.1	-.1	-.1	3.2	2.2	2.7	11.8	9.1	10.4	13.3	11.5	12.1
3	.0	-.1	-.1	3.9	1.4	2.6	11.1	10.5	10.8	14.8	9.6	12.2
4	.0	-.1	-.1	4.7	1.6	3.0	11.6	10.4	11.0	16.3	11.4	13.7
5	.0	-.1	-.1	4.9	2.8	3.9	11.8	9.7	10.6	18.3	13.6	15.9
6	.0	-.1	-.1	5.8	2.7	4.1	9.7	7.9	8.8	19.0	16.2	17.6
7	.0	-.1	.0	6.3	2.8	4.5	12.3	7.9	10.0	20.9	16.1	18.6
8	.0	-.1	-.1	7.9	5.0	6.3	15.4	10.5	12.8	22.8	18.5	20.6
9	.0	-.1	-.1	9.9	6.1	8.0	14.5	10.1	13.1	24.3	20.1	22.1
10	.1	-.1	.0	10.6	8.4	9.3	10.9	7.7	9.3	21.7	15.3	18.1
11	.0	-.1	.0	8.7	5.8	7.2	9.1	7.2	8.0	15.3	13.8	14.6
12	.1	-.1	.0	5.8	4.6	5.4	10.5	7.6	8.8	15.5	13.4	14.6
13	.1	-.2	.0	5.9	3.2	4.5	10.9	6.8	8.8	14.9	13.9	14.3
14	.0	-.1	-.1	5.9	2.6	4.4	11.9	7.3	9.5	17.8	13.3	15.4
15	.0	-.1	-.1	7.3	4.2	5.7	11.8	9.2	10.6	17.1	14.5	15.9
16	.0	-.1	-.1	9.1	6.4	7.9	13.4	11.5	12.3	16.9	12.9	15.0
17	.1	-.2	-.1	8.9	3.2	6.1	12.6	10.9	11.9	17.7	14.2	16.0
18	-.1	-.1	-.1	4.0	1.1	2.6	10.9	8.8	9.7	17.0	15.8	16.4
19	-.1	-.1	-.1	4.8	1.2	3.0	8.8	7.8	8.2	16.3	12.6	14.6
20	.1	-.1	-.1	5.6	3.2	4.4	11.5	7.4	9.3	12.6	11.4	12.0
21	.3	-.2	.0	5.2	4.4	4.8	11.2	8.9	10.3	12.1	11.5	11.8
22	.3	-.1	.0	5.9	4.2	4.8	8.9	7.9	8.2	12.5	11.6	12.1
23	.6	-.2	.2	8.6	4.4	6.4	7.9	7.3	7.5	13.2	11.6	12.4
24	.8	.1	.3	10.5	6.1	8.2	9.7	6.9	8.2	14.6	12.6	13.4
25	.2	.1	.1	10.2	6.8	8.7	11.6	7.6	9.6	16.8	14.0	15.3
26	.2	.0	.1	12.2	8.6	10.2	10.5	6.9	8.4	17.5	14.4	15.9
27	1.0	.1	.4	11.7	8.3	10.1	8.4	6.3	7.3	17.6	15.0	16.3
28	1.1	.4	.8	10.8	9.5	10.2	9.0	7.1	8.0	16.5	15.0	15.5
29	2.3	.2	1.1	10.7	8.6	9.6	11.2	7.2	9.1	15.2	13.8	14.5
30	---	---	---	9.5	8.1	8.9	13.6	9.4	11.3	15.1	13.0	13.9
31	---	---	---	10.4	7.1	8.8	---	---	---	16.5	13.4	14.8
MONTH	2.3	-.2	.1	12.2	.9	6.1	15.4	6.3	9.7	24.3	9.6	15.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.9	15.1	16.9	22.9	18.9	20.8	19.2	18.4	18.8	23.3	20.9	22.0
2	21.2	18.0	19.4	23.3	19.2	21.1	20.8	18.7	19.6	22.9	20.5	21.9
3	20.8	18.6	19.7	23.4	20.2	21.7	21.8	20.2	20.9	21.5	19.6	20.5
4	19.9	17.3	18.7	24.0	21.3	22.5	23.2	20.6	21.6	22.0	20.0	21.2
5	18.5	17.2	17.9	24.1	21.1	22.5	22.7	20.0	21.3	20.0	16.5	17.8
6	17.2	13.5	15.7	22.7	19.2	21.0	21.3	19.0	20.3	17.3	14.5	15.9
7	14.2	12.2	13.2	21.2	19.1	20.2	23.5	20.2	21.5	17.2	13.1	15.3
8	14.7	12.6	13.7	20.7	17.4	19.0	24.5	21.6	22.9	18.3	15.0	16.5
9	16.8	14.3	15.5	20.8	17.5	19.2	24.5	21.5	22.8	19.3	17.4	18.4
10	20.6	16.2	18.3	23.2	19.8	21.2	24.5	21.9	23.2	19.5	16.7	18.2
11	21.4	18.6	19.9	22.7	19.3	21.0	23.6	20.9	22.2	19.8	17.6	18.6
12	19.3	15.2	16.9	22.1	18.2	20.2	21.9	20.2	21.0	20.4	17.7	19.0
13	16.3	14.3	15.3	22.2	18.4	20.4	20.2	19.1	19.7	21.1	19.5	20.4
14	15.7	14.6	15.2	22.5	19.7	21.1	19.5	18.5	18.8	19.5	16.5	18.1
15	15.7	14.8	15.2	21.7	20.3	20.9	19.6	18.4	18.9	18.6	17.1	17.9
16	19.9	15.6	17.6	23.1	19.9	21.3	20.1	18.6	19.3	17.4	15.1	16.4
17	22.5	19.3	20.8	23.1	20.5	21.6	19.9	17.6	18.7	16.6	13.6	15.0
18	21.7	19.6	20.3	23.8	20.5	22.0	18.4	16.6	17.4	17.8	14.2	15.9
19	19.6	18.8	19.2	22.1	18.8	19.8	19.8	17.1	18.2	17.9	15.6	16.8
20	20.7	17.4	19.0	21.2	17.5	19.1	19.1	16.6	17.7	19.6	17.1	18.2
21	21.2	18.5	19.8	21.6	17.4	19.5	18.8	15.4	17.0	19.6	18.0	18.7
22	22.3	19.8	20.8	22.8	19.9	21.2	19.2	15.4	17.3	18.0	16.0	17.0
23	23.0	19.8	21.2	21.7	18.5	20.2	18.4	16.4	17.5	16.1	14.3	15.4
24	22.9	19.3	21.1	21.5	18.5	20.1	20.4	17.4	18.7	17.7	16.0	16.8
25	23.6	20.1	21.7	20.5	19.0	19.5	20.8	17.3	19.0	16.7	14.4	15.2
26	24.4	21.5	22.7	19.2	18.3	18.7	20.9	17.2	19.0	14.7	13.0	13.8
27	25.0	22.2	23.2	18.5	17.9	18.2	21.6	17.8	19.7	15.1	11.9	13.4
28	23.7	21.0	22.2	19.4	17.7	18.4	20.8	19.3	20.1	13.9	11.9	13.1
29	22.0	20.8	21.4	19.9	18.0	18.9	20.2	17.4	18.9	12.4	10.0	11.1
30	22.3	19.7	20.9	20.2	18.5	19.3	19.5	17.1	18.4	12.4	8.6	10.4
31	---	---	---	19.7	18.7	19.1	22.4	19.1	20.4	---	---	---
MONTH	25.0	12.2	18.8	24.1	17.4	20.3	24.5	15.4	19.7	23.3	8.6	17.0

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 to September 2000.
WATER TEMPERATURE: January to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD JANUARY TO SEPTEMBER 2000
SPECIFIC CONDUCTANCE: Maximum recorded, 332 µS/cm, Sept. 11; minimum, 69 µS/cm, Apr. 22.
WATER TEMPERATURE: Maximum recorded, 20.2°C, May 9; minimum, -0.1°C, on many days during winter periods.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	164	156	160
16	---	---	---	---	---	---	---	---	---	175	158	167
17	---	---	---	---	---	---	---	---	---	165	152	160
18	---	---	---	---	---	---	---	---	---	191	160	174
19	---	---	---	---	---	---	---	---	---	185	174	179
20	---	---	---	---	---	---	---	---	---	190	172	180
21	---	---	---	---	---	---	---	---	---	186	169	179
22	---	---	---	---	---	---	---	---	---	174	170	173
23	---	---	---	---	---	---	---	---	---	178	170	173
24	---	---	---	---	---	---	---	---	---	193	178	187
25	---	---	---	---	---	---	---	---	---	191	157	174
26	---	---	---	---	---	---	---	---	---	194	183	187
27	---	---	---	---	---	---	---	---	---	189	169	181
28	---	---	---	---	---	---	---	---	---	180	168	174
29	---	---	---	---	---	---	---	---	---	197	176	185
30	---	---	---	---	---	---	---	---	---	199	174	188
31	---	---	---	---	---	---	---	---	---	197	170	176
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	185	172	179	155	149	152	162	151	154	152	139	148
2	187	172	180	159	151	154	167	152	157	153	149	151
3	197	169	186	162	159	161	164	154	157	162	152	156
4	197	190	194	166	160	163	160	130	145	164	157	160
5	198	192	196	165	160	163	150	132	143	168	161	163
6	200	190	195	169	163	166	156	150	154	172	167	169
7	201	194	199	172	164	167	163	154	159	---	---	---
8	202	172	189	167	164	165	172	161	165	e179	e171	e174
9	206	182	196	168	165	167	167	116	132	e178	e174	e177
10	203	192	198	169	161	165	151	129	143	e178	e142	e163
11	192	175	186	170	94	152	156	151	154	154	132	141
12	193	176	185	120	88	101	156	150	153	169	154	161
13	202	173	190	146	120	136	162	156	160	169	161	168
14	200	81	126	154	146	150	165	161	163	166	146	155
15	142	97	126	154	150	152	167	164	165	175	166	170
16	155	142	149	158	150	154	166	133	146	180	170	175
17	164	151	158	150	94	107	156	146	151	e184	e175	e180
18	172	143	158	140	122	134	158	136	153	183	171	180
19	172	160	167	149	138	143	138	125	131	171	119	140
20	174	172	173	148	141	144	157	138	149	155	129	145
21	177	172	174	150	144	148	156	106	149	165	155	160
22	179	167	172	152	149	150	106	69	84	170	165	167
23	176	145	165	154	152	153	111	90	100	166	138	148
24	150	129	140	158	153	156	126	111	120	159	114	133
25	213	124	137	159	156	158	132	126	130	151	116	132
26	131	119	123	166	158	160	132	121	128	168	151	159
27	138	131	135	169	158	163	132	122	127	175	165	170
28	137	125	131	166	85	112	140	129	136	183	172	174
29	150	136	145	140	112	125	147	140	143	184	169	172
30	---	---	---	152	134	142	153	145	149	173	169	171
31	---	---	---	159	145	150	---	---	---	181	170	175
MONTH	213	81	167	172	85	149	172	69	143	---	---	---

e Estimated

01115275 BEAR TREE BROOK NEAR CLAYVILLE, RI--Continued

SPECIFIC CONDUCTANCE (μ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	188	178	182	251	230	238	221	184	205	280	271	275
2	194	164	185	254	238	245	239	221	226	280	274	278
3	173	152	161	260	247	253	240	214	229	282	279	281
4	e182	e171	e176	257	247	251	260	225	238	284	261	280
5	183	178	181	259	244	250	277	254	262	264	250	257
6	179	84	145	262	251	256	275	257	264	271	264	268
7	118	79	96	266	251	258	263	247	255	272	262	267
8	165	118	141	266	236	255	272	252	260	274	268	272
9	e178	e165	e170	272	263	267	278	260	269	285	273	279
10	e193	e174	e181	268	257	261	278	175	218	316	285	301
11	e196	e170	e183	288	265	271	263	241	249	332	313	323
12	e153	e134	e142	294	276	284	262	249	254	313	286	293
13	177	153	165	292	284	288	264	227	255	304	286	294
14	177	167	172	301	269	289	244	143	173	314	300	307
15	178	175	177	298	200	284	230	198	218	e300	e176	e229
16	196	178	184	244	189	213	232	158	199	e200	e184	e190
17	198	173	188	264	244	255	226	160	195	228	200	213
18	e191	e173	e182	271	259	263	232	224	227	258	228	244
19	191	155	167	267	260	264	247	224	232	294	258	273
20	201	177	186	290	260	270	262	238	247	294	205	225
21	216	196	203	290	279	284	271	250	258	240	224	233
22	212	199	205	304	273	284	278	259	266	251	239	244
23	226	203	212	320	272	293	278	253	268	264	247	254
24	231	213	220	306	290	297	264	225	243	265	264	264
25	237	220	226	298	283	289	278	257	265	280	263	273
26	234	221	225	290	262	278	281	266	273	279	272	276
27	227	190	217	262	186	216	283	268	276	275	236	264
28	228	191	210	256	202	235	286	268	276	264	226	241
29	228	220	224	268	256	260	277	265	271	270	258	264
30	240	220	227	273	259	267	282	268	275	274	261	268
31	---	---	---	259	157	181	277	260	267	---	---	---
MONTH	240	79	184	320	157	261	286	143	246	332	176	264

e Estimated

TEMPERATURE, WATER (DEG. C), JANUARY 2000 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	0.3	-0.1	0.0
16	---	---	---	---	---	---	---	---	---	1.9	-.1	.9
17	---	---	---	---	---	---	---	---	---	.7	-.1	.0
18	---	---	---	---	---	---	---	---	---	.2	-.1	.0
19	---	---	---	---	---	---	---	---	---	.3	-.1	.1
20	---	---	---	---	---	---	---	---	---	.6	-.1	.2
21	---	---	---	---	---	---	---	---	---	.8	-.1	.4
22	---	---	---	---	---	---	---	---	---	.0	-.1	.0
23	---	---	---	---	---	---	---	---	---	.4	-.1	.0
24	---	---	---	---	---	---	---	---	---	1.8	.4	1.1
25	---	---	---	---	---	---	---	---	---	1.4	-.1	.5
26	---	---	---	---	---	---	---	---	---	2.2	1.1	1.7
27	---	---	---	---	---	---	---	---	---	1.3	.0	.7
28	---	---	---	---	---	---	---	---	---	.4	-.1	.1
29	---	---	---	---	---	---	---	---	---	1.6	.0	.6
30	---	---	---	---	---	---	---	---	---	2.5	.0	1.2
31	---	---	---	---	---	---	---	---	---	2.7	1.4	2.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01115275 BEAR TREE BROOK NEAR CLAYVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.8	1.2	1.9	6.1	3.8	4.8	10.6	5.8	8.3	12.2	7.1	9.7
2	1.7	.2	.8	5.6	4.0	5.0	11.0	8.0	9.6	11.5	9.5	10.3
3	2.1	.0	1.1	5.6	2.9	4.1	10.3	9.5	9.7	14.2	6.9	10.4
4	3.1	1.4	2.0	6.0	3.0	4.4	10.8	9.2	10.1	14.8	8.2	11.3
5	2.6	1.2	1.8	6.3	4.5	5.3	10.4	8.0	9.1	16.5	10.6	13.4
6	2.2	.9	1.4	6.8	3.7	5.1	9.2	6.4	7.8	15.9	12.4	14.2
7	3.4	1.1	2.2	7.6	3.3	5.5	12.0	7.4	9.5	18.3	11.8	15.0
8	1.8	-.1	.8	8.7	5.8	7.0	14.4	9.8	11.8	19.5	14.1	16.7
9	3.5	.1	1.8	10.8	6.2	8.5	13.2	7.8	11.0	20.2	14.7	17.3
10	4.3	1.7	2.9	10.0	7.5	8.8	10.1	6.1	7.9	16.4	11.3	13.0
11	4.1	2.4	3.3	7.5	5.3	6.4	8.1	6.2	7.4	13.4	10.6	11.9
12	2.9	.8	1.8	6.3	5.2	5.6	10.6	7.4	8.4	13.9	10.7	12.5
13	3.2	.0	1.6	6.3	3.7	5.0	10.3	5.6	7.8	12.9	11.3	11.8
14	2.9	1.1	1.9	7.2	3.1	5.2	11.0	6.2	8.5	16.2	11.1	13.5
15	3.0	1.3	2.0	8.6	4.9	6.8	11.2	8.4	9.9	14.0	11.1	12.6
16	3.6	1.2	2.4	9.8	7.4	8.6	12.1	10.3	11.1	13.9	9.3	11.9
17	2.5	.7	1.8	9.1	3.1	5.5	11.0	9.0	10.0	14.8	11.3	13.1
18	1.6	-.1	.7	5.3	1.7	3.5	9.0	7.8	8.3	14.2	12.7	13.4
19	2.3	.9	1.7	6.4	2.5	4.3	7.8	7.3	7.6	13.6	10.1	11.8
20	3.4	1.9	2.4	6.7	4.0	5.3	11.7	7.3	9.3	11.5	9.5	10.5
21	3.8	1.4	2.3	5.9	5.1	5.4	10.6	8.0	9.2	11.2	10.4	10.8
22	4.2	.7	2.3	6.8	5.0	5.6	8.5	7.2	7.9	11.4	10.6	11.0
23	5.2	1.8	3.3	9.5	5.0	7.1	8.1	7.3	7.6	12.5	10.3	11.3
24	5.5	3.4	4.3	10.4	5.8	8.0	9.9	7.0	8.4	14.3	11.1	12.4
25	4.1	3.2	3.8	9.5	5.8	7.9	11.4	6.8	9.1	15.6	12.2	13.8
26	3.7	3.0	3.4	11.3	8.1	9.3	9.2	6.4	7.2	15.3	12.0	13.7
27	6.3	3.6	4.9	10.5	6.6	8.6	8.8	6.2	7.4	15.0	12.0	13.6
28	6.0	3.9	5.3	9.8	8.5	9.2	9.2	6.7	8.0	14.0	12.0	12.7
29	5.6	3.2	4.2	9.8	7.6	8.8	11.4	6.4	8.9	12.6	11.0	11.9
30	---	---	---	8.8	7.2	8.2	13.0	8.2	10.3	12.9	10.7	11.7
31	---	---	---	9.6	6.0	7.9	---	---	---	14.2	11.0	12.6
MONTH	6.3	-.1	2.4	11.3	1.7	6.5	14.4	5.6	8.9	20.2	6.9	12.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	12.6	14.4	16.6	14.1	15.5	15.7	15.0	15.3	17.4	15.9	16.5
2	17.1	14.2	15.7	17.1	14.5	15.9	16.8	15.0	15.7	16.7	15.7	16.3
3	16.5	14.2	15.5	17.2	15.6	16.6	17.4	16.4	16.9	16.2	15.1	15.6
4	15.4	12.6	14.2	17.6	16.3	17.0	17.4	16.3	16.8	16.8	15.4	16.1
5	14.8	13.3	13.9	17.8	16.2	17.0	16.6	15.3	16.0	15.4	11.9	13.5
6	13.6	11.5	12.5	16.4	14.0	15.4	15.8	14.0	15.1	13.3	10.6	11.9
7	15.1	10.6	12.4	15.9	14.4	15.2	18.0	15.7	16.7	13.4	9.9	11.8
8	14.9	10.6	12.7	15.5	13.0	14.3	18.2	16.6	17.3	14.8	12.3	13.5
9	15.8	12.5	14.0	16.1	13.6	14.8	18.3	16.1	17.1	15.4	14.1	14.7
10	18.5	13.2	15.6	17.7	16.0	16.7	18.6	17.0	17.7	15.4	13.4	14.4
11	17.3	13.9	15.6	17.0	14.9	16.0	17.5	15.7	16.6	15.7	14.0	14.7
12	14.1	12.3	13.0	16.3	13.5	15.0	16.4	15.3	16.0	16.3	13.9	15.0
13	14.9	11.6	13.0	16.6	13.7	15.2	15.6	14.8	15.2	16.8	15.0	16.1
14	13.8	11.8	12.7	17.0	15.1	16.0	15.8	15.3	15.6	15.1	12.7	14.1
15	13.6	12.1	12.8	16.5	15.3	15.9	15.7	15.0	15.3	15.9	13.8	15.0
16	18.0	12.9	15.1	18.0	15.8	16.8	17.0	15.1	15.9	14.4	12.0	13.3
17	18.9	15.1	16.8	17.5	15.7	16.4	16.1	14.0	14.9	13.4	11.1	12.2
18	16.8	13.9	15.0	17.7	15.7	16.6	14.4	12.4	13.6	14.4	12.2	13.3
19	15.4	13.8	14.5	16.6	14.4	15.0	15.6	14.0	14.7	15.4	13.0	13.9
20	17.1	12.7	14.8	15.5	13.5	14.5	14.7	12.9	13.8	16.6	15.1	15.9
21	16.7	13.3	15.1	16.1	13.0	14.6	14.4	11.7	13.1	16.2	14.4	15.7
22	17.1	15.2	16.1	17.0	15.2	15.9	14.7	12.0	13.4	14.4	12.4	13.3
23	17.3	14.6	16.0	16.1	13.5	14.9	14.9	13.3	14.2	13.4	10.8	12.2
24	17.2	13.8	15.5	15.8	13.9	14.9	15.7	14.4	15.0	14.9	13.4	14.2
25	18.2	15.1	16.6	15.0	14.4	14.7	15.9	13.8	14.9	14.0	11.7	12.5
26	17.9	16.2	17.1	14.6	14.4	14.5	15.7	13.4	14.6	11.9	11.5	11.7
27	18.6	16.7	17.6	15.4	14.4	14.8	16.4	14.0	15.2	12.5	10.5	11.6
28	17.9	15.4	16.6	15.2	14.5	14.9	16.0	15.1	15.5	12.7	9.9	11.5
29	17.2	15.6	16.0	15.3	14.3	14.8	15.5	13.6	14.6	10.1	8.0	9.1
30	16.7	14.7	15.7	15.4	14.5	15.0	14.9	13.2	14.1	10.8	7.2	9.0
31	---	---	---	16.1	15.4	15.7	16.7	14.8	15.7	---	---	---
MONTH	18.9	10.6	14.9	18.0	13.0	15.5	18.6	11.7	15.4	17.4	7.2	13.6

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 to September 2000.
WATER TEMPERATURE: February to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD FEBRUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 125 µS/cm, Feb. 19; minimum, 48 µS/cm, Feb. 18.
WATER TEMPERATURE: Maximum recorded, 20.9°C, Aug. 9; minimum, -0.2°C, Feb. 22.

WATER-QUALITY DATA, FEBRUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	101	97	100	91	88	89	80	77	78
2	---	---	---	102	98	100	90	88	89	80	78	79
3	---	---	---	102	97	100	90	88	89	82	77	79
4	122	84	91	102	97	100	91	86	89	83	79	81
5	95	88	90	102	97	99	90	88	89	84	81	83
6	90	87	88	102	96	100	89	88	88	84	83	84
7	96	87	89	102	95	99	92	88	89	86	83	85
8	92	84	87	98	95	96	94	89	91	88	80	85
9	92	83	85	98	95	97	93	85	88	88	84	85
10	94	88	91	98	96	97	92	88	90	85	74	81
11	94	88	92	98	86	95	90	88	89	83	76	79
12	98	90	94	96	84	90	91	89	89	84	82	83
13	97	86	91	103	96	100	91	89	90	84	84	84
14	99	65	81	104	100	102	92	89	90	86	82	84
15	96	82	88	104	100	102	93	89	91	87	83	84
16	95	82	89	103	100	102	93	87	91	85	82	83
17	93	80	86	104	84	93	92	90	91	86	83	84
18	83	48	78	105	101	103	90	86	89	86	84	85
19	125	80	86	104	99	102	90	86	88	87	76	80
20	96	90	93	102	97	100	95	90	92	83	77	81
21	97	84	92	100	98	99	94	79	91	84	83	83
22	97	82	91	100	96	98	79	57	69	84	82	84
23	99	89	95	100	96	98	71	67	68	83	79	81
24	100	94	97	99	96	98	71	69	70	83	70	77
25	102	94	95	98	96	97	74	71	72	81	71	77
26	99	94	96	99	96	97	73	71	72	83	80	82
27	101	97	99	98	96	97	74	72	73	84	82	83
28	100	96	97	101	67	84	76	74	75	83	82	83
29	100	97	99	89	86	88	78	75	76	82	80	82
30	---	---	---	90	88	89	80	76	78	82	80	81
31	---	---	---	90	88	88	---	---	---	82	80	81
MONTH	---	---	---	105	67	97	95	57	84	88	70	82

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	84	81	82	81	79	80	111	106	107	100	94	97
2	85	80	83	80	77	78	109	105	107	100	94	97
3	88	83	85	78	76	77	110	104	107	112	100	105
4	84	82	83	78	76	76	110	106	108	112	106	109
5	83	81	82	78	76	77	106	100	102	109	100	104
6	81	58	74	77	74	75	100	96	98	102	98	100
7	72	57	66	75	73	74	101	97	99	98	94	95
8	76	72	74	75	72	73	102	97	99	97	93	95
9	79	76	78	75	72	73	102	93	96	100	93	96
10	80	78	79	76	73	74	108	87	101	102	96	100
11	80	66	76	76	73	74	104	100	101	100	96	97
12	73	69	71	77	73	75	100	96	97	99	96	98
13	76	73	74	75	72	74	97	94	96	98	90	95
14	77	75	76	76	72	75	108	89	102	98	90	95
15	79	77	78	76	68	74	108	105	107	122	70	106
16	81	79	80	97	67	87	110	96	103	122	117	119
17	86	76	81	89	82	84	107	104	106	118	113	115
18	85	81	82	84	80	81	105	102	103	115	114	114
19	83	80	82	82	77	78	104	102	103	114	91	111
20	83	81	82	81	77	77	102	99	100	118	91	112
21	83	80	82	80	76	77	100	97	99	116	112	114
22	83	80	82	79	76	78	100	97	99	112	110	111
23	83	81	82	81	77	79	100	98	99	112	108	110
24	82	80	81	82	78	80	105	100	103	114	112	113
25	81	79	80	82	78	80	102	100	101	114	111	112
26	80	79	80	80	75	77	102	98	99	113	111	111
27	89	76	80	112	73	89	101	98	99	119	111	117
28	91	83	87	113	98	102	102	96	99	116	111	113
29	84	82	83	98	95	96	99	93	96	111	107	108
30	84	81	83	95	91	93	98	93	96	110	107	108
31	---	---	---	115	87	106	97	95	96	---	---	---
MONTH	91	57	80	115	67	80	111	87	101	122	70	106

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

TEMPERATURE, WATER (DEG. C), FEBRUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	5.9	3.2	4.3	11.5	5.7	8.4	12.9	7.0	9.8
2	---	---	---	5.3	2.9	4.3	11.7	7.6	9.5	12.0	9.3	10.4
3	---	---	---	5.8	2.0	3.6	10.0	9.1	9.6	14.9	7.4	10.8
4	0.6	0.2	0.3	6.1	1.8	3.7	11.2	9.2	10.2	15.8	8.6	11.8
5	.6	.4	.5	6.1	3.1	4.4	11.4	7.7	9.4	17.2	10.9	13.7
6	.6	.3	.4	6.7	2.3	4.2	9.6	6.2	7.7	16.7	13.0	14.8
7	.8	.3	.5	7.3	2.0	4.7	12.7	7.0	9.6	19.7	12.5	15.9
8	.8	.0	.3	8.4	4.6	6.2	15.4	9.0	11.9	20.0	14.9	17.3
9	.6	-.1	.1	10.6	5.0	7.7	12.9	8.0	10.9	20.6	15.2	17.5
10	.9	.6	.7	10.1	6.6	8.2	11.1	6.6	8.5	16.3	11.9	13.4
11	.9	.5	.8	6.6	4.8	5.4	8.6	5.9	7.3	13.4	11.2	12.3
12	1.1	.1	.6	5.9	4.5	5.2	10.9	6.8	8.3	14.0	11.5	12.9
13	1.0	-.2	.4	6.3	3.2	4.5	11.1	5.0	7.7	13.0	12.0	12.4
14	1.0	-.2	.3	7.2	2.3	4.5	11.8	5.5	8.3	15.8	11.9	13.6
15	1.8	.1	.7	8.7	3.7	5.9	11.3	7.3	9.4	13.9	11.7	12.8
16	2.2	-.1	.9	9.6	6.1	7.9	12.4	10.2	11.0	14.0	9.9	12.0
17	1.7	-.2	.5	8.1	2.7	4.9	11.5	8.7	10.1	14.6	11.4	13.0
18	-.2	-.2	-.2	5.1	1.2	2.9	9.3	7.6	8.2	14.5	12.6	13.5
19	.6	-.2	.1	6.3	1.6	3.6	8.0	7.2	7.6	13.7	10.4	11.9
20	2.2	.5	1.1	6.7	3.1	4.6	12.4	7.2	9.4	11.4	10.1	10.8
21	2.5	-.1	1.0	5.0	4.3	4.6	10.0	7.8	9.0	11.3	10.7	11.0
22	2.6	-.2	1.1	6.7	4.2	5.0	8.4	7.1	7.8	11.4	10.8	11.1
23	3.6	.4	1.9	9.7	4.0	6.5	7.7	7.1	7.4	11.8	10.4	11.1
24	4.0	1.8	2.7	11.0	5.1	7.7	9.7	6.8	8.1	13.0	11.2	11.9
25	2.8	1.9	2.5	9.8	5.0	7.5	11.9	6.8	9.0	14.7	12.5	13.5
26	2.3	1.7	2.0	11.8	7.4	9.1	8.5	6.1	7.0	14.8	12.6	13.7
27	5.2	2.2	3.6	11.0	5.6	8.3	8.3	5.9	7.0	14.7	12.6	13.7
28	5.2	3.4	4.7	10.1	8.3	9.1	8.7	6.3	7.5	13.8	12.5	13.1
29	5.7	2.5	3.8	10.3	7.9	8.8	11.8	6.2	8.7	12.7	11.6	12.2
30	---	---	---	9.2	7.2	8.2	13.7	8.1	10.3	12.6	10.7	11.6
31	---	---	---	10.6	6.0	8.0	---	---	---	13.6	10.9	12.1
MONTH	---	---	---	11.8	1.2	5.9	15.4	5.0	8.8	20.6	7.0	12.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.6	12.2	13.8	17.9	15.4	16.8	16.9	16.1	16.5	20.3	18.7	19.5
2	17.0	14.1	15.4	18.5	15.8	17.3	18.0	16.4	17.1	20.0	18.2	19.4
3	15.8	14.1	15.1	18.8	16.8	17.9	18.8	17.8	18.2	18.6	17.5	18.1
4	15.1	12.8	14.0	19.0	17.6	18.3	19.3	17.8	18.5	19.4	17.6	18.7
5	14.4	13.2	13.8	19.2	17.4	18.3	18.8	17.0	17.9	17.6	13.6	15.3
6	13.3	11.7	12.6	17.8	15.2	16.6	17.9	15.9	17.1	14.4	12.3	13.4
7	13.2	11.0	12.0	17.0	15.8	16.4	20.1	17.7	18.8	14.6	11.6	13.2
8	14.0	11.9	13.0	16.5	14.4	15.5	20.8	19.2	20.0	16.0	13.5	14.8
9	15.3	13.4	14.3	17.2	14.9	16.1	20.9	19.0	20.0	17.5	15.8	16.7
10	17.6	14.6	16.1	19.2	17.2	18.1	20.6	19.3	20.0	17.6	15.7	16.7
11	17.5	14.9	16.2	18.6	17.0	17.9	19.8	18.0	19.1	17.9	16.1	16.8
12	14.9	13.1	13.7	18.1	15.8	17.2	19.1	17.5	18.4	18.5	16.3	17.3
13	14.0	12.6	13.3	18.2	15.7	17.1	17.6	16.9	17.3	19.4	17.5	18.6
14	13.6	12.7	13.2	18.7	16.9	17.9	17.3	16.6	16.9	17.5	15.2	16.5
15	13.8	13.0	13.4	18.4	17.5	18.0	17.6	16.7	17.1	17.0	15.7	16.6
16	16.9	13.8	15.2	18.5	17.0	17.8	17.8	16.9	17.3	15.7	13.4	14.7
17	18.8	16.1	17.2	18.4	17.2	17.8	17.3	15.7	16.5	14.1	11.7	13.1
18	17.0	15.6	16.1	19.5	17.4	18.4	15.7	13.9	15.0	15.8	13.4	14.6
19	15.6	14.9	15.2	18.4	16.0	16.8	17.3	15.5	16.3	16.7	14.9	15.7
20	16.8	14.2	15.5	17.1	15.2	16.1	16.4	14.7	15.6	17.9	16.3	17.0
21	17.2	14.8	16.0	17.5	15.0	16.3	16.1	13.7	15.0	17.8	16.1	17.2
22	17.9	16.4	17.0	18.9	17.1	17.9	16.4	13.7	15.1	16.1	13.7	14.7
23	18.0	16.2	17.1	18.1	16.0	17.2	16.5	15.0	15.8	14.6	12.1	13.4
24	17.7	15.2	16.6	18.0	16.0	17.1	17.8	16.0	16.9	16.3	14.6	15.5
25	19.0	15.8	17.4	17.1	16.5	16.8	18.1	16.0	17.1	15.5	12.9	13.6
26	19.0	17.5	18.2	16.8	16.3	16.6	18.1	15.8	17.1	12.9	11.9	12.3
27	19.9	17.9	18.7	16.3	16.0	16.1	18.8	16.8	17.8	13.2	11.1	12.3
28	18.7	16.9	17.8	16.8	15.7	16.2	18.5	17.6	18.2	13.2	11.0	12.5
29	17.7	16.7	17.1	17.1	15.8	16.5	17.6	16.0	16.9	11.0	8.8	9.7
30	17.8	16.0	16.9	17.4	16.4	16.9	17.3	15.4	16.4	10.8	7.6	9.3
31	---	---	---	17.3	16.4	16.7	19.2	17.3	18.2	---	---	---
MONTH	19.9	11.0	15.4	19.5	14.4	17.1	20.9	13.7	17.4	20.3	7.6	15.2

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 to September 2000.
WATER TEMPERATURE: January to September 2000.

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

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

EXTREMES FOR THE PERIOD JANUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 79 µS/cm, Sept. 10; minimum, 22µS/cm, Feb.15.
WATER TEMPERATURE: Maximum recorded, 26.4°C, June 27; minimum, -0.2°C, on many days during winter periods.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	37	32	35
16	---	---	---	---	---	---	---	---	---	38	36	37
17	---	---	---	---	---	---	---	---	---	40	36	38
18	---	---	---	---	---	---	---	---	---	44	39	42
19	---	---	---	---	---	---	---	---	---	45	42	43
20	---	---	---	---	---	---	---	---	---	46	43	44
21	---	---	---	---	---	---	---	---	---	44	43	44
22	---	---	---	---	---	---	---	---	---	45	43	44
23	---	---	---	---	---	---	---	---	---	47	45	46
24	---	---	---	---	---	---	---	---	---	46	45	46
25	---	---	---	---	---	---	---	---	---	45	44	44
26	---	---	---	---	---	---	---	---	---	44	42	43
27	---	---	---	---	---	---	---	---	---	42	41	42
28	---	---	---	---	---	---	---	---	---	42	41	42
29	---	---	---	---	---	---	---	---	---	43	42	42
30	---	---	---	---	---	---	---	---	---	42	42	42
31	---	---	---	---	---	---	---	---	---	42	41	42
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

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

SPECIFIC CONDUCTANCE (μ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	50	47	49	60	58	59	72	64	69	57	55	56
2	53	50	51	61	59	60	66	64	65	57	56	57
3	57	50	54	61	59	60	65	62	64	58	56	57
4	57	49	54	61	59	60	65	63	64	60	58	59
5	54	46	48	61	59	60	65	63	64	60	59	60
6	54	43	46	62	60	61	64	62	63	60	59	60
7	46	33	38	62	60	61	63	61	62	61	59	60
8	35	32	34	60	54	57	64	60	62	69	61	66
9	37	34	36	58	55	56	65	60	63	74	69	71
10	41	37	39	58	56	57	65	59	61	79	74	75
11	42	39	40	63	57	59	61	56	58	74	69	72
12	44	39	42	61	26	43	57	56	56	69	39	66
13	39	37	38	29	24	26	57	55	56	71	61	69
14	39	37	38	---	---	---	65	54	57	70	35	57
15	40	38	39	---	---	---	60	54	57	62	30	51
16	44	39	41	61	54	56	55	51	54	70	62	67
17	45	42	43	62	58	59	57	52	54	69	65	67
18	45	44	44	62	59	60	52	48	50	66	64	65
19	47	43	46	60	59	60	49	47	48	65	60	65
20	46	46	46	60	58	59	49	48	48	69	60	65
21	46	44	45	61	58	59	50	47	48	68	59	64
22	47	44	45	60	59	59	50	47	48	60	59	59
23	48	45	47	67	59	64	50	48	49	60	59	60
24	49	47	48	66	31	48	52	49	50	61	59	61
25	50	48	49	31	29	30	54	51	52	62	60	61
26	53	50	51	68	31	40	54	52	53	62	60	61
27	54	49	53	68	58	61	55	53	54	62	59	60
28	56	54	55	65	61	63	55	54	55	62	59	60
29	57	55	56	66	64	65	56	54	55	62	58	60
30	59	56	57	65	63	64	59	54	56	63	58	59
31	---	---	---	70	61	64	58	54	56	---	---	---
MONTH	59	32	46	---	---	---	72	47	56	79	30	62

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	0.3	-0.1	0.1
16	---	---	---	---	---	---	---	---	---	.2	-.1	.0
17	---	---	---	---	---	---	---	---	---	.3	-.2	.0
18	---	---	---	---	---	---	---	---	---	.3	-.1	.1
19	---	---	---	---	---	---	---	---	---	.4	-.1	.1
20	---	---	---	---	---	---	---	---	---	.2	-.1	.0
21	---	---	---	---	---	---	---	---	---	.1	-.1	.0
22	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
23	---	---	---	---	---	---	---	---	---	.0	-.1	.0
24	---	---	---	---	---	---	---	---	---	.0	-.1	.0
25	---	---	---	---	---	---	---	---	---	.0	-.2	-.1
26	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
27	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
28	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
29	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
30	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
31	---	---	---	---	---	---	---	---	---	.0	-.1	-.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.0	-0.1	-0.1	4.1	2.0	3.0	11.3	6.6	9.1	13.0	9.0	11.2
2	.0	-.1	-.1	4.0	3.1	3.5	11.9	9.0	10.4	12.4	10.9	11.6
3	.0	-.1	-.1	4.0	1.9	3.0	11.6	10.5	10.8	14.9	9.0	11.8
4	.0	-.1	-.1	4.3	2.1	3.2	11.9	10.3	11.1	15.5	10.6	13.1
5	.0	-.1	-.1	4.6	3.2	4.0	11.6	9.5	10.6	18.4	12.8	15.3
6	.1	-.1	-.1	4.7	3.3	4.1	9.7	6.9	8.1	19.2	15.8	17.5
7	.1	-.1	.0	5.5	3.2	4.3	12.4	7.8	10.0	20.9	15.6	18.3
8	.1	-.1	-.1	7.4	5.0	6.1	15.2	10.3	12.7	23.3	18.1	20.5
9	.1	-.1	.0	9.9	5.9	7.9	14.9	9.0	12.9	24.4	19.5	21.8
10	.2	-.1	.0	10.3	8.2	9.3	10.6	6.4	8.6	21.6	13.9	17.1
11	.1	-.1	.0	9.0	5.1	6.9	9.1	6.5	7.7	15.0	12.2	13.6
12	.3	-.1	.0	5.7	4.6	5.1	10.9	7.3	8.8	15.7	12.8	14.4
13	.3	-.1	.1	6.1	3.0	4.6	11.1	6.1	8.7	15.1	13.4	13.9
14	.1	-.2	.0	6.2	2.3	4.3	11.6	7.0	9.3	18.2	13.1	15.5
15	.1	-.2	-.1	7.8	4.0	5.9	12.0	9.0	10.4	16.9	14.1	15.6
16	.1	-.2	-.1	10.0	6.7	8.4	13.3	11.5	12.3	16.7	12.5	14.5
17	.3	-.2	.0	9.5	2.5	5.7	12.7	10.6	11.5	17.6	13.7	15.4
18	.0	-.2	-.1	4.1	.7	2.4	10.6	8.5	9.1	16.3	14.9	15.6
19	-.1	-.2	-.1	5.1	1.2	3.2	8.5	7.4	7.8	16.1	11.5	14.1
20	.1	-.2	-.1	6.5	3.2	4.7	12.8	7.2	9.5	12.3	10.5	11.5
21	.1	-.2	-.1	5.8	4.5	4.9	12.0	8.6	10.2	12.2	11.6	12.0
22	.1	-.2	-.1	6.3	4.2	5.1	8.6	7.4	8.1	12.6	11.8	12.2
23	.3	-.2	.0	9.6	4.5	6.8	8.2	7.4	7.7	13.1	11.5	12.3
24	.5	.0	.2	11.1	6.2	8.5	10.3	7.0	8.5	14.8	12.5	13.4
25	.2	.1	.2	9.5	6.7	8.4	12.6	7.4	9.9	16.8	14.1	15.5
26	.2	.1	.2	11.7	8.4	10.0	10.5	6.5	7.9	17.4	14.3	16.0
27	1.4	.2	.7	10.6	8.1	9.7	8.8	6.0	7.2	17.5	15.1	16.4
28	2.4	1.2	1.9	10.5	9.2	9.9	9.0	6.8	8.0	16.8	14.8	15.4
29	3.6	1.0	2.2	10.8	8.2	9.5	11.9	6.7	9.0	14.9	13.7	14.2
30	---	---	---	9.4	7.8	8.7	14.2	9.0	11.4	15.4	12.9	13.7
31	---	---	---	10.1	6.6	8.5	---	---	---	17.0	12.7	14.3
MONTH	3.6	-.2	.1	11.7	.7	6.1	15.2	6.0	9.6	24.4	9.0	14.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.3	13.7	16.2	23.6	18.2	20.6	18.5	17.6	18.0	24.8	20.6	22.5
2	22.3	16.3	18.8	24.1	18.4	20.7	21.2	18.0	19.3	22.8	20.2	21.7
3	19.9	17.0	18.3	24.1	18.9	21.4	22.1	19.5	20.6	22.4	19.4	20.6
4	18.9	15.7	17.2	24.1	20.1	21.9	23.8	19.8	21.4	22.6	19.5	21.0
5	17.6	15.7	16.6	24.2	19.9	21.9	23.3	19.6	21.2	20.7	16.5	18.6
6	16.2	13.1	14.8	23.3	18.9	21.0	21.9	18.6	20.2	19.6	15.2	16.9
7	13.8	12.2	13.1	21.8	18.6	20.0	24.6	19.6	21.5	19.4	13.5	16.1
8	15.4	13.5	14.4	21.6	17.2	19.2	25.5	20.9	23.0	20.2	14.3	17.1
9	17.6	14.5	16.1	22.0	17.2	19.5	25.5	21.2	23.1	20.2	17.2	18.6
10	21.6	16.3	18.6	23.9	19.5	21.5	25.6	22.0	23.4	21.2	16.1	18.4
11	21.3	17.8	19.2	23.8	18.8	21.0	22.5	20.0	21.2	21.7	17.2	19.0
12	17.8	14.9	16.1	23.0	16.5	19.8	21.2	19.8	20.4	22.3	17.2	19.7
13	16.1	14.2	15.0	22.8	15.9	19.7	19.9	19.0	19.4	22.5	18.2	20.6
14	15.8	14.1	14.9	22.7	17.1	20.1	19.0	18.1	18.3	20.9	15.0	18.0
15	15.6	14.4	15.0	21.0	18.8	19.8	19.2	18.0	18.5	19.1	16.8	17.9
16	20.7	15.4	17.5	24.9	20.0	21.9	20.0	18.3	18.9	18.9	15.1	16.6
17	23.2	17.6	20.0	23.5	20.0	21.4	20.0	17.2	18.4	18.7	14.0	15.6
18	20.1	18.4	19.2	25.0	20.1	22.2	17.9	16.2	16.9	20.0	13.6	16.2
19	18.8	17.6	18.1	21.6	18.5	19.7	20.0	16.7	18.0	18.9	14.9	16.7
20	20.1	16.5	18.3	22.4	17.4	19.4	19.5	16.5	17.8	20.6	16.7	18.2
21	20.8	16.9	18.7	22.6	17.1	19.8	19.1	15.7	17.2	20.3	17.2	18.3
22	21.9	18.4	19.7	23.8	19.2	21.2	20.4	15.2	17.4	19.0	15.4	16.9
23	22.8	18.7	20.5	22.1	17.9	20.0	19.2	15.7	17.4	16.6	14.1	15.4
24	22.6	18.4	20.4	21.5	16.5	19.3	20.7	16.6	18.5	17.5	15.6	16.4
25	25.0	18.6	21.4	19.1	17.4	18.4	21.6	16.7	18.9	16.7	14.1	15.2
26	24.9	20.2	22.1	18.5	17.7	18.0	22.1	16.7	19.1	14.5	13.1	13.7
27	26.4	20.9	22.8	18.6	17.6	18.0	22.7	17.2	19.8	17.1	12.3	14.1
28	24.7	20.2	22.0	19.6	17.2	18.2	21.2	18.8	20.0	14.3	11.2	12.6
29	21.6	19.7	20.7	20.4	17.3	18.7	22.3	17.3	19.4	14.2	9.6	11.6
30	23.0	18.8	20.5	20.3	17.7	19.0	20.0	17.0	18.6	14.7	9.4	11.4
31	---	---	---	19.2	17.9	18.5	24.3	18.8	21.0	---	---	---
MONTH	26.4	12.2	18.2	25.0	15.9	20.1	25.6	15.2	19.6	24.8	9.4	17.2

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 to September 2000.
WATER TEMPERATURE: January to September 2000.

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

REMARKS.--Records good.

EXTREMES FOR THE PERIOD JANUARY TO SEPTEMBER 2000.--
SPECIFIC CONDUCTANCE: Maximum recorded, 359 µS/cm, Jan. 31; minimum, 66 µS/cm, Apr. 23.
WATER TEMPERATURE: Maximum recorded, 23.8°C, Aug. 10; minimum, -0.2°C, Jan. 28.

WATER-QUALITY DATA, JANUARY TO SEPTEMBER 2000

SPECIFIC CONDUCTANCE (µ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	99	86	91
28	---	---	---	---	---	---	---	---	---	94	76	87
29	---	---	---	---	---	---	---	---	---	95	84	88
30	---	---	---	---	---	---	---	---	---	99	83	90
31	---	---	---	---	---	---	---	---	---	359	87	150
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	124	98	106	95	93	94	74	72	72	74	71	73
2	100	89	94	96	94	94	73	72	72	74	72	73
3	97	88	93	97	94	96	73	72	73	76	72	74
4	133	88	105	98	94	96	74	72	73	76	72	74
5	109	89	95	96	94	95	75	71	73	77	73	75
6	92	87	90	120	92	95	72	71	72	87	75	77
7	110	88	92	96	92	94	76	70	72	79	76	77
8	93	84	89	103	91	95	75	71	73	82	77	78
9	110	87	94	116	91	95	76	73	74	79	77	78
10	110	92	96	99	95	97	73	72	72	78	77	77
11	107	94	98	99	88	95	72	71	72	78	76	77
12	97	94	95	89	87	88	73	72	72	78	76	77
13	97	92	95	91	89	90	74	71	72	78	76	77
14	114	83	92	93	90	91	74	71	72	79	75	78
15	86	80	83	94	91	92	76	72	73	80	77	78
16	92	84	88	96	93	94	74	73	74	80	76	78
17	104	88	89	118	88	94	74	73	74	80	77	78
18	166	88	97	97	92	94	78	73	74	80	78	79
19	159	94	109	98	93	96	74	73	73	80	76	78
20	116	92	98	98	94	96	75	72	74	78	77	77
21	107	95	98	96	95	95	75	71	73	77	76	77
22	103	95	98	96	94	95	73	67	70	77	76	77
23	106	96	99	95	93	94	67	66	67	77	76	77
24	99	94	96	94	91	93	67	67	67	78	73	77
25	124	93	96	94	90	91	69	67	68	78	77	78
26	97	94	95	91	87	89	68	68	68	77	76	76
27	95	91	93	90	87	88	69	68	69	77	76	76
28	93	90	91	92	75	81	70	69	69	76	76	76
29	95	90	92	76	73	74	72	70	71	84	76	77
30	---	---	---	73	71	72	74	71	72	80	76	77
31	---	---	---	72	72	72	---	---	---	78	77	77
MONTH	166	80	95	120	71	91	78	66	72	87	71	77

01115500 PAWTUXET RIVER AT FISKEVILLE, RI--Continued

SPECIFIC CONDUCTANCE (μ/CM AT 25°C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	80	78	79	100	95	97	113	100	104	102	94	95
2	82	80	80	105	96	98	115	101	103	95	84	93
3	81	80	81	108	98	101	103	99	101	93	91	92
4	82	80	81	107	98	100	104	100	102	94	93	94
5	82	81	81	99	98	98	102	100	101	108	94	95
6	82	76	80	111	97	101	101	99	100	110	92	96
7	82	78	80	112	98	104	101	99	100	100	92	93
8	78	77	77	98	96	97	102	99	100	95	92	93
9	---	---	---	96	95	95	101	99	100	92	91	92
10	---	---	---	109	94	98	100	89	97	118	91	93
11	---	---	---	111	95	101	100	97	99	122	97	101
12	---	---	---	104	94	97	100	98	99	104	100	101
13	---	---	---	102	94	96	100	96	98	111	101	103
14	---	---	---	97	94	95	96	85	93	113	102	103
15	---	---	---	95	91	94	98	95	97	106	86	100
16	---	---	---	96	85	93	99	92	96	113	99	101
17	---	---	---	98	95	96	98	95	96	101	98	99
18	---	---	---	112	93	99	97	94	95	98	97	98
19	---	---	---	106	96	99	97	95	96	98	81	96
20	---	---	---	109	98	100	97	95	96	97	81	95
21	84	79	80	110	94	98	96	94	95	100	95	97
22	81	81	81	97	94	95	95	94	95	100	96	96
23	84	81	82	98	95	96	97	92	94	98	96	97
24	84	83	84	109	96	102	96	92	94	121	96	97
25	90	84	86	106	96	98	98	91	94	97	96	96
26	92	87	88	101	94	95	118	91	100	96	95	96
27	112	88	92	96	91	93	118	94	100	98	94	95
28	94	88	91	98	96	97	98	91	94	98	94	94
29	95	90	92	97	95	96	101	92	94	117	93	95
30	98	94	95	97	95	96	111	92	96	112	92	94
31	---	---	---	101	90	98	94	92	93	---	---	---
MONTH	---	---	---	112	85	98	118	85	97	122	81	96

TEMPERATURE, WATER (DEG. C), JANUARY 2000 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	1.2	0.0	0.4
28	---	---	---	---	---	---	---	---	---	.8	-.2	.1
29	---	---	---	---	---	---	---	---	---	1.2	-.1	.3
30	---	---	---	---	---	---	---	---	---	1.6	-.1	.6
31	---	---	---	---	---	---	---	---	---	1.4	.4	1.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01115500 PAWTUXET RIVER AT FISKEVILLE, RI--Continued

TEMPERATURE, WATER (DEG. C), JANUARY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.1	0.7	1.2	6.4	4.4	5.2	9.4	6.8	8.2	11.4	8.9	10.2
2	1.6	.3	.8	6.0	4.6	5.4	9.3	7.6	8.6	10.8	9.7	10.2
3	1.5	.3	.8	5.9	3.8	4.6	9.0	7.8	8.2	12.4	9.1	10.8
4	2.1	.5	1.0	6.2	3.3	4.6	9.3	8.1	8.7	12.6	9.4	11.2
5	2.2	.6	1.2	6.3	4.4	5.3	9.1	7.5	8.3	13.8	10.3	12.0
6	2.2	.7	1.1	7.4	4.4	5.5	8.5	6.9	7.6	14.5	12.1	13.5
7	2.6	.8	1.4	7.2	4.3	5.7	10.2	7.3	8.8	16.0	12.2	14.1
8	2.2	.2	1.0	8.5	5.8	6.7	11.8	8.5	10.1	17.3	14.2	16.0
9	2.7	.4	1.4	8.9	5.6	7.7	11.2	7.9	9.7	18.4	15.6	17.2
10	3.3	1.0	1.9	10.3	8.3	9.0	9.4	6.9	8.2	17.7	13.8	15.1
11	3.2	2.0	2.4	8.3	6.5	7.4	8.8	7.4	8.2	14.6	13.2	14.0
12	3.2	1.4	2.0	6.6	5.4	6.3	10.0	8.1	8.9	15.1	13.4	14.3
13	3.2	1.0	2.0	6.9	4.6	5.5	10.2	7.1	8.7	14.4	13.3	13.6
14	2.9	1.4	2.3	7.1	4.2	5.6	10.5	7.7	9.1	16.8	13.1	14.8
15	2.7	1.5	2.0	8.1	5.3	6.7	10.4	8.2	9.3	15.8	14.0	15.0
16	3.3	1.7	2.3	9.5	7.2	8.4	10.9	9.6	10.3	16.1	13.3	14.7
17	3.4	1.4	2.1	9.1	4.5	7.0	10.8	10.0	10.4	16.5	14.1	15.4
18	2.2	.6	1.5	5.1	3.2	4.0	10.0	8.9	9.2	16.1	14.4	15.1
19	2.0	1.4	1.6	6.5	3.2	4.8	8.9	8.4	8.7	15.4	12.9	13.8
20	3.3	1.4	2.0	7.6	4.8	6.0	10.9	8.5	9.6	13.9	12.6	13.3
21	4.0	1.7	2.5	6.4	5.9	6.1	10.6	8.9	9.5	13.7	13.2	13.5
22	4.4	1.6	2.8	6.9	5.5	6.0	9.1	8.6	8.9	13.8	13.2	13.5
23	5.1	2.3	3.4	8.8	5.5	7.0	8.9	8.7	8.8	14.3	13.0	13.6
24	5.5	3.5	4.3	10.3	6.9	8.4	9.6	8.6	9.0	15.1	13.3	14.1
25	4.4	3.7	4.1	9.7	7.5	8.4	10.4	8.5	9.3	16.6	14.5	15.5
26	3.8	3.5	3.6	10.4	8.1	9.1	9.0	8.3	8.5	17.2	14.3	15.7
27	5.5	3.5	4.3	10.4	7.8	8.9	9.4	8.2	8.8	17.3	14.6	15.9
28	5.8	4.7	5.2	10.0	8.7	9.4	9.3	8.3	8.8	16.2	14.9	15.5
29	5.8	3.9	4.7	8.7	7.4	8.1	10.8	8.3	9.4	15.8	14.5	15.1
30	---	---	---	7.6	6.5	7.2	11.6	9.0	10.2	15.8	14.4	15.1
31	---	---	---	8.5	6.3	7.4	---	---	---	16.5	14.2	15.4
MONTH	5.8	.2	2.3	10.4	3.2	6.7	11.8	6.8	9.0	18.4	8.9	14.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	14.9	16.5	22.0	18.0	19.8	17.4	16.2	16.7	21.3	18.3	19.7
2	20.0	17.3	18.6	21.9	18.2	19.7	18.6	16.6	17.4	20.5	18.8	19.9
3	19.6	17.4	18.6	21.8	19.2	20.1	19.4	17.3	18.2	18.8	17.7	18.1
4	18.5	17.0	17.7	21.5	19.0	20.1	21.7	18.2	19.7	19.5	17.7	18.4
5	17.9	16.8	17.2	22.2	18.8	20.2	21.5	17.9	19.6	19.1	15.6	16.9
6	16.9	14.9	15.8	21.6	17.6	19.5	19.9	17.6	18.7	19.3	15.1	16.6
7	16.4	13.9	15.2	20.7	18.1	19.4	21.3	18.2	19.6	17.2	14.6	15.9
8	17.4	15.0	16.2	19.4	16.9	18.2	23.2	19.9	21.3	18.2	15.1	16.5
9	---	---	---	19.4	16.9	17.8	22.6	19.4	20.6	18.9	17.4	18.0
10	---	---	---	22.2	17.5	19.6	23.8	20.2	21.5	18.7	16.6	17.6
11	---	---	---	22.6	19.1	20.4	21.9	19.2	20.4	19.8	17.2	18.2
12	---	---	---	23.6	17.9	20.2	20.6	18.7	19.6	19.7	17.8	18.6
13	---	---	---	22.9	18.3	19.9	18.8	17.7	18.2	22.0	18.6	19.7
14	---	---	---	20.8	18.4	19.5	18.0	16.9	17.4	20.3	17.5	18.5
15	---	---	---	19.5	18.3	18.9	17.9	16.7	17.2	18.4	16.8	17.9
16	---	---	---	20.3	18.0	19.0	18.5	16.8	17.5	17.7	15.7	16.6
17	---	---	---	20.5	17.8	18.9	19.3	16.1	17.5	17.2	14.7	15.8
18	---	---	---	23.7	18.0	19.8	17.5	15.9	16.7	17.7	15.0	16.3
19	---	---	---	19.8	17.3	18.5	19.6	16.6	17.8	17.8	16.2	16.9
20	---	---	---	20.9	16.5	18.2	19.4	15.9	17.3	19.8	17.1	18.4
21	20.8	19.1	20.1	22.1	16.1	18.1	19.7	15.5	17.3	19.6	18.0	18.6
22	20.6	19.1	19.8	21.0	18.1	19.4	20.0	16.1	17.8	18.0	16.3	17.2
23	21.2	19.2	20.3	20.4	17.3	18.9	18.6	16.4	17.3	16.8	15.3	16.0
24	21.5	19.6	20.6	21.8	17.5	19.2	20.5	16.9	18.4	17.5	16.0	16.6
25	22.1	20.2	21.2	19.1	17.5	18.3	20.9	17.1	18.5	16.5	14.8	15.7
26	21.9	20.7	21.4	17.5	16.1	16.9	22.1	16.9	19.2	15.4	14.1	14.8
27	23.0	20.8	21.7	17.1	15.6	16.1	21.3	17.2	19.2	15.7	13.3	14.5
28	22.2	20.2	21.1	17.0	15.7	16.3	19.6	17.9	18.9	15.2	13.7	14.4
29	20.6	19.2	20.2	17.1	15.7	16.4	19.6	16.8	18.0	14.7	12.6	13.5
30	21.5	18.7	19.9	17.7	16.5	17.1	18.8	16.7	17.7	14.6	12.3	13.3
31	---	---	---	17.2	16.5	16.9	20.2	17.6	18.5	---	---	---
MONTH	---	---	---	23.7	15.6	18.8	23.8	15.5	18.5	22.0	12.3	17.0

Width measuring tagline is strung prior to boating discharge measurement of the Connecticut River at Montague City, MA, 01170500. (photo by J. L. Zanca)

01116000 SOUTH BRANCH PAWTUXET RIVER AT WASHINGTON, RI

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

DRAINAGE AREA.--63.8 mi^2.

PERIOD OF RECORD.--Discharge: October 1940 to current year.
Water-quality records: Water years 1955-1956, 1963.

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

REMARKS.--Records good except those for estimated discharges, which are poor. Flow regulated by Flat River Reservoir 2 mi upstream, usable capacity, 250,000,000 ft^3, and smaller reservoirs. Prior to May 1972, diversion from Carr Pond for municipal supply of Coventry, Warwick, and West Warwick. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--60 years, 131 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980 ft^3/s, June 6, 1982, gage height, 5.30 ft; minimum daily, 2.8 ft^3/s, Aug. 27, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1936 reached a discharge of 1,810 ft^3/s, by computation of flow over dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 706 ft^3/s, Apr. 23, gage height, 3.24 ft; minimum, 39 ft^3/s, Sept. 11-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	163	150	156	61	261	188	212	129	69	52	40
2	64	163	148	156	58	252	179	126	125	62	49	46
3	62	197	146	156	58	246	171	161	134	59	47	47
4	70	185	135	160	58	242	172	174	131	58	48	44
5	75	179	88	184	58	239	181	170	118	57	44	42
6	70	172	88	170	58	235	175	164	136	55	44	41
7	68	167	108	165	58	212	165	160	298	54	46	40
8	67	166	100	163	57	162	157	158	353	53	45	40
9	67	164	94	164	58	160	173	153	265	53	44	40
10	68	163	93	183	59	158	185	144	203	53	51	40
11	70	163	95	195	60	166	177	187	169	52	47	40
12	67	163	93	186	60	204	170	203	180	51	45	39
13	67	161	93	183	59	195	158	185	189	51	44	40
14	71	160	96	184	117	199	150	202	179	51	56	39
15	69	158	105	e190	105	196	142	193	163	52	55	50
16	69	156	103	199	100	194	153	167	153	54	64	45
17	67	156	98	e190	95	216	176	147	143	46	82	42
18	86	155	98	191	92	208	177	140	145	45	79	40
19	80	153	102	190	123	212	186	154	136	45	71	42
20	86	153	141	187	220	252	192	174	130	45	64	52
21	123	154	150	185	220	251	193	173	121	44	56	44
22	164	153	148	181	217	247	479	160	112	44	51	42
23	165	153	145	179	217	244	693	168	101	42	48	40
24	153	153	148	176	219	240	617	197	93	41	47	41
25	143	153	166	174	222	177	470	273	87	40	44	45
26	137	153	166	170	242	71	379	261	82	43	42	61
27	123	161	166	166	236	68	351	207	80	52	42	64
28	116	158	165	e130	247	119	320	173	80	47	42	62
29	112	153	163	138	269	108	285	152	76	45	41	60
30	106	151	163	123	---	106	259	141	74	44	40	60
31	119	---	159	67	---	182	---	134	---	54	40	---
TOTAL	2884	4839	3913	5241	3703	6022	7473	5413	4385	1561	1570	1368
MEAN	93.0	161	126	169	128	194	249	175	146	50.4	50.6	45.6
MAX	165	197	166	199	269	261	693	273	353	69	82	64
MIN	62	151	88	67	57	68	142	126	74	40	40	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

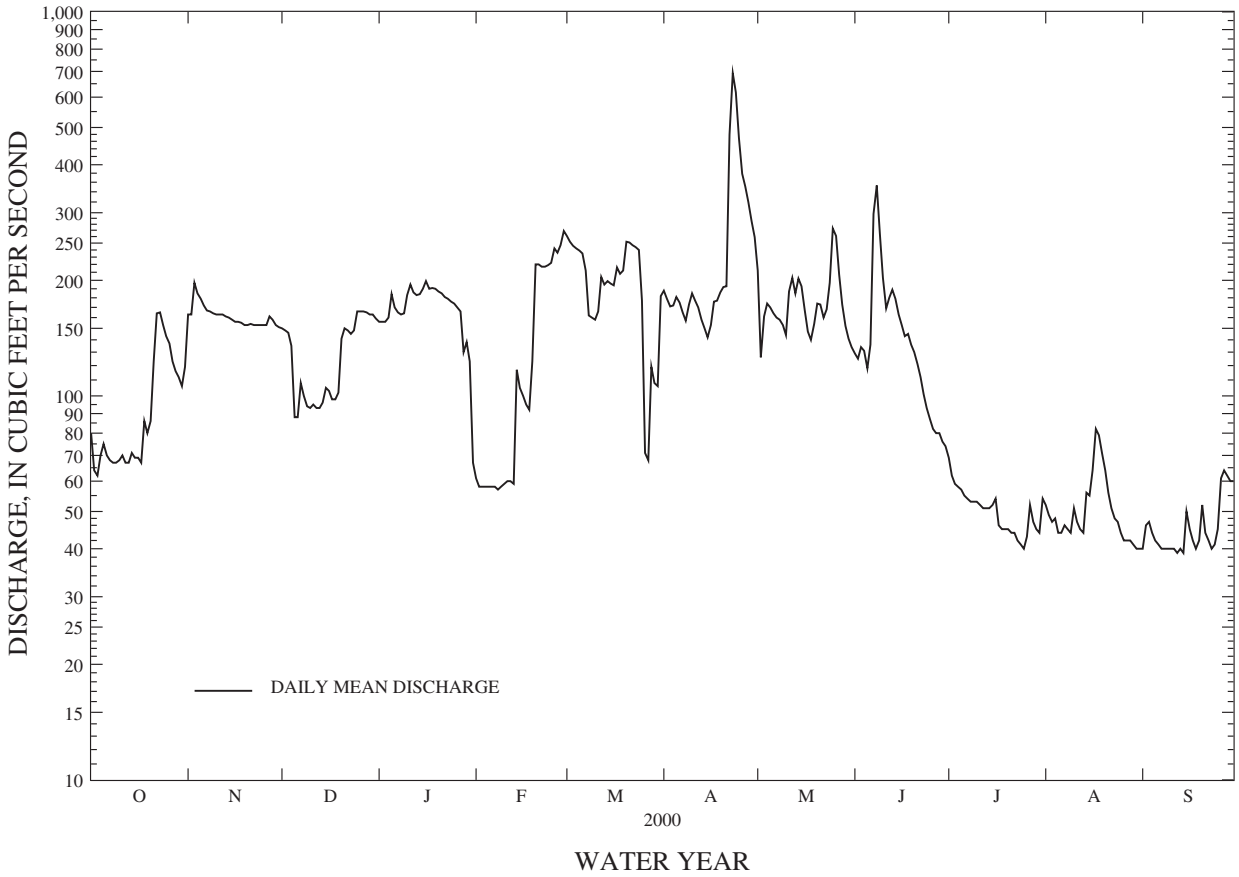
MEAN	72.7	105	158	171	182	226	213	150	110	63.9	61.1	64.4
MAX	216	354	422	489	327	434	595	294	444	136	168	240
(WY)	1956	1956	1987	1979	1970	1983	1983	1948	1982	1998	1979	1954
MIN	28.5	28.7	34.5	35.9	45.7	106	68.2	55.6	39.2	26.8	23.6	25.5
(WY)	1942	1966	1966	1966	1966	1944	1966	1992	1957	1995	1974	1995

01116000 SOUTH BRANCH PAWTUXET RIVER AT WASHINGTON, RI--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	48065		48372			
ANNUAL MEAN	132		132		131	
HIGHEST ANNUAL MEAN					202	1973
LOWEST ANNUAL MEAN					56.9	1966
HIGHEST DAILY MEAN	602	Sep 17	693	Apr 23	1680	Jun 7 1982
LOWEST DAILY MEAN	11	Aug 25	39	Sep 12	2.8	Aug 27 1944
ANNUAL SEVEN-DAY MINIMUM	12	Aug 30	40	Sep 8	9.3	Jun 23 1980
INSTANTANEOUS PEAK FLOW			706	Apr 23	1980	Jun 6 1982
INSTANTANEOUS PEAK STAGE			3.24	Apr 23	5.30	Jun 6 1982
INSTANTANEOUS LOW FLOW			39	Sep 11		
10 PERCENT EXCEEDS	264		213		262	
50 PERCENT EXCEEDS	113		139		101	
90 PERCENT EXCEEDS	33		44		29	

e Estimated

SOUTH BRANCH PAWTUXET RIVER AT WASHINGTON, RI 01116000



01116500 PAWTUXET RIVER AT CRANSTON, RI

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

DRAINAGE AREA.--200 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good except those for estimated daily discharge, which are fair. Flow regulated by powerplants and by Scituate Reservoir 13 mi upstream, Flat River Reservoir, and other reservoirs, combined usable capacity, about 6,000,000,000 ft^3. Diversion from Scituate Reservoir for municipal supply of Providence, East Providence, North Providence, Cranston, Greenville, Johnston, East Smithfield, Smithfield, Warwick, West Warwick, Coventry, East Greenwich, and West Greenwich. See table below for figures of diversion and monthend contents in Scituate Reservoir and five smaller reservoirs. Satellite gage-height telemeter at station.

AVERAGE DISCHARGE.--60 years (water years 1941-current year), 351 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,440 ft^3/s, June 7, 1982, gage height, 14.5 ft, from floodmark; minimum daily, 22 ft^3/s, Sept. 4, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft^3/s, Apr. 23, gage height, 9.41 ft, minimum, 95 ft^3/s, Sept. 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	273	244	249	193	402	559	728	341	165	202	108
2	176	278	239	248	154	389	521	514	340	157	155	133
3	165	999	239	255	163	378	492	511	366	157	159	142
4	303	624	231	284	153	365	507	501	323	151	161	123
5	261	451	196	688	154	359	542	473	300	151	141	110
6	214	387	200	360	150	351	496	447	591	144	133	106
7	188	349	422	312	149	341	470	423	1230	127	148	104
8	169	329	282	300	146	281	436	401	1050	139	166	102
9	163	317	227	282	150	271	538	390	865	139	108	102
10	175	304	213	479	155	266	526	386	677	142	176	105
11	187	293	211	704	164	343	505	517	651	123	142	112
12	167	287	199	405	167	944	501	523	802	136	130	112
13	162	291	196	355	156	515	451	463	709	135	127	117
14	206	285	205	327	848	388	427	537	645	135	254	115
15	182	285	276	322	616	357	400	471	572	139	166	233
16	191	278	256	314	314	342	457	417	528	265	203	147
17	176	272	229	e305	267	697	468	380	464	158	211	122
18	471	267	215	e295	233	479	459	358	467	169	184	115
19	271	265	207	295	229	390	571	462	450	156	175	133
20	409	264	236	288	320	413	542	459	441	137	156	291
21	488	273	325	286	332	418	529	447	354	137	144	149
22	379	263	311	e278	327	409	1790	424	321	136	134	130
23	393	252	262	276	341	400	2160	483	293	130	129	125
24	344	251	253	273	387	392	2050	650	265	152	135	123
25	293	258	272	271	408	381	1610	802	246	114	124	120
26	277	255	278	275	532	229	1310	737	219	132	133	138
27	251	311	258	260	448	229	1200	605	211	191	106	153
28	231	292	250	242	435	805	1080	490	215	167	107	147
29	223	262	256	226	433	703	949	428	193	143	115	140
30	215	250	250	221	---	492	831	394	175	134	105	135
31	209	---	251	254	---	532	---	384	---	223	110	---
TOTAL	7821	9765	7689	9929	8524	13261	23377	15205	14304	4684	4639	3992
MEAN	252	326	248	320	294	428	779	490	477	151	150	133
MAX	488	999	422	704	848	944	2160	802	1230	265	254	291
MIN	162	250	196	221	146	229	400	358	175	114	105	102
†	4330	4415	4576	4773	5177	5686	5715	5639	5505	5164	4869	4573
††	106	103	97.6	98.7	97.7	96.7	96.4	110	124	147	127	120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	192	283	401	461	489	601	600	393	279	173	175	180
MAX	667	1024	1344	1238	1085	1291	1788	848	1237	442	438	698
(WY)	1956	1956	1973	1979	1970	1983	1983	1998	1982	1998	1955	1954
MIN	70.5	82.6	94.0	100	158	239	140	160	93.0	74.9	82.4	83.2
(WY)	1958	1966	1966	1966	1966	1981	1966	1965	1957	1957	1966	1981

01116500 PAWTUXET RIVER AT CRANSTON, RI--Continued

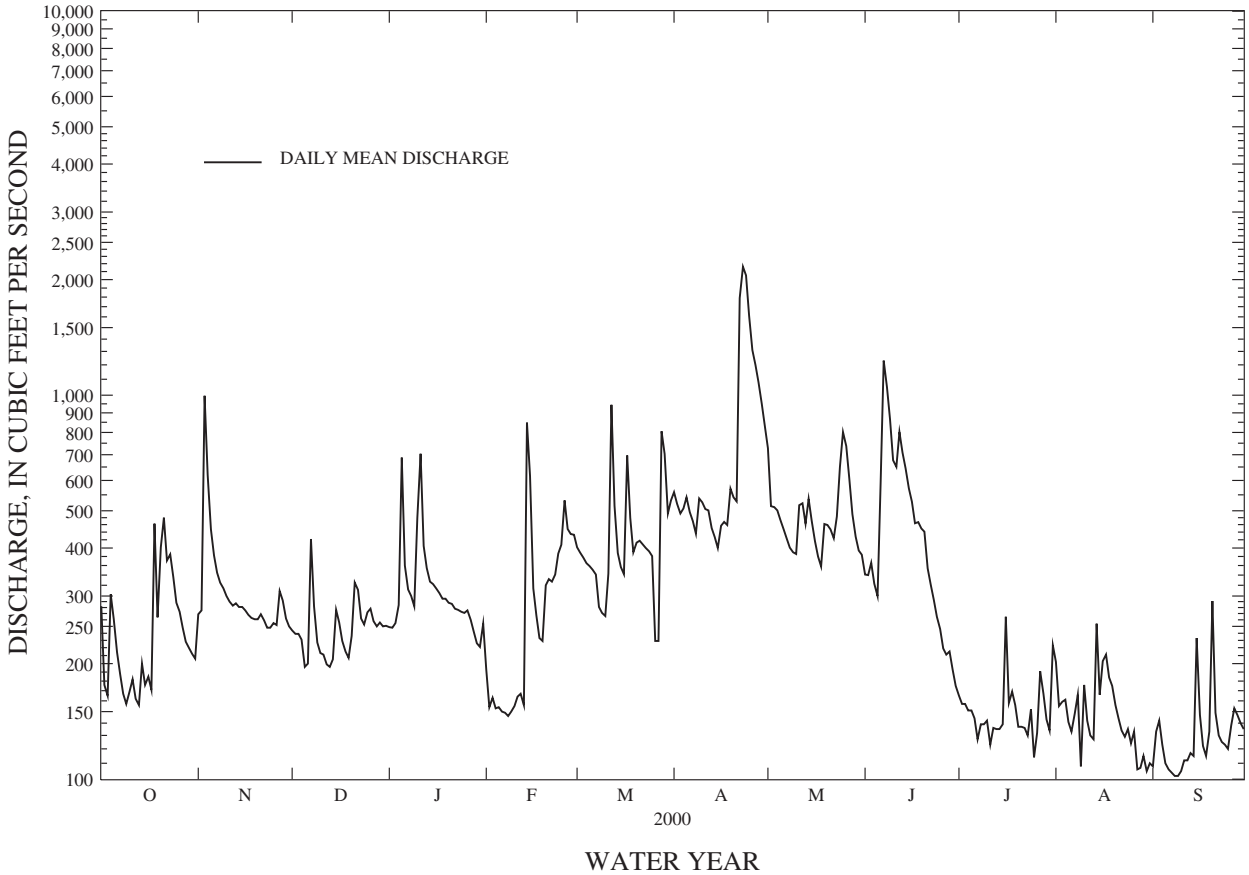
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	136771		123190			
ANNUAL MEAN	375		337		351	
HIGHEST ANNUAL MEAN					595	1973
LOWEST ANNUAL MEAN					126	1966
HIGHEST DAILY MEAN	2040	Sep 17	2160	Apr 23	5170	Jun 7 1982
LOWEST DAILY MEAN	62	Sep 5	102	Sep 8	22	Sep 4 1944
ANNUAL SEVEN-DAY MINIMUM	70	Sep 1	106	Sep 5	48	Aug 12 1985
INSTANTANEOUS PEAK FLOW			2200	Apr 23	5440	Jun 7 1982
INSTANTANEOUS PEAK STAGE			9.41	Apr 23	14.50	Jun 7 1982
INSTANTANEOUS LOW FLOW			95	Sep 9		
10 PERCENT EXCEEDS	806		547		747	
50 PERCENT EXCEEDS	256		272		244	
90 PERCENT EXCEEDS	94		133		101	

e Estimated

(†) Monthend contents, in millions of cubic feet (mcf), of Scituate Reservoir and five smaller reservoirs. Monthend contents on September 30, 1999, 4,290 mcf.

(††) Diversions, in cubic feet per second, for municipal supplies. Figures of diversion and monthend contents provided by Providence Water Supply Board.

PAWTUXET RIVER AT CRANSTON, RI 01116500



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 µS/cm, Mar. 11, 1980; minimum, 60 µS/cm, Jan. 25, 1979.
WATER TEMERATURE: 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 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
NOV											
17...	0845	268	754	88	10.9	6.7	7.0	207	207	10.0	6.0
JUN											
14...	0830	652	788	92	9.2	6.7	7.6	154	153	16.0	17.0
JUL											
19...	0840	152	777	71	6.3	6.6	7.0	284	282	22.0	22.0
AUG											
28...	1400	109	781	85	7.5	7.0	7.1	321	316	27.8	22.0

DATE	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 (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV											
17...	6.82	1.36	2.2	27.0	13	15	19	39.5	11.2	0.93	0.510
JUN											
14...	5.63	1.08	1.7	20.2	10	10	13	28.2	9.5	.47	.123
JUL											
19...	9.68	1.50	3.1	38.6	17	17	21	58.8	13.5	.57	.162
AUG											
28...	--	--	--	--	--	20	24	--	--	.47	.038

DATE	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, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DRAIN-AGE AREA (SQ. MI.) (81024)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV											
17...	0.515	0.020	0.101	0.164	5.9	2.0	12	50	200	8.0	3
JUN											
14...	.494	.060	.035	.076	4.8	1.0	15	40	200	8.0	<10
JUL											
19...	1.18	.044	.087	.152	5.1	1.0	16	37	200	8.0	<10
AUG											
28...	2.15	.028	.410	.476	4.6	1.0	--	--	200	8.0	--

01116500 PAWTUXET RIVER AT CRANSTON, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)
NOV											
17...	121	14	11	--	99	--	--	<3	--	--	--
JUN											
14...	94	140	200	46	132	<1	<0.9	<3	12	<1	35
JUL											
19...	159	8,000	7,300	12	91	<1	<.9	<3	15	<1	45
AUG											
28...	--	130	220	13	E26	<1	<.9	<3	13	<1	76

DATE	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)	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)
NOV										
17...	<0.1	--	--	--	460	<1	--	--	93	<0.3
JUN										
14...	<.1	<0.8	<1	1	520	<1	1.3	66	85	<.3
JUL										
19...	<.1	E.5	<1	3	520	<1	1.7	70	78	<.3
AUG										
28...	E.1	.9	<1	3	330	E1	2.2	66	71	<.3

DATE	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PHENOLS TOTAL (UG/L) (32730)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV										
17...	--	--	--	<1	--	--	--	--	<4	--
JUN										
14...	<1	<1	0.8	<1	30.3	<0.9	<1	7.4	5	<1
JUL										
19...	<1	6	E.7	<1	50.3	<.9	<1	14	<4	<1
AUG										
28...	1	4	<.7	<1	54.6	<.9	<1	11	--	<1

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 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	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)
NOV												
17...	1230	304	757	79	9.8	6.8	7.0	235	235	11.0	6.5	9.13
JUN												
14...	1230	721	792	88	8.8	6.9	8.0	192	190	23.0	17.5	7.67
JUL												
19...	1330	261	775	64	5.7	7.0	7.1	308	302	22.0	22.0	12.4
AUG												
29...	0800	133	784	56	5.0	6.9	7.1	384	378	18.1	21.2	--

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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV												
17...	1.75	2.8	29.5	17	21	26	42.6	13.5	1.1	0.632	0.851	0.093
JUN												
14...	1.41	2.4	24.2	15	17	20	32.9	11.6	.98	.552	.648	.087
JUL												
19...	1.80	3.7	38.2	23	23	28	59.4	13.7	.58	.107	1.65	.058
AUG												
29...	--	--	--	--	33	40	--	--	.90	.110	3.43	.051

DATE	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, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
NOV												
17...	0.072	0.156	6.1	2.0	17	50	4	139	27	12	--	88
JUN												
14...	.031	.082	5.1	1.0	16	40	<10	113	28	120	29	107
JUL												
19...	.143	.215	4.8	1.0	15	34	<10	176	400	440	11	65
AUG												
29...	.819	.958	6.3	1.0	--	--	--	--	82	93	10	69

01116617 PAWTUXET RIVER AT PAWTUXET, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
NOV											
17...	--	--	<3	--	--	--	<0.1	--	--	--	530
JUN											
14...	<1	<0.9	<3	14	<1	36	<.1	<0.8	<1	2	540
JUL											
19...	<1	1.0	<3	15	<1	58	<.1	E.6	<1	3	510
AUG											
29...	<1	E.6	<3	14	<1	97	<.1	E.7	<1	4	550

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)
NOV											
17...	<1	--	--	117	<0.3	--	--	--	<1	--	--
JUN											
14...	<1	1.3	80	102	<.3	<1	2	E0.7	<1	38.3	<0.9
JUL											
19...	<1	1.7	39	66	<.3	<1	5	2.0	<1	56.0	<.9
AUG											
29...	<1	2.5	50	110	<.3	1	5	<.7	<1	63.9	<.9

DATE	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	ALPHA-HCH-D6 SUR SCD 1325 BED MAT PERCENT (90504)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN I TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	ISODRIN SUR SCD 1325 BED MAT PERCENT (90568)
NOV											
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
14...	<1	9	--	--	--	--	--	--	--	--	--
JUL											
19...	<1	13	--	--	--	--	--	--	--	--	--
AUG											
29...	<1	10	<0.2	64.0	7	E0.4	<0.2	<0.2	<0.2	<0.2	55

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	BIPHENYL, NONACHLORO-SUR SCD 1325 PERCENT (90575)	P,P'-DDD, RECOVER IN BOTTOM MATERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOTTOM MATERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	PHENOLS TOTAL (UG/L) (32730)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV											
17...	--	--	--	--	--	--	--	--	<4	--	--
JUN											
14...	--	--	--	--	--	--	--	--	<4	--	<1
JUL											
19...	--	--	--	--	--	--	--	--	<4	--	<1
AUG											
29...	<0.2	<2	<0.2	56.0	<0.5	E0.6	<0.5	<5	--	<50	<1