01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH

LOCATION.--Lat 45°02'25", long 71°26'37", Coos County, Hydrologic Unit 01080101, on right bank, 1,200 ft downstream from Indian Stream, 2.5 mi west of Pittsburg, and at mile 376.5.
DRAINAGE AREA.--254 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1956 to current year.
REVISED RECORDS.--WDR MA-NH-RI-VT-73-l: 1958, 1960(M), 1969(M).
GAGE.--Water-stage recorder. Elevation of gage is 1,150 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by First Connecticut and Second Connecticut Lakes and Lake Francis 3.7 mi upstream.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,820 ft^3/s, May 11, 2000, gage height, 8.37 ft, from rating curve extended above 2,600 ft^3/s; minimum daily 30 ft^3/s, August 6, 1965.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,820 ft^3/s, May 11, gage height, 8.37 ft; minimum daily discharge, 188 ft^3/s, August 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	711	673	625	914	802	597	439	1340	495	467	188	280
2	774	653	792	912	802	447	519	1350	485	448	188	288
3	731	640	794	946	797	324	787	1320	481	443	190	366
4	734	752	803	1100	791	267	1490	1280	471	481	203	338
5	792	804	872	1220	787	230	1770	858	457	524	193	320
6	777	784	924	1110	784	215	770	634	367	471	189	337
7	755	686	930	1070	778	195	515	1200	271	450	190	347
8	724	643	890	1020	772	219	486	1440	262	448	210	341
9	710	632	857	986	640	268	1210	2100	263	439	200	339
10	703	629	978	976	526	612	1170	5240	259	436	196	335
11	762	621	1170	965	526	494	817	5610	403	441	194	336
12	861	610	1140	969	526	357	1120	4360	444	433	212	340
13	615	611	1100	938	526	e305	1120	3350	334	426	195	345
14	636	630	1070	915	526	e255	1110	2950	298	421	231	346
15	766	853	1050	906	526	255	1130	1660	281	416	275	371
16	689	750	1050	904	526	298	1030	1090	271	416	308	505
17	649	689	1050	898	526	331	632	1050	267	379	326	428
18	647	676	1010	889	526	e270	472	1090	264	284	331	398
19	632	668	966	880	526	e245	441	973	255	342	299	380
20	457	685	977	868	522	232	417	647	250	317	292	363
21	394	1090	1010	863	520	232	594	584	246	295	300	356
22	521	829	1010	856	520	275	1030	554	295	288	295	353
23	1020	785	984	848	520	373	1320	533	371	288	287	348
24	1750	591	967	838	487	499	1780	528	359	286	394	400
25	1420	492	947	834	429	551	1640	598	438	282	347	478
26	919	465	947	833	443	648	1580	673	437	278	305	399
27	827	1160	946	826	477	642	1490	692	468	276	293	374
28	771	1070	934	822	720	1000	1420	616	500	276	287	378
29	726	501	930	818	757	1780	1370	565	456	277	281	383
30	697	375	926	811	---	876	1390	532	451	283	280	368
31	677	---	919	806	---	535	---	512	---	237	280	---
TOTAL	23847	21047	29568	28541	17608	13827	31059	45929	10899	11548	7959	10940
MEAN	769	702	954	921	607	446	1035	1482	363	373	257	365
MAX	1750	1160	1170	1220	802	1780	1780	5610	500	524	394	505
MIN	394	375	625	806	429	195	417	512	246	237	188	280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)

MEAN	553	553	743	794	775	549	627	523	379	415	429	442
MAX	1342	1056	1485	1175	1325	1088	1035	1691	863	1187	1043	1095
(WY)	1978	1978	1960	1960	1974	1979	2000	1974	1984	1996	1976	1963
MIN	111	181	384	462	376	209	247	162	80.9	55.7	64.7	111
(WY)	1969	1967	1979	1979	1980	1962	1995	1988	1962	1965	1975	1968

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1957 - 2000	
ANNUAL TOTAL	204044		252772			
ANNUAL MEAN	559		691		564	
HIGHEST ANNUAL MEAN					789	1976
LOWEST ANNUAL MEAN					379	1995
HIGHEST DAILY MEAN	2320	Sep 18	5610	May 11	5610	May 11 2000
LOWEST DAILY MEAN	120	Mar 21	a 188	Aug 1	30	Aug 6 1965
ANNUAL SEVEN-DAY MINIMUM	129	May 31	192	Aug 1	33	Aug 20 1975
INSTANTANEOUS PEAK FLOW			b 5820	May 11	b 5820	May 11 2000
INSTANTANEOUS PEAK STAGE			8.37	May 11	8.37	May 11 2000
10 PERCENT EXCEEDS	932		1110		1020	
50 PERCENT EXCEEDS	555		560		515	
90 PERCENT EXCEEDS	198		271		155	

a Also occurred August 2.
b From rating curve extended above 2,600 ft^3/s.
e Estimated.

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1999.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1999 to current year.
INSTRUMENTATION.--Water-temperature recorder since June 16, 1999, provides continuous recordings.
REMARKS.--Records poor.

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	---	---	---	16.0	13.0	14.5	18.0	15.5	17.0	21.5	15.5	17.5
2	---	---	---	16.0	13.0	14.0	19.0	15.5	16.5	21.5	15.5	18.0
3	---	---	---	16.5	12.0	14.0	16.5	14.5	15.5	21.5	16.0	18.0
4	---	---	---	16.0	12.5	14.0	17.0	14.5	15.5	21.5	16.0	18.0
5	---	---	---	---	---	---	17.5	15.0	16.5	21.0	16.5	18.0
6	---	---	---	---	---	---	18.0	15.0	16.0	21.0	16.5	18.0
7	---	---	---	19.5	16.0	17.5	17.5	15.0	16.0	20.5	17.0	18.5
8	---	---	---	17.0	14.5	16.0	17.5	15.0	16.0	19.5	17.5	18.5
9	---	---	---	16.5	13.5	15.0	18.0	15.0	16.0	20.5	17.5	18.5
10	---	---	---	15.5	14.0	15.0	17.0	15.0	16.0	19.5	17.5	18.5
11	---	---	---	16.0	13.5	14.5	18.5	15.5	16.5	20.0	17.5	18.5
12	---	---	---	15.5	12.5	14.0	18.5	15.5	17.0	20.0	17.0	18.5
13	---	---	---	14.5	13.0	14.0	19.5	16.0	17.5	21.0	17.0	18.5
14	---	---	---	16.0	13.5	14.5	18.5	16.0	17.0	20.5	17.5	18.5
15	---	---	---	15.0	13.5	14.0	19.5	17.0	18.5	20.5	17.5	19.0
16	---	---	---	17.0	13.5	15.0	19.5	16.0	17.5	18.0	16.0	17.5
17	13.5	10.5	11.5	17.0	14.5	15.5	20.0	17.0	18.0	16.0	12.0	13.5
18	13.5	10.0	11.5	16.0	14.0	15.0	18.5	17.0	17.5	14.5	11.5	13.0
19	14.5	10.0	12.0	15.0	13.0	14.0	20.0	16.5	18.0	15.0	11.0	13.0
20	14.5	10.5	12.0	16.0	13.0	14.0	19.5	16.0	17.5	16.0	11.5	14.0
21	15.0	10.5	12.5	15.5	13.0	14.0	18.0	16.0	17.0	15.0	12.5	14.0
22	16.0	10.5	12.5	17.0	13.5	15.0	17.5	16.0	17.0	13.0	11.5	12.5
23	15.5	10.5	12.5	15.5	13.5	14.5	20.0	16.0	17.5	14.0	11.0	12.5
24	15.0	10.5	12.0	15.0	13.5	14.0	21.0	16.0	18.0	16.0	11.5	14.0
25	13.5	10.5	12.0	---	---	---	21.0	16.0	17.5	15.5	13.0	14.0
26	15.5	11.0	13.0	---	---	---	21.0	16.5	18.0	15.5	11.0	13.5
27	16.0	11.0	13.0	---	---	---	20.0	16.5	18.0	17.0	11.5	14.0
28	13.5	11.5	12.5	17.0	15.0	16.5	20.5	16.5	18.0	17.5	14.0	16.0
29	17.0	12.5	15.0	17.5	14.5	16.5	20.5	16.0	17.5	17.0	15.5	16.0
30	18.5	14.0	16.0	17.0	16.0	16.5	19.5	15.5	17.0	17.0	14.0	16.0
31	---	---	---	17.5	15.5	16.5	20.5	15.0	17.0	---	---	---
MONTH	18.5	10.0	12.7	19.5	12.0	14.9	21.0	14.5	17.0	21.5	11.0	16.3

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1999 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1999 to current year.
INSTRUMENTATION.--Water-temperature recorder since June 16, 1999, provides continuous recordings.
REMARKS.--Records fair.

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	16.0	12.0	14.0	10.0	8.5	9.5	4.0	.5	2.5	4.0	2.0	3.0
2	16.0	14.0	15.0	10.5	8.0	9.0	4.0	2.5	3.5	4.0	2.0	3.0
3	16.5	14.5	15.5	12.0	9.5	11.0	4.0	3.0	3.5	4.0	2.0	3.0
4	15.0	13.0	14.5	10.0	8.5	9.0	4.5	3.0	3.5	3.0	1.5	2.5
5	14.0	12.0	13.5	9.5	8.0	9.0	5.5	3.5	4.5	2.5	1.0	2.0
6	13.5	12.0	13.0	9.5	8.0	9.0	6.0	4.5	5.0	3.0	1.5	2.0
7	13.5	11.5	12.5	9.0	7.5	8.0	6.0	4.5	5.0	3.0	1.5	2.5
8	14.0	12.0	13.0	8.5	7.0	7.5	5.0	3.5	4.5	3.5	1.5	2.5
9	14.5	13.0	13.5	8.0	7.0	7.5	5.0	3.5	4.0	3.5	2.0	2.5
10	14.5	12.5	13.5	9.0	7.5	8.0	5.0	3.0	4.0	3.5	1.5	2.5
11	14.0	12.5	13.5	8.0	6.0	7.5	4.5	2.5	3.5	3.5	2.0	3.0
12	13.5	11.0	12.5	7.5	6.0	7.0	4.0	2.5	3.0	3.0	1.5	2.5
13	13.5	10.5	12.5	8.0	6.0	7.0	4.5	3.0	3.5	3.0	1.5	2.5
14	13.0	7.5	10.5	8.0	6.0	7.0	4.5	3.0	4.0	3.0	1.0	2.0
15	10.5	7.0	8.5	6.5	3.5	4.5	4.5	3.0	3.5	3.0	1.0	2.0
16	11.5	8.5	10.0	4.5	3.5	4.0	4.5	3.0	3.5	3.5	1.5	2.5
17	12.0	10.5	11.5	5.0	3.5	4.0	4.0	2.5	3.5	3.0	1.0	2.0
18	11.5	9.5	10.5	5.0	3.5	4.5	4.0	2.0	3.0	3.0	1.0	2.0
19	10.5	8.5	9.5	5.5	4.0	5.0	4.0	2.0	3.0	3.5	1.0	2.0
20	9.5	8.0	8.5	6.5	4.5	5.5	4.0	2.0	3.0	3.5	1.0	2.5
21	10.0	7.5	8.5	5.5	3.5	4.5	3.5	2.0	3.0	3.0	1.0	2.0
22	11.0	7.5	9.0	6.0	3.5	4.5	3.5	2.0	2.5	3.0	1.0	2.0
23	11.0	7.5	9.5	7.0	5.0	6.0	3.5	2.0	2.5	3.5	1.0	2.0
24	8.5	7.0	7.5	8.0	5.0	6.5	3.5	2.0	2.5	3.5	1.5	2.5
25	8.0	6.5	7.0	7.5	5.0	6.5	3.5	1.5	2.5	3.5	1.5	2.5
26	9.0	6.0	7.5	6.0	4.5	5.5	3.5	2.0	3.0	3.5	1.5	2.5
27	8.5	7.0	8.0	8.0	5.5	6.5	3.5	1.5	2.5	3.0	1.0	2.5
28	8.5	6.5	7.5	6.5	4.5	5.5	3.5	2.0	2.5	3.0	1.0	2.0
29	10.0	7.5	8.5	5.0	3.0	4.0	3.5	2.0	2.5	3.5	1.0	2.0
30	10.0	7.5	8.5	3.5	1.0	2.5	3.5	2.0	3.0	3.5	1.0	2.0
31	10.0	8.5	9.5	---	---	---	3.5	1.5	2.5	3.5	1.5	2.5
MONTH	16.5	6.0	10.9	12.0	1.0	6.5	6.0	.5	3.3	4.0	1.0	2.4

01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH -- 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	3.0	1.5	2.5	2.0	.0	1.0	7.5	2.0	4.5	6.5	4.0	5.5
2	3.0	1.0	2.0	2.0	.0	1.0	5.5	3.0	4.0	7.5	5.0	6.0
3	3.0	1.5	2.0	2.0	.0	1.0	4.5	3.0	4.0	7.5	4.5	6.0
4	3.5	1.0	2.0	2.5	.0	1.0	4.5	2.5	3.5	8.5	5.0	6.5
5	3.5	1.0	2.0	2.5	.0	1.0	3.5	1.5	2.5	12.0	6.5	9.5
6	3.0	1.0	2.0	3.0	.0	1.5	3.5	1.0	2.5	10.0	8.0	9.0
7	3.0	1.0	2.0	3.5	.0	1.5	4.0	2.0	3.0	12.5	8.5	10.5
8	3.0	1.0	2.0	3.0	.0	1.5	8.5	2.5	5.0	13.5	10.5	12.0
9	3.5	1.5	2.5	3.0	.5	1.5	6.5	1.0	3.5	12.0	9.0	10.5
10	3.5	1.5	2.5	2.0	.0	1.0	4.0	.5	2.0	10.5	8.0	9.0
11	3.5	1.5	2.5	2.0	.0	1.0	4.5	1.0	2.5	8.5	7.0	8.0
12	3.5	.5	2.0	2.0	.0	1.0	3.5	2.0	3.0	9.5	7.0	8.0
13	4.0	.5	2.0	2.5	.0	1.0	5.0	1.5	3.0	10.0	8.0	9.0
14	3.5	1.0	2.0	2.5	.0	1.0	5.0	2.0	3.5	10.0	8.0	9.0
15	3.5	1.0	2.5	2.5	.0	1.5	8.0	3.0	5.5	9.5	7.5	8.5
16	3.5	1.0	2.5	2.5	.0	1.0	6.5	3.5	5.0	10.0	7.0	8.5
17	3.0	.5	2.0	2.0	.0	1.0	6.0	2.0	4.0	11.0	8.0	9.0
18	3.5	.5	2.0	2.5	.0	1.0	7.5	2.5	5.0	10.0	8.5	9.0
19	4.0	1.0	2.5	3.0	.0	1.5	6.0	4.0	5.0	11.0	7.5	9.5
20	4.0	1.0	2.5	3.0	.0	1.5	9.0	4.5	6.5	12.0	7.5	10.0
21	4.0	.5	2.5	5.5	.0	2.5	7.5	4.5	6.0	12.0	9.5	10.5
22	4.5	1.0	2.5	7.0	1.0	3.5	5.0	3.0	4.0	11.5	9.5	10.5
23	4.0	1.5	2.5	6.0	1.0	3.5	5.5	3.0	4.5	11.0	9.0	10.0
24	4.0	1.5	2.5	6.0	.5	3.0	4.5	2.5	3.5	11.0	8.5	10.0
25	4.0	1.5	2.5	5.0	.5	2.5	6.5	2.5	4.5	11.5	9.0	10.0
26	3.5	1.5	2.5	4.0	1.5	3.0	6.5	3.5	5.0	10.5	9.0	10.0
27	4.5	1.5	2.5	6.0	1.5	3.5	5.0	4.0	4.5	10.0	8.5	9.5
28	2.5	.0	1.5	4.5	1.0	3.0	5.5	3.5	4.5	10.5	8.5	9.5
29	2.0	.0	1.0	3.0	.5	1.5	7.0	3.5	5.0	12.5	8.5	10.5
30	---	---	---	4.0	1.0	2.5	7.0	5.0	6.0	14.0	9.5	11.5
31	---	---	---	4.0	1.5	3.0	---	---	---	13.5	10.0	11.5
MONTH	4.5	.0	2.2	7.0	.0	1.8	9.0	.5	4.2	14.0	4.0	9.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.0	10.5	12.0	15.0	12.5	13.5	15.0	12.5	14.0	19.0	15.0	16.5
2	13.0	10.0	11.5	15.0	12.0	13.5	18.0	13.0	14.5	18.5	15.5	17.0
3	13.0	10.0	11.5	13.5	11.5	12.5	17.5	13.5	15.0	19.0	15.5	17.0
4	12.0	10.0	11.0	15.0	12.0	13.5	18.0	13.5	15.0	17.5	14.5	16.5
5	12.5	10.0	11.0	14.5	12.5	13.5	17.5	13.5	15.0	17.0	13.5	15.0
6	11.5	10.0	10.5	14.5	12.0	13.0	18.0	13.0	15.0	18.5	14.0	16.0
7	12.5	9.5	10.5	14.0	12.0	13.0	16.5	13.5	14.5	18.5	15.0	16.0
8	12.5	9.0	11.0	15.0	12.0	13.0	18.5	14.0	16.0	18.5	15.0	16.5
9	15.0	10.5	12.0	14.5	12.0	13.0	17.5	14.0	15.5	19.0	15.5	17.0
10	12.5	10.5	11.5	14.0	11.5	12.5	18.5	14.0	15.5	19.5	16.0	17.0
11	11.5	9.5	10.5	14.5	12.0	13.0	18.5	14.0	15.5	18.5	15.5	17.0
12	13.5	9.0	11.5	15.5	12.5	13.5	19.5	14.0	16.5	18.5	16.5	17.0
13	14.0	10.5	12.5	15.5	12.5	13.5	18.0	14.0	15.5	19.5	16.0	17.5
14	13.0	11.0	12.0	15.5	12.5	13.5	17.0	13.5	15.0	19.0	16.0	17.5
15	16.0	11.0	13.0	15.5	12.0	13.5	18.0	14.0	15.5	17.5	15.0	16.5
16	16.5	11.5	14.0	15.0	12.5	13.5	17.5	14.5	16.0	15.5	13.5	14.5
17	15.5	12.0	13.5	15.5	12.0	13.5	16.0	14.0	15.0	16.5	14.0	15.0
18	15.0	11.0	13.0	17.0	13.0	14.5	17.0	14.0	15.0	17.0	15.0	16.0
19	15.5	11.0	13.0	15.5	12.5	14.0	17.0	14.0	15.5	18.0	15.0	16.5
20	16.0	11.0	13.0	16.5	12.5	14.5	16.0	13.5	15.0	19.0	16.0	17.0
21	13.5	11.5	12.5	15.0	12.0	13.5	17.5	13.5	15.5	17.5	15.0	16.5
22	15.5	11.5	13.0	16.0	12.0	13.5	18.0	14.0	15.5	17.5	15.0	16.0
23	15.5	12.0	13.0	15.5	12.5	13.5	16.0	14.0	15.0	17.0	15.0	16.0
24	18.5	11.5	13.5	16.5	12.5	14.0	18.5	14.5	16.0	17.0	13.5	15.5
25	14.5	11.5	12.5	17.5	12.5	14.5	18.5	15.0	16.5	16.0	12.5	14.0
26	16.0	11.5	13.0	17.5	12.5	14.5	19.5	14.5	16.5	16.5	13.5	15.0
27	15.0	12.0	13.0	15.0	12.5	13.5	16.5	14.5	15.5	17.0	13.5	15.0
28	15.5	12.5	14.0	16.5	12.0	14.0	18.5	14.5	16.0	15.5	13.0	14.5
29	15.0	12.0	13.0	16.0	12.5	14.0	18.5	14.0	16.0	15.5	12.5	13.5
30	14.0	11.5	12.5	17.0	13.0	14.5	19.0	15.0	16.5	16.0	12.5	14.0
31	---	---	---	16.0	13.0	14.5	19.0	15.5	17.0	---	---	---
MONTH	18.5	9.0	12.3	17.5	11.5	13.6	19.5	12.5	15.5	19.5	12.5	16.0

01129440 MOHAWK RIVER NEAR COLEBROOK, NH

LOCATION.--Lat 44°52'28", Long 71°24'38", Coos County, Hydrologic Unit 01080101, on right bank, upstream of Bungy Road Bridge, south of the intersection of State Highway 26 and Bungy Road, 0.8 mi upstream of Read Brook, 1.7 mi downstream of Roaring Brook, 5 mi east of Colebrook, and 5.5 mi west of Dixville Notch.
DRAINAGE AREA.--36.7 mi^2.
PERIOD OF RECORD.--Discharge records: October 1986 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,190 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair, and estimated daily discharges during periods December 26 to January 4 and February 27-28, which are poor.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 23	1015	912	7.17	Apr. 4	1030	755	6.86
Nov. 27	1045	939	7.22	Apr. 9	1200	1,290	7.80
Feb. 28	1345	539	6.37	Apr. 23	2215	506	6.29
Mar. 28	1500	1,260	7.76	May 10	0330	* 2,830	* 9.52

Minimum discharge, 9.5 ft^3/s, August 13, 14, 31 and September 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	90	65	e80	e26	e25	e91	140	102	45	20	12	9.8
2	55	56	e73	e28	e25	70	180	120	47	17	11	14
3	47	59	73	e50	e25	59	246	93	45	23	11	25
4	62	50	99	e100	e24	51	532	86	41	43	32	42
5	67	45	105	148	e24	47	367	115	42	26	14	19
6	56	43	91	66	e23	e43	184	106	47	20	12	14
7	46	41	76	59	e23	e43	142	155	49	18	12	12
8	40	39	66	e43	e22	48	179	158	36	17	14	13
9	43	38	59	e40	e22	115	720	348	38	18	13	16
10	40	42	61	38	e22	190	296	956	33	29	12	14
11	77	42	86	49	e23	e89	173	620	157	21	11	14
12	46	34	66	e44	e22	74	144	265	79	17	12	13
13	41	37	60	e34	e22	e58	e124	175	52	14	10	27
14	157	64	57	e33	e23	e51	e131	164	42	13	19	18
15	94	80	54	e32	e22	60	246	119	37	13	39	91
16	72	55	59	e34	e22	85	233	102	34	26	24	62
17	64	48	56	e33	e22	66	151	95	40	22	22	27
18	81	45	e44	e32	e21	e54	125	188	33	20	18	22
19	64	47	e41	e32	e21	e56	114	152	29	23	14	21
20	59	85	e43	e31	e21	e51	117	99	26	16	22	21
21	59	203	e73	e30	e20	e57	121	86	27	14	19	26
22	51	119	e51	e30	e21	86	136	79	44	19	14	24
23	449	116	e44	29	e22	119	305	75	47	22	14	19
24	261	91	e38	e30	e29	141	282	92	30	15	37	34
25	152	75	e31	e29	e33	138	200	122	25	14	18	28
26	112	98	e30	e29	25	161	156	116	23	11	13	21
27	93	462	e29	e28	e31	158	141	102	38	11	13	18
28	78	189	e27	e27	e260	624	126	80	28	12	15	23
29	70	125	e26	e26	e160	381	116	69	20	18	12	19
30	62	97	e27	e25	---	190	117	60	22	19	11	17
31	60	---	e26	e25	---	138	---	52	---	13	10	---
TOTAL	2748	2590	1751	1260	1055	3594	6244	5151	1256	584	510	723.8
MEAN	88.6	86.3	56.5	40.6	36.4	116	208	166	41.9	18.8	16.5	24.1
MAX	449	462	105	148	260	624	720	956	157	43	39	91
MIN	40	34	26	25	20	43	114	52	20	11	10	9.8
CFSM	2.42	2.35	1.54	1.11	.99	3.16	5.67	4.53	1.14	.51	.45	.66
IN.	2.79	2.63	1.77	1.28	1.07	3.64	6.33	5.22	1.27	.59	.52	.73

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

MEAN	58.0	71.3	57.4	52.2	36.5	92.7	206	103	53.6	40.0	33.1	33.2
MAX	122	110	127	134	109	231	344	177	96.3	108	93.3	79.9
(WY)	1991	1989	1991	1996	1996	1998	1996	1989	1998	1996	1988	1999
MIN	23.5	33.0	25.9	25.8	13.4	23.0	74.2	51.3	26.7	13.0	12.9	11.1
(WY)	1998	1995	1990	1994	1993	1994	1995	1998	1992	1991	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
ANNUAL TOTAL	25660.0		27466.8			
ANNUAL MEAN	70.3		75.0		69.7	
HIGHEST ANNUAL MEAN					104	1996
LOWEST ANNUAL MEAN					44.1	1995
HIGHEST DAILY MEAN	948	Sep 17	956	May 10	2450	Mar 31 1998
LOWEST DAILY MEAN	6.3	Sep 6	9.8	Sep 1	5.3	Sep 5 1995
ANNUAL SEVEN-DAY MINIMUM	6.5	Sep 2	12	Aug 26	5.8	Sep 1 1995
INSTANTANEOUS PEAK FLOW			2830	May 10	a 4880	Mar 31 1998
INSTANTANEOUS PEAK STAGE			9.52	May 10	10.99	Mar 31 1998
INSTANTANEOUS LOW FLOW			b 9.5	Aug 13	c 5.2	Sep 4 1995
ANNUAL RUNOFF (CFSM)	1.92		2.04		1.90	
ANNUAL RUNOFF (INCHES)	26.01		27.84		25.82	
10 PERCENT EXCEEDS	156		157		138	
50 PERCENT EXCEEDS	45		43		41	
90 PERCENT EXCEEDS	13		14		17	

a From rating curve extended above 2,200 ft^3/s.
b Also occurred on August 14, 31 and September 1, 2.
c Also occurred on September 5-7, 1996.
e Estimated.

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH

LOCATION.--Lat 44°44'56", long 71°37'50", Coos County, Hydrologic Unit 01080101, on left bank, at North Stratford, 400 ft downstream from Nulhegan River, and at mile 344.5.
DRAINAGE AREA.--799 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1930 to current year.
Water-quality records: Water years 1957, 1995, 1996.
REVISED RECORDS.--WSP 781: 1934(M). WSP 891: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 880.17 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by powerplants and by First Connecticut and Second Connecticut Lakes and Lake Francis 36 mi upstream.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,200 ft^3/s, May 11, gage height, 11.89 ft; maximum gage height, 12.50 ft, February 29 (ice jam); minimum daily discharge, 344 ft^3/s, August 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	2090	1550	1710	e1400	e1360	e3000	2720	2990	1190	967	403	421
2	1720	1430	1860	e1500	e1390	e2500	3120	3330	1110	849	356	490
3	1450	1420	1840	e1600	e1360	e2000	4440	3040	1090	753	344	819
4	1410	1360	1890	e2300	e1350	e1700	8220	2760	1020	1100	894	931
5	1760	1410	2200	e3100	e1310	e1500	10700	2910	974	1110	550	808
6	1700	1360	2240	e2350	e1310	e1350	6150	2360	991	934	407	607
7	1550	1280	2050	e2100	e1320	1200	3570	3090	998	782	372	569
8	1380	1160	1860	e1850	e1290	1230	3240	3560	857	735	414	531
9	1320	1130	1710	e1660	e1160	1740	7570	5250	822	723	436	512
10	1300	1130	1650	1610	e1090	e3500	7270	12700	766	818	392	482
11	1540	1130	2300	1680	e1120	e2900	4200	18300	1440	904	376	465
12	1610	1050	2220	1730	e1090	2420	3570	13300	1960	761	474	463
13	1440	1070	1980	e1610	e1010	2060	3090	8500	1310	666	407	580
14	1870	1170	1870	e1500	e1110	1570	2990	6690	1010	642	365	594
15	2530	1930	1790	e1400	e1010	1550	4000	5090	868	733	663	1000
16	1930	1720	1800	e1470	e1070	1730	5690	3010	798	646	945	2140
17	1660	1440	1890	e1530	e1070	1940	4020	2570	743	714	1130	1350
18	1620	1360	1650	e1490	e1060	1400	2870	2790	755	563	837	1030
19	1530	1310	1460	e1490	e1060	1370	2520	3940	673	573	659	886
20	1380	1430	e1550	e1480	e1020	1270	2370	2550	604	561	616	755
21	1270	3220	e1900	e1520	e1050	1210	2570	2060	561	448	685	713
22	1150	3200	1810	e1530	e1070	1440	3230	1820	648	467	574	717
23	3380	2470	1610	e1450	e1050	2000	4870	1650	799	486	525	630
24	6340	2070	e1430	e1390	e1010	2810	6580	1630	712	466	1270	753
25	5100	1650	e1370	e1420	e1060	3110	5780	1960	678	433	1010	1090
26	3170	1630	e1400	e1420	e1180	3530	4820	2590	710	414	689	875
27	2400	5480	e1500	e1410	e1230	3540	4040	2230	1120	398	558	723
28	2000	6290	e1480	e1420	e1950	5460	3540	1930	1290	396	537	692
29	1790	3360	e1380	e1360	e3600	8520	3190	1630	935	652	493	710
30	1600	2280	e1400	e1360	---	5970	3280	1460	855	756	459	655
31	1510	---	e1450	e1370	---	3530	---	1300	---	512	438	---
TOTAL	62500	58490	54250	50500	36760	79050	134220	128990	28287	20962	18278	22991
MEAN	2016	1950	1750	1629	1268	2550	4474	4161	943	676	590	766
MAX	6340	6290	2300	3100	3600	8520	10700	18300	1960	1110	1270	2140
MIN	1150	1050	1370	1360	1010	1200	2370	1300	561	396	344	421

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

MEAN	1293	1604	1538	1366	1225	1656	3894	2547	1251	894	840	922
MAX	3445	3119	3095	2537	3295	6254	7348	6018	3724	2818	2475	3203
(WY)	1978	1960	1974	1998	1981	1936	1934	1972	1943	1996	1976	1954
MIN	355	583	643	549	350	271	1206	843	472	292	220	357
(WY)	1949	1948	1948	1948	1940	1940	1995	1998	1962	1955	1940	1949

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1930 - 2000	
ANNUAL TOTAL	547833		695278			
ANNUAL MEAN	1501		1900		1585	
HIGHEST ANNUAL MEAN					2246	1974
LOWEST ANNUAL MEAN					1033	1995
HIGHEST DAILY MEAN	11600	Sep 18	18300	May 11	28000	Mar 19 1936
LOWEST DAILY MEAN	246	Sep 7	344	Aug 3	108	Sep 29 1960
ANNUAL SEVEN-DAY MINIMUM	250	Sep 2	409	Aug 8	128	Aug 16 1975
INSTANTANEOUS PEAK FLOW			19200	May 11	32300	Mar 31 1998
INSTANTANEOUS PEAK STAGE			a 12.50	Feb 29	ab 20.60	Mar 6 1979
10 PERCENT EXCEEDS	2610		3530		3030	
50 PERCENT EXCEEDS	1320		1410		1120	
90 PERCENT EXCEEDS	445		561		457	

a Ice jam.
b From floodmarks in well.
e Estimated.

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957, 1995, 1996, 1999.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1999 to current year.
INSTRUMENTATION.--Water-temperature recorder since June 16, 1999, provides continuous recordings.
REMARKS.--Records fair.

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	---	---	---	21.5	18.0	19.5	22.5	19.0	20.5	22.5	15.5	19.0
2	---	---	---	21.5	19.0	20.0	19.5	17.0	18.5	23.0	16.5	19.5
3	---	---	---	23.0	18.0	20.5	20.5	16.0	18.0	24.0	17.5	20.5
4	---	---	---	24.0	19.5	21.5	17.5	16.0	17.0	25.0	18.5	21.5
5	---	---	---	25.0	20.5	22.0	20.0	16.5	18.0	24.0	19.5	21.5
6	---	---	---	22.5	20.0	21.5	19.5	17.0	18.0	23.5	19.5	21.5
7	---	---	---	20.0	18.5	19.0	20.0	17.5	18.5	24.0	21.0	22.5
8	---	---	---	19.5	17.0	18.0	17.5	16.0	16.5	23.0	21.0	22.0
9	---	---	---	18.5	16.0	17.0	16.5	15.0	16.0	24.0	20.5	22.0
10	---	---	---	17.5	15.5	16.5	17.5	13.5	15.5	21.5	19.0	20.0
11	---	---	---	16.0	14.5	15.0	19.0	15.0	17.0	20.5	17.5	19.0
12	---	---	---	19.0	14.5	16.5	21.5	17.5	19.0	20.5	16.5	18.5
13	---	---	---	17.0	14.5	16.0	21.0	17.5	19.0	20.5	16.5	18.5
14	---	---	---	18.5	14.5	16.0	20.5	18.0	19.5	20.5	17.0	18.5
15	---	---	---	20.0	15.5	17.5	20.0	17.5	19.0	21.0	18.0	19.5
16	---	---	---	20.5	16.5	18.0	21.5	17.0	19.0	19.0	14.5	17.5
17	18.5	15.0	17.0	23.5	16.5	19.5	21.5	18.0	19.5	14.5	12.0	13.0
18	19.0	15.0	16.5	22.5	19.5	21.0	20.5	18.0	19.5	13.0	11.5	12.0
19	20.5	14.0	17.0	21.0	17.5	19.0	22.0	17.5	19.5	13.5	12.0	13.0
20	21.0	15.0	18.0	20.5	16.0	18.0	21.0	17.5	19.0	15.0	12.0	13.5
21	22.0	16.5	19.0	21.5	15.5	18.5	19.5	17.5	18.5	14.0	13.0	13.5
22	24.0	17.0	20.0	22.5	17.0	19.5	19.5	17.0	18.0	13.5	11.5	12.5
23	23.5	18.5	21.0	23.0	18.5	20.5	21.5	16.5	18.5	13.0	11.0	12.0
24	23.5	19.0	21.0	20.0	18.5	19.5	23.0	17.0	19.5	14.5	11.5	13.0
25	21.5	19.0	20.5	20.0	17.0	18.5	24.0	18.0	21.0	14.5	13.0	13.5
26	23.5	18.0	20.5	19.5	16.0	18.0	23.5	18.5	21.0	14.5	12.0	13.0
27	24.5	18.5	21.5	21.5	17.5	19.5	22.5	20.0	21.0	14.5	11.5	13.0
28	22.0	20.0	21.0	22.5	17.5	20.0	24.5	20.0	22.0	15.5	12.5	14.0
29	22.5	19.5	21.0	21.5	18.0	19.5	23.0	19.0	20.5	16.0	14.0	15.0
30	21.0	17.5	19.0	22.0	17.5	19.5	21.0	17.5	19.0	16.0	13.5	15.0
31	---	---	---	22.0	17.5	19.5	22.0	15.5	18.5	---	---	---
MONTH	24.5	14.0	19.5	25.0	14.5	18.9	24.5	13.5	18.8	25.0	11.0	16.9

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957, 1995, 1996, 1999 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1999 to current year.
INSTRUMENTATION.--Water-temperature recorder since June 16, 1999, provides continuous recordings.
REMARKS.--Records fair.

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	14.0	12.5	13.0	9.5	7.5	8.0	2.0	.0	1.0	1.0	.0	.5
2	14.0	11.5	12.5	9.0	7.0	8.0	1.5	.0	.5	1.0	.0	.5
3	14.5	12.5	13.0	11.5	8.5	10.0	3.0	1.0	2.0	1.0	.0	.5
4	12.5	10.5	11.5	9.5	6.5	8.5	3.5	2.0	3.0	1.5	.0	.5
5	11.5	9.5	10.5	7.5	5.5	6.5	5.0	3.0	4.0	1.5	.0	1.0
6	11.0	9.0	10.0	8.0	6.0	7.0	6.0	4.5	5.0	1.0	.0	.5
7	10.0	8.5	9.0	7.0	5.0	6.0	6.0	4.0	5.0	1.5	.0	.5
8	10.5	7.5	9.0	5.5	3.5	5.0	5.0	3.0	4.0	1.5	.0	.5
9	11.5	9.0	10.5	5.0	3.5	4.5	4.0	2.5	3.0	1.5	.0	1.0
10	13.0	10.5	11.5	6.5	4.5	5.5	3.5	2.0	3.0	2.5	1.0	1.5
11	13.5	11.5	12.0	6.5	4.0	5.5	3.5	1.5	3.0	2.5	1.0	1.5
12	12.0	10.0	11.0	4.5	3.0	4.0	2.5	1.5	2.0	2.0	.0	1.5
13	11.5	9.5	10.5	5.0	3.0	4.0	3.0	1.5	2.5	1.0	.0	.5
14	11.5	8.0	10.0	5.5	4.5	5.0	3.5	2.0	3.0	1.0	.0	.5
15	8.5	7.0	7.5	5.5	3.5	4.5	3.5	2.5	3.0	1.0	.0	.5
16	10.0	7.0	8.5	4.0	2.0	3.0	3.5	2.5	3.0	1.0	.0	.5
17	11.0	9.0	10.0	2.5	1.5	2.0	3.0	1.5	2.5	1.0	.0	.5
18	11.0	8.5	10.0	3.0	1.5	2.0	2.5	.0	1.0	1.0	.0	.5
19	9.0	7.0	8.0	4.5	2.5	3.5	1.0	.0	.5	1.0	.0	.5
20	8.0	7.0	7.5	5.0	3.0	4.0	1.0	.0	.5	1.0	.0	.5
21	8.5	7.0	7.5	6.0	4.0	5.0	1.5	.0	1.0	1.0	.0	.5
22	8.0	6.0	7.5	5.0	4.0	4.5	1.5	.5	1.0	1.0	.0	.5
23	8.5	7.0	7.5	7.0	5.0	6.0	1.0	.0	.5	1.0	.0	.5
24	8.0	6.5	7.0	7.5	5.5	6.5	1.0	.0	.5	1.0	.0	.5
25	7.0	6.0	6.5	7.5	6.0	6.5	1.0	.0	.5	1.0	.0	.5
26	7.0	5.5	6.5	6.0	5.0	5.5	1.0	.0	.5	1.0	.0	.5
27	8.0	6.5	7.0	7.5	5.0	6.5	1.0	.0	.5	1.0	.0	.5
28	6.5	5.0	6.0	6.5	4.5	5.5	1.0	.0	.5	1.0	.0	.5
29	8.0	5.5	6.5	5.0	3.5	4.0	1.0	.0	.5	1.0	.0	.5
30	8.0	6.0	7.0	3.5	1.5	3.0	1.0	.0	.5	1.0	.0	.5
31	9.0	6.5	8.0	---	---	---	1.0	.0	.5	1.0	.0	.5
MONTH	14.5	5.0	9.1	11.5	1.5	5.3	6.0	.0	1.9	2.5	.0	.6

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH -- 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	1.0	.0	.5	1.0	.0	.5	5.0	2.0	3.5	7.0	5.5	6.5
2	1.0	.0	.5	1.0	.0	.5	5.0	3.5	4.5	8.5	6.0	7.0
3	1.0	.0	.5	1.5	.0	.5	4.0	3.0	3.5	8.5	6.0	7.5
4	1.0	.0	.5	2.0	.0	1.0	4.0	3.0	3.5	10.0	7.0	8.5
5	1.0	.0	.5	2.0	.5	1.0	4.0	2.5	3.0	10.5	9.0	9.5
6	1.0	.0	.5	3.0	.0	1.5	3.0	2.0	2.5	11.0	9.0	10.0
7	1.0	.0	.5	3.0	.0	1.5	3.5	2.5	3.0	12.0	9.0	10.5
8	1.0	.0	.5	4.5	1.0	2.5	6.0	3.0	4.5	13.5	11.5	12.5
9	1.0	.0	.5	4.5	2.0	3.5	6.0	1.5	4.0	12.5	10.0	11.5
10	1.0	.0	.5	3.5	.5	2.0	3.0	.5	2.0	11.0	8.5	9.5
11	1.0	.0	.5	1.5	.0	1.0	3.5	2.0	3.0	9.0	7.5	8.0
12	1.0	.0	.5	1.5	.0	.5	3.5	2.0	2.5	10.5	7.5	9.0
13	1.0	.0	.5	2.5	.0	1.0	4.0	1.5	2.5	10.5	9.0	10.0
14	1.0	.0	.5	1.5	.0	.5	4.5	2.5	3.5	11.5	9.5	10.5
15	1.0	.0	.5	3.0	.0	1.5	7.0	3.5	5.5	11.0	9.0	9.5
16	1.0	.0	.5	2.5	.5	2.0	7.0	4.5	6.0	10.0	8.5	9.5
17	1.0	.0	.5	2.0	.0	1.0	5.0	3.5	4.0	12.0	9.0	10.5
18	1.0	.0	.5	2.5	.0	1.0	6.5	4.0	5.0	11.0	9.5	10.5
19	1.0	.0	.5	3.5	.0	1.5	6.5	4.5	5.5	10.0	8.5	9.5
20	1.0	.0	.5	4.0	.0	2.0	7.5	5.0	6.0	11.5	8.0	10.0
21	1.0	.0	.5	5.5	1.0	3.0	7.0	5.5	6.5	12.5	10.0	11.0
22	1.0	.0	.5	5.5	2.0	4.0	6.0	3.5	5.0	13.0	10.5	11.5
23	1.0	.0	.5	5.5	2.5	4.0	5.0	3.0	4.0	13.0	10.5	11.5
24	1.0	.0	.5	5.0	2.0	3.5	4.5	3.0	3.5	12.0	10.0	11.0
25	1.0	.0	.5	4.0	2.0	3.0	5.5	2.5	4.0	12.0	10.0	11.0
26	1.0	.0	.5	4.0	2.5	3.0	6.0	5.0	5.5	11.5	10.5	11.0
27	1.0	.0	.5	4.5	2.0	3.0	6.0	4.0	5.0	11.0	9.5	10.5
28	1.0	.0	.5	4.0	1.5	3.0	5.0	4.0	4.5	11.5	9.0	10.5
29	1.0	.0	.5	2.5	1.5	2.0	6.5	4.0	5.5	13.0	9.0	11.0
30	---	---	---	3.0	2.0	2.5	8.0	6.0	7.0	16.0	10.0	13.0
31	---	---	---	3.0	2.0	2.5	---	---	---	17.0	12.0	14.5
MONTH	1.0	.0	.5	5.5	.0	1.9	8.0	.5	4.3	17.0	5.5	10.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	14.0	16.0	---	---	---	---	---	---	24.0	19.0	21.0
2	17.0	14.0	15.5	---	---	---	---	---	---	21.5	18.0	20.0
3	17.0	13.0	15.0	---	---	---	---	---	---	20.5	17.5	18.5
4	15.0	12.5	14.0	---	---	---	---	---	---	18.0	15.0	17.5
5	15.0	11.0	13.0	---	---	---	---	---	---	17.5	14.0	15.5
6	---	---	---	---	---	---	---	---	---	17.5	13.0	15.0
7	---	---	---	---	---	---	---	---	---	18.0	13.0	15.5
8	---	---	---	---	---	---	---	---	---	18.0	14.0	16.0
9	---	---	---	---	---	---	---	---	---	19.5	15.5	17.5
10	---	---	---	---	---	---	---	---	---	20.5	15.5	17.5
11	---	---	---	---	---	---	---	---	---	20.0	16.5	18.0
12	---	---	---	---	---	---	---	---	---	18.5	17.5	18.0
13	---	---	---	---	---	---	---	---	---	20.5	17.0	18.5
14	---	---	---	---	---	---	---	---	---	19.0	16.5	18.0
15	---	---	---	---	---	---	---	---	---	17.5	14.5	16.0
16	---	---	---	---	---	---	---	---	---	15.0	13.5	14.0
17	---	---	---	---	---	---	18.5	16.0	17.5	14.0	12.5	13.0
18	---	---	---	---	---	---	19.0	15.0	16.5	16.0	12.5	14.0
19	---	---	---	---	---	---	18.5	15.5	17.0	17.0	13.5	15.0
20	---	---	---	---	---	---	17.0	15.0	16.5	19.5	15.5	17.0
21	---	---	---	---	---	---	18.5	15.0	16.0	18.0	16.0	17.0
22	---	---	---	---	---	---	19.5	14.5	17.0	17.5	14.5	16.0
23	---	---	---	---	---	---	17.5	16.0	16.5	15.0	13.5	14.0
24	---	---	---	---	---	---	18.5	15.5	17.0	15.0	12.5	14.0
25	---	---	---	---	---	---	20.0	15.5	17.5	15.0	12.0	13.5
26	---	---	---	---	---	---	21.0	16.5	19.0	14.5	11.5	12.5
27	---	---	---	---	---	---	19.0	17.0	18.0	15.0	11.0	13.0
28	---	---	---	---	---	---	21.0	16.0	18.0	13.5	10.5	12.5
29	---	---	---	---	---	---	20.5	15.5	17.5	13.0	9.5	11.0
30	---	---	---	---	---	---	21.5	17.0	19.0	13.0	9.0	11.0
31	---	---	---	---	---	---	23.5	18.0	20.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	24.0	9.0	15.7

01130000 UPPER AMMONOOSUC RIVER NEAR GROVETON, NH

LOCATION.--Lat 44°37'30", long 71°28'10", Coos County, Hydrologic Unit 01080101, on left bank, 75 ft upstream from highway bridge, 0.2 mi downstream from Nash Stream, and 2.8 mi northeast of Groveton.
DRAINAGE AREA.--232 mi^2.
PERIOD OF RECORD.--Discharge records: August 1940 to November 1980, October 1982 to current year. Water-quality records: Water year 1955.
GAGE.--Water-stage recorder. Elevation of gage is 920 ft above sea level, from topographic map.
REMARKS.--Records good except those for the period of May 11 to June 2, which are fair, and periods of estimated record, which are poor. Prior to May 21, 1969, some regulation by pond 9 mi upstream on Nash Stream. Small diversion upstream for municipal supply of Berlin.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 29	1500	3,270	5.89	Apr. 10	0700	4,900	6.90
Apr. 5	0815	* 4,950	* 6.93	May 11	0145	4,180	6.48

Minimum discharge, 89 ft^3/s, September 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	543	402	589	e220	e195	e1340	1130	825	387	193	137	93
2	393	371	506	e235	e190	976	1300	1060	366	155	118	123
3	314	412	498	e270	e185	735	2150	975	e350	135	165	287
4	318	478	506	e475	e182	581	3290	877	e340	171	290	299
5	401	383	531	e1020	e180	470	4590	1120	e325	165	192	256
6	387	331	515	e800	e180	393	2830	1180	e330	142	136	175
7	334	300	469	662	e178	347	1720	1320	e335	122	147	141
8	283	282	424	e485	e175	e350	1470	1530	318	114	524	123
9	274	262	376	e420	e175	e425	2990	2160	290	114	381	111
10	286	265	356	371	e175	e820	4360	3750	262	227	307	102
11	292	282	553	382	e180	886	2430	3620	435	262	214	98
12	287	262	492	431	e180	591	1610	2570	642	169	219	95
13	248	251	405	e350	e175	e480	1250	1680	442	129	183	115
14	478	305	364	e300	e190	e400	1100	1710	338	123	157	107
15	712	610	341	e285	e200	380	1230	1500	285	128	368	261
16	503	475	338	e260	e200	477	1650	1110	256	165	335	747
17	408	362	351	e240	e195	595	1410	915	229	306	308	406
18	379	314	277	e230	e190	e430	1100	987	241	241	243	296
19	377	298	238	e220	e185	e400	972	1560	217	238	196	236
20	355	317	e290	e215	e180	e360	889	1130	195	179	170	195
21	392	895	e420	e205	e170	e370	967	857	177	141	159	185
22	340	838	533	e200	e168	437	1130	724	181	127	143	197
23	1220	628	423	e195	e165	571	1340	641	177	121	134	166
24	2260	535	e345	e190	e175	820	2100	656	160	116	209	190
25	1620	472	e280	e190	e230	956	1770	797	154	109	187	222
26	969	500	e240	e195	e485	1120	1370	835	182	102	143	188
27	720	1570	e230	e190	e430	1320	1140	730	179	93	126	156
28	590	1910	e215	e185	e1000	1950	1020	612	205	95	119	149
29	513	1150	e210	e185	e1580	3110	894	528	160	147	110	152
30	454	798	e210	e195	---	2250	926	470	163	238	103	131
31	421	---	e220	e205	---	1420	---	429	---	177	97	---
TOTAL	17071	16258	11745	10006	8093	25760	52128	38858	8321	4944	6320	6002
MEAN	551	542	379	323	279	831	1738	1253	277	159	204	200
MAX	2260	1910	589	1020	1580	3110	4590	3750	642	306	524	747
MIN	248	251	210	185	165	347	889	429	154	93	97	93
CFSM	2.37	2.34	1.63	1.39	1.20	3.58	7.49	5.40	1.20	.69	.88	.86
IN.	2.74	2.61	1.88	1.60	1.30	4.13	8.36	6.23	1.33	.79	1.01	.96
(†)	2.11	2.23	2.90	3.58	3.62	3.41	2.19	2.13	2.15	2.11	2.23	2.16

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

MEAN	317	451	348	262	217	468	1424	1128	446	244	202	205
MAX	1057	1128	994	748	851	1374	2416	2695	1115	840	572	1427
(WY)	1991	1970	1974	1978	1970	1945	1954	1972	1947	1996	1969	1954
MIN	69.7	118	68.6	53.3	56.6	74.4	532	402	179	94.0	78.4	51.0
(WY)	1949	1948	1948	1948	1980	1941	1995	1941	1953	1991	1975	1948

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	169916		205506			
ANNUAL MEAN	466		561		476	
HIGHEST ANNUAL MEAN					696	1954
LOWEST ANNUAL MEAN					297	1980
HIGHEST DAILY MEAN	4390	Sep 18	4590	Apr 5	8350	Apr 23 1954
LOWEST DAILY MEAN	40	Sep 6	a 93	Jul 27	32	Sep 14 1948
ANNUAL SEVEN-DAY MINIMUM	45	Sep 3	107	Sep 8	37	Sep 9 1948
INSTANTANEOUS PEAK FLOW			4950	Apr 5	b 24100	May 20 1969
INSTANTANEOUS PEAK STAGE			6.93	Apr 5	c 12.01	May 20 1969
INSTANTANEOUS LOW FLOW			89	Sep 2	32	Sep 14 1948
ANNUAL RUNOFF (CFSM)	2.01		2.42		2.05	
ANNUAL RUNOFF (INCHES)	27.25		32.95		27.89	
10 PERCENT EXCEEDS	990		1320		1110	
50 PERCENT EXCEEDS	314		332		250	
90 PERCENT EXCEEDS	89		143		95	

(†) Diversion in cubic feet per second for municipal supply of Berlin; records furnished by City of Berlin.
a Also occurred September 1.
b From rating curve extended above 8,700 ft^3/s on basis of contracted-opening measurement of peak flow.
c From floodmarks. Caused by failure of dam on Nash Stream.
e Estimated.

01131500 CONNECTICUT RIVER NEAR DALTON, NH

LOCATION.--Lat 44°24'36", long 71°43'16", Coos County, Hydrologic Unit 01080101, on left bank, 250 ft upstream from highway bridge, 1,200 ft downstream from dam of Gilman Paper Co., 1.2 mi downstream from Dalton, and at mile 300.1.
DRAINAGE AREA.--1,514 mi^2.
PERIOD OF RECORD.--Discharge records: March 1927 to current year. Published as "at Waterford, VT" 1927-35. Records published for both sites January to September 1935.
Water-quality records: Water years 1953, 1971, 1994-95.
REVISED RECORDS.--WSP 891: Drainage area. WSP 1231: 1935. WSP 1301: 1928-35(M).
GAGE.--Water-stage recorder. Datum of gage is 799.89 ft above sea level. Prior to September 30, 1935, nonrecording gage at bridge 10.5 mi downstream at mean sea level. January 1, 1935, to June 29, 1937, nonrecording gage at bridge 250 ft downstream at present datum. July 11, 1956, to June 1, 1961, auxiliary nonrecording gage read hourly at same site.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplants and by First Connecticut and Second Connecticut Lakes, Lake Francis, and other reservoirs. These reservoirs have a combined usable capacity of about 8.3 billion ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,100 ft^3/s, May 12, gage height, 19.09 ft; minimum daily discharge, 754 ft^3/s, July 28 and August 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	3370	2850	4240	1810	1700	6410	6860	5530	2640	1440	1030	755
2	3580	2750	3220	1890	1760	5350	6290	5560	2350	1500	856	778
3	2970	2700	3320	2070	e1700	4360	8880	5840	2250	1380	754	1330
4	2410	2820	3550	2870	1700	3480	12900	5220	2070	1480	1210	1590
5	2780	2660	3670	4880	1600	2850	17000	5200	2060	2080	1520	1690
6	3080	2400	3920	5500	1620	2440	17500	5510	1920	1800	958	1340
7	3020	2500	3800	4220	1640	2120	13200	5380	1970	1560	835	1030
8	2550	2270	3480	3580	e1600	2040	8100	6550	2020	1240	1570	995
9	2390	1900	3160	3150	1580	2360	11500	8060	1760	1160	1580	869
10	2400	1950	2950	2860	1540	4190	17300	14100	1630	1310	1310	892
11	2340	1960	3060	3000	1520	5890	15600	18900	1760	1740	1050	780
12	2740	2020	3850	3530	1450	4980	10300	23300	3300	1450	994	779
13	2470	1760	3530	3250	1260	3920	7380	20900	3510	1220	1070	817
14	2600	1920	3220	e2400	1480	3270	6350	17100	2570	1040	869	1010
15	4260	2810	2920	e1680	1260	2820	6280	12900	2040	1130	1320	1130
16	4090	3390	2870	1820	1410	3030	8080	8780	1610	1180	1720	3230
17	3360	2910	3070	1970	1410	e3250	8780	6070	1630	1470	2090	3370
18	2970	2430	2990	e1900	1380	e3160	6660	5370	1510	1390	1890	2210
19	2810	2350	2000	e1900	1370	2810	5440	7470	1540	1240	1430	1820
20	2700	2250	1760	e1910	1290	2640	4910	6880	1300	1230	1210	1540
21	2550	3160	2590	1990	1370	2690	4920	5180	1220	1110	1230	1370
22	2420	5430	3530	e2050	1400	3080	6090	4420	1230	883	1160	1240
23	3040	4690	3110	e1850	1360	3900	7400	3940	1300	935	1010	1290
24	9160	3960	e2180	1740	1350	5080	10700	3730	1320	1130	1280	1150
25	9970	3330	e1730	1830	1570	6080	11600	4090	1260	968	1850	1500
26	7590	2960	1800	1810	1740	6780	9850	4650	1260	803	1420	1620
27	5300	5020	e2050	1810	1780	7480	7980	4880	1240	769	1120	1400
28	4300	10400	e2050	1820	2800	8870	7040	4320	1840	754	956	1160
29	3710	9110	1710	e1690	6550	13900	6170	3830	1760	847	912	1140
30	3310	5790	1760	e1700	---	13800	5740	3370	1420	1540	832	1120
31	3160	---	1910	1710	---	10600	---	3160	---	1430	813	---
TOTAL	113400	102450	89000	76190	50190	153630	276800	240190	55290	39209	37849	40945
MEAN	3658	3415	2871	2458	1731	4956	9227	7748	1843	1265	1221	1365
MAX	9970	10400	4240	5500	6550	13900	17500	23300	3510	2080	2090	3370
MIN	2340	1760	1710	1680	1260	2040	4910	3160	1220	754	754	755

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2000, BY WATER YEAR (WY)

MEAN	2195	2877	2503	2135	1822	2946	7778	5537	2478	1580	1414	1530
MAX	6129	7331	5786	4321	6093	12140	15380	11890	5915	5059	3662	7140
(WY)	1978	1928	1974	1996	1981	1936	1934	1972	1947	1996	1976	1954
MIN	654	1066	860	751	533	482	2631	1951	1030	654	406	654
(WY)	1949	1948	1948	1948	1940	1940	1995	1941	1988	1955	1942	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1927 - 2000	
ANNUAL TOTAL	1026702		1275143			
ANNUAL MEAN	2813		3484		2904	
HIGHEST ANNUAL MEAN					4203	1996
LOWEST ANNUAL MEAN					1934	1995
HIGHEST DAILY MEAN	15800	Sep 18	23300	May 12	46500	Mar 20 1936
LOWEST DAILY MEAN	389	Sep 3	a 754	Jul 28	115	Oct 3 1937
ANNUAL SEVEN-DAY MINIMUM	408	Sep 3	877	Sep 8	265	Sep 8 1957
INSTANTANEOUS PEAK FLOW			24100	May 12	48300	Mar 20 1936
INSTANTANEOUS PEAK STAGE			19.09	May 12	25.60	Mar 20 1936
10 PERCENT EXCEEDS	5080		7390		6080	
50 PERCENT EXCEEDS	2250		2340		1870	
90 PERCENT EXCEEDS	864		1130		819	

a Also occurred August 3.
e Estimated.

01133000 EAST BRANCH PASSUMPSIC RIVER NEAR EAST HAVEN, VT

LOCATION.--Lat 44°38'02", long 71°53'53", Caledonia County, Hydrologic Unit 01080102, on right bank in Burke, 0.5 mi upstream from Flower Brook, 2.1 mi south of East Haven, and 8.4 mi upstream from mouth.
DRAINAGE AREA.--53.8 mi^2.
PERIOD OF RECORD.--Discharge records: July 1939 to October 1945, October 1948 to September 1979, October 1997 to present. Prior to October 1951, published as Passumpsic River near East Haven.
Water-quality records: Water year 1957.
REVISED RECORDS.--WSP 1141: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 943.88 ft above sea level (levels by Corps of Engineers). Prior to October 1, 1973, at datum 2.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1100	941	5.41	Apr. 9	1115	1,000	5.52
Mar. 28	2115	1,120	5.77	May 9	2230	837	5.21
Apr. 4	1200	1,280	6.07	May 11	unknown	* 2,840	* 8.36

Minimum discharge, 27 ft^3/s, July 27-29, August 6.

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	138	77	95	e62	e41	151	216	205	105	65	38	30
2	84	73	94	e62	e40	102	282	263	99	55	37	111
3	71	81	99	e88	e39	80	425	214	93	53	35	133
4	83	68	113	e188	e40	70	958	196	88	69	42	98
5	92	62	120	425	e41	65	666	235	91	56	31	61
6	79	60	118	e175	e39	60	354	221	109	47	28	45
7	68	56	102	e140	e38	59	276	247	130	44	62	40
8	60	54	86	121	e37	62	347	216	100	44	129	38
9	65	52	79	108	e38	100	675	502	95	46	71	37
10	60	56	83	104	e37	175	396	e750	87	159	51	33
11	72	55	120	207	e41	118	282	e1200	170	90	47	32
12	63	48	92	160	e43	111	242	434	140	56	64	35
13	58	52	83	111	e41	93	206	317	107	45	41	69
14	136	81	79	e90	e48	80	226	352	92	42	40	46
15	110	117	78	e70	e49	82	381	253	88	45	82	250
16	86	84	93	e65	e50	93	455	214	83	40	134	210
17	78	69	90	e60	e50	86	314	193	80	39	91	106
18	75	63	63	e58	e54	76	254	325	76	40	59	134
19	63	63	66	e53	e59	78	247	345	70	39	46	95
20	76	74	e140	e49	e56	75	252	226	63	34	41	75
21	91	187	e142	e48	e55	80	380	189	61	33	38	71
22	75	124	103	e46	e55	104	455	173	73	43	33	61
23	269	103	e93	e46	e53	144	409	160	82	45	43	53
24	327	90	e86	e47	e58	198	424	195	60	36	124	84
25	176	78	e80	e44	e63	204	365	197	56	33	61	72
26	128	113	e75	e42	e58	227	310	205	55	29	46	57
27	107	557	e70	e41	e85	234	261	197	79	28	40	51
28	90	283	e66	e40	e290	566	230	160	78	28	37	55
29	84	171	e66	e40	227	563	218	140	63	52	32	47
30	77	124	e64	e39	---	304	224	124	69	58	32	45
31	77	---	e63	e41	---	222	---	113	---	45	31	---
TOTAL	3118	3175	2801	2870	1825	4662	10730	8761	2642	1538	1686	2274
MEAN	101	106	90.4	92.6	62.9	150	358	283	88.1	49.6	54.4	75.8
MAX	327	557	142	425	290	566	958	1200	170	159	134	250
MIN	58	48	63	39	37	59	206	113	55	28	28	30
CFSM	1.87	1.97	1.68	1.72	1.17	2.80	6.65	5.25	1.64	.92	1.01	1.41
IN.	2.16	2.20	1.94	1.98	1.26	3.22	7.42	6.06	1.83	1.06	1.17	1.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	83.1	101	84.0	64.9	53.1	96.0	287	214	106	67.9	56.4	62.0
MAX	218	232	250	148	114	244	469	423	319	241	121	177
(WY)	1946	1960	1974	1978	1976	1953	1954	1972	1973	1973	1962	1954
MIN	24.4	39.3	41.0	21.4	16.9	20.5	154	76.1	48.9	31.7	19.8	28.3
(WY)	1949	1979	1956	1940	1940	1940	1972	1998	1953	1955	1999	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	34195		46082			
ANNUAL MEAN	93.7		126		106	
HIGHEST ANNUAL MEAN					166	1973
LOWEST ANNUAL MEAN					76.0	1941
HIGHEST DAILY MEAN	1310	Sep 17	e 1200	May 11	2000	Jul 1 1973
LOWEST DAILY MEAN	12	Sep 1	a 28	Jul 27	12	Sep 1 1999
ANNUAL SEVEN-DAY MINIMUM	12	Aug 31	35	Jul 22	12	Aug 31 1999
INSTANTANEOUS PEAK FLOW			b 2840	May 11	b 4450	Jun 30 1973
INSTANTANEOUS PEAK STAGE			c 8.36	May 11	11.45	Jun 30 1973
INSTANTANEOUS LOW FLOW			d 27	Jul 27	11	Sep 4 1999
ANNUAL RUNOFF (CFSM)	1.74		2.34		1.97	
ANNUAL RUNOFF (INCHES)	23.64		31.86		26.80	
10 PERCENT EXCEEDS	183		265		230	
50 PERCENT EXCEEDS	73		79		64	
90 PERCENT EXCEEDS	21		40		31	

a Also occurred on July 28, August 6.
b From rating curve extended above 1,300 ft^3/s on basis of slope area measurement of peak flow.
c From crest-stage gage.
d Also occurred July 28,29, August 6.
e Estimated.

01134500 MOOSE RIVER AT VICTORY, VT

LOCATION.--Lat 44°30'42", long 71°50'13", Essex County, Hydrologic Unit 01080102, on right bank, 0.5 mi northeast of Victory, 0.8 mi downstream from Cold Brook, 1.1 mi upstream from Stanley Brook, 3.1 mi north of North Concord, and 5.1 mi southwest of Gallup Mills.
DRAINAGE AREA.--75.2 mi^2.
PERIOD OF RECORD.--Discharge records: January 1947 to current year.
Water-quality records: Water year 1957, 1995.
REVISED RECORDS.--WSP 1381: Drainage area. WDR NH-VT-96-1: 1973(M), 1995(M).
GAGE.--Water-stage recorder. Datum of gage is 1,103.99 ft above sea level (levels by U.S. Army Corps of Engineers).
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 28	0415	1,010	7.44	Apr. 10	0015	1,750	8.78
Mar. 29	1115	1,380	8.19	May 11	1045	* 2,110	* 9.29
Apr. 4	2145	1,960	9.09				

Minimum discharge, 7.5 ft^3/s, July 27, 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	260	97	144	e76	e53	463	306	242	103	47	36	18
2	122	89	135	e71	e51	312	418	334	92	31	27	30
3	86	95	125	e82	e49	200	688	285	88	24	47	138
4	87	87	139	e126	e47	144	1230	233	76	30	151	92
5	127	76	153	437	e45	116	1580	297	85	31	55	70
6	112	70	152	395	e44	101	830	275	82	23	33	42
7	92	65	133	210	e43	89	480	296	149	19	29	31
8	72	61	114	152	e43	92	402	264	105	17	174	25
9	74	57	99	121	e42	126	932	430	89	16	108	22
10	77	59	93	113	e42	308	1300	1150	79	39	100	19
11	85	62	147	136	e41	309	673	1680	136	54	55	16
12	81	51	123	160	e40	205	434	1000	186	28	118	17
13	65	57	104	112	e40	183	321	539	124	19	61	46
14	132	70	96	e72	e40	140	293	514	100	16	42	46
15	200	163	90	e67	e39	135	354	411	88	19	143	122
16	133	117	94	e65	e39	159	566	276	75	19	152	404
17	104	91	105	e64	e38	167	475	228	64	23	174	157
18	105	80	77	e63	e37	138	309	258	64	21	97	120
19	91	77	66	e61	e36	128	273	522	59	26	61	93
20	90	86	56	e59	e37	124	256	320	47	21	51	68
21	135	293	130	e58	e36	132	327	226	41	15	47	56
22	103	270	125	e56	e36	171	522	202	40	14	37	61
23	254	185	89	e55	e35	244	590	182	44	15	31	46
24	669	146	78	e52	e38	388	728	223	35	14	125	85
25	514	123	e76	e50	e45	454	619	274	30	13	77	103
26	237	146	e73	e51	e53	459	457	313	33	11	45	65
27	177	512	e72	e51	e71	495	353	257	33	7.9	33	50
28	139	853	e72	e49	225	576	325	203	45	11	30	49
29	121	389	e72	e48	531	1130	283	163	31	51	25	45
30	104	210	e73	e47	---	718	288	136	29	76	22	40
31	97	---	e82	e50	---	408	---	118	---	59	20	---
TOTAL	4745	4737	3187	3209	1916	8814	16612	11851	2252	809.9	2206	2176
MEAN	153	158	103	104	66.1	284	554	382	75.1	26.1	71.2	72.5
MAX	669	853	153	437	531	1130	1580	1680	186	76	174	404
MIN	65	51	56	47	35	89	256	118	29	7.9	20	16
CFSM	2.04	2.10	1.37	1.38	.88	3.78	7.36	5.08	1.00	.35	.95	.96
IN.	2.35	2.34	1.58	1.59	.95	4.36	8.22	5.86	1.11	.40	1.09	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2000, BY WATER YEAR (WY)

MEAN	110	147	117	82.1	73.6	166	490	271	114	70.0	66.1	66.0
MAX	353	376	386	210	429	468	806	674	299	236	242	323
(WY)	1991	1960	1974	1998	1981	1953	1954	1972	1973	1973	1995	1954
MIN	14.1	35.9	21.8	12.7	15.7	32.9	172	72.3	31.1	10.8	10.2	8.34
(WY)	1948	1948	1948	1948	1980	1956	1995	1999	1988	1991	1952	1948

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1947 - 2000	
ANNUAL TOTAL	42385.2		62514.9			
ANNUAL MEAN	116		171		147	
HIGHEST ANNUAL MEAN					205	1974
LOWEST ANNUAL MEAN					102	1975
HIGHEST DAILY MEAN	1150	Sep 18	1680	May 11	4100	Mar 31 1987
LOWEST DAILY MEAN	3.0	Sep 5	7.9	Jul 27	2.6	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 2	12	Jul 22	3.6	Jul 29 1991
INSTANTANEOUS PEAK FLOW			2110	May 11	4940	Jul 1 1973
INSTANTANEOUS PEAK STAGE			9.29	May 11	12.04	Jul 1 1973
INSTANTANEOUS LOW FLOW			a 7.5	Jul 27	2.2	Aug 4 1991
ANNUAL RUNOFF (CFSM)	1.54		2.27		1.96	
ANNUAL RUNOFF (INCHES)	20.97		30.92		26.60	
10 PERCENT EXCEEDS	257		422		350	
50 PERCENT EXCEEDS	76		91		73	
90 PERCENT EXCEEDS	17		30		21	

a Also occurred on July 28.
e Estimated.

01135150 POPE BROOK (SITE W-3) NEAR NORTH DANVILLE, VT

LOCATION.--Lat 44°28'35", long 72°07'33", Caledonia County, Hydrologic Unit 01080102, on left bank, 0.3 mi north of Pope Cemetery, 1.1 mi upstream of North Brook, and 1.7 mi northwest of North Danville.
DRAINAGE AREA.--3.25 mi^2.
PERIOD OF RECORD.--Discharge records: December 1990 to current year.
GAGE.--Water-stage recorder. Datum of gage is 1,141.20 ft above sea level.
REMARKS.--Records good except those for estimated discharges, which are fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 1960-1990, 380 ft^3/s, June 30, 1973, gage height, 3.4 ft (data provided by USACOE-CRREL).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 70 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 23	1300	70	1.89	Apr. 4	0735	109	2.21
Nov. 11	0650	76	1.94	May 9	1545	107	2.20
Mar. 28	1820	88	2.05	May 10	2210	* 187	* 2.68

Minimum discharge, 1.0 ft^3/s, September 9-11.

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	4.6	4.4	5.9	2.8	2.5	4.9	21	14	6.8	2.1	1.6	1.2
2	3.1	4.3	5.8	e2.9	2.5	4.6	31	15	6.5	1.8	1.6	1.4
3	3.1	6.7	5.9	e3.2	2.5	4.3	34	11	5.9	2.0	5.4	1.5
4	5.5	4.7	8.1	e9.6	2.4	3.9	69	9.8	5.8	2.1	2.9	1.7
5	4.9	4.1	6.8	8.6	e2.3	3.8	40	14	5.5	1.8	1.6	1.3
6	4.0	3.9	6.4	5.3	2.3	3.6	25	10	8.6	1.7	1.4	1.2
7	3.4	3.7	5.8	4.7	2.2	3.6	25	9.1	7.7	1.8	3.1	1.2
8	3.0	3.5	5.3	4.0	e2.2	4.2	29	8.7	6.0	1.8	2.8	1.1
9	3.5	3.5	5.1	3.7	2.3	7.1	39	41	6.3	1.8	3.1	1.1
10	3.0	3.6	5.6	3.9	2.2	9.2	23	50	5.3	2.0	1.9	1.1
11	3.5	3.4	6.5	6.3	2.3	6.0	19	40	8.8	1.6	1.8	1.1
12	2.9	3.1	5.3	4.8	2.2	8.0	18	20	6.6	1.5	1.9	1.2
13	2.8	3.6	5.0	3.9	e2.2	5.6	16	19	5.6	1.4	1.5	1.8
14	7.4	4.7	4.9	e3.6	e2.2	6.0	19	21	5.1	1.5	2.6	1.2
15	4.6	4.8	4.9	e3.4	2.3	5.8	30	15	4.8	1.5	2.6	9.5
16	3.7	3.9	6.2	e3.2	2.3	7.1	25	13	4.3	1.8	10	3.3
17	3.8	3.4	5.4	e3.0	e2.2	5.9	18	12	3.9	1.7	3.0	2.1
18	3.7	3.4	4.0	e2.9	e2.2	6.0	16	26	3.7	1.7	2.2	1.7
19	3.1	3.8	4.0	e2.8	2.2	5.4	15	16	3.5	1.5	1.8	1.5
20	4.3	5.1	5.5	2.8	2.2	5.3	16	12	3.1	1.3	1.9	1.4
21	3.8	9.0	11	2.8	2.1	5.9	34	11	3.0	1.4	1.6	1.5
22	3.3	5.2	4.7	2.6	2.1	7.4	37	10	3.0	1.6	1.4	1.3
23	27	4.6	4.0	2.4	2.2	11	34	9.8	2.8	1.5	2.4	1.5
24	11	4.3	3.4	2.5	2.6	14	28	28	2.5	1.3	2.7	2.0
25	7.0	3.9	e3.4	2.6	4.2	13	21	17	3.3	1.2	1.7	1.6
26	6.1	9.2	e3.2	2.7	3.6	16	17	14	3.1	1.2	1.4	1.4
27	5.4	31	e3.1	2.6	4.6	17	17	11	2.6	1.2	1.4	1.4
28	5.0	9.6	e3.0	2.5	13	42	16	10	2.2	5.1	1.4	1.4
29	4.8	7.5	e2.9	2.4	7.0	27	15	9.0	2.1	3.0	1.3	1.3
30	4.5	6.6	e2.9	2.4	---	19	13	8.2	2.4	1.8	1.3	1.3
31	4.5	---	2.8	2.5	---	17	---	7.5	---	1.6	1.2	---
TOTAL	160.3	172.5	156.8	113.4	87.1	299.6	760	512.1	140.8	55.3	72.5	52.3
MEAN	5.17	5.75	5.06	3.66	3.00	9.66	25.3	16.5	4.69	1.78	2.34	1.74
MAX	27	31	11	9.6	13	42	69	50	8.8	5.1	10	9.5
MIN	2.8	3.1	2.8	2.4	2.1	3.6	13	7.5	2.1	1.2	1.2	1.1
CFSM	1.59	1.77	1.56	1.13	.92	2.97	7.79	5.08	1.44	.55	.72	.54
IN.	1.83	1.97	1.79	1.30	1.00	3.43	8.70	5.86	1.61	.63	.83	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	4.04	5.68	4.86	5.10	3.69	6.53	19.0	9.10	4.32	3.29	3.08	2.72
MAX	6.54	11.4	9.22	9.04	8.16	10.9	25.4	16.5	9.48	7.79	6.00	4.90
(WY)	1996	1996	1997	1996	1996	1998	1994	2000	1998	1998	1997	1999
MIN	2.20	2.79	3.24	2.50	1.98	2.66	6.87	4.51	1.84	1.40	1.22	1.61
(WY)	1995	1995	1998	1994	1993	1994	1995	1998	1995	1991	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	1881.48		2582.7			
ANNUAL MEAN	5.15		7.06		6.03	
HIGHEST ANNUAL MEAN					8.44	1996
LOWEST ANNUAL MEAN					3.93	1995
HIGHEST DAILY MEAN	53	Sep 17	69	Apr 4	85	Apr 17 1993
LOWEST DAILY MEAN	.73	Sep 5	a 1.1	Sep 8	.73	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	.77	Aug 30	1.1	Sep 6	.77	Aug 30 1999
INSTANTANEOUS PEAK FLOW			b 187	May 10	b 249	Jul 15 1997
INSTANTANEOUS PEAK STAGE			2.68	May 10	2.96	Jul 15 1997
INSTANTANEOUS LOW FLOW			c 1.0	Sep 9	d .69	Sep 2 1999
ANNUAL RUNOFF (CFSM)	1.59		2.17		1.86	
ANNUAL RUNOFF (INCHES)	21.54		29.56		25.22	
10 PERCENT EXCEEDS	9.7		17		12	
50 PERCENT EXCEEDS	3.6		3.8		3.6	
90 PERCENT EXCEEDS	1.2		1.5		1.5	

a Also occurred on September 9-11.
b From rating curve extended above 84 ft^3/s on basis of theoretical weir formula.
c Also occurred on September 10, 11.
d Also occurred on Sptember 3-5.
e Estimated.

01135300 SLEEPERS RIVER (SITE W-5) NEAR ST. JOHNSBURY, VT

LOCATION.--Lat 44°26'04", long 72°02'22", Caledonia County, Hydrologic Unit 01080102, on left bank, just upstream of Emerson Falls, 1.5 mi northwest of Post Office in St. Johnsbury, and 2.6 mi above mouth.
DRAINAGE AREA.--42.9 mi^2.
PERIOD OF RECORD.--Discharge Records: October 1990 to current year.
Water-quality records: Water year 1992 to 1995.
GAGE.--Water-stage recorder. Datum of gage is 641.68 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 603 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 23	1515	740	2.80	Apr. 22	1515	701	2.74
Nov. 27	0900	872	2.99	May 9	1630	1,320	3.53
Mar. 28	1915	843	2.95	May 10	2330	* 2,700	* 4.70
Apr. 2	2130	626	2.62	May 18	1800	663	2.68
Apr. 4	0830	1,450	3.66	May 24	1130	669	2.69
Apr. 9	1115	843	2.95				

Minimum discharge, 5.8 ft^3/s, July 27.

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	72	43	54	e22	e25	103	205	127	68	20	14	8.7
2	37	40	49	e24	24	76	302	177	65	16	14	9.5
3	31	73	67	e38	e24	69	375	122	59	14	56	18
4	55	52	88	e100	e23	59	807	108	59	20	56	18
5	67	42	79	e150	e23	55	393	154	59	17	19	14
6	45	39	73	e62	e22	51	239	118	81	13	14	10
7	37	36	64	58	e22	50	241	111	110	12	29	9.2
8	30	35	55	48	e20	64	278	105	66	13	63	8.5
9	35	33	51	43	e21	130	483	603	74	12	47	8.0
10	31	35	53	42	21	193	266	561	60	19	29	7.3
11	34	35	79	91	22	88	214	622	89	16	19	6.9
12	29	29	58	81	e22	116	200	224	80	11	29	7.5
13	25	34	54	51	e21	89	178	195	62	9.5	17	14
14	90	48	52	e38	e23	66	189	283	55	13	23	11
15	63	66	53	e35	e23	77	283	167	50	13	52	105
16	43	46	71	e34	e22	104	268	145	45	13	119	73
17	38	e38	67	e32	e22	85	187	132	40	14	51	32
18	42	37	44	e30	e21	65	164	304	36	14	29	22
19	33	37	22	e28	e21	67	161	216	34	12	21	17
20	42	48	e34	e26	e22	69	164	146	28	9.5	17	15
21	51	100	e90	e26	e22	79	373	130	26	8.5	15	14
22	37	61	61	e25	23	110	455	122	27	10	13	12
23	298	49	48	e25	23	158	351	114	24	11	15	11
24	163	44	41	e24	27	201	317	324	21	8.9	42	18
25	85	40	e36	24	e40	174	216	188	23	7.6	20	18
26	65	97	e30	25	e44	212	179	157	35	6.5	14	14
27	55	416	e28	e24	e66	213	181	124	24	6.2	12	12
28	48	136	e26	e24	e260	459	161	106	21	15	12	12
29	46	90	e23	e23	245	319	145	93	17	89	11	11
30	42	74	e23	e23	---	207	134	83	23	32	10	11
31	42	---	e22	e24	---	183	---	75	---	17	9.5	---
TOTAL	1811	1953	1595	1300	1194	3991	8109	6136	1461	492.7	891.5	547.6
MEAN	58.4	65.1	51.5	41.9	41.2	129	270	198	48.7	15.9	28.8	18.3
MAX	298	416	90	150	260	459	807	622	110	89	119	105
MIN	25	29	22	22	20	50	134	75	17	6.2	9.5	6.9
CFSM	1.36	1.52	1.20	.98	.96	3.00	6.30	4.61	1.13	.37	.67	.43
IN.	1.57	1.69	1.38	1.13	1.03	3.46	7.03	5.32	1.27	.43	.77	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	54.6	73.4	57.5	58.2	43.6	98.1	209	104	51.9	36.8	43.5	31.8
MAX	128	124	143	108	93.3	168	302	198	100	84.2	97.9	66.4
(WY)	1991	1991	1991	1996	1996	1990	1994	2000	1998	1998	1998	1989
MIN	11.2	31.6	24.9	19.2	19.8	39.1	75.2	48.8	14.9	8.47	6.37	12.4
(WY)	1989	1995	1989	1989	1993	1994	1995	1998	1995	1991	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	21813.3		29481.8			
ANNUAL MEAN	59.8		80.6		71.9	
HIGHEST ANNUAL MEAN					93.8	1990
LOWEST ANNUAL MEAN					42.8	1995
HIGHEST DAILY MEAN	823	Sep 17	807	Apr 4	1380	Aug 12 1998
LOWEST DAILY MEAN	2.2	Sep 2	6.2	Jul 27	2.2	Sep 2 1999
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 1	8.2	Sep 6	2.4	Sep 1 1999
INSTANTANEOUS PEAK FLOW			a 2700	May 10	a 7570	Aug 12 1998
INSTANTANEOUS PEAK STAGE			4.70	May 10	7.11	Aug 12 1998
INSTANTANEOUS LOW FLOW			5.8	Jul 27	1.9	Sep 2 1999
ANNUAL RUNOFF (CFSM)	1.39		1.88		1.68	
ANNUAL RUNOFF (INCHES)	18.91		25.55		22.77	
10 PERCENT EXCEEDS	128		200		160	
50 PERCENT EXCEEDS	42		42		42	
90 PERCENT EXCEEDS	6.0		13		13	

a From rating curve extended above 560 ft^3/s on basis of theoretical weir formula.
e Estimated.

01135500 PASSUMPSIC RIVER AT PASSUMPSIC, VT

LOCATION.--Lat 44°21'56", long 72°02'23", Caledonia County, Hydrologic Unit 01080102, on right bank, 0.7 mi upstream from Water Andric, l mi downstream from dam and village of Passumpsic, and 4 mi upstream from mouth.
DRAINAGE AREA.--436 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year. Monthly discharge only October 1928, published in WSP 1301.
Water-quality records: Water years 1953, 1967-74 (partial-record station), 1994.
REVISED RECORDS.--WSP 781: 1933(M). WSP 871: Drainage area. WSP 1231: 1929, 1930-31(M).
GAGE.--Water-stage recorder. Elevation of gage is 490 ft above sea level, from topographic map.
REMARKS.--Records good except for those estimated daily discharges, which are fair. Low flow regulated by powerplants upstream.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1780, about 31.5 ft in November 1927, from information by local residents (discharge not determined).
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 4	2230	7,320	11.83	May 11	0945	* 9,600	* 14.35
Apr. 9	1500	5,400	9.67				

Minimum daily discharge, 152 ft^3/s, July 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	1150	482	666	e300	e360	2100	1590	1340	741	350	281	174
2	653	463	797	e320	e370	1590	2070	1660	676	307	255	179
3	459	527	690	e390	e350	1200	3100	1450	634	248	284	641
4	464	514	740	e750	e360	895	5710	1230	603	321	490	450
5	710	437	772	e1700	e360	754	6230	1400	642	306	326	394
6	571	415	760	1200	e350	683	3320	1360	630	230	230	284
7	504	383	698	893	e350	655	2350	1310	1050	219	219	226
8	396	368	607	665	e340	698	2250	1250	766	201	744	212
9	382	351	546	562	e360	1230	4250	e3000	692	218	574	182
10	408	339	509	546	e370	2450	4200	e4300	616	251	470	178
11	389	361	694	810	e380	1450	2730	8080	745	483	339	167
12	421	333	640	979	e380	1200	2160	4200	1060	267	e450	165
13	346	336	566	603	e380	1160	1710	2510	774	228	e300	212
14	567	380	521	e380	e400	894	1650	2820	640	218	246	280
15	944	697	503	e350	e440	840	2140	2070	586	209	538	623
16	637	591	542	e350	e460	941	3090	1610	529	195	767	1630
17	516	449	629	e360	e460	890	2330	1400	471	215	915	766
18	509	404	463	e370	e470	745	1720	1740	467	221	530	514
19	454	399	342	e370	e480	747	1590	2740	427	227	351	482
20	433	433	387	e365	e500	702	1540	1750	385	195	310	361
21	593	821	658	e360	e475	749	2290	1380	337	185	286	305
22	513	914	776	e360	e460	943	3750	1250	345	198	243	336
23	1300	674	776	e350	e470	1270	3430	1160	423	235	229	279
24	2400	582	e540	e355	e490	1690	3510	1690	359	214	543	318
25	1520	518	e450	e360	e590	1800	2890	1730	312	179	454	478
26	998	586	e330	e360	e700	1860	2220	1660	346	168	308	350
27	778	2690	e320	e370	e820	1980	1890	1400	313	157	245	274
28	656	2550	e290	e375	2620	2940	1700	1200	445	152	213	267
29	586	1410	e280	e360	3160	4480	1520	1030	330	358	208	277
30	529	972	e280	e350	---	2780	1470	902	314	703	193	261
31	495	---	e290	e360	---	1880	---	805	---	370	185	---
TOTAL	21281	20379	17062	16223	17705	44196	80400	61427	16658	8028	11726	11265
MEAN	686	679	550	523	611	1426	2680	1982	555	259	378	376
MAX	2400	2690	797	1700	3160	4480	6230	8080	1060	703	915	1630
MIN	346	333	280	300	340	655	1470	805	312	152	185	165
CFSM	1.57	1.56	1.26	1.20	1.40	3.27	6.15	4.54	1.27	.59	.87	.86
IN.	1.82	1.74	1.46	1.38	1.51	3.77	6.86	5.24	1.42	.68	1.00	.96

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

MEAN	528	705	601	497	427	942	2262	1347	641	405	342	352
MAX	1522	1667	1919	1255	2280	4013	3931	3082	1846	1519	963	1126
(WY)	1946	1960	1974	1978	1981	1936	1934	1972	1973	1973	1990	1954
MIN	132	253	169	128	123	161	806	517	225	138	122	98.8
(WY)	1948	1948	1948	1948	1980	1940	1995	1941	1988	1955	1934	1948

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	242272		326350			
ANNUAL MEAN	664		892		753	
HIGHEST ANNUAL MEAN					1153	1974
LOWEST ANNUAL MEAN					472	1965
HIGHEST DAILY MEAN	4630	Sep 17	8080	May 11	15400	Mar 18 1936
LOWEST DAILY MEAN	63	Sep 7	152	Jul 28	13	Sep 12 1948
ANNUAL SEVEN-DAY MINIMUM	66	Sep 3	186	Jul 22	66	Sep 3 1999
INSTANTANEOUS PEAK FLOW			9600	May 11	18200	Jul 1 1973
INSTANTANEOUS PEAK STAGE			14.35	May 11	23.49	Jul 1 1973
ANNUAL RUNOFF (CFSM)	1.52		2.05		1.73	
ANNUAL RUNOFF (INCHES)	20.67		27.84		23.48	
10 PERCENT EXCEEDS	1320		2080		1690	
50 PERCENT EXCEEDS	503		517		430	
90 PERCENT EXCEEDS	127		241		168	

e Estimated.

01137500 AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH

LOCATION.--Lat 44°16'08", long 71°37'52", Grafton County, Hydrologic Unit 01080101, on left bank, 0.2 mi upstream from Pierce Bridge and Bethlehem Junction, 0.8 mi upstream from unnamed tributary entering from left, 3 mi east of Bethlehem, 3.4 mi downstream from Little River, and at mile 35.0.
DRAINAGE AREA.--87.6 mi^2.
PERIOD OF RECORD.-- Discharge records: August 1939 to current year.
Water-quality records: Water years 1967-74, 1992-95.
REVISED RECORDS.--WSP 1701: 1951(M), 1953-54(M).
GAGE.--Water-stage recorder. Datum of gage is 1,180.74 ft above sea level (levels by U.S. Army Corps of Engineers).
REMARKS.--Records good except those for periods of estimated daily discharges, which are fair, and those for January 3 and February 28, which are poor.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1630	4,070	7.69	May 10	0030	2,940	6.74
Apr. 4	1145	2,780	6.60	May 14	0230	3,150	6.93
Apr. 9	1415	* 6,200	* 9.26				

Minimum discharge, 42 ft^3/s, September 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	451	176	217	e86	e75	245	317	273	153	93	60	46
2	246	165	189	e88	e74	202	400	365	145	72	56	74
3	203	1140	211	e150	e73	165	950	314	139	66	60	104
4	196	475	209	e240	72	140	1910	305	127	77	100	76
5	197	313	208	e418	e71	125	1240	612	128	111	63	63
6	173	263	205	174	e70	116	583	559	124	76	54	54
7	155	231	207	179	e68	108	426	691	184	66	52	50
8	143	206	192	136	67	118	504	686	144	62	53	47
9	149	190	167	133	67	212	3060	1440	133	60	52	45
10	142	190	161	134	67	590	1160	1420	129	65	54	44
11	153	198	203	221	66	275	611	1190	136	61	59	42
12	140	164	167	168	65	215	470	815	160	56	77	44
13	126	160	154	112	61	172	367	606	137	52	53	51
14	321	171	146	e82	65	148	328	1690	127	50	56	48
15	289	241	139	e80	e82	153	382	653	115	57	138	301
16	246	182	145	e88	e70	239	553	453	108	157	93	297
17	240	155	145	e80	e63	230	399	365	112	173	91	145
18	220	143	116	e79	e62	158	310	400	118	103	81	102
19	199	142	76	e78	e61	155	275	560	113	95	67	85
20	179	165	e108	e77	e60	148	265	348	97	82	61	81
21	177	391	e295	e76	59	153	282	292	88	73	59	74
22	160	254	193	e75	57	178	295	267	86	70	56	70
23	862	224	129	e74	58	217	439	244	82	72	53	64
24	723	206	110	e74	e65	269	659	284	76	68	62	70
25	410	191	84	e73	e85	272	446	290	75	63	58	77
26	300	197	e95	e73	e100	505	390	308	101	58	52	65
27	262	1040	e100	e72	e94	399	332	254	86	55	50	61
28	228	579	e93	e72	e700	1990	305	227	81	56	50	58
29	207	346	e90	e72	487	1280	281	204	69	71	48	56
30	189	272	e87	e72	---	550	325	185	92	88	47	54
31	181	---	e86	e75	---	386	---	168	---	67	46	---
TOTAL	7867	8770	4727	3611	3064	10113	18264	16468	3465	2375	1961	2448
MEAN	254	292	152	116	106	326	609	531	116	76.6	63.3	81.6
MAX	862	1140	295	418	700	1990	3060	1690	184	173	138	301
MIN	126	142	76	72	57	108	265	168	69	50	46	42
CFSM	2.90	3.34	1.74	1.33	1.21	3.72	6.95	6.06	1.32	.87	.72	.93
IN.	3.34	3.72	2.01	1.53	1.30	4.29	7.76	6.99	1.47	1.01	.83	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	158	221	166	122	107	192	512	512	203	107	93.9	100
MAX	416	524	590	438	712	691	896	1054	462	308	273	550
(WY)	1978	1960	1974	1996	1981	1953	1969	1940	1973	1996	1990	1954
MIN	34.1	59.0	44.9	30.9	31.9	47.3	176	221	91.5	39.0	34.0	32.5
(WY)	1948	1979	1948	1948	1980	1940	1995	1993	1953	1991	1961	1948

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	87005		83133			
ANNUAL MEAN	238		227		208	
HIGHEST ANNUAL MEAN					323	1996
LOWEST ANNUAL MEAN					131	1995
HIGHEST DAILY MEAN	4250	Sep 17	3060	Apr 9	6300	Mar 27 1953
LOWEST DAILY MEAN	34	Sep 6	42	Sep 11	21	Sep 1 1968
ANNUAL SEVEN-DAY MINIMUM	36	Sep 2	46	Sep 8	24	Sep 8 1961
INSTANTANEOUS PEAK FLOW			6200	Apr 9	a 11300	Nov 12 1995
INSTANTANEOUS PEAK STAGE			9.26	Apr 9	b 12.34	Nov 12 1995
INSTANTANEOUS LOW FLOW			42	Sep 11	16	Nov 14 1952
ANNUAL RUNOFF (CFSM)	2.72		2.59		2.38	
ANNUAL RUNOFF (INCHES)	36.95		35.30		32.27	
10 PERCENT EXCEEDS	485		458		461	
50 PERCENT EXCEEDS	161		141		108	
90 PERCENT EXCEEDS	64		58		46	

a From rating curve extended above 4,100 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks in well.
e Estimated.

01138500 CONNECTICUT RIVER AT WELLS RIVER, VT

LOCATION.--Lat 44°09'13", long 72°02'34", Orange County, Hydrologic Unit 0l080l0l, on right bank, at village of Wells River, 200 ft downstream from bridge on U.S. Highway 302, 400 ft upstream from Wells River, l,200 ft downstream from Ammonoosuc River, and at mile 266.0.
DRAINAGE AREA.--2,644 mi^2.
PERIOD OF RECORD.--Discharge records: October l949 to current year. October and November l949 monthly discharge only, published in WSP l30l.
Water-quality records: 1952, 1957, 1979 to 1986.
REVISED RECORDS.--WDR NH-VT-93-1: 1992.
GAGE.--Water-stage recorder. Datum of gage is 399.75 ft above sea level.
REMARKS.--Records good. Flow regulated by powerplants, by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, and other reservoirs. These reservoirs have a combined capacity of about l4.8 billion ft^3.
EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 57,100 ft^3/s, July 1, 1973, gage height, 17.35 ft, from peak-stage indicator; minimum daily discharge 152 ft^3/s, August 28, 1960.
EXTREMES FOR CURRENT YEAR--Maximum discharge, 39,000 ft^3/s, April 9, gage height, 12.42 ft; minimum daily discharge, 788 ft^3/s, September 30.

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	5440	5650	7740	1200	3180	4600	13200	9960	5580	1130	1660	4710
2	2880	4700	6300	2200	2660	7600	10100	7550	5590	1010	2330	1170
3	1900	7070	5670	2480	2520	7590	15500	8880	3930	939	3360	911
4	5860	4860	4130	5580	1770	7120	25200	7500	3080	961	2030	987
5	5780	5130	6470	8300	1190	4630	28200	8830	4950	2180	977	2200
6	3710	2640	6350	6280	1180	4920	24800	8630	4800	2650	866	1980
7	5040	4530	7030	5780	2580	3070	20100	9660	4730	3720	4150	1430
8	2890	5300	6550	5220	4200	5240	15300	11300	3170	1930	4340	1210
9	3100	6420	6360	5150	3700	6780	26800	11800	5890	932	4430	1820
10	2090	3930	6090	6050	2820	10600	26400	22200	2890	3450	4480	918
11	4480	3540	5320	6280	4090	12000	22000	32300	2720	2820	1990	1660
12	4370	4210	4770	5900	2360	8200	17100	31700	2950	1740	1100	2130
13	5540	2210	4470	5060	1900	8020	14000	28500	5060	3650	996	2160
14	5370	1940	4270	5850	2940	7630	13500	27300	5360	3430	1020	2510
15	5790	4530	5690	6390	1450	7370	13000	22400	5390	840	1130	1670
16	4420	5460	5070	4540	1440	8030	11800	15100	4070	1050	2480	3610
17	7240	5910	6470	5350	1560	8020	14300	12700	2690	1440	3200	2970
18	6900	5180	5210	7870	3550	7340	13500	12000	1140	1190	2390	4740
19	6590	6260	3580	7830	1870	6890	13000	14700	3870	1920	1510	4780
20	4790	3030	4720	5710	1440	6610	12600	12700	3290	1790	1190	5190
21	4500	2210	4620	5290	1810	7280	12500	12100	1080	1900	1990	2490
22	4220	6600	5170	6630	1480	7390	14500	7980	2660	1090	2380	1790
23	5210	6790	4830	4900	2050	7900	15600	6830	3460	936	3090	918
24	11900	6120	4280	3320	3300	8420	16200	5740	1060	1120	2130	2030
25	13500	6440	5310	5500	3000	8470	16200	6800	1510	2730	2970	2360
26	11800	5960	4610	5190	4550	9530	14600	7140	4180	2170	3200	3380
27	8360	9170	3850	5590	2240	9710	13700	7140	7250	870	2840	3370
28	6700	15800	3430	8370	7790	16200	12800	7560	3230	795	2470	2550
29	6740	13200	4350	8000	7920	23300	10900	7030	1440	914	940	1660
30	4350	12300	2970	1590	---	19800	9520	7070	1030	2850	940	788
31	5280	---	1710	2480	---	15900	---	6360	---	3500	2960	---
TOTAL	176740	177090	157390	165880	82540	276160	486920	397460	108050	57647	71539	70092
MEAN	5701	5903	5077	5351	2846	8908	16230	12820	3602	1860	2308	2336
MAX	13500	15800	7740	8370	7920	23300	28200	32300	7250	3720	4480	5190
MIN	1900	1940	1710	1200	1180	3070	9520	5740	1030	795	866	788

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

MEAN	3774	4827	4663	3824	3831	5959	12650	8427	4374	2858	2533	2555
MAX	9801	9815	11320	7717	10050	13420	20110	17120	10320	8566	6709	10810
(WY)	1978	1960	1974	1996	1981	1979	1954	1972	1984	1996	1990	1954
MIN	1226	2008	1445	1632	1824	2492	3634	3479	1906	1206	1013	883
(WY)	1964	1979	1979	1981	1980	1962	1995	1987	1988	1991	1970	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	1805155		2227508			
ANNUAL MEAN	4946		6086		5028	
HIGHEST ANNUAL MEAN					7355	1996
LOWEST ANNUAL MEAN					3211	1965
HIGHEST DAILY MEAN	20100	Sep 17	32300	May 11	50600	Mar 27 1953
LOWEST DAILY MEAN	648	Sep 6	788	Sep 30	152	Aug 28 1960
ANNUAL SEVEN-DAY MINIMUM	918	Aug 3	1240	Jun 29	522	Aug 1 1955
INSTANTANEOUS PEAK FLOW			39000	Apr 9	57100	Jul 1 1973
INSTANTANEOUS PEAK STAGE			12.42	Apr 9	a 17.35	Jul 1 1973
10 PERCENT EXCEEDS	8770		13100		10400	
50 PERCENT EXCEEDS	4500		4740		3600	
90 PERCENT EXCEEDS	1100		1210		1290	

a From peak stage indicator.

01139000 WELLS RIVER AT WELLS RIVER, VT

LOCATION.--Lat 44°09'03", long 72°03'55", Orange County, Hydrologic Unit 01080103, on right bank, 0.8 mi west of village of Wells River, and 1.5 mi upstream from mouth.
DRAINAGE AREA.--98.4 mi^2.
PERIOD OF RECORD.--Discharge records: August 1940 to current year.
Water-quality records: Water years 1957-58, 1995.
REVISED RECORDS.--WSP 1171: Drainage area. WSP 1201: 1942(P), 1944-45(M), 1946-47(P), 1948(M), 1950.
GAGE.--Water-stage recorder. Datum of gage is 505.53 ft above sea level (levels by Connecticut River Power Co.).
REMARKS.--Records good except those for estimated daily discharges, which are fair. Some diurnal fluctuation at low flow prior to 1958 and since June 1984 caused by small powerplant upstream. Flow partly regulated by Groton and Ricker Ponds.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 980 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	2400	* 1,540	5.24	Apr. 22	2000	989	4.40
Apr. 4	1430	* 1,540	* 5.25	May 11	0530	1,000	4.42
Apr. 9	1445	1,010	4.43				

Minimum daily discharge, 20 ft^3/s, September 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	248	115	179	e67	e57	344	413	268	144	60	44	26
2	162	110	149	e70	e55	247	468	316	132	51	39	31
3	130	224	154	e157	e54	199	813	276	130	46	37	33
4	137	191	156	e310	e53	170	1250	246	116	51	38	32
5	177	151	160	e340	e52	156	1030	259	112	78	33	30
6	141	134	160	e235	e52	143	631	252	118	57	29	27
7	124	120	152	e190	e51	131	522	237	316	45	28	24
8	108	114	139	e145	e51	146	534	236	188	41	40	23
9	104	105	127	e120	e50	242	782	424	171	39	36	22
10	107	104	122	e115	e50	502	643	396	165	56	35	22
11	105	109	142	e201	e50	300	508	866	145	59	30	21
12	100	99	133	e193	e50	286	455	530	184	44	97	20
13	91	97	122	e170	e49	259	380	375	154	37	56	24
14	107	108	120	e110	e52	199	377	509	140	34	45	26
15	129	151	119	e98	e53	196	503	350	132	33	127	47
16	111	137	126	e91	e53	227	585	291	124	45	159	99
17	102	121	141	e86	e52	235	457	258	114	72	132	58
18	98	105	119	e85	e50	182	371	277	113	60	88	43
19	92	104	87	e80	e52	171	329	392	107	50	65	37
20	88	112	108	e76	e52	168	310	288	99	40	51	33
21	97	156	171	e73	e54	182	378	252	87	35	44	30
22	92	144	145	e69	e57	226	709	231	86	35	37	29
23	356	128	118	e67	e59	298	743	217	81	35	33	26
24	448	120	e99	e65	e75	377	705	347	71	34	73	26
25	276	115	e90	e63	e190	380	560	337	67	32	52	29
26	205	148	e85	e60	e560	613	434	296	84	30	40	27
27	169	571	e84	e58	e260	506	403	243	71	28	33	26
28	144	453	e80	e56	e590	787	379	211	74	27	31	25
29	132	297	e75	e56	579	1080	327	192	61	41	28	25
30	122	231	e70	e55	---	640	298	173	60	84	27	23
31	117	---	e67	e55	---	492	---	158	---	59	26	---
TOTAL	4619	4874	3799	3616	3462	10084	16297	9703	3646	1438	1633	944
MEAN	149	162	123	117	119	325	543	313	122	46.4	52.7	31.5
MAX	448	571	179	340	590	1080	1250	866	316	84	159	99
MIN	88	97	67	55	49	131	298	158	60	27	26	20
CFSM	1.51	1.65	1.25	1.19	1.21	3.31	5.52	3.18	1.24	.47	.54	.32
IN.	1.75	1.84	1.44	1.37	1.31	3.81	6.16	3.67	1.38	.54	.62	.36

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

MEAN	96.9	131	120	98.0	95.4	191	451	257	133	77.9	64.7	60.2
MAX	337	279	395	285	349	467	764	589	449	323	305	196
(WY)	1982	1990	1984	1996	1981	1953	1952	1972	1973	1973	1990	1981
MIN	16.3	37.6	36.3	23.2	22.1	49.5	137	82.2	38.9	25.2	18.7	17.9
(WY)	1964	1971	1948	1948	1980	1941	1995	1965	1995	1965	1980	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	54422		64115			
ANNUAL MEAN	149		175		148	
HIGHEST ANNUAL MEAN					239	1990
LOWEST ANNUAL MEAN					66.5	1965
HIGHEST DAILY MEAN	1860	Sep 17	1250	Apr 4	2960	Jul 1 1973
LOWEST DAILY MEAN	15	Sep 4	20	Sep 12	8.3	Sep 5 1953
ANNUAL SEVEN-DAY MINIMUM	16	Sep 1	22	Sep 7	10	Sep 1 1995
INSTANTANEOUS PEAK FLOW			a 1540	Mar 28	b 5970	Jun 30 1973
INSTANTANEOUS PEAK STAGE			5.25	Apr 4	9.82	Jun 30 1973
ANNUAL RUNOFF (CFSM)	1.52		1.78		1.50	
ANNUAL RUNOFF (INCHES)	20.57		24.24		20.41	
10 PERCENT EXCEEDS	270		416		341	
50 PERCENT EXCEEDS	114		114		84	
90 PERCENT EXCEEDS	31		33		29	

a Also occurred on April 4.
b From rating curve extended above 1,400 ft^3/s on basis of peak flow over dam.
e Estimated.

01139800 EAST ORANGE BRANCH AT EAST ORANGE, VT

LOCATION.--Lat 44°05'34", long 72°20'10", Orange County, Hydrologic Unit 01080103, on left bank, 0.3 mi east of East Orange, 1.6 mi upstream from mouth, and 5 mi southwest of Orange.
DRAINAGE AREA.--8.95 mi^2.
PERIOD OF RECORD.--Discharge records: June 1958 to current year.
REVISED RECORDS.--WDR MA-NH-RI-VT-72-l: 1960-64(P), 1969-71(P).
GAGE.--Water-stage recorder. Elevation of gage is 1,180 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Occasional diurnal fluctuation at low flow caused by mill upstream.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 4	2100	Ice Jam	* 3.94	Apr. 4	0745	142	3.56
Mar. 28	1200	* 185	3.81	May 10	2200	183	3.80

Minimum discharge, 1.3 ft^3/s, September 27.

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	5.8	7.6	e16	e12	e8.6	13	31	41	28	8.4	4.6	2.3
2	5.0	7.5	e19	e13	e8.3	12	38	44	30	6.9	4.5	2.4
3	4.8	13	e16	e18	e8.2	12	43	37	27	6.5	4.4	2.5
4	7.1	8.7	18	e52	e7.5	11	81	35	26	7.0	4.2	2.4
5	6.3	8.2	18	e25	e7.2	11	48	47	26	6.8	3.9	2.1
6	6.4	8.1	17	e16	e7.0	11	44	43	43	5.8	3.8	2.0
7	6.3	7.9	17	e15	e7.0	12	45	39	38	5.4	4.0	1.9
8	6.2	7.8	17	e15	e7.0	13	59	39	27	5.2	4.1	1.8
9	6.7	7.7	18	e14	e7.0	18	61	64	26	6.2	3.9	1.8
10	6.9	8.3	18	e14	e7.0	20	46	57	23	9.9	3.8	1.8
11	9.0	8.5	20	e13	e7.0	15	41	66	24	5.6	5.6	1.7
12	7.2	7.5	20	e12	e6.8	18	40	47	24	5.0	5.0	1.8
13	6.8	8.1	20	e12	e6.8	16	37	50	20	4.8	4.0	2.4
14	9.0	8.9	20	e12	e6.8	20	40	56	21	4.7	11	1.8
15	9.3	9.3	20	e12	e7.8	16	54	47	19	4.9	7.9	6.9
16	8.5	8.2	20	e12	e6.4	18	49	45	17	14	18	3.0
17	8.1	8.1	22	e11	e6.0	17	42	42	18	7.2	5.2	1.9
18	8.2	9.8	e20	e11	e6.0	e22	40	58	16	5.8	4.1	1.8
19	8.0	8.1	e16	e11	e6.4	e19	40	50	14	5.0	3.7	1.7
20	8.6	8.8	e18	e11	e6.3	18	39	45	13	4.7	3.5	1.6
21	9.7	11	e20	e10	e6.4	18	50	46	12	4.8	3.3	1.6
22	9.4	8.5	e13	e9.8	e7.0	19	63	46	11	5.2	3.1	1.5
23	28	8.0	e16	e9.6	e7.2	22	55	44	10	4.9	4.4	1.4
24	10	7.8	e16	e9.5	e8.0	24	59	63	9.2	5.0	5.3	1.7
25	8.3	7.5	e15	e9.4	e14	23	52	48	16	4.8	3.3	1.6
26	7.9	12	e15	e9.3	e12	29	46	41	13	4.5	3.0	1.5
27	7.6	41	e15	e9.0	e10	27	52	37	11	4.5	2.7	1.4
28	7.5	19	e14	e8.9	32	57	47	35	8.6	4.5	2.6	1.4
29	7.5	17	e13	e8.8	15	30	43	33	9.7	4.4	2.5	1.4
30	7.4	16	e12	e8.7	---	28	41	31	12	4.8	2.5	1.4
31	7.6	---	e11	e8.6	---	28	---	30	---	4.6	2.4	---
TOTAL	255.1	317.9	530	412.6	252.7	617	1426	1406	592.5	181.8	144.3	60.5
MEAN	8.23	10.6	17.1	13.3	8.71	19.9	47.5	45.4	19.8	5.86	4.65	2.02
MAX	28	41	22	52	32	57	81	66	43	14	18	6.9
MIN	4.8	7.5	11	8.6	6.0	11	31	30	8.6	4.4	2.4	1.4
CFSM	.92	1.18	1.91	1.49	.97	2.22	5.31	5.07	2.21	.66	.52	.23
IN.	1.06	1.32	2.20	1.71	1.05	2.56	5.93	5.84	2.46	.76	.60	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	10.0	13.9	13.2	10.3	9.50	17.8	50.5	34.3	13.8	7.35	5.69	5.26
MAX	35.5	33.1	41.0	26.6	46.0	47.0	91.2	75.7	41.1	41.0	25.5	14.9
(WY)	1976	1990	1984	1978	1981	1976	1969	1971	1973	1973	1990	1976
MIN	1.14	3.41	2.91	2.53	1.90	5.02	16.3	11.4	4.87	1.63	1.15	.40
(WY)	1964	1979	1964	1971	1964	1971	1995	1995	1995	1963	1970	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	4896.7		6196.4			
ANNUAL MEAN	13.4		16.9		16.0	
HIGHEST ANNUAL MEAN					29.1	1976
LOWEST ANNUAL MEAN					6.71	1965
HIGHEST DAILY MEAN	76	Apr 8	81	Apr 4	260	May 4 1971
LOWEST DAILY MEAN	1.1	Sep 4	a 1.4	Sep 23	.20	Sep 3 1963
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 31	1.5	Sep 23	.21	Sep 6 1963
INSTANTANEOUS PEAK FLOW			185	Mar 28	bc 800	Jul 23 1990
INSTANTANEOUS PEAK STAGE			d 3.94	Jan 4	d 6.35	Jan 22 1959
INSTANTANEOUS LOW FLOW			1.3	Sep 27	f .10	Sep 9 1963
ANNUAL RUNOFF (CFSM)	1.50		1.89		1.79	
ANNUAL RUNOFF (INCHES)	20.35		25.75		24.28	
10 PERCENT EXCEEDS	29		44		40	
50 PERCENT EXCEEDS	9.0		11		8.6	
90 PERCENT EXCEEDS	2.2		3.2		2.3	

a Also occurred on September 27-30.
b From rating curve extended above 160 ft^3/s on basis of slope-area measurement of peak flow.
c From floodmarks.
d Ice jam.
e Estimated.
f Also occurred on September 19, 1963.

01142500 AYERS BROOK AT RANDOLPH, VT

LOCATION.--Lat 43°56'04", long 72°39'30", Orange County, Hydrologic Unit 01080105, on right bank, 135 ft upstream from bridge on State Highway 12, just north of village limits of Randolph, 0.4 mi upstream from Adams Brook, and 1.2 mi upstream from mouth.
DRAINAGE AREA.--30.5 mi^2.
PERIOD OF RECORD.--Discharge records: July 1939 to September 1975, June 1976 to current year.
REVISED RECORDS.--WDR MA-NH-RI-VT-72-l: 1949(M), 1952(M), 1953(P), 1958(P), 1960(M), 1967(M).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 630.50 ft (Vermont State Department of Highways datum). Prior to October 1, 1964, at site 140 ft downstream at datum 2.25 ft higher and October 1, 1964, to September 30, 1975, at site 140 ft downstream at datum 1.25 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1830, about 18 ft, present datum, in November 1927.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1515	559	5.53	Apr. 9	1100	405	4.97
Apr. 4	1145	* 748	* 6.14	July 16	1820	709	6.02

Minimum discharge, 6.2 ft^3/s, September 29, 30.

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	38	27	52	e21	e23	75	174	84	46	17	37	e11
2	26	26	54	e22	e21	66	201	102	45	15	35	e13
3	23	39	47	e58	e19	59	286	80	43	14	31	e12
4	31	31	47	130	e18	51	538	71	38	17	26	e11
5	33	27	46	151	e18	47	321	78	35	19	23	e11
6	27	26	43	e70	e17	44	235	73	55	13	20	e10
7	25	25	41	e55	e17	45	197	68	98	12	23	e9.5
8	23	24	38	e50	e17	55	215	65	50	12	22	8.7
9	24	23	36	e47	e17	105	275	88	44	12	20	e8.3
10	23	24	36	e49	e17	173	218	100	41	28	18	e8.0
11	27	24	43	88	e17	94	192	189	37	17	20	e8.0
12	23	22	37	67	e17	92	187	113	39	12	30	e8.5
13	22	23	35	e46	e15	77	159	106	37	10	22	e8.0
14	23	27	34	e35	e15	69	154	160	41	9.9	23	8.0
15	22	32	35	e32	e15	71	165	105	37	11	36	20
16	21	27	40	e33	e15	112	160	92	33	204	47	17
17	21	25	39	e33	e14	93	136	84	37	200	33	12
18	20	24	e30	e32	e13	85	119	103	37	79	25	10
19	18	24	e27	e32	e14	82	111	107	33	54	22	8.8
20	19	25	e25	e30	e16	68	101	85	29	44	20	8.6
21	20	34	57	e28	e16	75	130	83	26	38	17	8.4
22	19	29	41	e26	e16	105	197	76	26	36	16	8.4
23	109	27	33	e25	e17	154	186	72	23	32	17	8.0
24	69	26	e25	e25	e20	182	173	123	20	28	27	8.7
25	46	25	e21	e25	e75	164	141	106	22	25	19	8.4
26	39	51	e28	e25	93	216	122	84	27	22	16	7.8
27	35	192	e26	e24	62	195	139	72	22	22	14	7.5
28	32	98	e23	e24	176	372	120	65	19	21	13	7.7
29	31	71	e24	e23	118	296	104	60	17	30	e12	7.2
30	29	60	e23	e23	---	222	92	55	21	51	e12	7.1
31	28	---	e22	e23	---	189	---	50	---	39	e11	---
TOTAL	946	1138	1108	1352	928	3733	5548	2799	1078	1143.9	707	290.6
MEAN	30.5	37.9	35.7	43.6	32.0	120	185	90.3	35.9	36.9	22.8	9.69
MAX	109	192	57	151	176	372	538	189	98	204	47	20
MIN	18	22	21	21	13	44	92	50	17	9.9	11	7.1
CFSM	1.00	1.24	1.17	1.43	1.05	3.95	6.06	2.96	1.18	1.21	.75	.32
IN.	1.15	1.39	1.35	1.65	1.13	4.55	6.77	3.41	1.31	1.40	.86	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	27.2	39.6	41.5	35.3	33.8	76.3	162	78.4	39.0	20.6	15.5	15.2
MAX	102	102	151	96.8	136	189	289	173	142	85.5	64.0	48.9
(WY)	1946	1960	1984	1996	1981	1979	1969	1972	1947	1973	1989	1981
MIN	2.29	9.05	11.9	9.31	8.27	14.0	46.7	23.4	7.32	2.05	1.90	1.91
(WY)	1964	1954	1948	1981	1940	1940	1995	1941	1965	1965	1965	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	16514.1		20771.5			
ANNUAL MEAN	45.2		56.8		48.6	
HIGHEST ANNUAL MEAN					78.4	1973
LOWEST ANNUAL MEAN					16.7	1965
HIGHEST DAILY MEAN	433	Apr 1	538	Apr 4	1550	Jun 27 1998
LOWEST DAILY MEAN	3.0	Sep 5	7.1	Sep 30	.80	Aug 2 1965
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 1	7.8	Sep 24	.97	Jul 27 1965
INSTANTANEOUS PEAK FLOW			748	Apr 4	3480	Jun 27 1998
INSTANTANEOUS PEAK STAGE			6.14	Apr 4	11.93	Jun 27 1998
INSTANTANEOUS LOW FLOW			a 6.2	Sep 29	.60	Jul 27 1965
ANNUAL RUNOFF (CFSM)	1.48		1.86		1.59	
ANNUAL RUNOFF (INCHES)	20.14		25.33		21.64	
10 PERCENT EXCEEDS	91		144		110	
50 PERCENT EXCEEDS	27		32		27	
90 PERCENT EXCEEDS	5.4		12		6.8	

a Also occurred on September 30.
e Estimated.

01144000 WHITE RIVER AT WEST HARTFORD, VT

LOCATION.--Lat 43°42'51", long 72°25'07", Windsor County, Hydrologic Unit 01080105, on left bank, 700 ft upstream from highway bridge at West Hartford, and 7.4 mi upstream from mouth.
DRAINAGE AREA.--690 mi^2.
PERIOD OF RECORD.--Discharge records: June 1915 to current year. October 1927 to September 1928 monthly discharge only, published in WSP 1301.
Water-quality records: Water years 1953, 1967-74, 1992-95.
REVISED RECORDS.--WSP 756: Drainage area. WSP 781: 1928(M). WSP 1031: 1916(m), 1923. WSP 1301: 1916-26(M), 1929(M).
GAGE.--Water-stage recorder. Datum of gage is 374.53 ft above sea level. Prior to October 30, 1927, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Some diurnal fluctuation at low flow during period 1934-50 caused by powerplant upstream.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s, November 4, 1927, gage height, 29.3 ft, from floodmarks, from rating curve extended above 29,000 ft^3/s on basis of slope-area measurement of peak flow; minimum observed, about 35 ft^3/s, August 4, 1918; minimum daily discharge, 54 ft^3/s, September 27, 28, 1963. Stage and discharge of the flood of November 4, 1927, are the greatest since at least 1761.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1900	14,400	11.81	Apr. 4	1400	* 18,200	* 13.05

Minimum discharge, 142 ft^3/s, September 30.

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	1220	758	1410	e560	e545	2460	3310	2060	1130	543	1980	270
2	824	712	1210	e575	e540	1990	3430	2510	1040	462	1450	255
3	679	1260	1220	e710	e500	1750	6400	2240	1020	416	1160	252
4	687	1190	1170	2690	e470	1460	13500	1950	888	430	1130	261
5	986	941	1140	5880	e450	1370	8650	2000	823	436	854	254
6	818	850	1080	2160	e440	1240	5160	1960	921	395	693	239
7	716	768	1030	1840	e425	1200	4100	1880	3270	354	641	224
8	633	726	950	1500	e420	1420	4250	1710	1770	339	634	216
9	609	688	877	1330	e415	2410	5660	2290	1350	327	545	206
10	636	687	842	e1500	e415	6600	4610	2330	1180	585	511	190
11	635	806	1020	e2600	e410	3250	3920	5130	1020	600	448	188
12	614	730	957	e2000	e410	2700	3750	3260	1010	405	579	180
13	548	706	884	e1300	e400	2250	3170	2680	973	341	563	214
14	572	751	848	e1020	e375	1820	3030	4470	1100	317	489	239
15	631	908	849	e930	e365	1800	3560	2980	1030	345	784	235
16	560	843	896	e820	e365	2670	3980	2470	916	1060	974	395
17	529	782	1010	e820	e355	3000	3230	2350	913	6000	1030	301
18	507	703	852	e830	e330	2000	2710	2260	1160	2500	712	240
19	478	695	566	e810	e340	1880	2480	3220	1030	1810	589	218
20	460	713	555	e790	e370	1810	2290	2400	857	1200	509	283
21	506	1070	1220	e740	e390	1800	2550	2210	734	921	449	268
22	484	1080	1160	e680	e400	2110	4230	2030	753	838	409	213
23	1890	944	833	e645	e400	2670	4820	1870	794	722	387	197
24	3990	869	732	e620	e450	3410	4450	2880	655	623	534	196
25	2150	794	470	e610	e600	3510	3490	3430	586	545	483	197
26	1480	995	675	e610	e1150	4230	2940	2580	802	480	398	192
27	1200	5640	e920	e600	e1900	3980	3160	2090	662	447	352	185
28	1030	3470	e680	e590	e5200	8610	3030	1800	580	417	332	171
29	934	2210	e570	e580	4090	7920	2580	1610	504	470	310	169
30	847	1740	e550	e560	---	4930	2300	1420	557	947	294	167
31	800	---	e530	e560	---	3830	---	1260	---	2030	282	---
TOTAL	28653	35029	27706	37460	22920	92080	124740	75330	30028	27305	20505	6815
MEAN	924	1168	894	1208	790	2970	4158	2430	1001	881	661	227
MAX	3990	5640	1410	5880	5200	8610	13500	5130	3270	6000	1980	395
MIN	460	687	470	560	330	1200	2290	1260	504	317	282	167
CFSM	1.34	1.69	1.30	1.75	1.15	4.30	6.03	3.52	1.45	1.28	.96	.33
IN.	1.54	1.89	1.49	2.02	1.24	4.96	6.73	4.06	1.62	1.47	1.11	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	670	1020	1004	863	804	1912	3879	1984	898	498	375	404
MAX	2416	2391	3189	2178	3503	7170	7286	4734	3459	2010	1822	2774
(WY)	1946	1960	1984	1996	1981	1936	1969	1940	1947	1996	1976	1938
MIN	80.0	285	237	197	169	222	1131	634	224	108	90.5	77.5
(WY)	1964	1954	1923	1925	1940	1940	1995	1941	1921	1965	1965	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915 - 2000	
ANNUAL TOTAL	420992		528571			
ANNUAL MEAN	1153		1444		1191	
HIGHEST ANNUAL MEAN					1910	1976
LOWEST ANNUAL MEAN					494	1965
HIGHEST DAILY MEAN	9400	Apr 2	13500	Apr 4	31300	Mar 18 1936
LOWEST DAILY MEAN	80	Sep 6	167	Sep 30	a 54	Sep 27 1963
ANNUAL SEVEN-DAY MINIMUM	92	Sep 1	182	Sep 24	59	Sep 22 1963
INSTANTANEOUS PEAK FLOW			18200	Apr 4	b 120000	Nov 4 1927
INSTANTANEOUS PEAK STAGE			13.05	Apr 4	c 29.30	Nov 4 1927
INSTANTANEOUS LOW FLOW			142	Sep 30	d 35	Aug 4 1918
ANNUAL RUNOFF (CFSM)	1.67		2.09		1.73	
ANNUAL RUNOFF (INCHES)	22.70		28.50		23.45	
10 PERCENT EXCEEDS	2430		3340		2700	
50 PERCENT EXCEEDS	794		850		633	
90 PERCENT EXCEEDS	152		337		190	

a Also occurred on September 28, 1963.
b From rating curve extended above 29,000 ft^3/s as explained under Extremes paragraphs.
c From floodmarks.
d About.
e Estimated.

01144500 CONNECTICUT RIVER AT WEST LEBANON, NH

LOCATION.--Lat 43°38′46", long 72°18′46", Grafton County, Hydrologic Unit 01080104, on left bank, 50 ft downstream from railroad bridge at West Lebanon, 500 ft downstream from White River, and at mile 215.0.
DRAINAGE AREA.--4,092 mi^2.
PERIOD OF RECORD.--Discharge records: October 1911 to November 1976 (published as "at White River Junction, VT"), November 1978 to current year.
Water-quality records: Water year 1954, 1994.
REVISED RECORDS.--WSP 741: 1932 (adjusted monthly and yearly figures only). WSP 781: 1928(M). WSP 891: Drainage area. WSP 1301: 1922-26(M).
GAGE.--Water-stage recorder. Datum of gage is 321.52 ft above sea level. Prior to June 16, 1918, nonrecording gage on downstream side of pier of railroad bridge 50 ft upstream at same datum. June 16, 1918, to November 2, 1930, nonrecording gage at various locations on upstream and downstream sides of railroad bridge at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplants and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, Union Village Reservoir, and other reservoirs. These reservoirs have a combined usable capacity of about 17.2 billion ft^3.
EXTREMES FOR PERIOD OF RECORD--Maximum discharge. 136,000 ft^3/s, November 4, 1927, gage height, 35.0 ft, present site; minimum daily discharge 82 ft^3/s, August 8, 1965. Stage and discharge of flood November 4, 1927, are the greatest since at least 1760.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,400 ft^3/s, April 5, gage height, 18.46 ft; maximum gage height, 20.03 ft, February 28 (ice jam); minimum daily discharge, 969 ft^3/s, September 29.

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	5670	6780	13800	3470	e3060	10800	19700	13500	7110	1330	4250	2410
2	5790	6170	7150	2150	e3360	8550	16900	12500	6170	1250	3650	1740
3	4590	6780	5380	3340	e4840	10900	22600	12300	5320	1360	4080	995
4	3970	6040	5760	5290	e3800	9080	39600	11700	5610	1380	2940	1000
5	5200	5440	6920	14200	e1150	8160	44000	11800	5720	2530	2470	1620
6	5460	6600	7400	9690	e1230	6200	38400	11400	6210	3410	2290	3110
7	5300	6740	7010	7800	e3250	4830	32800	12800	9550	3670	4550	1690
8	5630	5000	7540	6410	e3730	5960	27000	13800	6890	2800	2880	1700
9	3510	5890	6850	7550	e3140	9340	30100	15700	6540	1720	5800	1230
10	3120	4900	7000	7320	e2620	20500	42000	24700	5910	2670	4890	1040
11	4280	4950	7590	6840	e3760	18200	36800	34700	3850	3420	2610	2360
12	6180	3790	5690	9550	e2040	14500	30300	39500	6150	3880	1320	2810
13	4370	3490	6420	6570	e1540	11600	22100	37500	4190	4020	1520	1920
14	6710	3270	4830	7820	e2050	9770	18800	38300	6450	2090	2770	1880
15	4840	4820	6090	6320	e3420	9370	19700	34300	7990	1120	2710	1590
16	5080	6780	5950	3220	e2420	13200	19300	25900	e3940	1500	3550	3120
17	7760	6140	6750	e6660	e2150	12900	18200	17600	e4500	7160	3300	3460
18	6700	5460	6290	e7460	e3640	8840	18900	16200	e1830	4360	3150	4950
19	6680	6260	4540	e6380	e2360	7260	17500	19100	e4500	3960	3650	5210
20	7540	4970	6860	e6110	e1710	9250	17300	18800	5260	2930	1540	4000
21	4020	2950	4780	e7020	e2800	8900	17500	16300	e4260	2520	3080	3790
22	5270	6960	6170	e7990	e2200	10400	20900	13000	e4530	2550	2250	1310
23	5500	7770	5270	e4920	e2640	11700	24800	11200	e1700	1820	2740	1660
24	15100	7720	6090	e4510	e3540	13600	24800	8800	e1260	2200	2600	1940
25	16500	5870	e3880	e5350	e3450	15300	23400	12500	e2230	2100	2420	2630
26	14200	6780	5850	e5100	e5310	15800	21200	11400	e4040	2580	2750	2900
27	12000	14800	3850	e4590	4630	15800	19900	11800	8170	1750	2950	3440
28	7690	20800	3620	e7520	e13500	24700	19000	9780	e5990	2040	2190	2690
29	6280	17400	4610	e5010	e15700	33800	15800	9430	e1300	1300	2100	969
30	6310	14700	3390	e2570	---	30600	14200	8330	2490	2410	2420	1290
31	7090	---	3620	e2780	---	25100	---	9200	---	6050	3560	---
TOTAL	208340	216020	186950	191510	109040	414910	733500	543840	149660	83880	92980	70454
MEAN	6721	7201	6031	6178	3760	13380	24450	17540	4989	2706	2999	2348
MAX	16500	20800	13800	14200	15700	33800	44000	39500	9550	7160	5800	5210
MIN	3120	2950	3390	2150	1150	4830	14200	8330	1260	1120	1320	969

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1977, 1979 - 2000, BY WATER YEAR (WY)

MEAN	4786	6794	6266	5138	4816	9268	20240	13020	6219	3774	3055	3231
MAX	12990	24860	16890	11680	17650	35510	32900	25890	16870	14050	8904	12900
(WY)	1982	1928	1984	1996	1981	1936	1934	1972	1947	1973	1990	1954
MIN	1314	2313	1795	1627	1419	1626	5536	4556	1946	1393	1072	1007
(WY)	1948	1948	1948	1948	1940	1940	1995	1987	1921	1921	1942	1921

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912 - 1977, 1979 - 2000	
ANNUAL TOTAL	2328131		3001084			
ANNUAL MEAN	6378		8200		7163	
HIGHEST ANNUAL MEAN					10700	1928
LOWEST ANNUAL MEAN					4101	1965
HIGHEST DAILY MEAN	27900	Apr 4	44000	Apr 5	129000	Nov 4 1927
LOWEST DAILY MEAN	729	Sep 6	969	Sep 29	82	Aug 8 1965
ANNUAL SEVEN-DAY MINIMUM	949	Aug 3	1620	Sep 3	731	Aug 27 1934
INSTANTANEOUS PEAK FLOW			47400	Apr 5	136000	Nov 4 1927
INSTANTANEOUS PEAK STAGE			a 20.03	Feb 28	35.00	Nov 4 1927
10 PERCENT EXCEEDS	13600		18800		16000	
50 PERCENT EXCEEDS	5630		5620		4600	
90 PERCENT EXCEEDS	1320		1930		1690	

a Ice jam.
e Estimated.

01150500 MASCOMA RIVER AT MASCOMA, NH

LOCATION.--Lat 43°38'55", long 72°10'55", Grafton County, Hydrologic Unit 01080104, on right bank, at Mascoma, 100 ft downstream from outlet of Mascoma Lake.
DRAINAGE AREA.--153 mi^2.
PERIOD OF RECORD.--Discharge records: August 1923 to present; August 1923 to January 1993, at site 900 ft downstream and different datum.
REVISED RECORDS.--WSP 726: Drainage area. WSP 801: 1925(M), WRD NH-VT-84-1: 1973(M).
GAGE.--Water-stage recorder. Datum of gage is 740.68 ft above sea level.
REMARKS.--Records fair. Flow regulated by Mascoma and Crystal Lakes and Goose and Grafton Ponds.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,840 ft^3/s, March 19, 1936, gage height, 7.50 ft (at different datum), from rating curve extended above 2,500 ft^3/s on basis of computations of flow over dam at gage heights 6.85 ft. and 7.50 ft; minimum daily discharge, 2 ft^3/s, February 3, 1939, September 1, 1940.
EXTREMES FOR CURENT YEAR.--Maximum discharge, 2,480 ft^3/s, April 10, gage height, 7.55 ft; minimum daily discharge, 37 ft^3/s, September 28-30.

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	307	258	303	92	80	468	742	351	170	115	239	42
2	373	253	263	92	80	513	656	288	170	109	250	42
3	329	255	235	92	80	515	619	323	160	101	218	42
4	286	263	220	93	79	490	678	340	153	96	148	42
5	273	301	210	99	79	454	1190	337	114	89	98	42
6	271	299	204	134	79	411	1260	334	93	74	97	41
7	245	283	210	170	79	343	983	326	146	65	95	41
8	224	296	215	179	78	303	764	318	305	65	95	41
9	168	294	212	174	69	323	1170	316	301	52	94	40
10	164	269	186	172	61	462	2180	329	251	43	63	39
11	158	247	167	211	63	597	2150	546	205	43	41	39
12	203	235	166	272	63	620	1260	549	167	44	41	39
13	227	226	166	286	63	585	908	517	156	45	41	39
14	246	221	164	256	63	532	773	501	156	45	41	38
15	256	221	163	222	64	486	889	505	157	47	42	38
16	244	222	164	192	65	457	663	447	154	50	56	38
17	236	223	165	169	65	467	383	396	153	140	86	38
18	230	231	166	149	66	455	390	367	224	186	105	38
19	231	247	164	140	67	432	383	339	263	144	96	38
20	231	260	161	133	67	386	374	332	245	119	80	38
21	239	257	163	126	67	299	545	328	195	103	73	38
22	246	259	166	122	67	248	618	321	178	89	65	38
23	252	257	163	118	67	328	621	260	202	81	61	38
24	267	258	160	114	67	399	676	301	236	80	58	38
25	293	253	158	97	68	483	741	408	190	58	54	38
26	313	246	154	81	69	575	713	356	181	40	51	38
27	305	248	152	81	82	742	536	340	169	39	48	38
28	290	259	149	81	167	873	451	327	142	39	47	37
29	269	318	146	80	331	1560	481	307	120	39	45	37
30	256	342	119	79	---	1690	483	222	116	38	43	37
31	263	---	92	79	---	1110	---	171	---	125	42	---
TOTAL	7895	7801	5526	4385	2395	17606	24280	11102	5472	2403	2613	1172
MEAN	255	260	178	141	82.6	568	809	358	182	77.5	84.3	39.1
MAX	373	342	303	286	331	1690	2180	549	305	186	250	42
MIN	158	221	92	79	61	248	374	171	93	38	41	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2000, BY WATER YEAR (WY)

MEAN	142	187	191	158	166	317	639	346	179	116	94.1	92.1
MAX	461	560	607	368	550	1222	1338	769	493	658	443	591
(WY)	1976	1928	1984	1978	1981	1936	1969	1996	1984	1973	1990	1938
MIN	34.6	35.8	46.5	39.3	38.7	65.4	180	78.2	34.8	27.5	19.0	29.6
(WY)	1964	1965	1979	1981	1980	1931	1995	1957	1999	1999	1985	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1923 - 2000	
ANNUAL TOTAL	71718		92650			
ANNUAL MEAN	196		253		219	
HIGHEST ANNUAL MEAN					359	1973
LOWEST ANNUAL MEAN					84.4	1965
HIGHEST DAILY MEAN	2030	Sep 18	2180	Apr 10	5090	Mar 19 1936
LOWEST DAILY MEAN	19	Sep 8	a 37	Sep 28	2.0	Feb 3 1929
ANNUAL SEVEN-DAY MINIMUM	20	Sep 8	38	Sep 24	16	Aug 24 1985
INSTANTANEOUS PEAK FLOW			2480	Apr 10	b 5840	Mar 19 1936
INSTANTANEOUS PEAK STAGE			7.55	Apr 10	9.08	Apr 20 1997
10 PERCENT EXCEEDS	368		516		472	
50 PERCENT EXCEEDS	160		178		125	
90 PERCENT EXCEEDS	23		42		47	

a Also occurred on September 29, 30.
b From rating curve extended above 2,500 ft^3/s on basis of computations of flow over dam at gage heights 6.85 ft and 7.50 ft. from gage located 900 ft downstream of present site at different datum.

01150900 OTTAUQUECHEE RIVER NEAR WEST BRIDGEWATER, VT

LOCATION.--Lat 43°37'20", long 72°45'34", Rutland County, Hydrologic Unit 02010001, on right bank, 50 ft upstream from highway bridge on Mission Chapel Road, 1.6 mi northwest of West Bridgewater and 2.6 mi southeast of Sherburne Center.
DRAINAGE AREA.--23.4 mi^2.
PERIOD OF RECORD.--Discharge records: October 1984 to current year.
REVISED RECORDS.--WRD NH-VT-87-1: 1985-86.
GAGE.--Water-stage recorder. Elevation of gage is 1,150 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 24	0830	528	4.86	Mar. 28	2100	1,010	5.87
Nov. 27	1600	504	4.80	Apr. 4	1845	* 1,670	* 6.96
Mar. 10	0530	648	5.15				

Minimum discharge, 7.8 ft^3/s, September 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	54	36	64	e19	e24	173	173	102	30	17	219	13
2	35	35	54	e19	e23	140	206	e130	28	15	98	13
3	29	132	59	e53	e23	104	419	e105	24	14	67	14
4	33	82	59	e229	e22	82	1120	e96	20	15	59	13
5	38	60	56	e412	e21	72	861	e103	20	14	42	12
6	31	50	53	e276	e21	61	333	e96	43	11	35	11
7	26	41	50	e127	e20	60	242	e90	120	11	37	10
8	22	36	38	e88	e20	88	252	e86	54	10	32	9.7
9	24	34	33	e71	e20	229	327	e120	42	13	28	9.5
10	24	35	39	e74	e20	533	280	e132	36	38	27	9.0
11	25	38	73	e108	e19	254	216	e150	30	19	23	9.0
12	21	27	51	e80	e19	189	196	e125	55	13	36	9.2
13	20	29	43	e57	e19	137	163	e140	39	11	29	17
14	25	36	40	e44	e18	108	164	e200	54	11	e31	11
15	26	44	e39	e37	e27	118	228	e140	43	17	47	20
16	22	38	e59	e36	e19	214	254	e120	35	86	89	20
17	21	33	e53	e37	e18	e180	193	e130	70	210	62	14
18	20	29	e38	e36	e16	e130	154	e120	69	98	43	12
19	18	32	e40	e36	e17	e110	145	e140	55	58	35	11
20	19	39	e26	e35	e20	105	135	e100	39	43	28	16
21	20	58	e68	e33	e20	105	208	e76	33	35	25	14
22	18	49	e52	e32	e20	116	269	e72	51	32	22	12
23	185	45	e41	e31	e23	143	304	65	58	27	24	11
24	438	41	e35	e31	e36	180	286	154	38	23	32	12
25	195	38	e32	e30	e90	185	207	154	34	21	23	11
26	101	81	e26	e30	e115	230	172	104	35	19	19	10
27	73	388	e24	e29	e140	201	190	74	27	20	18	9.8
28	57	264	e21	e28	e400	574	181	60	22	20	17	9.9
29	46	132	e20	e27	320	565	153	52	19	27	15	10
30	42	92	e21	e26	---	285	134	43	21	70	15	9.0
31	40	---	e19	e25	---	206	---	35	---	274	14	---
TOTAL	1748	2074	1326	2196	1570	5877	8165	3314	1244	1292	1291	362.1
MEAN	56.4	69.1	42.8	70.8	54.1	190	272	107	41.5	41.7	41.6	12.1
MAX	438	388	73	412	400	574	1120	200	120	274	219	20
MIN	18	27	19	19	16	60	134	35	19	10	14	9.0
CFSM	2.41	2.95	1.83	3.03	2.31	8.10	11.6	4.57	1.77	1.78	1.78	.52
IN.	2.78	3.30	2.11	3.49	2.50	9.34	12.98	5.27	1.98	2.05	2.05	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

MEAN	49.5	64.6	47.6	51.3	39.5	96.1	160	81.8	42.4	31.6	24.4	26.6
MAX	121	121	87.2	108	76.6	200	272	169	160	125	51.5	97.2
(WY)	1988	1989	1997	1998	1990	1998	2000	1996	1998	1996	1986	1987
MIN	14.2	25.4	21.2	19.4	14.5	44.6	45.7	34.7	13.7	6.77	6.50	6.19
(WY)	1998	1995	1998	1988	1987	1989	1995	1995	1988	1991	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	19697.3		30459.1			
ANNUAL MEAN	54.0		83.2		59.6	
HIGHEST ANNUAL MEAN					83.2	2000
LOWEST ANNUAL MEAN					35.6	1995
HIGHEST DAILY MEAN	752	Sep 17	1120	Apr 4	1460	Mar 29 1998
LOWEST DAILY MEAN	3.3	Sep 5	a 9.0	Sep 10	3.0	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 31	9.6	Sep 6	3.3	Jul 29 1991
INSTANTANEOUS PEAK FLOW			b 1670	Apr 4	b 1960	Oct 22 1995
INSTANTANEOUS PEAK STAGE			6.96	Apr 4	7.78	Mar 31 1987
INSTANTANEOUS LOW FLOW			7.8	Sep 10	c 2.6	Sep 1 1999
ANNUAL RUNOFF (CFSM)	2.31		3.56		2.55	
ANNUAL RUNOFF (INCHES)	31.31		48.42		34.59	
10 PERCENT EXCEEDS	94		206		126	
50 PERCENT EXCEEDS	32		38		32	
90 PERCENT EXCEEDS	5.7		15		10	

a Also occurred on September 11, 30.
b From rating curve extended above 670 ft^3/s.
c Also occurred on September 2, 5, 6.
e Estimated.

01151500 OTTAUQUECHEE RIVER AT NORTH HARTLAND, VT

LOCATION.--Lat 43°36'09", long 72°21'17", Windsor County, Hydrologic Unit 01080106, on left bank, 100 ft upstream from highway bridge at North Hartland, 0.3 mi downstream from North Hartland Dam, and 1.2 mi upstream from mouth.
DRAINAGE AREA.--221 mi^2.
PERIOD OF RECORD.--Discharge records: October 1930 to current year.
Water-quality records: Water years 1954-55.
GAGE.--Water-stage recorder. Datum of gage is 336.77 ft above sea level (levels by U.S. Army Corps of Engineers).
REMARKS.-- Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplants upstream and by North Hartland Reservoir since March 1961; greater regulation by powerplants at North Hartland Reservoir since July 1985. Small seasonal storage in reservoir at Plymouth.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1760, 21.5 ft in November 1927, from floodmarks, discharge 30,400 ft^3/s, by computation of peak flow over dam.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,400 ft^3/s, September 21, 1938, gage height, 17.68 ft, from rating curve extended above 6,200 ft^3/s on basis of computation of flow over dam at gage heights 15.58 ft, 17.68 ft, and 21.5 ft; minimum, 0.2 ft^3/s, July 6, 1984 during hydroelectric construction; minimum daily discharge, 3.8 ft^3/s, July 3, 1933. Maximum discharge since construction of North Hartland Dam in March 1961, 6,170 ft^3/s, March 17, 1977, gage height, 8.67 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,000 ft^3/s, April 5, gage height, 7.36 ft; minimum daily discharge, 43 ft^3/s, September 30.

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	364	124	353	177	185	959	2540	759	363	192	2360	131
2	392	120	424	187	185	790	2310	911	289	168	1050	114
3	219	352	439	261	164	643	2040	837	326	168	694	107
4	247	479	359	1090	147	524	3120	700	261	168	539	126
5	335	387	360	e2500	147	524	3890	700	215	159	446	116
6	304	309	364	e1250	147	431	2480	700	344	131	368	93
7	233	306	334	714	149	437	1510	631	851	115	417	86
8	181	273	317	526	129	591	1370	585	463	113	380	86
9	147	240	287	382	129	926	1430	665	429	113	307	86
10	148	e225	274	e485	129	2380	1650	608	343	357	243	86
11	149	216	276	697	130	1830	1990	1220	278	237	269	86
12	225	248	278	702	e130	1100	1790	1120	449	137	499	86
13	219	194	322	508	e130	901	1250	769	414	113	349	105
14	228	194	346	239	e185	676	1080	1120	531	106	332	119
15	193	307	314	149	209	638	1120	847	348	124	420	144
16	150	336	294	197	196	798	1140	579	366	457	503	153
17	151	222	322	297	172	1240	1080	679	324	2110	481	93
18	181	170	335	182	e143	987	869	649	577	1240	342	62
19	162	214	174	179	e143	722	755	819	679	674	284	99
20	145	189	e121	216	143	720	696	636	361	457	236	183
21	153	192	191	208	143	614	766	585	325	295	210	175
22	160	263	321	194	e165	781	835	517	371	349	197	115
23	585	287	405	194	e150	909	894	572	412	270	191	94
24	1030	243	260	159	e150	1240	1540	962	325	237	322	81
25	953	202	309	178	551	1370	1790	981	239	194	249	82
26	878	203	304	e212	820	1380	1560	753	415	176	184	81
27	458	1320	242	224	567	1390	1300	565	336	186	173	81
28	330	1350	151	193	e1230	825	1160	526	272	200	140	81
29	205	664	125	173	1370	653	908	466	199	224	142	55
30	126	445	183	171	---	2910	741	432	236	654	149	43
31	132	---	164	176	---	2750	---	367	---	1680	131	---
TOTAL	9383	10274	8948	13020	8238	32639	45604	22260	11341	11804	12607	3049
MEAN	303	342	289	420	284	1053	1520	718	378	381	407	102
MAX	1030	1350	439	2500	1370	2910	3890	1220	851	2110	2360	183
MIN	126	120	121	149	129	431	696	367	199	106	131	43

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

MEAN	219	340	340	302	283	634	1369	664	292	166	123	133
MAX	1060	816	1028	900	1157	2570	2587	1676	990	1131	759	1030
(WY)	1988	1976	1984	1996	1981	1936	1969	1940	1998	1973	1976	1938
MIN	33.3	70.5	72.2	56.2	55.4	84.0	346	201	70.3	34.8	28.5	29.7
(WY)	1965	1965	1948	1948	1940	1940	1995	1941	1965	1965	1965	1967

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	143669		189167			
ANNUAL MEAN	394		517		405	
HIGHEST ANNUAL MEAN					691	1976
LOWEST ANNUAL MEAN					173	1965
HIGHEST DAILY MEAN	3510	Apr 2	3890	Apr 5	13300	Mar 18 1936
LOWEST DAILY MEAN	23	Aug 31	43	Sep 30	3.8	Jul 3 1933
ANNUAL SEVEN-DAY MINIMUM	23	Aug 31	72	Sep 24	14	Sep 25 1967
INSTANTANEOUS PEAK FLOW			4000	Apr 5	a 24400	Sep 21 1938
INSTANTANEOUS PEAK STAGE			7.36	Apr 5	17.68	Sep 21 1938
10 PERCENT EXCEEDS	901		1220		932	
50 PERCENT EXCEEDS	246		322		208	
90 PERCENT EXCEEDS	38		128		56	

a From rating curve extended above 6,200 ft^3/s as explained above.
e Estimated.

01152500 SUGAR RIVER AT WEST CLAREMONT, NH

LOCATION.--Lat 43°23'15", long 72°21'45", Sullivan County, Hydrologic Unit 01080104, on right bank, 0.2 mi downstream from Redwater Brook at West Claremont, and 2.4 mi upstream from mouth.
DRAINAGE AREA.--269 mi^2.
PERIOD OF RECORD.--Discharge records: May 1928 to current year. Published as "at Claremont" prior to October 1928. Water-quality records: Water year 1954, 1995-96
REVISED RECORDS.--WSP 711: 1930(M). WSP 756: Drainage area. WSP 1901: 1960 (adjusted figures only).
GAGE.--Water-stage recorder. Datum of gage is 358.78 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to October 1, 1928, nonrecording gage at site 0.8 mi upstream at different datum.
REMARKS.--Records good except those for the period of Aug. 4 to Sept. 30, which are fair, and those for estimated daily discharges, which are poor. Regulation by Sunapee Lake 25 mi upstream and occasional diurnal fluctuation at low flow by mills upstream; greater regulation by mills prior to 1971.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,000 ft^3/s, March 19, 1936, gage height, 10.92 ft, from rating curve extended above 6,700 ft^3/s on basis of computations of flow over dam at gage heights 10.49 ft and 10.92 ft; maximum gage height, 11.80 ft, March 12, 1936 (ice jam); minimum daily discharge, 14 ft^3/s, August 26, 1965.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	Unknown	Ice Jam	* 8.31	Apr. 4	1845	3,510	5.23
Mar. 28	2115	* 4,350	5.83	Apr. 9	2145	4,250	5.76

Minimum daily discharge, 55 ft^3/s, September 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	699	321	369	e163	e220	e1350	1150	761	253	348	e1540	75
2	538	315	311	e163	e215	1050	1030	729	233	287	e925	71
3	455	536	295	192	e201	904	1130	670	221	250	e705	71
4	488	586	302	410	e207	765	2640	575	201	234	599	73
5	603	492	345	976	e199	665	2580	518	194	191	503	72
6	525	449	334	552	e195	582	1740	502	212	166	423	71
7	458	410	365	477	e191	552	1260	485	770	148	397	66
8	408	379	365	383	e181	639	1030	450	623	136	445	64
9	376	320	322	334	e181	910	2670	364	462	139	411	62
10	361	288	294	349	e182	1680	3020	396	401	284	381	62
11	385	299	295	823	e184	1190	2050	1260	337	270	337	59
12	363	280	277	690	e181	929	1610	958	365	195	285	55
13	335	277	257	504	e179	879	1290	760	388	156	266	62
14	346	279	248	343	e313	729	1070	751	391	116	253	60
15	370	293	249	e280	e341	704	904	640	373	104	264	86
16	351	284	264	e230	e270	867	823	542	337	192	337	108
17	333	265	302	214	e238	1280	734	409	320	524	384	103
18	315	251	273	e220	e233	964	602	389	396	406	330	89
19	205	243	e190	e217	e229	806	578	507	363	279	295	79
20	192	245	e200	e216	e226	729	560	463	315	222	254	95
21	206	294	406	e215	e222	714	612	412	277	185	222	119
22	202	303	420	209	e216	782	1210	396	251	174	144	100
23	361	286	e310	e207	e232	934	1550	379	208	150	123	87
24	564	275	e250	e207	e342	1170	1410	547	192	131	119	86
25	427	281	e185	e212	e412	1260	1110	716	184	122	117	85
26	352	336	e189	e209	e453	1420	951	615	280	111	108	84
27	387	641	e189	e208	e505	1400	1130	478	497	157	101	84
28	385	787	160	e207	e874	2680	1210	401	400	190	95	83
29	363	556	e161	e205	e1450	3070	1040	352	283	176	88	68
30	344	434	e165	e213	---	1990	885	314	385	292	84	73
31	331	---	e165	e214	---	1460	---	282	---	1080	79	---
TOTAL	12028	11005	8457	10042	9072	35054	39579	17021	10112	7415	10614	2352
MEAN	388	367	273	324	313	1131	1319	549	337	239	342	78.4
MAX	699	787	420	976	1450	3070	3020	1260	770	1080	1540	119
MIN	192	243	160	163	179	552	560	282	184	104	79	55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	218	349	361	324	331	685	1280	641	314	174	137	134
MAX	895	917	1146	1090	1343	2490	2746	1657	818	711	952	1269
(WY)	1976	1996	1997	1978	1981	1936	1969	1940	1940	1973	1990	1938
MIN	39.2	66.9	92.9	84.7	74.5	108	359	179	67.5	26.2	29.3	44.7
(WY)	1984	1972	1948	1948	1942	1940	1995	1965	1965	1965	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	140286		172751			
ANNUAL MEAN	384		472		411	
HIGHEST ANNUAL MEAN					660	1976
LOWEST ANNUAL MEAN					139	1965
HIGHEST DAILY MEAN	5290	Sep 17	3070	Mar 29	11200	Mar 19 1936
LOWEST DAILY MEAN	20	Sep 1	55	Sep 12	14	Aug 26 1965
ANNUAL SEVEN-DAY MINIMUM	24	Aug 7	61	Sep 8	21	Aug 22 1965
INSTANTANEOUS PEAK FLOW			4350	Mar 28	a 14000	Mar 19 1936
INSTANTANEOUS PEAK STAGE			bc 8.31	Feb 28	b 11.80	Mar 12 1936
10 PERCENT EXCEEDS	796		1030		985	
50 PERCENT EXCEEDS	265		332		210	
90 PERCENT EXCEEDS	30		110		69	

a From rating curve extended above 6,700 ft^3/s as explained above.
b Ice jam.
c From peak stage indicator.
e Estimated.

01153550 WILLIAMS RIVER NEAR ROCKINGHAM, VT

LOCATION.--Lat 43°11'30", long 72°29'08", Windham County, Hydrologic Unit 01080107, on left bank, 50 ft downstream from highway bridge on Parker Hill Road, 0.2 mi downstream from Divoll Brook, 0.35 mi northeast of Rockingham, 2.2 mi upstream from mouth, and 4.5 mi northwest of Bellows Falls.
DRAINAGE AREA.--112 mi^2.
PERIOD OF RECORD.--Discharge records: October 1986 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 300 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges which are poor. Low flow regulated by powerplant upstream October 1986 to September 1992.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1938 had greatest discharge since at least 1753.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1215	* 7,100	* 9.07	Apr. 4	1030	2,900	6.81

Minimum discharge, 33 ft^3/s, September 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	219	110	207	e82	e83	369	489	265	134	62	606	58
2	137	107	186	e80	e82	333	475	294	122	52	366	54
3	110	567	183	e110	e81	289	680	255	124	46	281	59
4	181	277	195	e390	e77	258	1930	224	104	51	210	58
5	212	207	196	e650	e75	241	1050	213	97	64	156	52
6	162	180	181	299	e72	233	642	252	270	48	131	46
7	131	160	175	264	e75	250	511	221	1080	42	207	44
8	114	148	157	217	e72	369	458	190	351	39	302	42
9	114	139	147	192	e72	559	1030	177	257	58	177	39
10	113	136	144	277	e75	891	699	247	218	398	165	38
11	120	127	169	586	e75	480	540	574	173	125	258	36
12	101	117	145	387	e75	445	519	313	224	75	839	35
13	92	122	135	242	e72	376	430	303	201	57	346	65
14	108	126	132	147	e210	313	391	397	311	48	299	48
15	112	137	142	e130	e235	328	388	269	244	50	322	98
16	96	124	187	e125	e135	559	356	223	199	481	308	81
17	91	112	196	e120	e110	773	305	206	172	683	236	52
18	86	104	148	e110	e99	432	279	243	160	292	187	45
19	79	102	116	e98	e94	363	268	364	156	173	161	40
20	85	106	e160	e94	e92	341	249	289	128	126	131	79
21	97	133	e320	e100	e88	365	480	245	110	102	114	65
22	88	117	232	e88	e88	430	918	238	108	96	102	47
23	513	110	166	e79	e96	561	670	223	93	79	110	42
24	312	105	e150	e79	e170	717	491	700	79	68	245	57
25	209	102	e135	e85	e290	683	390	500	72	60	133	54
26	175	176	e120	e87	e250	882	356	343	82	55	104	45
27	152	1040	e105	e83	e300	722	508	268	101	66	89	42
28	136	471	e100	e81	e800	2950	436	224	82	68	81	38
29	128	307	e95	e79	593	1220	351	198	64	61	70	36
30	120	248	e90	e79	---	757	299	174	70	134	65	35
31	115	---	e85	e85	---	578	---	153	---	1120	62	---
TOTAL	4508	6017	4899	5525	4636	18067	16588	8785	5586	4879	6863	1530
MEAN	145	201	158	178	160	583	553	283	186	157	221	51.0
MAX	513	1040	320	650	800	2950	1930	700	1080	1120	839	98
MIN	79	102	85	79	72	233	249	153	64	39	62	35
CFSM	1.30	1.79	1.41	1.59	1.43	5.20	4.94	2.53	1.66	1.41	1.98	.46
IN.	1.50	2.00	1.63	1.84	1.54	6.00	5.51	2.92	1.86	1.62	2.28	.51

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

MEAN	131	198	179	173	150	423	637	292	142	71.0	57.6	64.8
MAX	461	382	443	441	306	850	1199	544	440	227	221	282
(WY)	1988	1996	1997	1996	1997	1990	1994	1996	1998	1996	2000	1987
MIN	29.4	59.2	78.2	58.7	51.0	184	156	90.4	34.9	16.6	15.7	13.4
(WY)	1994	1999	1990	1989	1993	1994	1995	1995	1995	1999	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
ANNUAL TOTAL	66682.6		87883			
ANNUAL MEAN	183		240		210	
HIGHEST ANNUAL MEAN					283	1996
LOWEST ANNUAL MEAN					111	1995
HIGHEST DAILY MEAN	2980	Mar 22	2950	Mar 28	6670	Mar 31 1987
LOWEST DAILY MEAN	7.3	Aug 6	a 35	Sep 12	6.9	Sep 7 1995
ANNUAL SEVEN-DAY MINIMUM	8.0	Aug 2	40	Sep 6	7.5	Sep 2 1995
INSTANTANEOUS PEAK FLOW			7100	Mar 28	b 11500	Mar 31 1987
INSTANTANEOUS PEAK STAGE			9.07	Mar 28	10.59	Mar 31 1987
INSTANTANEOUS LOW FLOW			33	Sep 12	c 7.0	Aug 4 1999
ANNUAL RUNOFF (CFSM)	1.63		2.14		1.87	
ANNUAL RUNOFF (INCHES)	22.15		29.19		25.45	
10 PERCENT EXCEEDS	326		515		464	
50 PERCENT EXCEEDS	117		151		105	
90 PERCENT EXCEEDS	13		60		24	

a Also occurred on September 30.
b From rating curve extended above 3,800 ft^3/s.
c Also occurred on August 6-8, 1999.
e Estimated.

01154500 CONNECTICUT RIVER AT NORTH WALPOLE, NH

LOCATION.--Lat 43°07'34", long 72°26'14", Cheshire County, Hydrologic Unit 01080104, on left bank, at North Walpole, 100 ft upstream from Saxtons River, 0.7 mi downstream from Vilas Bridge between Bellows Falls, VT, and North Walpole, and at mile 172.5.
DRAINAGE AREA.--5,493 mi^2, includes that of Saxtons River.
PERIOD OF RECORD.--Discharge records: March 1942 to current year.
Water-quality records: Water years 1975 to September 1980 (published as "at Walpole"), October 1980.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1980 to September 1981.
WATER TEMPERATURES: October 1980 to September 1981.
GAGE.--Water-stage recorder. Datum of gage is 218.63 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplants and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, and other reservoirs, combined usable capacity, about 24.8 billion ft^3.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1750, 43.8 ft, March 19, 1936, from floodmarks.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 61,600 ft^3/s, April 5, gage height, 27.79 ft; minimum daily discharge, 1,360 ft^3/s, September 4.

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	6300	7540	17200	5580	e5210	e20500	30300	18400	9160	2420	16100	3490
2	9220	8380	12100	3880	e2560	15600	25800	16300	8480	2530	11000	2700
3	7140	8650	7490	3900	e5590	15600	27400	16900	7280	2730	6880	1780
4	5420	10200	8280	8310	e4710	15300	47400	15600	6810	2130	5740	1360
5	7090	7980	8420	22500	e3790	12900	60300	14900	6990	2920	4570	2260
6	8640	10000	9830	15900	e2120	11600	51400	15200	8180	3480	4930	3390
7	6990	7620	9930	11800	e3170	9720	42600	15900	15100	4680	6260	3300
8	7670	8550	9710	10500	e4160	9910	36000	16600	12200	3260	6670	1620
9	5830	6920	9350	8870	e4990	12600	37800	17900	9550	2790	6210	1590
10	4790	7720	9310	11000	e4540	31100	52900	26100	8500	5380	8200	1670
11	6040	6210	9360	11800	e3890	29300	49400	38300	6600	5100	4730	2690
12	7460	6260	8840	14700	e3200	22600	41900	45400	7940	4960	6370	3050
13	5290	4320	7630	11400	e2430	18700	32200	43900	7580	4770	4630	3440
14	7450	6190	7710	9860	e3660	13700	25500	44200	7270	2930	4540	2680
15	7170	4480	7410	9540	e3800	13900	25300	41400	9250	1580	4980	3060
16	7380	8150	6560	e4980	e4790	18200	25600	33600	8020	2940	5860	2900
17	8180	7060	8310	e5890	e3440	22400	23500	23500	6990	12800	5900	4270
18	8760	7620	8780	e7240	e4630	14700	23900	20000	4190	10900	5770	4950
19	7970	7250	6750	e8120	e3640	13100	22200	22600	6320	7390	4830	5580
20	7920	7240	8330	e6020	e2660	13200	21100	23600	7680	4280	3220	6370
21	6910	5790	6750	e6710	e3170	13800	22600	19700	6000	3980	5190	4770
22	6020	6350	7840	e7780	e4210	15100	26700	17600	6200	3130	3240	3100
23	8560	9110	8020	e6320	e3070	18100	32000	14200	5530	2900	3760	1810
24	16800	10200	7820	e4090	e3720	20900	32900	14000	2280	4440	3210	2030
25	21700	8430	8180	e5240	e5080	23600	31200	18400	2790	3150	4970	3780
26	18300	8200	6410	e6400	7260	24400	28400	16200	5490	2030	3000	3240
27	14600	17300	6390	e5600	11700	24400	26900	14800	8720	3370	3890	3950
28	11200	28200	5220	e6600	16300	33900	25800	13300	8850	2910	3910	3480
29	8590	23800	4940	e7860	e27000	47900	23000	12400	5390	1400	2470	1690
30	8940	17900	4040	e3700	---	46000	18400	11900	2460	4580	3420	1990
31	8950	---	4310	e3870	---	39700	---	10800	---	10800	4830	---
TOTAL	273280	283620	251220	255960	158490	642430	970400	673600	217800	132660	169280	91990
MEAN	8815	9454	8104	8257	5465	20720	32350	21730	7260	4279	5461	3066
MAX	21700	28200	17200	22500	27000	47900	60300	45400	15100	12800	16100	6370
MIN	4790	4320	4040	3700	2120	9720	18400	10800	2280	1400	2470	1360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

MEAN	6284	8664	8467	7162	7142	13700	27210	16490	8070	4641	3960	3835
MAX	18300	18420	22550	17930	21810	34150	45630	33380	20600	18930	12990	14820
(WY)	1978	1960	1984	1996	1981	1979	1969	1972	1947	1973	1990	1954
MIN	1424	2886	2124	1866	2736	4532	7803	6477	3082	1845	1461	1555
(WY)	1949	1948	1948	1948	1980	1956	1995	1965	1999	1965	1942	1995

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**		**WATER YEARS 1942 - 2000**	
ANNUAL TOTAL	3290220		4120730			
ANNUAL MEAN	9014		11260		9635	
HIGHEST ANNUAL MEAN					14630	1996
LOWEST ANNUAL MEAN					4991	1965
HIGHEST DAILY MEAN	44100	Apr 2	60300	Apr 5	88300	Mar 28 1953
LOWEST DAILY MEAN	1300	Sep 1	1360	Sep 4	a 115	Aug 31 1952
ANNUAL SEVEN-DAY MINIMUM	1400	Aug 5	2170	Sep 4	777	Aug 7 1970
INSTANTANEOUS PEAK FLOW			61600	Apr 5	97000	Mar 27 1953
INSTANTANEOUS PEAK STAGE			22.79	Apr 5	30.37	Mar 27 1953
10 PERCENT EXCEEDS	18600		25500		21400	
50 PERCENT EXCEEDS	7630		7600		6250	
90 PERCENT EXCEEDS	1740		3040		2020	

a Also occurred on September 2, 1957.
e Estimated.

01155500 WEST RIVER AT JAMAICA, VT

LOCATION.--Lat 43°06'32", long 72°46'33", Windham County, Hydrologic Unit 01080107, on left bank, 0.2 mi upstream from Depot Street bridge in Jamaica, 0.4 mi upstream from Ball Mountain Brook, and 2.8 mi downstream from Ball Mountain Dam.
DRAINAGE AREA.--179 mi^2.
PERIOD OF RECORD.--Discharge records: October 1946 to September 1989, October 1995 to current year. Water-quality records: Water year 1954.
REVISED RECORDS.--WDR NH-VT-97-1: 1994 (M), 1996 (M).
GAGE.--Water-stage recorder. Elevation of gage is 640 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated since 1961 by Ball Mountain Reservoir.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,500 ft^3/s, December 31, 1948, gage height, 14.87 ft, from rating curve extended above 9,800 ft^3/s on basis of slope-area measurement of peak flow; minimum daily, 0.94 ft^3/s, September 23, 24, 1968. Maximum discharge since construction of Ball Mountain Dam in 1961, 5,840 ft^3/s, April 23, 1996, gage height, 9.47 ft; maximum gage height, 11.72 ft, February 7, 1982 (ice jam).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,660 ft^3/s, March 29, gage height, 9.00 ft; maximum gage height, 12.22 ft, February 28 (ice jam); minimum daily discharge, 51 ft^3/s, September 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	151	175	525	e115	e125	1260	819	774	194	90	1530	79
2	149	152	349	e115	e130	818	681	605	155	89	1150	90
3	148	681	251	e150	e128	532	841	487	193	88	699	90
4	158	944	255	960	e130	e435	2870	368	126	88	383	91
5	165	571	263	2550	e125	370	3690	357	135	88	231	90
6	164	411	313	2050	e122	313	1890	426	183	88	151	90
7	163	383	364	949	e115	e293	1380	358	772	87	185	89
8	162	206	348	372	e110	377	749	312	586	86	846	79
9	162	207	265	338	e110	571	807	263	572	89	965	69
10	162	191	217	393	e110	1440	939	e305	523	527	492	69
11	164	158	232	777	e108	1250	976	e1120	419	611	204	63
12	163	162	241	707	e95	871	848	e680	432	229	354	53
13	162	166	243	364	e93	854	678	570	431	143	460	52
14	163	168	299	e270	e105	673	519	792	460	147	541	51
15	164	174	300	e105	e130	499	436	545	534	1000	755	54
16	670	e180	258	e115	e240	549	462	400	566	1110	721	52
17	698	e195	251	e120	e310	1100	561	363	552	2250	542	52
18	134	e190	225	e120	e195	947	597	370	537	2510	439	52
19	131	e180	e210	e150	e140	805	592	993	418	1550	198	52
20	119	e165	e115	e160	e140	741	583	710	319	776	155	56
21	98	e175	263	e130	e150	564	604	509	240	349	154	54
22	100	174	504	e110	e150	540	666	458	182	236	153	52
23	158	174	388	e115	e150	773	1130	431	145	173	158	53
24	165	163	e170	e120	e165	1030	1350	812	143	118	342	55
25	782	143	e135	e115	e280	1110	1290	1300	142	91	416	54
26	1230	157	e95	e120	e350	1170	829	e1040	106	91	370	54
27	861	481	e155	e120	e375	1410	600	e650	92	92	212	54
28	439	937	e195	e120	e1040	1030	1000	e410	91	91	105	54
29	285	1490	e145	e122	1650	2190	1180	e300	90	92	62	54
30	215	1240	e110	e120	---	3820	1020	e270	92	148	62	687
31	211	---	e110	e125	---	1910	---	223	---	965	62	---
TOTAL	8696	10793	7794	12197	7071	30245	30587	17201	9430	14092	13097	2544
MEAN	281	360	251	393	244	976	1020	555	314	455	422	84.8
MAX	1230	1490	525	2550	1650	3820	3690	1300	772	2510	1530	687
MIN	98	143	95	105	93	293	436	223	90	86	62	51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1989, 1996 - 2000, BY WATER YEAR (WY)

MEAN	241	352	349	280	277	572	1269	586	248	135	106	123
MAX	916	787	862	749	1009	1486	2290	1499	831	822	909	606
(WY)	1988	1989	1984	1998	1981	1953	1969	1972	1984	1973	1976	1987
MIN	16.9	65.0	78.7	65.3	42.0	107	499	192	35.8	14.2	11.3	12.5
(WY)	1948	1965	1948	1981	1980	1956	1985	1964	1964	1965	1999	1948

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 1989, 1996 - 2000	
ANNUAL TOTAL	125713.8		163747			
ANNUAL MEAN	344		447		378	
HIGHEST ANNUAL MEAN					611	1976
LOWEST ANNUAL MEAN					161	1965
HIGHEST DAILY MEAN	2670	Apr 2	3820	Mar 30	15500	Dec 31 1948
LOWEST DAILY MEAN	3.7	Aug 13	51	Sep 14	.94	Sep 23 1968
ANNUAL SEVEN-DAY MINIMUM	4.4	Aug 11	52	Sep 13	1.1	Sep 18 1968
INSTANTANEOUS PEAK FLOW			4660	Mar 29	a 29500	Dec 31 1948
INSTANTANEOUS PEAK STAGE			bc 12.22	Feb 28	14.87	Dec 31 1948
10 PERCENT EXCEEDS	869		1020		953	
50 PERCENT EXCEEDS	189		242		169	
90 PERCENT EXCEEDS	17		90		32	

a From rating curve extended above 9,800 ft^3/s on basis of slope-area measurement of peak flow.
b Ice Jam.
c From peak stage indicator.
e Estimated.

01155910 WEST RIVER BELOW TOWNSHEND DAM NEAR TOWNSHEND, VT

LOCATION.--Lat 43°03'04", long 72°42'02", Windham County, Hydrologic Unit 01080107, on left bank, 150 ft below Townshend Dam, 1.9 mi northwest of Townshend, 2.2 mi upstream from Mills Brook, and 18.2 mi upstream from mouth.
DRAINAGE AREA.--282 mi^2.
PERIOD OF RECORD.--Discharge records: October 1994 to current year. Records for September 1919 to September 1923, October 1928 to September 1989, at site 5.5 mi downstream (station 01156000) are not equivalent because of difference in drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 463 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges and those for the period of July 6 to September 30, which are fair. Flow regulated since 1961 by Ball Mountain Reservoir and Townshend Reservoir. These reservoirs have a combined usable capacity of about 3.84 billion ft^3.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,000 ft^3/s, April 6, gage height, 8.16 ft; minimum daily discharge, 95 ft^3/s, September 29.

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	464	290	770	203	207	1870	2280	1110	325	181	1360	149
2	335	259	562	202	216	880	1230	856	273	162	1050	150
3	289	1660	425	252	213	1470	1200	742	299	154	923	156
4	365	1450	429	1600	215	1330	1900	560	242	154	646	154
5	438	864	432	3460	209	618	3970	528	243	149	378	148
6	369	639	452	3120	204	554	4910	651	373	144	269	142
7	325	567	512	1580	192	520	3110	555	2020	140	369	140
8	299	396	491	611	185	683	1030	467	1090	136	1300	134
9	300	354	429	532	183	1080	1140	417	924	143	1250	116
10	304	337	353	605	183	2480	2140	473	803	560	773	113
11	313	299	421	1330	180	2300	1620	1760	e600	738	408	109
12	292	288	396	1210	159	1540	1370	1080	e630	313	1120	96
13	272	289	377	e550	154	1440	1080	872	599	203	856	117
14	268	289	411	e430	189	1130	861	1140	772	209	842	105
15	269	301	443	235	310	892	799	873	773	983	1150	129
16	750	312	411	e260	349	1190	818	694	771	1380	1140	131
17	623	338	429	e240	410	2300	836	469	758	2720	835	108
18	237	325	358	228	369	1710	853	480	719	3890	647	100
19	216	308	300	251	230	1340	820	1520	595	1930	389	96
20	235	265	232	273	222	1200	805	1090	461	1040	287	148
21	253	287	553	267	218	969	961	751	363	541	266	124
22	224	279	740	187	216	940	1400	706	286	362	294	106
23	723	272	610	186	219	1280	1890	652	255	273	227	103
24	623	265	298	203	265	1740	2320	1330	241	216	505	116
25	856	245	218	192	525	1840	2270	e2100	226	169	524	116
26	1460	310	187	199	794	2120	1380	e1870	204	163	471	107
27	1100	1460	224	199	758	2280	1040	e900	206	190	313	102
28	594	1980	271	200	1790	1770	1470	e690	189	197	217	98
29	410	2050	225	202	2480	2730	1720	e540	172	190	122	95
30	334	1710	209	199	---	4910	1370	e365	192	224	124	682
31	320	---	206	204	---	4030	---	369	---	998	106	---
TOTAL	13860	18688	12374	19410	11844	51136	48593	26610	15604	18852	19161	4190
MEAN	447	623	399	626	408	1650	1620	858	520	608	618	140
MAX	1460	2050	770	3460	2480	4910	4910	2100	2020	3890	1360	682
MIN	216	245	187	186	154	520	799	365	172	136	106	95

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

MEAN	355	613	551	836	476	1117	1754	838	353	250	163	165
MAX	892	1134	1143	1163	832	1650	2602	1517	967	608	618	510
(WY)	1996	1996	1997	1998	1996	2000	1996	1996	1998	2000	2000	1999
MIN	108	199	246	626	234	571	474	269	87.6	51.7	31.4	35.4
(WY)	1998	1999	1996	2000	1995	1996	1995	1995	1999	1995	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	209579		260322			
ANNUAL MEAN	574		711		622	
HIGHEST ANNUAL MEAN					816	1996
LOWEST ANNUAL MEAN					378	1995
HIGHEST DAILY MEAN	4700	Mar 23	a 4910	Mar 30	6570	Apr 7 1998
LOWEST DAILY MEAN	16	Aug 13	95	Sep 29	2.3	Sep 9 1995
ANNUAL SEVEN-DAY MINIMUM	18	Aug 7	105	Sep 23	6.4	Sep 8 1995
INSTANTANEOUS PEAK FLOW			6000	Apr 6	8050	Apr 24 1996
INSTANTANEOUS PEAK STAGE			8.16	Apr 6	8.89	Apr 24 1996
10 PERCENT EXCEEDS	1430		1710		1650	
50 PERCENT EXCEEDS	325		411		289	
90 PERCENT EXCEEDS	34		154		47	

a Also occurred April 6.
e Estimated.

01158000 ASHUELOT RIVER BELOW SURRY MOUNTAIN DAM, NEAR KEENE, NH

LOCATION.--Lat 42°59'40", long 72°18'40", Cheshire County, Hydrologic Unit 01080201, on right bank, 600 ft downstream from Surry Mountain Dam, 2.5 mi upstream from Sturtevant Brook, 4.5 mi north of Keene, and at mile 34.0.
DRAINAGE AREA.--101 mi^2.
PERIOD OF RECORD.--Discharge records: September 1945 to September 1989, October 1995 to current year. Annual maximums and measurements, water years 1990-95.
GAGE.--Water-stage recorder and concrete control. Elevation of gage is 480.00 ft above sea level (levels by U.S. Army Corps of Engineers).
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Surry Mountain Dam.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,080 ft^3/s, March 29, gage height, 8.60 ft; minimum daily discharge, 16 ft^3/s, September 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	210	202	203	79	71	784	662	297	127	112	207	28
2	228	193	178	79	76	623	440	268	107	99	246	26
3	203	235	169	69	80	461	327	234	96	92	228	25
4	191	273	158	60	75	416	490	173	81	87	269	25
5	245	252	153	173	74	353	403	124	71	75	261	23
6	249	228	151	223	73	300	376	218	69	61	199	22
7	228	208	172	225	73	270	429	169	171	53	180	20
8	200	193	194	225	64	274	581	137	276	46	314	19
9	172	166	183	129	61	330	576	125	284	42	295	19
10	168	120	166	128	61	435	728	126	249	64	242	18
11	218	98	160	376	61	458	794	276	199	80	195	17
12	211	87	147	438	61	467	781	348	167	83	219	16
13	154	82	136	225	61	472	752	334	160	75	219	20
14	134	80	128	112	61	466	707	306	160	64	180	21
15	142	84	128	112	98	455	580	258	164	52	154	27
16	137	87	134	112	112	443	355	216	158	61	138	37
17	128	85	144	113	112	655	272	183	144	97	132	40
18	121	81	140	112	111	759	234	159	138	159	122	37
19	112	78	122	111	110	566	212	191	130	201	110	32
20	112	77	109	95	110	438	198	232	119	180	96	39
21	135	89	174	72	108	374	195	232	102	138	83	52
22	143	102	230	65	107	352	273	217	90	105	71	62
23	176	102	206	65	75	364	388	200	80	81	63	113
24	255	99	173	65	83	406	423	216	70	64	62	204
25	249	100	128	65	83	456	429	302	60	54	61	218
26	215	102	105	65	85	498	426	345	57	44	56	189
27	193	169	e94	65	88	538	420	313	152	45	50	161
28	196	297	e91	70	384	605	414	263	199	45	45	140
29	217	280	83	71	740	937	407	218	177	44	39	122
30	216	233	80	71	---	1060	366	181	139	43	35	108
31	209	---	79	71	---	906	---	152	---	77	31	---
TOTAL	5767	4482	4518	3941	3358	15921	13638	7013	4196	2523	4602	1880
MEAN	186	149	146	127	116	514	455	226	140	81.4	148	62.7
MAX	255	297	230	438	740	1060	794	348	284	201	314	218
MIN	112	77	79	60	61	270	195	124	57	42	31	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1989, 1996 - 2000, BY WATER YEAR (WY)

MEAN	102	162	177	151	156	284	549	283	134	55.2	40.9	53.0
MAX	453	577	512	383	423	661	1022	632	634	229	334	233
(WY)	1978	1996	1997	1978	1981	1979	1960	1956	1984	1973	1986	1960
MIN	4.39	4.04	22.7	21.2	28.1	88.5	167	90.6	13.5	5.77	4.88	9.63
(WY)	1965	1965	1965	1981	1980	1956	1946	1986	1964	1965	1965	1957

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1945 - 1989, 1996 - 2000	
ANNUAL TOTAL	63360.8		71839			
ANNUAL MEAN	174		196		179	
HIGHEST ANNUAL MEAN					279	1960
LOWEST ANNUAL MEAN					57.3	1965
HIGHEST DAILY MEAN	918	Mar 24	1060	Mar 30	2150	Apr 7 1987
LOWEST DAILY MEAN	2.0	Aug 7	16	Sep 12	.40	Sep 17 1964
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 5	18	Sep 7	.67	Aug 1 1965
INSTANTANEOUS PEAK FLOW			1080	Mar 29	2260	Apr 7 1987
INSTANTANEOUS PEAK STAGE			8.60	Mar 29	a 11.78	Apr 7 1987
10 PERCENT EXCEEDS	431		427		521	
50 PERCENT EXCEEDS	120		146		90	
90 PERCENT EXCEEDS	9.6		55		14	

a From floodmarks.
e Estimated.

01158600 OTTER BROOK BELOW OTTER BROOK DAM NEAR KEENE, NH

LOCATION.--Lat 42°56'45", long 72°14'14", Cheshire County, Hydrologic Unit 01080201, on right bank, 450 ft downstream from Otter Brook Dam, 2.0 mi northeast of Keene, 2.4 mi upstream from Minnewawa Brook, and 4.9 mi upstream from mouth.
DRAINAGE AREA.--47.2 mi^2.
PERIOD OF RECORD.--Discharge records: May 1958 to September 1989, October 1995 to current year. Annual maximums and measurements, water years 1990-95.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 658.65 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to September 29, 1933, nonrecording gage on highway bridge at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Otter Brook Lake.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 587 ft^3/s, March 17, gage height, 8.36 ft; minimum daily discharge, 7.2 ft^3/s, September 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	67	52	64	23	e38	403	201	150	51	27	85	11
2	54	50	53	23	e36	335	196	110	47	22	68	11
3	44	119	51	32	31	218	160	98	48	20	62	12
4	67	121	50	52	29	158	152	87	38	21	104	13
5	115	93	50	112	23	156	239	80	30	19	77	13
6	100	77	51	138	23	114	281	80	34	16	55	12
7	78	67	79	110	23	92	203	74	148	14	59	10
8	63	56	89	81	23	93	165	61	156	12	108	9.6
9	61	47	71	80	23	139	173	55	106	12	108	9.0
10	77	45	62	79	23	182	407	63	81	31	93	8.2
11	90	44	62	81	23	188	409	163	e65	31	71	7.6
12	80	41	55	99	23	191	269	142	e67	23	103	7.2
13	70	41	51	114	23	289	178	114	e70	17	91	9.9
14	78	42	48	101	23	245	126	105	68	14	72	13
15	89	47	50	83	61	193	202	85	65	13	66	15
16	77	44	54	81	82	191	241	71	60	29	61	24
17	71	40	61	79	55	427	223	63	58	52	55	23
18	70	35	54	42	39	388	201	65	76	52	47	17
19	67	34	44	22	39	294	116	113	70	43	41	13
20	67	35	e41	e22	39	227	67	112	58	30	34	19
21	83	46	90	e24	39	181	62	98	47	23	29	34
22	78	47	97	24	39	169	70	94	48	21	24	28
23	106	44	72	24	39	157	81	86	60	18	21	22
24	133	42	57	23	38	185	341	114	47	15	27	145
25	108	42	41	23	51	198	243	158	38	14	26	103
26	88	45	38	23	69	198	175	142	35	12	22	64
27	77	102	29	32	70	e255	175	110	47	16	18	47
28	70	138	23	39	220	e300	180	90	47	20	16	39
29	65	102	23	39	380	e465	183	76	38	19	14	34
30	61	78	23	38	---	480	180	66	32	17	13	31
31	56	---	23	38	---	276	---	58	---	46	12	---
TOTAL	2410	1816	1656	1781	1624	7387	5899	2983	1835	719	1682	804.5
MEAN	77.7	60.5	53.4	57.5	56.0	238	197	96.2	61.2	23.2	54.3	26.8
MAX	133	138	97	138	380	480	409	163	156	52	108	145
MIN	44	34	23	22	23	92	62	55	30	12	12	7.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1989, 1996 - 2000, BY WATER YEAR (WY)

MEAN	46.9	73.9	77.9	65.4	72.0	138	250	116	59.4	28.5	21.6	24.2
MAX	158	242	272	185	223	368	447	256	312	120	157	114
(WY)	1978	1996	1997	1978	1984	1979	1987	1969	1984	1973	1986	1999
MIN	.86	3.20	12.8	8.97	14.3	29.8	88.6	34.4	3.78	2.65	2.21	.77
(WY)	1965	1965	1965	1981	1965	1965	1985	1999	1964	1965	1963	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 1989, 1996 - 2000	
ANNUAL TOTAL	26051.4		30596.5			
ANNUAL MEAN	71.4		83.6		81.1	
HIGHEST ANNUAL MEAN					126	1960
LOWEST ANNUAL MEAN					23.2	1965
HIGHEST DAILY MEAN	493	Sep 19	480	Mar 30	685	Apr 10 1987
LOWEST DAILY MEAN	2.0	Aug 6	7.2	Sep 12	.30	Sep 27 1964
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 4	8.8	Sep 7	.30	Oct 12 1964
INSTANTANEOUS PEAK FLOW			587	Mar 17	a 752	Apr 9 1987
INSTANTANEOUS PEAK STAGE			8.36	Mar 17	8.62	Apr 9 1987
INSTANTANEOUS LOW FLOW			7.2	Sep 12		
10 PERCENT EXCEEDS	181		186		208	
50 PERCENT EXCEEDS	49		61		41	
90 PERCENT EXCEEDS	4.6		19		5.9	

a Includes bypass flow around gage through spillway of the dam structure.
e Estimated.

01160350 ASHUELOT RIVER AT WEST SWANZEY, NH

LOCATION.--Lat 42°52'16", long 72°19'42", Cheshire County, Hydrologic Unit 01080201, on left bank, 150 ft downstream of California/Main Street bridge in West Swanzey, 4.5 mi downstream from South Branch Ashuelot River, 5 mi southwest of Keene, and 14.2 mi upstream from mouth.
DRAINAGE AREA.--316 mi^2.
PERIOD OF RECORD.--Discharge records: April 1994 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 452 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, daily discharges above 1,000 ft^3/s, and daily discharges below 150 ft^3/s, which are poor. Flow regulated by Surry Mountain Lake 20 mi upstream since 1942 and by Otter Brook Lake 16 mi upstream on Otter Brook since 1958. Some regulation by small hydro plants upstream.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,050 ft^3/s, April 10, gage height, 3.03 ft; minimum daily discharge, e68 ft^3/s, September 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	486	443	538	208	210	1810	1270	860	384	250	718	e100
2	491	427	460	209	202	1630	1010	752	357	202	646	e108
3	412	702	423	228	192	1290	845	684	387	179	533	e115
4	454	861	405	305	195	1030	1020	612	345	193	629	e110
5	664	744	397	554	178	944	1140	542	304	e185	557	e100
6	634	639	392	648	177	837	1040	538	299	e170	e485	e94
7	541	563	470	616	174	768	959	563	835	e150	e435	e90
8	463	504	584	526	172	765	980	472	1030	e130	533	e82
9	424	463	535	470	163	853	1270	438	823	e120	610	e78
10	417	414	475	379	166	1110	1850	469	698	140	559	e73
11	478	371	462	784	176	1190	1870	880	568	181	e510	e70
12	491	339	439	909	180	1190	1610	933	467	164	904	e68
13	414	329	405	788	167	1310	1390	832	456	159	1040	e112
14	445	321	380	e444	235	1260	1200	792	462	e150	722	175
15	517	320	391	e394	358	1110	1080	674	461	e140	559	174
16	493	351	417	392	464	1090	971	595	448	e190	486	249
17	465	345	442	359	414	1500	832	505	410	264	437	216
18	462	324	427	295	319	1870	744	470	429	522	e400	166
19	455	305	368	251	302	1590	653	641	419	584	e350	137
20	424	302	316	233	300	1270	571	702	374	441	e300	189
21	477	341	509	217	271	1040	582	665	323	327	e230	292
22	480	335	619	187	261	970	964	629	316	263	e200	257
23	590	328	539	187	251	928	1260	588	374	202	e160	238
24	778	310	444	183	261	957	1290	650	354	e165	e180	447
25	731	327	e340	179	382	1000	1220	795	303	e150	e170	490
26	628	341	e315	181	533	1030	1030	822	268	e130	e160	388
27	549	531	295	188	564	1060	1060	741	326	e150	e140	329
28	516	804	246	201	952	1140	1080	646	424	249	e135	282
29	515	763	210	211	1680	1520	1060	579	414	208	e120	244
30	501	633	226	208	---	1700	986	466	314	165	e110	217
31	466	---	227	215	---	1580	---	418	---	357	e105	---
TOTAL	15861	13780	12696	11149	9899	37342	32837	19953	13372	6880	13123	5690
MEAN	512	459	410	360	341	1205	1095	644	446	222	423	190
MAX	778	861	619	909	1680	1870	1870	933	1030	584	1040	490
MIN	412	302	210	179	163	765	571	418	268	120	105	68

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

MEAN	373	571	593	688	561	1008	1298	725	340	206	152	165
MAX	761	1539	1723	1076	1007	1264	2353	1511	1067	362	423	514
(WY)	1996	1996	1997	1996	1996	1998	1994	1996	1998	1996	2000	1999
MIN	108	160	214	360	341	708	518	316	89.1	91.9	53.0	47.8
(WY)	1998	1995	1999	2000	2000	1997	1995	1995	1999	1999	1999	1995

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**		**WATER YEARS 1994 - 2000**	
ANNUAL TOTAL	167031		192582			
ANNUAL MEAN	458		526		541	
HIGHEST ANNUAL MEAN					781	1996
LOWEST ANNUAL MEAN					380	1995
HIGHEST DAILY MEAN	2350	Mar 5	1870	Mar 18	3340	Dec 3 1996
LOWEST DAILY MEAN	20	Aug 13	e 68	Sep 12	20	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	21	Aug 7	79	Sep 6	21	Aug 7 1999
INSTANTANEOUS PEAK FLOW			2050	Apr 10	3620	Apr 17 1996
INSTANTANEOUS PEAK STAGE			3.03	Apr 10	a 6.30	Mar 7 1999
10 PERCENT EXCEEDS	1040		1040		1460	
50 PERCENT EXCEEDS	351		442		322	
90 PERCENT EXCEEDS	44		166		66	

a Ice jam.
e Estimated.

01161000 ASHUELOT RIVER AT HINSDALE, NH

LOCATION.--Lat 42°47'07", long 72°29'12", Cheshire County, Hydrologic Unit 01080201, on left bank, 40 ft upstream from highway bridge at Hinsdale, 0.2 mi downstream from dam, and 1.2 mi upstream from mouth.
DRAINAGE AREA.--420 mi^2.
PERIOD OF RECORD.--Discharge records: March 1907 to December 1911, July 1914 to current year.
Water-quality records: Water years 1953, 1958, 1968, 1994.
REVISED RECORDS.--WSP 661: Drainage area. WSP 781: 1907- 10, 1914-34. WSP 1301 1915(M), 1917-19(M),1921-33(M). WSP 1701 1920.
GAGE.--Water-stage recorder. Datum of gage is 201.32 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Sep. 29, 1933, nonrecording gage on highway bridge at same datum.
REMARKS.--Records good except those below 350 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Flow regulated by Surry Mountain Lake 33 mi upstream since 1942 and by Otter Brook Lake 29 mi upstream on Otter Brook since 1958. Regulation by small hydro plants upstream.
EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 16,600 ft^3/s, March 19, 1936, by computation of peak flow over dam; maximum gage height, 20.2 ft, March 19, 1936, from floodmarks (backwater from the Connecticut River); minimum daily discharge, 12 ft^3/s, September 15, 1929. Maximum discharge since at least 1859, that of March 19, 1936.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,050 ft^3/s, March 18, gage height, 6.59 ft; maximum gage height, 7.34 ft, January 24 (ice jam); minimum daily discharge, 117 ft^3/s, September 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	706	612	782	e340	e330	2790	1930	1330	532	341	780	174
2	766	581	681	340	e322	e2580	1550	1140	480	297	829	185
3	653	849	607	364	e311	2100	1290	1020	559	269	715	197
4	682	1160	582	509	e314	1650	1480	907	482	287	811	187
5	1030	1030	565	867	e291	1470	1840	814	411	285	831	177
6	1000	866	565	997	e290	1330	1640	738	428	256	673	165
7	847	767	668	924	e287	1200	1460	807	1700	217	562	153
8	726	692	824	818	e287	1180	1380	706	1780	191	639	141
9	664	629	789	742	e274	1300	1830	650	1330	172	823	132
10	647	572	717	657	e278	1750	2690	697	1070	201	854	128
11	695	511	691	1180	e290	1870	2740	1390	864	235	765	123
12	720	454	657	1410	e294	1930	2420	1520	775	227	1540	117
13	645	449	598	1240	e281	2130	2080	1310	749	215	1920	163
14	608	433	564	770	e375	2000	1790	1220	781	204	1350	218
15	730	416	593	825	e610	1770	1600	1040	777	192	1030	239
16	707	431	671	e860	e770	1760	1480	879	729	265	911	289
17	645	441	693	e660	e690	2540	1230	763	640	402	867	286
18	613	414	646	e550	e555	2930	1080	700	654	584	712	236
19	609	396	563	e490	e443	2630	960	879	678	762	593	212
20	586	387	480	e425	e438	2110	833	1030	600	578	494	292
21	654	435	732	e380	e405	1730	842	972	494	445	401	339
22	683	453	932	e315	e390	1550	1550	924	451	377	331	348
23	850	438	845	e310	e379	1460	1990	864	551	321	299	302
24	1130	410	706	e305	e393	1450	1960	964	510	262	307	394
25	1040	424	614	e302	e640	1480	1880	1250	416	217	299	626
26	898	455	e585	e302	e855	1500	1570	1280	358	194	279	527
27	787	716	e510	e310	e890	1510	1640	1130	357	266	249	440
28	707	1100	e445	e328	1550	1640	1700	953	467	376	236	389
29	678	1090	e410	e342	2550	2080	1670	834	487	329	212	338
30	667	918	e375	e336	---	2340	1510	702	411	274	194	307
31	634	---	e355	e339	---	2280	---	598	---	329	182	---
TOTAL	23007	18529	19445	18537	15782	58040	49615	30011	20521	9570	20688	7824
MEAN	742	618	627	598	544	1872	1654	968	684	309	667	261
MAX	1130	1160	932	1410	2550	2930	2740	1520	1780	762	1920	626
MIN	586	387	355	302	274	1180	833	598	357	172	182	117

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 1911, 1914 - 2000, BY WATER YEAR (WY)

MEAN	347	591	658	611	608	1249	1877	991	517	278	227	245
MAX	1474	2248	2209	1539	2016	4392	3723	2175	2075	1182	1098	2394
(WY)	1976	1928	1997	1978	1984	1936	1960	1945	1984	1915	1990	1938
MIN	49.2	55.4	113	84.0	113	273	597	335	96.9	60.8	50.5	53.0
(WY)	1965	1965	1915	1981	1980	1940	1985	1985	1964	1965	1966	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1907 - 1911, 1914 - 2000	
ANNUAL TOTAL	250948		291569			
ANNUAL MEAN	688		797		683	
HIGHEST ANNUAL MEAN					1093	1960
LOWEST ANNUAL MEAN					216	1965
HIGHEST DAILY MEAN	4990	Sep 17	2930	Mar 18	16500	Mar 19 1936
LOWEST DAILY MEAN	33	Aug 13	117	Sep 12	12	Sep 15 1929
ANNUAL SEVEN-DAY MINIMUM	35	Aug 7	137	Sep 7	32	Aug 16 1966
INSTANTANEOUS PEAK FLOW			3050	Mar 18	a 16600	Mar 19 1936
INSTANTANEOUS PEAK STAGE			bc 7.34	Jan 24	d 20.20	Mar 19 1936
10 PERCENT EXCEEDS	1640		1640		1720	
50 PERCENT EXCEEDS	560		654		377	
90 PERCENT EXCEEDS	69		266		97	

a By computation of peak flow over dam from floodmarks (backwater from Connecticut River).
b From peak indicator clip.
c Ice jam.
d From floodmarks.
e Estimated.

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT

LOCATION.--Lat 42°54'47", long 73°15'25", Bennington County, Hydrologic Unit 02020003, on left bank, 0.6 mi downstream from Paran Creek and 1.4 mi south of North Bennington.
DRAINAGE AREA.--111 mi^2.
PERIOD OF RECORD.--Discharge records: June 1931 to current year.
Water-quality records: Water years 1953-54.
REVISED RECORDS.--WSP 781: 1933(M).
GAGE.--Water-stage recorder. Elevation of gage is 525 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional diurnal fluctuation at low flow caused by mills upstream; diurnal fluctuation greater prior to 1960.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0845	2,210	5.86	July 17	0115	* 3,110	* 6.95

Minimum discharge, 76 ft^3/s, July 14, 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	426	195	259	e108	e125	493	316	264	183	209	160	116
2	279	191	230	e110	e120	432	320	260	301	169	140	168
3	234	465	225	e135	e120	353	452	238	371	155	223	291
4	267	300	271	e340	e115	303	820	220	238	165	418	183
5	266	246	287	532	e110	278	719	289	206	142	207	148
6	232	221	272	246	e105	251	459	318	360	121	160	127
7	202	205	299	216	e102	236	390	261	1080	113	221	115
8	184	192	254	191	e98	250	352	226	464	108	355	109
9	295	183	227	178	e94	362	529	212	365	106	248	103
10	272	199	230	207	e90	775	457	388	319	137	423	100
11	298	322	263	340	e94	500	401	664	292	107	614	91
12	245	238	221	254	e90	681	387	404	512	91	1120	101
13	216	215	205	e195	e87	477	345	397	377	83	506	258
14	224	206	198	e170	e180	373	348	478	440	79	494	152
15	215	213	200	e160	e225	357	448	347	341	95	535	207
16	197	190	198	e150	168	417	501	298	284	1080	591	182
17	182	173	193	e142	e125	845	389	265	285	1270	433	132
18	173	162	170	e136	e110	494	354	352	303	398	335	110
19	158	156	147	e130	e110	401	322	513	275	279	286	100
20	201	160	150	e125	109	363	297	410	230	221	246	143
21	214	196	272	e125	104	341	363	335	202	197	216	124
22	184	174	209	e122	103	337	526	312	245	216	195	106
23	747	163	166	e122	112	349	403	287	242	170	239	131
24	536	157	143	e120	161	376	350	451	189	151	358	436
25	366	164	e122	e125	345	384	312	440	180	135	233	254
26	304	210	e118	e132	370	510	296	370	300	123	190	175
27	270	1150	e115	e130	550	413	348	304	261	150	169	148
28	247	526	e110	e125	1560	696	364	272	223	143	154	132
29	230	361	e108	e122	754	626	336	247	188	129	140	120
30	216	303	e108	e120	---	433	295	221	313	148	130	115
31	206	---	e108	e128	---	353	---	201	---	179	123	---
TOTAL	8286	7836	6078	5436	6436	13459	12199	10244	9569	6869	9862	4677
MEAN	267	261	196	175	222	434	407	330	319	222	318	156
MAX	747	1150	299	532	1560	845	820	664	1080	1270	1120	436
MIN	158	156	108	108	87	236	295	201	180	79	123	91

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

MEAN	151	210	213	198	182	323	533	324	179	124	106	117
MAX	418	412	471	425	575	958	1008	742	436	311	481	585
(WY)	1976	1960	1974	1937	1981	1936	1969	1943	1998	1935	1976	1938
MIN	30.9	39.6	94.6	61.6	54.2	68.0	215	116	53.1	39.8	41.2	25.6
(WY)	1965	1965	1948	1965	1980	1965	1946	1987	1964	1964	1964	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	82745		100951			
ANNUAL MEAN	227		276		222	
HIGHEST ANNUAL MEAN					362	1976
LOWEST ANNUAL MEAN					98.9	1965
HIGHEST DAILY MEAN	2010	Jan 24	1560	Feb 28	6350	Dec 31 1948
LOWEST DAILY MEAN	38	Aug 13	79	Jul 14	a 21	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	42	Aug 1	94	Feb 7	22	Sep 20 1964
INSTANTANEOUS PEAK FLOW			3110	Jul 17	b 8450	Sep 21 1938
INSTANTANEOUS PEAK STAGE			6.95	Jul 17	12.04	Sep 21 1938
INSTANTANEOUS LOW FLOW			c 76	Jul 14	4.0	Sep 27 1932
10 PERCENT EXCEEDS	445		469		458	
50 PERCENT EXCEEDS	190		226		143	
90 PERCENT EXCEEDS	55		113		57	

a Also occurred on September 23, 1964, and July 12, 1965.
b From rating curve extended above 2,800 ft^3/s on basis of contracted-opening measurements at gage heights 10.13 ft, 10.49 ft, 11.50 ft, and 12.04 ft and slope area measurement and computation of flow over dam at gage height 12.04 ft.
c Also occurred on July 15.
e Estimated.

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT

LOCATION.--Lat 43°37'40", long 73°18'50", Rutland County, Hydrologic Unit 02010001, on right bank, 0.3 mi downstream from Carver Falls, 1.9 mi upstream from Hubbardton River, and 3.2 mi northwest of Fair Haven.
DRAINAGE AREA.--187 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
Water-quality records: Water year 1954.
REVISED RECORDS.--WSP 1114: 1929(M), 1932-35.
GAGE.--Water-stage recorder. Elevation of gage is 105 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplant upstream and Lake Bomoseen.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s, July 20, 1945, gage height, 24.36 ft, from high-water mark in well, from rating curve extended above 2,600 ft^3/s on basis of computations of flow over dam at gage heights 16.10 ft, 21.40 ft, and 24.36 ft; minimum daily discharge, 2.1 ft^3/s, August 8, 1965, September 13, 1977.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1915	* 5,250	* 15.71	Aug. 1	0515	2,640	11.46

Minimum daily discharge, 35 ft^3/s, September 26-30.

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	281	393	100	e165	1420	430	347	178	137	2080	81
2	139	230	290	92	e150	1150	409	373	163	117	1240	76
3	122	206	266	101	e150	943	518	422	152	103	992	73
4	122	206	255	398	e155	763	1000	357	137	110	778	71
5	153	174	249	911	e147	674	1560	320	133	99	617	69
6	134	163	251	571	e142	482	1110	305	153	89	507	67
7	118	149	240	503	e140	344	869	288	707	81	341	66
8	110	138	222	407	e140	364	651	257	689	78	265	66
9	108	135	206	286	e145	460	635	253	596	90	228	60
10	105	136	198	296	e137	802	666	304	392	310	205	58
11	146	162	214	625	e134	779	670	719	270	229	191	60
12	218	155	196	487	e135	896	698	733	264	160	189	52
13	199	157	184	394	e130	947	649	692	276	125	191	48
14	195	156	177	419	e150	775	652	1300	284	111	181	55
15	205	164	179	453	e240	728	727	1140	308	148	173	56
16	192	175	188	420	e290	656	794	867	412	508	200	63
17	167	168	193	e250	e270	664	694	705	430	1010	288	66
18	70	152	177	e230	e255	537	676	431	616	643	248	62
19	78	125	153	e210	e240	499	669	427	566	435	210	51
20	76	123	152	e200	e235	524	633	384	440	227	181	48
21	78	126	265	e170	e230	600	563	347	238	174	164	49
22	75	125	244	e180	e220	621	686	332	304	159	146	54
23	350	124	208	e185	e215	498	853	474	423	132	131	48
24	656	110	199	e180	e235	498	799	674	272	121	134	41
25	423	118	195	e155	e430	446	736	856	220	105	134	37
26	343	157	189	e165	e870	457	644	701	200	95	124	35
27	341	749	189	e165	e1300	469	637	396	174	95	113	35
28	368	966	175	e160	3620	470	658	349	152	82	105	35
29	336	749	166	e165	2760	562	585	308	140	79	97	35
30	310	668	152	e185	---	525	392	269	142	88	90	35
31	295	---	90	e180	---	471	---	230	---	606	84	---
TOTAL	6413	7247	6455	9243	13430	20024	21263	15560	9431	6546	10627	1652
MEAN	207	242	208	298	463	646	709	502	314	211	343	55.1
MAX	656	966	393	911	3620	1420	1560	1300	707	1010	2080	81
MIN	70	110	90	92	130	344	392	230	133	78	84	35
CFSM	1.11	1.29	1.11	1.59	2.48	3.45	3.79	2.68	1.68	1.13	1.83	.29
IN.	1.28	1.44	1.28	1.84	2.67	3.98	4.23	3.10	1.88	1.30	2.11	.33

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

MEAN	140	224	259	262	262	524	668	321	164	105	84.0	91.6
MAX	721	760	1018	897	800	1627	1441	902	776	639	629	666
(WY)	1978	1973	1984	1996	1984	1986	1977	1983	1947	1976	1976	1938
MIN	18.2	21.4	38.4	42.0	26.8	113	231	71.5	19.4	7.08	3.94	8.19
(WY)	1974	1965	1965	1931	1980	1940	1966	1941	1965	1965	1965	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	84300.9		127891			
ANNUAL MEAN	231		349		258	
HIGHEST ANNUAL MEAN					527	1976
LOWEST ANNUAL MEAN					66.9	1965
HIGHEST DAILY MEAN	3900	Jan 25	3620	Feb 28	7010	Jan 20 1996
LOWEST DAILY MEAN	7.4	Sep 1	a 35	Sep 26	b 2.1	Aug 8 1965
ANNUAL SEVEN-DAY MINIMUM	7.5	Aug 31	36	Sep 24	3.0	Aug 13 1965
INSTANTANEOUS PEAK FLOW			c 5250	Feb 28	c 14800	Jul 20 1945
INSTANTANEOUS PEAK STAGE			15.71	Feb 28	d 24.36	Jul 20 1945
ANNUAL RUNOFF (CFSM)	1.24		1.87		1.38	
ANNUAL RUNOFF (INCHES)	16.77		25.44		18.77	
10 PERCENT EXCEEDS	602		727		614	
50 PERCENT EXCEEDS	152		220		136	
90 PERCENT EXCEEDS	12		80		28	

a Also occurred on September 27-30.
b Also occurred on September 13, 1977.
c From rating curve extended above 2,600 ft^3/s as explained above.
d From high-water mark in well.
e Estimated.

04280350 METTAWEE RIVER NEAR PAWLET, VT

LOCATION.--Lat 43°22'14", long 73°13'00", Rutland County, Hydrologic Unit 02010001, on left bank, 10 ft downstream from highway bridge, 1.0 mi southwest of Butternut Bend, and 2.5 mi northwest of Pawlet.
DRAINAGE AREA.--70.2 mi^2.
PERIOD OF RECORD.--Discharge records: October 1984 to current year.
REVISED RECORDS.--WDR NH-VT-97-1: 1993, 1994, 1996 (P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 525 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 750 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 4	2215	1,160	4.19	July 16	0615	1,320	4.35
Feb. 28	0730	* 2,410	* 5.20	July 31	1500	794	3.77
Apr. 4	0945	963	3.98				

Minimum discharge, 31 ft^3/s, September 30.

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	108	94	154	e54	e86	385	201	217	144	65	258	55
2	81	91	138	e53	e77	333	198	256	137	59	198	57
3	72	142	134	e60	e74	268	241	218	130	56	172	63
4	82	110	145	e300	e78	232	713	199	113	82	153	57
5	82	98	138	530	e74	210	614	209	102	92	135	53
6	74	90	131	288	e73	190	450	205	176	65	122	49
7	67	85	131	247	e68	182	355	185	306	59	150	47
8	63	81	120	209	e64	189	313	170	182	55	169	45
9	63	78	112	186	e62	254	368	160	164	91	136	44
10	63	82	115	225	e66	351	330	198	150	227	136	42
11	66	90	128	341	e67	272	318	286	129	120	137	40
12	60	78	110	256	e62	405	313	225	154	90	187	40
13	56	80	105	204	e55	312	296	276	139	76	149	64
14	71	78	100	e155	e80	267	344	392	169	70	148	47
15	70	76	103	e150	e300	258	366	282	150	71	154	56
16	64	71	105	e133	e205	287	355	247	132	637	178	47
17	62	67	98	e110	e150	279	307	240	143	383	148	42
18	59	65	89	e102	e120	240	282	263	145	247	130	40
19	55	63	81	e99	e115	230	262	283	139	196	118	39
20	56	63	85	e98	e110	228	237	249	118	163	106	42
21	56	66	118	e97	e103	239	291	229	108	144	97	40
22	54	63	96	e93	e98	236	357	219	118	131	89	36
23	320	62	85	e92	e100	228	324	209	106	113	99	36
24	270	64	e75	e102	e135	220	322	332	92	101	109	42
25	202	63	e70	e115	e305	215	289	297	85	91	88	38
26	172	90	e66	e105	e295	229	279	270	83	83	79	36
27	150	392	e64	e95	e600	209	307	238	78	87	73	34
28	132	259	e60	e89	1440	265	284	216	71	79	68	33
29	119	205	e58	e85	560	273	257	198	71	74	64	32
30	108	176	e56	e88	---	244	237	178	75	83	61	32
31	101	---	e55	e93	---	219	---	158	---	378	58	---
TOTAL	3058	3122	3125	4854	5622	7949	9810	7304	3909	4268	3969	1328
MEAN	98.6	104	101	157	194	256	327	236	130	138	128	44.3
MAX	320	392	154	530	1440	405	713	392	306	637	258	64
MIN	54	62	55	53	55	182	198	158	71	55	58	32
CFSM	1.41	1.48	1.44	2.23	2.76	3.65	4.66	3.36	1.86	1.96	1.82	.63
IN.	1.62	1.65	1.66	2.57	2.98	4.21	5.20	3.87	2.07	2.26	2.10	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

MEAN	73.9	125	125	144	111	199	268	153	77.2	59.8	49.3	41.6
MAX	286	233	317	344	194	274	559	371	141	169	128	99.3
(WY)	1988	1989	1997	1998	2000	1998	1994	1996	1986	1996	2000	1987
MIN	24.5	32.7	45.8	45.3	45.5	96.5	115	55.4	32.8	13.8	13.6	10.6
(WY)	1998	1999	1990	1989	1987	1989	1995	1987	1999	1995	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	39446.7		58318			
ANNUAL MEAN	108		159		119	
HIGHEST ANNUAL MEAN					159	2000
LOWEST ANNUAL MEAN					75.9	1995
HIGHEST DAILY MEAN	2100	Jan 24	1440	Feb 28	2480	Jan 8 1998
LOWEST DAILY MEAN	7.3	Sep 5	a 32	Sep 29	7.3	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	8.2	Sep 2	35	Sep 24	8.2	Sep 2 1999
INSTANTANEOUS PEAK FLOW			2410	Feb 28	4480	Jan 19 1996
INSTANTANEOUS PEAK STAGE			5.20	Feb 28	b 6.71	Jan 19 1996
INSTANTANEOUS LOW FLOW			31	Sep 30	6.4	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.54		2.27		1.69	
ANNUAL RUNOFF (INCHES)	20.90		30.90		23.00	
10 PERCENT EXCEEDS	238		302		249	
50 PERCENT EXCEEDS	79		118		80	
90 PERCENT EXCEEDS	13		56		23	

a Also occurred on September 30.
b Ice jam.
e Estimated.

04282000 OTTER CREEK AT CENTER RUTLAND, VT

LOCATION.--Lat 43°36'13", long 73°00'49", Rutland County, Hydrologic Unit 02010002, on right bank, 200 ft downstream from dam, 500 ft upstream from bridge on Vermont Route 4A (formerly U.S. Highway 4) in Center Rutland, 1.2 mi downstream from East Creek, and 1.5 mi west of Rutland.
DRAINAGE AREA.--307 mi^2.
PERIOD OF RECORD.--Discharge records: May 1928 to current year.
Water-quality records: Water years 1955, 1971.
REVISED RECORDS.--WSP 1084: 1929.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 474.80 ft above sea level; prior to October 1, 1964, datum was 1.00 ft higher. Prior to July 22, 1929, nonrecording gage at same site.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplants and Chittenden Reservoir 14 mi upstream on East Creek. These reservoirs have a combined usuable capacity of about 819.8 million ft^3. Prior to June 3, 1947, regulation by East Pittsford Reservoir, usable capacity, 150 million ft^3.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1330	3,410	7.56	Aug. 1	0545	* 4,480	* 8.77
Apr. 5	0715	4,170	8.44				

Minimum daily discharge, 94 ft^3/s, September 30.

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	851	329	614	246	e292	1830	1010	850	487	346	3830	254
2	476	310	531	201	e279	1220	1020	1150	449	264	1870	174
3	347	772	539	300	e270	1000	1470	1020	407	288	1000	154
4	332	881	493	1280	e265	862	2900	867	366	298	781	158
5	441	620	502	2530	e202	794	3950	786	361	324	541	231
6	392	535	518	1410	e200	726	2570	870	526	328	433	229
7	444	428	534	1090	e237	690	1570	803	1500	298	510	241
8	409	390	591	816	e245	740	1320	708	1020	265	678	194
9	289	421	465	713	e245	1040	1490	680	744	261	556	145
10	261	423	433	739	e243	2000	1490	778	674	1110	558	139
11	339	429	535	1200	e232	1570	1320	1520	530	779	489	165
12	362	412	462	1090	e208	1250	1330	1220	680	498	695	193
13	273	338	439	699	e185	1110	1170	1140	637	386	539	215
14	314	349	435	e400	e280	931	1190	1720	731	314	492	197
15	310	411	371	e425	420	905	1410	1140	701	323	648	186
16	272	437	395	e472	373	1110	1590	885	602	668	876	211
17	245	379	415	e445	330	1210	1320	872	884	1630	808	161
18	271	351	337	e420	324	918	1120	840	997	1490	616	135
19	283	345	234	e425	318	871	1090	1100	916	860	518	119
20	276	351	243	e405	256	854	985	922	713	588	459	185
21	287	399	565	e394	275	890	1100	794	593	485	431	152
22	278	392	539	e375	302	980	1550	739	684	451	395	132
23	1070	371	371	e320	297	1060	1440	697	705	365	393	117
24	1480	361	e245	e315	372	1180	1320	1180	503	357	530	133
25	982	296	e168	e294	917	1100	1200	1260	396	321	507	148
26	767	437	e185	e292	1170	1170	1040	991	513	300	433	140
27	643	1460	e295	e292	1430	1160	1170	801	480	335	381	124
28	497	1490	e275	e302	2960	1780	1170	680	421	339	321	114
29	491	965	275	e338	3020	2480	1020	607	357	266	346	103
30	374	757	281	e243	---	1890	928	595	424	583	333	94
31	352	---	227	e270	---	1240	---	535	---	2370	323	---
TOTAL	14408	15839	12512	18741	16147	36561	43253	28750	19001	17490	21290	4943
MEAN	465	528	404	605	557	1179	1442	927	633	564	687	165
MAX	1480	1490	614	2530	3020	2480	3950	1720	1500	2370	3830	254
MIN	245	296	168	201	185	690	928	535	357	261	321	94
CFSM	1.51	1.72	1.31	1.97	1.81	3.84	4.70	3.02	2.06	1.84	2.24	.54
IN.	1.75	1.92	1.52	2.27	1.96	4.43	5.24	3.48	2.30	2.12	2.58	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	354	505	509	482	460	831	1460	828	435	288	244	257
MAX	1227	1025	1291	1094	1564	2376	3078	2120	1565	1047	1591	1385
(WY)	1988	1960	1984	1949	1981	1936	1969	1940	1947	1976	1976	1938
MIN	86.5	141	126	100	110	231	445	271	130	78.2	65.5	78.4
(WY)	1965	1965	1948	1948	1980	1965	1995	1941	1965	1965	1999	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	160229		248935			
ANNUAL MEAN	439		680		553	
HIGHEST ANNUAL MEAN					1049	1976
LOWEST ANNUAL MEAN					239	1965
HIGHEST DAILY MEAN	3190	Mar 23	3950	Apr 5	10100	Sep 22 1938
LOWEST DAILY MEAN	38	Aug 3	94	Sep 30	38	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	48	Aug 1	122	Sep 24	48	Aug 1 1999
INSTANTANEOUS PEAK FLOW			4480	Aug 1	13700	Sep 22 1938
INSTANTANEOUS PEAK STAGE			8.77	Aug 1	a 12.45	Sep 22 1938
ANNUAL RUNOFF (CFSM)	1.43		2.22		1.80	
ANNUAL RUNOFF (INCHES)	19.42		30.16		24.49	
10 PERCENT EXCEEDS	926		1320		1200	
50 PERCENT EXCEEDS	323		490		340	
90 PERCENT EXCEEDS	69		232		134	

a At datum then in use.
e Estimated.

04282500 OTTER CREEK AT MIDDLEBURY, VT

LOCATION.--Lat 44°00'47", long 73°10'06", Addison County, Hydrologic Unit 02010002, on right bank, 150 ft upstream from highway bridge in Middlebury and 3.5 mi downstream from Middlebury River.
DRAINAGE AREA.--628 mi^2.
PERIOD OF RECORD.--Discharge records: April 1903 to April 1907, October 1910 to January 1920, October 1928 to current year.
Water-quality records: Water years 1954, 1967-74.
REVISED RECORDS.--WSP 434: 1903-04. WSP 684: 1913(M), drainage area. WSP 1114 1913. WSP 1207: 1929, 1931.
GAGE.--Water-stage recorder. Datum of gage is 335.75 ft above sea level. Nonrecording gage at site 1,800 ft upstream at datum 10 ft lower, April 1, 1903 to April 30, 1907, and October 5, 1910 to January 31, 1920, nonrecording gage at present site and datum, October 1, 1928 to October 17, 1933.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Some regulation by Chittenden Reservoir, usable capacity, 819 million ft^3 on East Creek.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1830, 13,600 ft^3/s, November 4, 1927, gage height, 13.3 ft, present datum.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,640 ft^3/s, March 5, gage height, 5.14 ft; minimum daily discharge, 189 ft^3/s, September 30.

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	849	706	1810	e460	e485	e2520	2420	2310	1320	749	1650	451
2	1010	656	1660	451	e520	e2640	2480	2250	1130	641	1910	394
3	804	778	1460	481	e480	e2950	2540	2150	936	499	2030	366
4	642	1080	1330	866	e475	e3220	2930	2070	790	499	2120	315
5	691	1180	1180	1360	e440	3630	2950	2010	685	511	2140	314
6	726	1050	1050	1510	e410	3510	2850	1950	665	502	2050	366
7	687	884	1010	1660	e395	3210	2900	1860	1330	514	1820	359
8	644	759	985	1770	e405	2920	3050	1760	1630	459	1520	355
9	605	694	970	1840	e390	2750	3280	1730	1720	429	1330	311
10	530	701	899	1860	e380	2800	3510	1810	1690	723	1110	248
11	478	769	938	2040	e395	2610	3540	2330	1520	1320	943	231
12	511	764	912	2120	e380	2580	3500	2180	1280	1290	927	248
13	516	741	814	e1870	e380	2570	3400	2210	1200	945	978	337
14	462	666	809	e1760	e370	2560	3310	2480	1130	704	865	401
15	518	658	796	e1600	e432	2540	3250	2410	1150	541	934	375
16	521	684	790	e1550	e460	2500	3170	2410	1170	634	1220	377
17	468	711	836	e1420	e450	2410	2980	2410	1120	1870	1440	365
18	432	672	791	e1240	e430	2320	2870	2390	1340	1830	1380	299
19	451	625	659	e1050	e410	2250	2790	2410	1490	1850	1160	256
20	492	622	558	e920	e415	2160	2690	2320	1510	1820	921	232
21	515	731	773	e775	e420	2090	2650	2230	1410	1610	769	257
22	515	743	1030	e705	e435	2050	2660	2130	1220	1280	701	263
23	868	729	958	e650	e475	2020	2650	2020	1150	940	638	243
24	1740	725	e740	e610	e575	2010	2680	2040	1110	703	689	221
25	1720	703	e575	e600	e880	2000	2650	2100	924	622	781	221
26	1700	664	e405	e570	e1480	2150	2600	2100	831	526	759	235
27	1610	1440	e420	e545	e2020	2070	2580	2080	864	460	652	271
28	1450	1780	e410	e520	2670	2240	2570	2020	843	459	595	227
29	1280	1850	e435	e480	2590	2360	2490	1910	709	471	542	206
30	1080	1880	e465	e470	---	2280	2410	1720	677	512	511	189
31	846	---	e430	e475	---	2340	---	1520	---	844	472	---
TOTAL	25361	26645	26898	34228	20047	78260	86350	65320	34544	26757	35557	8933
MEAN	818	888	868	1104	691	2525	2878	2107	1151	863	1147	298
MAX	1740	1880	1810	2120	2670	3630	3540	2480	1720	1870	2140	451
MIN	432	622	405	451	370	2000	2410	1520	665	429	472	189
CFSM	1.30	1.41	1.38	1.76	1.10	4.02	4.58	3.36	1.83	1.37	1.83	.47
IN.	1.50	1.58	1.59	2.03	1.19	4.64	5.11	3.87	2.05	1.58	2.11	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903-07,10-20, 28-00 BY WATER YEAR (WY)

MEAN	641	869	911	887	859	1528	2547	1527	821	546	464	481
MAX	2021	1897	2610	2509	2414	4538	4500	3717	3025	1833	2624	2411
(WY)	1988	1976	1984	1949	1981	1936	1960	1996	1947	1996	1976	1938
MIN	172	260	246	205	229	384	885	370	208	126	129	168
(WY)	1965	1965	1948	1948	1980	1940	1995	1903	1965	1965	1965	1982

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1903-07, 10-20, 28-00	
ANNUAL TOTAL	340693		468900			
ANNUAL MEAN	933		1281		1005	
HIGHEST ANNUAL MEAN					1878	1976
LOWEST ANNUAL MEAN					397	1965
HIGHEST DAILY MEAN	3100	Apr 8	3630	Mar 5	11000	Mar 21 1936
LOWEST DAILY MEAN	125	Sep 3	189	Sep 30	92	Aug 9 1965
ANNUAL SEVEN-DAY MINIMUM	127	Sep 1	224	Sep 24	107	Jul 28 1965
INSTANTANEOUS PEAK FLOW			3640	Mar 5		
INSTANTANEOUS PEAK STAGE			5.14	Mar 5		
ANNUAL RUNOFF (CFSM)	1.49		2.04		1.60	
ANNUAL RUNOFF (INCHES)	20.18		27.78		21.75	
10 PERCENT EXCEEDS	2220		2580		2330	
50 PERCENT EXCEEDS	706		939		636	
90 PERCENT EXCEEDS	148		404		260	

e Estimated.

04282525 NEW HAVEN RIVER AT BROOKSVILLE NEAR MIDDLEBURY, VT

LOCATION.--Lat 44°03'42", long 73°10'16", Rutland County, Hydrologic Unit 02010002, on left bank, at downstream side of Dog Team Road bridge, 0.2 mi south of Brooksville, 0.6 mi upstream from mouth, 1.6 mi downstream of Muddy Branch, 3.4 mi north of Middlebury.
DRAINAGE AREA.-- 115 mi^2.
PERIOD OF RECORD.--Discharge records: October 1990 to current year.
REVISED RECORDS.--WDR NH-VT-97-1 1991(P), 1992(P), 1993(P), 1994(P), 1995(P), 1996(P).
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 275 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 23	1530	1,840	6.72	Apr. 4	1300	3,210	7.84
Nov. 27	1030	1,630	6.50	May 11	0030	* 5,760	* 9.32
Feb. 28	1015	3,970	8.34	May 14	0215	1,650	6.53
Mar. 9	2330	2,420	7.24	July 16	2045	2,040	6.90
Mar. 28	1545	1,850	6.73				

Minimum discharge, 41 ft^3/s, September 11, 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	170	150	216	e93	e69	446	320	286	151	88	185	54
2	115	143	194	e105	e68	398	376	396	156	72	169	55
3	101	329	194	248	e68	314	707	321	143	66	250	76
4	143	230	218	589	e67	252	2100	281	128	71	270	74
5	174	178	209	626	e65	238	971	364	130	80	138	68
6	136	158	189	245	e63	213	524	370	237	65	105	57
7	120	143	183	212	e58	202	438	352	355	59	95	53
8	106	136	171	180	e55	240	447	333	194	55	95	50
9	125	129	154	169	e54	641	487	514	181	60	92	49
10	119	137	147	199	e53	1120	442	1270	169	159	82	45
11	143	166	192	544	e53	437	433	2000	152	97	110	43
12	126	134	162	286	e52	404	415	628	156	70	199	45
13	106	142	149	e180	e52	299	386	502	145	59	125	79
14	137	154	145	e160	e51	249	461	936	150	67	105	63
15	152	169	150	e132	e51	251	840	464	134	58	241	70
16	125	149	217	e110	e51	323	839	362	119	394	384	87
17	114	144	217	e90	e50	281	493	332	164	515	229	63
18	122	134	160	e82	e50	224	384	430	156	305	152	54
19	109	136	111	e80	e50	222	340	577	140	184	121	51
20	109	192	118	e79	e54	236	320	368	112	131	104	47
21	121	402	371	e78	e51	280	429	317	102	106	95	45
22	109	258	229	e77	e59	296	700	285	104	106	83	50
23	903	237	e180	e76	e68	309	712	260	90	91	94	44
24	1110	207	e130	e75	e100	325	868	412	83	81	152	49
25	424	183	e115	e75	e590	308	588	398	78	74	101	55
26	276	214	e105	e74	826	622	458	323	89	65	83	47
27	224	988	e96	e73	1670	378	440	253	106	61	74	43
28	208	471	e90	e72	2880	971	415	221	96	60	71	46
29	193	300	e86	e72	835	795	348	203	94	60	65	47
30	177	253	e84	e70	---	484	325	182	101	207	64	44
31	165	---	e82	e70	---	381	---	166	---	123	58	---
TOTAL	6462	6766	5064	5221	8213	12139	17006	14106	4215	3689	4191	1653
MEAN	208	226	163	168	283	392	567	455	140	119	135	55.1
MAX	1110	988	371	626	2880	1120	2100	2000	355	515	384	87
MIN	101	129	82	70	50	202	320	166	78	55	58	43
CFSM	1.81	1.96	1.42	1.46	2.46	3.41	4.93	3.96	1.22	1.03	1.18	.48
IN.	2.09	2.19	1.64	1.69	2.66	3.93	5.50	4.56	1.36	1.19	1.36	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	185	211	189	204	139	296	439	278	153	117	115	107
MAX	409	369	409	450	283	554	763	592	448	344	257	263
(WY)	1991	1991	1997	1998	2000	1998	1994	1996	1998	1998	1998	1998
MIN	86.4	108	99.2	101	46.5	146	182	126	51.0	44.7	25.3	47.9
(WY)	1995	1995	1996	1994	1992	1996	1995	1995	1995	1993	1999	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	59064		88725			
ANNUAL MEAN	162		242		199	
HIGHEST ANNUAL MEAN					292	1998
LOWEST ANNUAL MEAN					128	1995
HIGHEST DAILY MEAN	2080	Sep 17	2880	Feb 28	6880	Jun 27 1998
LOWEST DAILY MEAN	13	Sep 4	43	Sep 11	a 13	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	14	Sep 1	47	Sep 23	14	Sep 1 1999
INSTANTANEOUS PEAK FLOW			5760	May 11	b 21700	Jun 27 1998
INSTANTANEOUS PEAK STAGE			9.32	May 11	c 14.18	Jun 27 1998
INSTANTANEOUS LOW FLOW			d 41	Sep 11	f 12	Sep 5 1999
ANNUAL RUNOFF (CFSM)	1.41		2.11		1.73	
ANNUAL RUNOFF (INCHES)	19.11		28.70		23.52	
10 PERCENT EXCEEDS	300		485		416	
50 PERCENT EXCEEDS	126		150		126	
90 PERCENT EXCEEDS	26		56		50	

a Also occurred on September 5-7, 1999.
b From rating curve extended above 5,300 ft^3/s.
c From floodmarks.
d Also occurred on September 12.
e Estimated.
f Also occurred on September 6, 7, 1999.

04282650 LITTLE OTTER CREEK AT FERRISBURG, VT

LOCATION.--Lat 44°11'51", long 73°14'58", Addison County, Hydrologic Unit 02010002, on left bank, downstream side of highway bridge on Route 7, 0.5 mi south of Ferrisburg, 2.2 mi north of Vergennes, 2.6 mi downstream of Mud Creek.
DRAINAGE AREA.-- 57.1 mi^2.
PERIOD OF RECORD.--Discharge records: March 1990 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 145 ft above sea level, from topographic map. Prior to October 23, 1990, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 27	1130	Ice Jam	* 5.77	May 10	1545	565	3.41
Feb. 28	1315	* 1,590	4.89				

Minimum discharge, 2.8 ft^3/s, July 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	e20	32	92	e23	e9.0	595	85	65	26	5.3	6.7	4.1
2	e15	27	70	e30	e8.6	373	73	59	22	5.3	12	e5.6
3	e13	73	50	e48	e8.2	215	123	52	21	4.6	13	e7.0
4	e15	70	58	e150	e8.2	151	338	45	17	4.6	10	e5.8
5	e23	61	63	323	e8.0	130	432	42	14	4.2	9.5	e5.2
6	e20	50	56	346	e8.0	106	335	43	16	3.9	6.6	e4.7
7	e17	39	49	247	e8.0	93	188	44	35	3.5	4.6	4.1
8	e15	32	43	146	e7.8	95	144	42	29	3.1	4.3	3.8
9	e15	28	39	110	e7.8	144	171	84	24	3.2	e4.7	3.9
10	e15	26	38	119	e7.8	207	205	150	26	6.4	5.4	3.8
11	e15	30	37	368	e7.8	193	255	531	23	9.5	4.7	3.3
12	e16	26	34	291	e7.8	161	285	510	24	7.0	41	3.2
13	e14	25	30	192	e7.5	156	282	352	22	3.9	70	5.2
14	e24	26	28	e97	e7.2	143	280	361	23	3.2	57	7.8
15	e37	25	32	e60	e7.0	135	290	302	22	3.3	49	8.4
16	e26	23	47	e36	e7.0	140	249	192	18	14	62	11
17	e22	21	47	e31	e7.0	105	186	113	14	25	68	9.2
18	e21	19	e35	e27	e7.2	100	137	92	12	49	56	7.2
19	19	18	e33	e21	e7.2	86	107	112	11	66	37	6.3
20	17	17	e52	e18	e7.4	96	88	87	9.1	39	27	5.4
21	16	20	94	e16	e8.0	127	112	73	7.5	25	19	5.3
22	14	20	82	e15	e9.6	140	216	63	7.0	28	13	4.9
23	153	19	e70	e13	e20	136	312	57	6.9	28	10	5.2
24	334	19	e60	e12	e70	127	384	94	6.0	16	14	4.6
25	341	18	e40	e11	e260	109	350	130	5.5	9.9	13	4.8
26	253	24	e32	e10	e500	102	233	118	7.3	7.4	11	4.7
27	147	259	e29	e10	e900	93	153	81	7.9	6.0	7.7	4.1
28	90	281	e25	e9.6	1460	119	128	58	7.1	4.9	6.4	3.5
29	61	225	e22	e9.5	1050	156	105	46	5.7	4.3	5.8	3.6
30	45	148	e20	e9.3	---	142	84	38	5.1	4.8	5.2	3.2
31	37	---	e20	e9.0	---	112	---	32	---	5.2	5.0	---
TOTAL	1870	1701	1427	2807.4	4432.1	4787	6330	4068	474.1	403.5	658.6	158.9
MEAN	60.3	56.7	46.0	90.6	153	154	211	131	15.8	13.0	21.2	5.30
MAX	341	281	94	368	1460	595	432	531	35	66	70	11
MIN	13	17	20	9.0	7.0	86	73	32	5.1	3.1	4.3	3.2
CFSM	1.06	.99	.81	1.59	2.68	2.70	3.70	2.30	.28	.23	.37	.09
IN.	1.22	1.11	.93	1.83	2.89	3.12	4.12	2.65	.31	.26	.43	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	54.1	72.5	64.2	87.3	51.1	114	151	66.7	32.5	22.9	26.5	19.6
MAX	178	174	226	259	153	193	332	203	127	123	107	58.7
(WY)	1991	1991	1997	1996	2000	1990	1993	1996	1998	1998	1990	1998
MIN	5.73	19.2	24.2	22.0	18.0	35.6	34.8	15.3	4.16	2.83	1.61	5.12
(WY)	1995	1995	1996	1994	1992	1996	1995	1995	1995	1999	1999	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	17541.64		29117.6			
ANNUAL MEAN	48.1		79.6		62.1	
HIGHEST ANNUAL MEAN					103	1996
LOWEST ANNUAL MEAN					28.7	1995
HIGHEST DAILY MEAN	600	Sep 17	1460	Feb 28	1620	Jan 9 1998
LOWEST DAILY MEAN	.96	Aug 4	3.1	Jul 8	.96	Aug 4 1999
ANNUAL SEVEN-DAY MINIMUM	1.1	Jul 31	3.8	Sep 6	1.1	Jul 31 1999
INSTANTANEOUS PEAK FLOW			1590	Feb 28	a 2210	Jan 20 1996
INSTANTANEOUS PEAK STAGE			b 5.77	Feb 27	b 5.77	Feb 27 2000
INSTANTANEOUS LOW FLOW			2.8	Jul 9	.88	Aug 4 1999
ANNUAL RUNOFF (CFSM)	.84		1.39		1.09	
ANNUAL RUNOFF (INCHES)	11.43		18.97		14.77	
10 PERCENT EXCEEDS	127		219		156	
50 PERCENT EXCEEDS	23		26		25	
90 PERCENT EXCEEDS	1.8		5.2		5.1	

a From rating curve extended above 920 ft^3/s.
b Ice Jam.
e Estimated.

04282780 LEWIS CREEK NEAR NORTH FERRISBURG, VT

LOCATION.--Lat 44°14'57", long 73°13'44", Addison County, Hydrologic Unit 02010002, on right bank, 100 ft east of State Highway 7 crossing, 1.1 mi southwest of North Ferrisburg, 1.2 mi south of Mount Philo peak, 3.1 mi north of Ferrisburg.
DRAINAGE AREA.--77.2 mi^2.
PERIOD OF RECORD.--Discharge records: March 1990 to current year. Published as "at North Ferrisburg" prior to October 1996.
GAGE.--Water-stage recorder. Elevation of gage is 105 ft above sea level, from topographic map.
REMARKS.--Records good, except those for estimated daily discharges which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 24	0900	998	3.87	Apr. 15	0130	860	3.74
Feb. 27	1645	Ice Jam	* 5.44	Apr. 23	1430	810	3.69
Feb. 28	0515	* 3,380	5.30	May 10	0745	2,120	4.66
Mar. 10	0645	801	3.68	May 13	0615	890	3.77
Apr. 3	1545	1,130	3.98				

Minimum discharge, 14 ft^3/s, September 11, 12, 30.

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	50	64	117	e42	e25	520	165	137	75	29	24	18
2	37	61	e95	e45	e24	437	311	117	69	27	31	25
3	32	91	e86	e120	e23	309	911	102	63	25	26	28
4	36	84	114	308	e23	229	578	133	58	26	23	24
5	53	67	112	282	e23	191	372	138	55	24	21	23
6	46	61	102	e86	e22	154	300	144	60	22	19	20
7	42	56	91	e78	e22	138	275	136	88	21	19	18
8	37	51	80	e67	e19	154	323	392	69	20	21	17
9	37	48	72	e57	e18	350	307	627	69	22	24	16
10	38	48	69	e100	e18	560	295	1430	74	31	23	15
11	38	57	79	445	e18	270	285	561	64	30	32	15
12	40	52	71	227	e18	248	282	425	63	24	70	16
13	35	54	65	e90	e18	195	415	678	59	21	46	22
14	49	57	64	e72	e18	166	592	367	63	20	36	20
15	69	67	66	e70	e18	176	634	274	59	19	66	22
16	52	62	90	e64	e17	199	359	215	52	23	99	25
17	47	58	95	e60	e17	166	263	205	48	31	85	21
18	47	54	74	e58	e17	154	208	255	46	44	51	19
19	44	55	e68	e52	e17	130	175	184	43	47	40	18
20	40	61	e95	e48	e17	140	242	164	39	31	35	19
21	40	120	150	e46	e17	164	426	146	36	27	32	17
22	38	95	109	e43	e19	176	500	133	36	31	28	16
23	280	78	e95	e40	e30	188	702	197	35	37	27	15
24	807	68	e73	e37	e95	201	498	253	32	30	34	18
25	324	63	e53	e35	e400	180	342	217	31	25	30	19
26	188	73	e49	e34	e1150	196	283	151	37	23	25	17
27	138	527	e46	e32	e1690	160	249	125	36	21	23	16
28	110	317	e43	e31	e2500	244	200	108	33	19	22	15
29	93	191	e40	e30	981	301	163	94	29	19	21	15
30	79	150	e40	e28	---	225	137	79	29	30	20	15
31	68	---	e40	e26	---	179	---	76	---	27	19	---
TOTAL	3034	2890	2443	2753	7274	7100	10792	8263	1550	826	1072	564
MEAN	97.9	96.3	78.8	88.8	251	229	360	267	51.7	26.6	34.6	18.8
MAX	807	527	150	445	2500	560	911	1430	88	47	99	28
MIN	32	48	40	26	17	130	137	76	29	19	19	15
CFSM	1.27	1.25	1.02	1.15	3.25	2.97	4.66	3.45	.67	.35	.45	.24
IN.	1.46	1.39	1.18	1.33	3.51	3.42	5.20	3.98	.75	.40	.52	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	89.0	110	112	120	101	186	246	128	59.7	46.5	42.8	39.7
MAX	247	238	300	259	251	299	446	349	151	182	139	92.0
(WY)	1991	1991	1997	1996	2000	1999	1993	1996	1996	1998	1990	1998
MIN	22.6	47.5	41.6	42.1	32.8	69.8	77.1	44.0	15.7	9.98	7.44	16.9
(WY)	1995	1995	1993	1993	1993	1996	1995	1999	1995	1999	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	31381.5		48561			
ANNUAL MEAN	86.0		133		105	
HIGHEST ANNUAL MEAN					152	1996
LOWEST ANNUAL MEAN					54.2	1995
HIGHEST DAILY MEAN	1080	Mar 18	e 2500	Feb 28	e 2500	Feb 28 2000
LOWEST DAILY MEAN	4.2	Sep 4	a 15	Sep 10	4.2	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	4.5	Aug 31	16	Sep 23	4.5	Aug 31 1999
INSTANTANEOUS PEAK FLOW			b 3380	Feb 28	b 3380	Feb 28 2000
INSTANTANEOUS PEAK STAGE			c 5.44	Feb 27	c 6.20	Feb 22 1997
INSTANTANEOUS LOW FLOW			d 14	Sep 11	f 4.0	Sep 3 1999
ANNUAL RUNOFF (CFSM)	1.11		1.72		1.36	
ANNUAL RUNOFF (INCHES)	15.12		23.40		18.51	
10 PERCENT EXCEEDS	170		308		231	
50 PERCENT EXCEEDS	53		58		60	
90 PERCENT EXCEEDS	7.6		19		17	

a Also occurred on September 11, 23, 28-30.
b From rating curve extended above 550 ft^3/s.
c Ice jam.
d Also occurred on September 12, 30.
e Estimated.
f Also occurred September 4, 5, 1999.

04282795 LAPLATTE RIVER AT SHELBURNE FALLS, VT

LOCATION.--Lat 44°22'12", long 73°13'00", Chittenden County, Hydrologic Unit 02010003, on left bank, 150 ft upstream of small right bank tributary, 300 ft upstream of Shelburne Falls bridge, at Shelburne Falls, 0.9 mi southeast of Shelburne, 1.3 mi upstream of Munroe Brook, 2.0 mi above mouth.
DRAINAGE AREA.--44.6 mi^2.
PERIOD OF RECORD.--Discharge records: March 1990 to current year.
GAGE.--Nonrecording gage at site 100 ft downstream, March to October 23, 1990. Water-stage recorder, October 24, 1990, to current year. Elevation of gage is 150 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 598 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 27	1015	Ice Jam	* 6.43	May 10	2230	990	5.07
Feb. 28	0300	* 1,450	5.92				

Minimum discharge, 2.9 ft^3/s, July 29, September 01.

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	8.3	e21	57	e13	e7.0	224	80	60	25	7.9	6.5	6.0
2	6.8	e19	e47	e13	e6.6	156	72	56	22	7.1	6.0	46
3	5.2	e48	38	e17	e6.4	122	117	46	20	6.6	5.4	24
4	6.0	e42	63	e50	e6.2	92	401	40	18	6.3	5.0	20
5	12	e30	64	126	e6.2	85	283	83	17	6.0	5.3	14
6	9.5	23	52	53	e6.0	80	149	80	19	5.0	4.2	9.7
7	7.9	20	43	e32	e5.8	69	117	80	34	4.9	3.8	7.7
8	6.6	18	36	e23	e5.8	75	116	91	23	4.4	4.2	6.3
9	5.7	16	30	e20	e5.8	138	160	286	23	5.1	5.2	5.4
10	5.4	14	26	e25	e5.8	165	162	400	29	8.0	5.7	4.9
11	5.9	15	29	245	e5.8	99	174	730	25	9.3	8.7	4.4
12	6.4	14	27	99	e5.9	100	167	296	29	6.7	16	4.1
13	6.3	14	24	e42	e5.6	96	164	172	25	4.9	12	6.9
14	15	15	22	e28	e5.5	83	275	305	33	3.8	8.4	8.8
15	29	15	24	e24	e5.5	102	342	154	27	3.9	9.9	11
16	18	16	51	e21	e5.4	111	248	98	27	5.2	16	16
17	13	15	45	e19	e5.3	88	156	75	22	6.2	19	9.6
18	12	14	e30	e17	e5.3	73	114	72	21	8.4	11	7.5
19	11	13	e25	e16	e5.3	69	92	87	19	7.5	8.3	6.6
20	9.6	13	e19	e15	e5.4	77	79	66	16	6.2	6.7	6.1
21	e9.1	19	e78	e13	e5.8	104	130	64	14	5.2	6.1	5.9
22	8.6	22	67	e11	e6.0	107	268	55	13	5.1	5.1	5.2
23	e150	19	e37	e10	e8.0	100	289	51	12	5.4	5.1	5.5
24	e435	18	e25	e9.0	e20	95	385	91	10	5.4	6.4	6.8
25	e193	17	e19	e8.0	e90	82	268	145	9.0	4.3	6.7	8.3
26	102	22	e18	e7.8	e380	81	151	128	9.1	3.7	5.3	7.2
27	64	285	e17	e7.5	e700	73	119	79	9.4	3.6	4.7	6.2
28	45	222	e15	e7.5	1250	128	104	59	9.5	3.6	4.0	5.9
29	34	108	e14	e7.3	498	174	83	48	8.2	3.9	3.8	5.7
30	26	75	e13	e7.2	---	122	70	36	8.0	11	3.5	5.3
31	e22	---	e13	e7.0	---	98	---	29	---	7.1	3.2	---
TOTAL	1288.3	1202	1068	993.3	3074.4	3268	5335	4062	576.2	181.7	221.2	287.0
MEAN	41.6	40.1	34.5	32.0	106	105	178	131	19.2	5.86	7.14	9.57
MAX	435	285	78	245	1250	224	401	730	34	11	19	46
MIN	5.2	13	13	7.0	5.3	69	70	29	8.0	3.6	3.2	4.1
CFSM	.93	.90	.77	.72	2.38	2.36	3.99	2.94	.43	.13	.16	.21
IN.	1.07	1.00	.89	.83	2.56	2.73	4.45	3.39	.48	.15	.18	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	37.1	54.9	46.7	54.0	36.8	77.1	121	58.3	24.6	24.5	22.2	13.4
MAX	113	135	150	159	106	122	249	181	79.4	146	99.7	60.4
(WY)	1991	1991	1997	1996	2000	1999	1993	1996	1996	1998	1990	1998
MIN	3.97	11.1	16.5	14.0	8.61	32.3	28.8	15.0	4.86	1.69	1.72	2.62
(WY)	1995	1995	1993	1993	1993	1996	1995	1998	1999	1995	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	12537.22		21557.1			
ANNUAL MEAN	34.3		58.9		46.8	
HIGHEST ANNUAL MEAN					70.7	1996
LOWEST ANNUAL MEAN					21.8	1995
HIGHEST DAILY MEAN	435	Oct 24	1250	Feb 28	1410	Dec 2 1996
LOWEST DAILY MEAN	.76	Aug 3	3.2	Aug 31	.23	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	.86	Aug 30	4.3	Jul 23	.33	Aug 31 1995
INSTANTANEOUS PEAK FLOW			1450	Feb 28	a 2640	Jan 19 1996
INSTANTANEOUS PEAK STAGE			b 6.43	Feb 27	b 9.50	Feb 20 1994
INSTANTANEOUS LOW FLOW			c 2.9	Jul 29	.18	Sep 3 1995
ANNUAL RUNOFF (CFSM)	.77		1.32		1.05	
ANNUAL RUNOFF (INCHES)	10.46		17.98		14.24	
10 PERCENT EXCEEDS	89		150		111	
50 PERCENT EXCEEDS	16		18		19	
90 PERCENT EXCEEDS	1.5		5.3		3.8	

a From rating curve extended above 750 ft^3/s.
b Ice jam.
c Also occurred September 1.
e Estimated.

04282815 ENGLESBY BROOK AT BURLINGTON, VT

LOCATION.--Lat 44°27'28", long 73°13'09", Chittenden County, Hydrologic Unit 02010003, on right bank, 125 ft downstream from RR culvert, 0.25 mi upstream from mouth, 0.35 mi downstream from Pine Street culvert, 0.8 mi northwest from junction of US State Highways 189 and 7, 1.2 mi south of Post Office in Burlington, VT.
DRAINAGE AREA.-- About 0.6 mi^2. Unknown amount of drainage area affected by stormwater diversions.
PERIOD OF RECORD.--Discharge records: October 1999 to current year.
Water-quality records: October 1999 to current year.
GAGE.--Concrete control with v-notch weir, water-stage recorder, and crest-stage gage. Elevation of gage is 105 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 46 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 9	0700	87	4.13	July 18	1145	* 158	* 4.84
May 10	1830	60	3.74	Aug. 3	1215	55	3.66

Minimum daily discharge, .00 ft^3/s, October 3, January 17 to February 22, July 29, August 29-31, September 9-11,30.

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	.16	.23	.06	e.00	1.0	.52	.60	.23	.14	.28	.81
2	.00	.15	.19	.54	e.00	.96	.72	.66	.20	.06	.04	1.3
3	.00	.75	.24	.43	e.00	.71	1.9	.43	.15	.29	2.3	.24
4	1.3	.19	.49	2.5	e.00	.61	6.1	.39	.18	.22	.05	.28
5	.26	.14	.31	.59	e.00	.70	1.8	1.7	.12	.07	.03	.02
6	1.7	.12	.30	.23	e.00	.57	1.2	.81	.78	.04	.03	.01
7	.17	.10	.25	.17	e.00	.49	.84	.57	.39	.02	.03	.01
8	.15	.10	.20	.17	e.00	.55	1.7	.75	.34	.02	.04	.01
9	.11	.10	.18	.14	e.00	.85	2.6	16	1.6	.37	.27	.00
10	.30	.10	.18	2.1	e.00	.68	3.3	12	.48	.26	.02	.00
11	.48	.08	.15	1.8	e.00	.50	2.8	5.3	1.4	.04	.39	.00
12	.14	.08	.21	.42	e.00	1.3	2.7	2.6	.54	.02	.14	.05
13	.09	.12	.22	.24	e.00	.75	2.5	5.4	.57	.02	.03	1.3
14	1.8	.13	.21	e.08	e.00	.94	3.3	3.0	.77	.02	.43	.04
15	.48	.11	.51	e.02	e.00	.97	2.5	1.5	.96	.07	.10	1.6
16	.33	.09	.41	e.01	e.00	.82	1.5	1.4	.69	.80	4.0	.13
17	.39	.08	.26	e.00	e.00	.62	1.2	.97	.33	.58	.23	.02
18	.50	.07	.15	e.00	e.00	.51	.84	1.8	.31	e11	.04	.01
19	.25	.07	.11	e.00	e.00	.63	.72	1.0	.23	.49	.04	.01
20	.15	.73	1.4	e.00	e.00	.75	.62	.76	.14	.09	.03	.01
21	.11	.53	1.8	e.00	e.00	.77	3.7	.69	.12	.05	.03	.06
22	.13	.20	.41	e.00	e.00	.72	3.3	.67	.13	.03	.02	.03
23	5.4	.17	.25	e.00	e.30	e.65	6.0	.56	.11	.02	.52	.01
24	1.8	.13	.17	e.00	e2.3	e.60	5.4	1.5	.06	.02	.07	.52
25	.68	.10	.10	e.00	9.4	e.57	2.0	2.2	.06	.02	2.0	.02
26	.44	1.5	.11	e.00	5.9	e.52	1.4	.86	.06	.01	.01	.01
27	.37	4.1	.08	e.00	15	.48	1.0	.59	.93	.02	.01	.07
28	.33	.71	.03	e.00	11	1.4	.86	.44	.15	.01	.01	.04
29	.23	.41	.04	e.00	2.3	.96	.71	.36	.10	.00	.00	.01
30	.21	.30	.08	e.00	---	.64	.58	.30	.81	.02	.00	.00
31	.18	---	.06	e.00	---	.71	---	.25	---	.02	.00	---
TOTAL	18.60	11.62	9.33	9.50	46.20	22.93	64.31	66.06	12.94	14.84	11.19	6.62
MEAN	.60	.39	.30	.31	1.59	.74	2.14	2.13	.43	.48	.36	.22
MAX	5.4	4.1	1.8	2.5	15	1.4	6.1	16	1.6	11	4.0	1.6
MIN	.00	.07	.03	.00	.00	.48	.52	.25	.06	.00	.00	.00
CFSM	1.00	.65	.50	.51	2.66	1.23	3.57	3.55	.72	.80	.60	.37
IN.	1.15	.72	.58	.59	2.86	1.42	3.99	4.10	.80	.92	.69	.41

SUMMARY STATISTICS **FOR 2000 WATER YEAR**

ANNUAL TOTAL	294.14	
ANNUAL MEAN	.80	
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	16	May 9
LOWEST DAILY MEAN	a.00	Oct 2
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 17
INSTANTANEOUS PEAK FLOW	b158	Jul 18
INSTANTANEOUS PEAK STAGE	c4.84	Jul 18
ANNUAL RUNOFF (CFSM)	1.34	
ANNUAL RUNOFF (INCHES)	18.24	
10 PERCENT EXCEEDS	1.8	
50 PERCENT EXCEEDS	.23	
90 PERCENT EXCEEDS	.00	

a Also occurred on October 3, January 17 to February 22, July 29, August 29-31, September 9-11, 30.
b. From rating curve extended above 3.0 ft on basis of culvert computation.
c. From crest-stage gage.
e Estimated.

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--October 1999 to current year.
SPECIFIC CONDUCTANCE: October 1999 to current year.
WATER TEMPERATURE: October 1999 to current year.
DISSOLVED OXYGEN: October 1999 to current year.
pH: October 1999 to current year.
TURBIDITY: October 1999 to current year.
INSTRUMENTATION.--Water quality monitor July 1999 to current year.
REMARKS.--Specific conductance records rated excellent except for the following periods: October 5-19, November 4-23, January 12-16, May 18 to June 20 rated good; June 29 to September 19 rated poor. Water temperature records rated excellent except for the period February 28 to March 1 which is rated good. Dissolved oxygen records rated good except for the period May 25 to August 7 which is rated fair. pH records rated good except for the periods February 28 to March 2 and June 29 to August 2 which are rated fair. Turbidity records rated good except for the period May 23 to June 29 which is rated fair. Interruptions in the record due to malfunctions of the instrument. Extremes for current year are only for those values reported.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum 4,580 microsiemens January 4; minimum 186 microsiemens May 9.
WATER TEMPERATURE: Maximum 77.7°F September 1; minimum 32.1°F January 5.
DISSOLVED OXYGEN: Maximum 16.8 mg/L November 13; minimum 0.3 mg/L June 27.
pH: Maximum 8.2 units July 18; minimum 6.5 units June 29.
TURBIDITY: Maximum 1,400 NTU October 6; minimum 1.0 NTU May 25.

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	981	911	950	1030	1010	1020	944	889	919	1390	1240	1310
2	---	---	---	1050	1020	1030	971	944	956	1350	651	1080
3	---	---	---	1040	290	737	953	874	940	1160	945	1020
4	1070	189	753	1000	984	995	879	668	801	4580	697	1450
5	947	823	878	1020	1000	1010	885	873	879	1010	782	931
6	915	243	533	1040	1020	1030	908	786	883	1040	1010	1030
7	891	831	873	1060	1040	1050	919	747	857	1030	1010	1020
8	959	891	907	1070	1060	1070	954	919	935	1030	1010	1020
9	961	873	932	1070	1050	1060	980	954	965	1030	1010	1020
10	989	449	960	1090	1050	1080	985	974	981	1780	358	937
11	865	341	670	1090	1050	1080	1010	983	991	780	487	691
12	924	865	899	1130	1090	1120	1020	1010	1020	905	769	833
13	967	899	931	1100	994	1040	1030	1020	1020	1050	905	971
14	977	313	697	1110	1040	1100	1030	1010	1020	1170	1050	1120
15	831	759	787	1080	1020	1050	4110	959	1800	1280	1170	1240
16	905	831	867	1130	1080	1110	1120	917	1010	1300	1260	1280
17	949	903	926	1150	1130	1140	999	969	989	---	---	---
18	953	934	943	1170	1150	1160	1070	999	1020	---	---	---
19	1010	929	971	1170	1160	1160	1130	1070	1110	---	---	---
20	1040	1010	1030	1180	327	1090	1140	275	1030	---	---	---
21	1050	1040	1040	1100	409	904	820	513	736	---	---	---
22	1070	938	1050	1110	1060	1080	890	820	859	---	---	---
23	938	281	472	1070	1040	1050	942	890	917	---	---	---
24	672	480	599	1070	1040	1050	1060	942	995	---	---	---
25	803	671	742	1080	1070	1080	1120	1060	1100	---	---	---
26	859	803	834	1090	294	668	1130	1080	1110	---	---	---
27	898	859	878	674	278	553	1140	1080	1120	---	---	---
28	939	898	921	772	674	724	1250	1140	1210	---	---	---
29	955	933	942	838	772	804	1250	1230	1240	---	---	---
30	982	947	959	889	838	860	2030	1040	1380	---	---	---
31	1010	980	996	---	---	---	2160	1390	1620	---	---	---
MONTH	1070	189	860	1180	278	997	4110	275	1050	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

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
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	1030	949	1000	1110	1080	1100	815	742	798
2	---	---	---	1070	1000	1020	1100	656	1000	808	613	715
3	---	---	---	1880	1040	1370	1090	526	961	821	801	811
4	---	---	---	1310	1120	1190	1020	327	662	834	804	820
5	---	---	---	1470	1130	1220	846	758	809	902	360	760
6	---	---	---	1250	1190	1220	873	840	861	833	615	758
7	---	---	---	1230	1170	1210	943	840	892	817	781	801
8	---	---	---	1210	1120	1170	965	573	873	828	539	763
9	---	---	---	1160	1040	1110	1670	573	921	824	186	478
10	---	---	---	1150	1090	1100	3060	956	1670	598	263	477
11	---	---	---	1780	1100	1210	1060	816	885	556	383	485
12	---	---	---	2880	1250	1540	2480	835	1170	558	527	541
13	---	---	---	1740	1100	1310	953	775	888	616	286	542
14	---	---	---	1590	1130	1270	916	698	799	574	428	505
15	---	---	---	1130	999	1060	792	713	743	581	551	567
16	---	---	---	1250	994	1050	823	792	811	619	581	603
17	---	---	---	4330	1020	1940	870	805	837	613	588	603
18	---	---	---	2700	1250	1600	916	870	892	842	461	682
19	---	---	---	1520	1190	1330	932	910	921	811	744	771
20	---	---	---	1280	1120	1220	933	910	923	748	673	734
21	---	---	---	1180	1070	1130	1010	464	766	749	728	742
22	---	---	---	1100	1070	1090	738	509	685	787	719	758
23	---	---	---	1080	1030	1070	728	424	580	824	782	799
24	---	---	---	1080	1060	1070	617	350	525	854	446	756
25	---	---	---	1100	1080	1090	715	617	670	863	375	778
26	---	---	---	1100	1080	1090	738	713	722	775	757	765
27	---	---	---	1140	1080	1100	790	738	768	787	764	771
28	744	464	628	1420	886	1080	802	779	788	823	787	802
29	949	727	819	1220	1120	1170	798	782	791	829	810	818
30	---	---	---	1140	1110	1130	810	783	795	845	829	835
31	---	---	---	1120	1010	1080	---	---	---	873	845	856
MONTH	---	---	---	4330	886	1200	3060	327	857	902	186	706

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	877	866	871	1120	1050	1080	2290	716	1420	2890	248	1860
2	898	873	887	1270	1110	1170	1600	1090	1380	904	317	749
3	911	895	901	1270	680	1090	1980	298	1450	926	715	835
4	913	837	898	1140	681	1000	2650	1970	2370	996	630	796
5	914	787	867	1240	1140	1190	1970	1810	1850	1550	977	1210
6	918	453	707	1380	1240	1310	1820	1700	1780	1730	1510	1600
7	911	697	879	1500	1380	1440	1980	1580	1760	1970	1680	1820
8	900	519	831	1620	1500	1560	2070	1950	2000	2080	1830	1940
9	1010	362	789	1660	524	1350	2740	762	1400	---	---	---
10	876	811	839	1400	732	1060	2050	1620	1920	---	---	---
11	944	462	759	1490	1210	1330	2180	360	1370	---	---	---
12	918	846	863	1670	1440	1550	2000	1140	1780	2330	792	1950
13	895	610	817	1910	1650	1740	2110	1650	1890	998	282	829
14	939	610	883	1900	1820	1850	2150	620	1720	1410	998	1160
15	888	383	816	1900	939	1390	1580	871	1310	1510	339	869
16	843	513	794	2050	652	1230	1700	482	1020	1060	857	951
17	845	760	820	1380	782	1190	1440	1070	1190	1760	1060	1230
18	872	782	843	---	---	---	1870	1440	1720	1650	1350	1540
19	899	782	858	---	---	---	1930	1860	1890	1900	1540	1640
20	1020	892	953	1520	955	1180	2030	1870	1940	1700	1550	1610
21	1040	1020	1030	1720	1360	1590	2060	1950	2000	2090	692	1230
22	1050	915	1020	1660	1300	1550	2300	2000	2100	1780	697	1130
23	1060	967	1010	1680	1310	1590	2390	427	1460	1740	1130	1490
24	1150	1050	1080	1750	1580	1680	1720	659	1260	1860	232	892
25	1150	1120	1130	1860	1630	1750	1830	1520	1730	1380	879	1090
26	1180	1120	1140	1980	1800	1880	1900	1670	1790	1510	1250	1400
27	1200	301	908	1990	1730	1820	2140	1870	1990	1940	828	1560
28	1050	978	1010	2170	1870	1970	2160	1830	2040	1310	431	745
29	1140	912	1060	---	---	---	---	---	---	1540	1310	1430
30	1090	504	921	2340	1810	2030	---	---	---	---	---	---
31	---	---	---	2120	1850	1990	---	---	---	---	---	---
MONTH	1200	301	906	2340	524	1480	2740	298	1700	2890	232	1290

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, (DEGREES) FARENHEIT, 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	58.3	54.9	56.7	50.9	46.6	48.9	34.7	33.6	34.0	33.6	32.7	33.1
2	---	---	---	53.1	48.4	50.2	34.5	33.6	34.0	33.3	32.4	32.7
3	---	---	---	57.2	47.5	53.8	38.7	34.5	36.7	32.7	32.4	32.5
4	53.2	48.9	51.1	47.7	44.1	46.4	41.7	38.5	40.8	32.9	32.2	32.5
5	50.7	48.6	50.0	47.3	42.3	44.8	46.4	41.7	44.1	32.7	32.1	32.4
6	58.6	47.8	53.8	47.5	44.6	46.8	48.6	46.0	47.1	32.7	32.4	32.5
7	47.8	45.3	46.6	44.6	40.1	42.6	46.0	40.3	43.2	33.4	32.7	32.9
8	50.2	44.2	46.8	41.0	38.8	40.1	41.2	38.7	39.9	33.1	32.7	32.9
9	54.7	49.8	52.3	45.1	39.7	42.1	39.7	37.4	38.5	33.3	32.9	33.1
10	57.7	51.3	53.6	48.2	43.9	46.2	42.4	36.7	39.6	33.8	32.5	33.3
11	57.7	52.2	54.9	43.9	38.3	40.1	41.7	36.1	37.9	34.4	33.0	33.8
12	52.2	48.9	50.5	39.6	37.4	38.7	36.7	35.4	36.0	34.2	32.4	32.9
13	55.0	49.8	52.2	43.2	39.0	41.4	37.8	35.6	36.7	32.8	32.5	32.6
14	55.0	47.3	50.0	44.4	42.4	43.3	38.7	37.2	37.8	33.1	32.5	32.7
15	49.3	45.5	47.5	43.3	40.1	41.9	40.8	36.3	38.8	32.6	32.3	32.5
16	53.2	48.0	50.5	40.1	37.8	39.2	41.7	39.6	40.6	32.7	32.3	32.5
17	54.5	53.1	53.8	38.7	36.9	37.6	39.6	34.7	37.2	---	---	---
18	53.2	46.4	50.0	39.6	37.6	38.5	34.7	33.4	33.8	---	---	---
19	46.4	43.3	44.6	43.2	39.6	41.4	34.0	33.3	33.4	---	---	---
20	48.0	44.8	46.4	48.6	42.4	44.2	34.3	33.1	33.6	---	---	---
21	49.1	46.6	47.8	47.8	45.7	46.8	35.6	33.6	34.5	---	---	---
22	49.3	46.6	47.7	50.4	45.0	47.5	34.2	32.9	33.4	---	---	---
23	50.5	47.7	48.6	52.0	49.6	50.7	33.4	32.7	33.1	---	---	---
24	48.6	45.7	47.7	54.1	49.1	51.6	33.1	32.7	32.9	---	---	---
25	45.9	44.1	45.0	50.7	45.0	47.5	33.4	32.7	33.1	---	---	---
26	49.5	44.1	46.8	50.7	44.8	46.6	33.4	32.9	33.1	---	---	---
27	47.1	43.2	46.0	52.3	47.5	49.6	33.4	32.7	33.1	---	---	---
28	45.1	40.6	43.2	47.5	43.2	45.1	33.6	32.5	33.1	---	---	---
29	48.4	44.6	46.0	43.3	40.1	42.1	33.6	32.9	33.3	---	---	---
30	49.8	43.9	46.9	40.1	34.7	37.8	34.0	32.7	33.1	---	---	---
31	51.8	49.6	50.7	---	---	---	33.4	32.5	32.9	---	---	---
MONTH	58.6	40.6	49.2	57.2	34.7	44.5	48.6	32.5	36.4	---	---	---

WATER TEMPERATURE, (DEGREES) FARENHEIT, 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	---	---	---	38.4	33.9	36.1	51.8	39.3	44.7	51.6	43.6	47.2
2	---	---	---	40.0	36.0	37.6	45.0	43.2	44.1	57.4	46.7	50.8
3	---	---	---	36.5	34.6	35.4	44.3	42.4	43.5	60.5	43.9	51.5
4	---	---	---	40.5	33.8	36.5	47.3	43.9	45.6	62.5	47.9	54.9
5	---	---	---	39.1	35.5	36.9	44.6	40.7	42.6	63.8	54.7	58.8
6	---	---	---	40.7	33.8	36.4	42.1	39.0	40.7	58.8	55.1	56.6
7	---	---	---	40.0	33.9	36.9	45.7	40.7	42.8	66.6	55.6	60.2
8	---	---	---	43.2	35.1	38.8	51.9	42.2	45.5	59.0	56.0	57.4
9	---	---	---	47.0	39.6	42.7	43.0	32.4	36.0	61.8	55.7	58.2
10	---	---	---	39.6	34.0	36.2	43.6	36.0	39.2	58.5	54.0	55.6
11	---	---	---	35.8	33.8	34.4	43.1	36.9	39.6	54.8	52.3	53.5
12	---	---	---	35.9	34.0	35.1	44.1	36.2	39.1	59.2	51.0	55.2
13	---	---	---	39.1	33.2	34.9	48.0	36.3	41.5	61.5	55.3	57.8
14	---	---	---	39.4	33.2	35.5	48.5	37.9	42.8	58.9	54.3	56.9
15	---	---	---	41.7	35.8	38.6	56.6	42.6	49.1	54.3	51.6	53.0
16	---	---	---	38.9	34.0	37.5	50.2	42.5	46.2	56.7	49.9	53.3
17	---	---	---	35.0	32.9	33.6	45.7	39.8	42.5	58.5	51.7	55.2
18	---	---	---	34.5	32.8	33.4	47.5	40.7	44.0	58.6	53.5	55.5
19	---	---	---	37.3	32.8	34.3	49.4	42.5	45.4	53.5	48.9	51.0
20	---	---	---	41.9	33.6	36.8	53.5	44.7	48.2	52.5	46.9	50.1
21	---	---	---	45.6	34.5	39.1	46.8	44.4	45.9	54.1	50.7	52.2
22	---	---	---	47.5	36.2	41.0	46.8	43.8	45.0	57.5	51.9	54.1
23	---	---	---	48.6	37.4	42.2	44.5	42.8	43.8	57.7	53.3	55.2
24	---	---	---	48.9	38.2	42.6	46.8	42.6	44.3	59.2	54.5	56.6
25	---	---	---	44.5	37.3	41.5	52.4	41.0	45.7	58.5	54.6	56.4
26	---	---	---	46.2	40.4	43.1	46.6	41.0	44.2	57.0	54.0	55.2
27	---	---	---	46.9	38.1	42.5	48.9	43.1	45.4	56.5	53.2	54.6
28	38.3	34.6	35.7	46.3	41.4	44.0	54.9	43.2	47.7	56.7	52.9	54.4
29	38.0	34.3	35.5	43.4	39.7	41.5	57.5	43.5	50.1	58.2	52.1	55.2
30	---	---	---	42.3	39.1	40.7	56.4	44.4	49.3	61.0	52.7	56.9
31	---	---	---	49.6	38.9	43.2	---	---	---	61.8	55.0	58.3
MONTH	---	---	---	49.6	32.8	38.4	57.5	32.4	44.2	66.6	43.6	54.9

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, (DEGREES) FAHRENHEIT, 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	64.0	57.0	60.1	65.8	60.8	63.7	66.3	61.6	65.1	77.7	67.0	70.5
2	62.0	57.1	59.4	67.4	62.2	64.8	69.6	63.5	66.3	69.9	64.1	65.9
3	60.7	55.5	58.4	66.3	62.6	63.6	72.6	65.1	68.4	64.1	62.6	63.3
4	57.3	53.9	56.0	67.0	63.7	65.3	67.9	63.2	65.2	64.6	57.5	61.3
5	58.0	51.6	55.1	65.9	61.7	63.8	66.9	61.9	64.2	58.6	55.0	56.9
6	56.1	54.0	55.1	63.2	59.0	61.3	64.8	60.2	62.5	58.7	53.7	56.2
7	58.5	52.8	55.4	63.1	59.8	61.4	66.6	61.7	63.9	59.8	54.8	57.3
8	58.3	52.5	55.0	64.2	58.5	61.4	66.7	63.6	65.2	62.4	57.9	60.1
9	58.2	56.0	56.9	64.6	61.3	62.3	69.1	62.1	66.5	---	---	---
10	59.0	55.8	56.9	65.9	61.0	63.5	69.1	63.8	66.3	---	---	---
11	55.9	53.5	54.3	65.8	60.1	63.0	72.3	63.4	66.8	---	---	---
12	57.2	53.6	55.1	65.9	60.0	63.1	67.3	64.4	65.9	65.4	62.9	64.1
13	57.6	53.6	55.5	68.1	61.7	64.9	67.6	62.1	65.1	67.5	61.5	63.9
14	56.9	55.1	56.1	69.3	64.3	67.0	70.6	63.5	65.9	62.2	59.8	61.1
15	67.0	55.5	59.8	68.2	64.0	65.8	69.2	64.4	66.6	63.9	60.0	61.9
16	66.7	61.9	64.5	66.8	62.2	65.1	71.3	65.1	67.9	60.0	56.9	57.9
17	65.2	61.6	63.9	71.3	63.6	66.6	65.3	60.2	62.7	58.2	55.0	56.7
18	61.6	57.9	59.8	67.6	63.4	65.8	63.7	57.8	61.0	60.9	57.4	58.9
19	62.9	57.3	60.0	63.6	60.8	62.4	64.6	60.3	62.2	61.7	57.7	59.6
20	64.2	59.1	61.8	63.7	58.4	61.0	62.3	58.7	60.5	63.2	59.0	61.1
21	62.6	60.0	61.3	60.7	58.4	59.7	64.1	58.6	61.3	62.8	59.0	61.5
22	65.6	61.7	63.4	62.4	59.1	60.4	63.5	57.9	60.9	59.2	55.7	57.9
23	65.8	61.0	63.3	63.5	58.7	60.9	65.8	60.3	62.5	58.0	54.9	56.0
24	63.1	58.3	61.2	64.9	58.7	61.7	65.2	61.7	63.3	60.1	54.9	58.0
25	65.2	61.0	63.2	66.8	59.6	63.2	65.7	59.7	62.8	55.1	52.8	53.9
26	67.9	61.9	64.9	66.8	61.4	64.1	66.3	60.5	63.7	54.5	50.8	52.6
27	70.5	63.6	67.9	65.2	61.2	63.2	64.8	62.6	63.6	56.0	50.2	52.8
28	66.9	62.9	65.2	68.4	61.6	65.0	65.0	59.5	62.4	55.7	48.6	51.0
29	64.6	61.6	63.2	---	---	---	---	---	---	50.3	46.2	48.5
30	65.5	60.6	63.1	68.3	64.4	65.7	---	---	---	---	---	---
31	---	---	---	66.5	63.8	65.1	---	---	---	---	---	---
MONTH	70.5	51.6	59.9	71.3	58.4	63.5	72.6	57.8	64.2	77.7	46.2	58.8

OXYGEN DISSOLVED (MG/L), 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	---	---	---	10.7	7.2	8.5	14.0	11.9	12.9	13.1	9.8	11.5
2	---	---	---	9.8	6.1	8.1	13.8	11.7	12.7	14.4	10.9	12.7
3	---	---	---	8.0	6.2	7.1	13.3	11.0	11.9	14.7	12.6	13.6
4	---	---	---	9.7	6.9	8.3	11.5	10.4	10.9	14.2	11.8	13.4
5	---	---	---	11.3	7.6	9.1	13.0	9.3	10.8	14.2	13.0	13.7
6	---	---	---	10.9	6.8	8.5	11.9	9.0	9.8	13.9	12.4	13.2
7	---	---	---	11.3	6.8	8.9	13.2	8.8	10.6	13.5	12.4	12.9
8	---	---	---	11.7	8.1	9.8	14.9	10.4	12.0	13.8	12.2	13.0
9	---	---	---	12.4	6.7	9.7	14.8	10.5	12.2	13.2	12.1	12.7
10	---	---	---	8.2	5.5	7.2	14.6	10.1	11.8	14.1	11.7	12.9
11	---	---	---	11.6	7.4	9.4	14.9	9.7	12.1	14.0	12.9	13.4
12	---	---	---	13.7	8.4	10.3	14.7	11.1	12.5	14.4	13.1	13.6
13	---	---	---	16.8	4.8	9.8	13.5	11.1	12.0	14.3	12.3	13.5
14	---	---	---	9.9	6.7	8.1	15.5	10.8	12.4	13.4	11.7	12.6
15	---	---	---	12.4	6.4	9.2	12.7	10.7	11.7	12.2	10.0	11.3
16	---	---	---	12.4	7.4	9.7	12.2	10.9	11.4	10.4	8.0	9.1
17	---	---	---	15.1	7.8	10.9	14.8	11.4	12.8	---	---	---
18	---	---	---	12.1	6.5	9.2	15.4	12.3	13.6	---	---	---
19	---	---	---	12.8	6.2	9.6	15.0	12.3	13.2	---	---	---
20	---	---	---	13.0	7.1	9.1	14.7	11.4	13.0	---	---	---
21	---	---	---	9.6	6.9	7.8	14.3	12.6	13.8	---	---	---
22	---	---	---	11.2	4.9	7.9	14.4	12.7	13.6	---	---	---
23	---	---	---	9.7	6.2	8.0	14.7	12.8	13.6	---	---	---
24	---	---	---	10.7	7.4	8.4	14.6	12.1	13.4	---	---	---
25	11.6	9.9	10.8	12.0	6.7	8.9	13.5	11.4	12.5	---	---	---
26	11.2	9.6	10.4	10.4	7.9	9.6	13.1	11.1	11.9	---	---	---
27	11.2	9.6	10.4	10.1	9.4	9.7	13.8	11.3	12.4	---	---	---
28	12.2	9.7	10.8	10.8	9.4	10.1	---	---	---	---	---	---
29	11.6	9.0	9.9	12.3	10.0	10.9	15.4	8.8	11.2	---	---	---
30	11.3	8.3	9.8	13.6	10.8	11.9	14.2	8.9	10.8	---	---	---
31	9.4	7.5	8.3	---	---	---	12.6	9.1	11.2	---	---	---
MONTH	---	---	---	16.8	4.8	9.1	15.5	8.8	12.2	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

OXYGEN DISSOLVED (MG/L), 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	---	---	---	13.3	12.4	13.0	---	---	---	---	---	---
4	---	---	---	13.7	11.9	12.8	---	---	---	---	---	---
5	---	---	---	13.1	12.3	12.7	---	---	---	---	---	---
6	---	---	---	13.9	12.5	13.1	---	---	---	---	---	---
7	---	---	---	13.9	12.3	13.0	---	---	---	---	---	---
8	---	---	---	13.5	11.4	12.6	---	---	---	---	---	---
9	---	---	---	12.3	10.7	11.6	---	---	---	---	---	---
10	---	---	---	14.3	11.8	13.4	---	---	---	---	---	---
11	---	---	---	14.4	13.2	13.8	---	---	---	---	---	---
12	---	---	---	13.8	12.5	13.5	---	---	---	---	---	---
13	---	---	---	14.8	13.1	14.0	---	---	---	---	---	---
14	---	---	---	14.8	13.3	14.0	---	---	---	---	---	---
15	---	---	---	14.0	12.2	13.3	---	---	---	---	---	---
16	---	---	---	13.9	12.2	13.1	---	---	---	---	---	---
17	---	---	---	15.4	13.6	14.4	---	---	---	---	---	---
18	---	---	---	15.4	13.6	14.5	---	---	---	---	---	---
19	---	---	---	15.4	13.9	14.5	---	---	---	---	---	---
20	---	---	---	15.2	12.6	14.2	---	---	---	---	---	---
21	---	---	---	15.0	12.5	13.8	---	---	---	---	---	---
22	---	---	---	14.7	11.7	13.3	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	9.2	8.2	8.6
27	---	---	---	---	---	---	---	---	---	9.3	8.4	8.7
28	---	---	---	---	---	---	---	---	---	9.8	8.2	8.8
29	---	---	---	---	---	---	---	---	---	9.7	8.0	8.8
30	---	---	---	---	---	---	---	---	---	9.7	7.3	8.5
31	---	---	---	---	---	---	---	---	---	9.6	6.8	8.0
MONTH	---	---	---	15.4	10.7	13.4	---	---	---	---	---	---

OXYGEN DISSOLVED (MG/L), 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	9.1	6.5	7.5	8.1	4.2	6.5	7.8	1.7	4.5	---	---	---
2	8.5	5.6	7.0	6.8	1.4	4.7	6.0	1.9	3.5	---	---	---
3	10.3	5.8	7.4	7.8	1.4	4.0	8.0	1.4	4.4	---	---	---
4	9.5	6.3	7.7	7.9	4.9	6.6	4.7	1.8	3.3	---	---	---
5	10.4	5.6	7.4	7.4	4.3	5.6	3.7	1.3	2.5	---	---	---
6	8.7	5.9	7.8	5.6	2.6	4.0	4.2	2.2	3.1	---	---	---
7	10.1	7.5	8.7	6.6	2.7	4.1	5.7	1.2	3.2	---	---	---
8	9.2	6.2	8.1	6.0	2.4	3.8	4.9	2.8	3.9	---	---	---
9	9.0	6.1	7.9	8.8	2.3	4.9	8.4	3.1	4.8	---	---	---
10	9.0	7.5	8.2	8.7	4.4	6.8	5.9	2.5	4.0	---	---	---
11	9.4	7.8	8.7	6.8	3.2	4.7	7.9	2.2	4.2	---	---	---
12	9.5	8.2	8.8	6.1	2.6	4.1	7.8	2.5	5.0	---	---	---
13	9.7	8.2	8.8	6.8	2.4	4.2	6.1	2.0	3.6	---	---	---
14	10.0	8.3	9.1	6.1	2.6	4.2	8.3	1.8	4.5	---	---	---
15	10.2	6.9	8.5	6.5	1.4	4.2	7.2	2.9	5.3	---	---	---
16	8.1	6.3	7.3	8.5	1.4	6.6	9.3	2.5	7.7	---	---	---
17	7.8	5.7	6.4	8.1	4.9	6.2	8.4	4.8	6.7	---	---	---
18	8.7	5.8	7.3	8.5	6.3	7.2	6.3	3.3	4.5	---	---	---
19	9.3	5.4	7.2	8.0	7.1	7.5	5.4	1.7	3.5	---	---	---
20	8.9	4.8	6.5	7.1	2.8	5.3	6.7	1.4	4.0	---	---	---
21	7.2	4.9	5.8	3.7	2.4	3.0	---	---	---	---	---	---
22	8.9	4.8	6.0	4.1	1.6	3.1	---	---	---	---	---	---
23	8.9	3.7	6.0	4.3	.6	3.4	---	---	---	---	---	---
24	9.9	3.0	6.1	4.6	1.7	3.6	---	---	---	---	---	---
25	7.4	2.5	4.9	4.3	2.3	3.5	---	---	---	---	---	---
26	9.5	.8	4.7	4.5	2.8	3.9	---	---	---	---	---	---
27	7.6	.3	4.6	4.8	3.3	4.1	---	---	---	---	---	---
28	6.9	3.6	5.5	4.3	3.0	3.8	---	---	---	---	---	---
29	6.9	1.7	4.8	---	---	---	---	---	---	---	---	---
30	8.7	4.9	7.0	4.6	2.9	3.7	---	---	---	---	---	---
31	---	---	---	4.6	1.9	3.2	---	---	---	---	---	---
MONTH	10.4	.3	7.1	8.8	.6	4.7	9.3	1.2	4.3	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

PH, WATER, WHOLE, FIELD, STANDARD UNITS, 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	7.8	7.4	7.5	---	---	---	7.7	7.6	7.6	7.4	7.4	7.4
2	---	---	---	---	---	---	7.6	7.6	7.6	7.7	7.4	7.5
3	---	---	---	---	---	---	7.7	7.6	7.6	7.8	7.6	7.7
4	7.6	7.3	7.5	---	---	---	7.6	7.5	7.6	7.7	7.6	7.6
5	7.5	7.5	7.5	---	---	---	7.8	7.6	7.7	7.7	7.6	7.6
6	7.5	7.3	7.4	---	---	---	7.7	7.6	7.6	7.6	7.5	7.5
7	7.5	7.4	7.4	---	---	---	7.8	7.5	7.6	7.6	7.5	7.5
8	7.5	7.4	7.4	---	---	---	7.8	7.6	7.7	7.6	7.5	7.6
9	7.4	7.3	7.4	---	---	---	7.7	7.6	7.6	7.6	7.5	7.5
10	7.6	7.3	7.4	---	---	---	7.7	7.6	7.6	7.8	7.5	7.6
11	7.6	7.2	7.4	---	---	---	7.7	7.6	7.6	7.7	7.3	7.6
12	7.4	7.3	7.4	---	---	---	7.7	7.6	7.6	7.6	7.4	7.6
13	7.4	7.3	7.4	---	---	---	7.6	7.5	7.6	7.5	7.4	7.5
14	7.5	7.3	7.4	---	---	---	7.7	7.6	7.6	7.5	7.4	7.4
15	7.4	7.3	7.4	7.4	7.3	7.4	7.7	7.5	7.6	7.4	7.3	7.3
16	7.4	7.3	7.3	7.4	7.3	7.4	7.8	7.6	7.7	7.3	7.2	7.2
17	7.3	7.2	7.3	7.4	7.4	7.4	7.8	7.7	7.7	---	---	---
18	7.3	7.2	7.3	7.4	7.3	7.3	7.7	7.6	7.7	---	---	---
19	7.4	7.3	7.4	7.5	7.3	7.4	7.6	7.5	7.6	---	---	---
20	7.4	7.3	7.4	7.5	7.3	7.4	7.8	7.5	7.6	---	---	---
21	7.4	7.3	7.4	7.4	7.2	7.3	7.7	7.6	7.7	---	---	---
22	7.4	7.3	7.4	7.3	7.2	7.3	7.7	7.6	7.7	---	---	---
23	7.6	7.3	7.5	7.5	7.2	7.4	7.7	7.6	7.6	---	---	---
24	7.6	7.5	7.6	7.5	7.4	7.4	7.6	7.6	7.6	---	---	---
25	---	---	---	7.5	7.4	7.4	7.6	7.5	7.5	---	---	---
26	---	---	---	7.6	7.3	7.5	7.5	7.4	7.5	---	---	---
27	---	---	---	7.7	7.5	7.6	7.5	7.5	7.5	---	---	---
28	---	---	---	7.6	7.6	7.6	7.5	7.4	7.4	---	---	---
29	---	---	---	7.7	7.6	7.6	7.4	7.3	7.4	---	---	---
30	---	---	---	7.7	7.6	7.6	7.5	7.4	7.4	---	---	---
31	---	---	---	---	---	---	7.4	7.4	7.4	---	---	---
MONTH	7.8	7.2	7.4	---	---	---	7.8	7.3	7.6	---	---	---

PH, WATER, WHOLE, FIELD, STANDARD UNITS, 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	---	---	---	7.6	7.5	7.6	---	---	---	---	---	---
2	---	---	---	7.6	7.4	7.6	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	7.5	7.2	7.5	---	---	---	---	---	---	---	---	---
29	7.6	7.5	7.6	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

PH, WATER, WHOLE, FIELD, STANDARD UNITS, 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	---	---	---	7.4	7.1	7.2	7.5	7.1	7.3	7.7	7.3	7.4
2	---	---	---	7.3	7.0	7.2	---	---	---	7.9	7.5	7.7
3	---	---	---	7.6	7.0	7.1	---	---	---	7.8	7.5	7.6
4	---	---	---	7.5	7.2	7.4	---	---	---	7.8	7.4	7.5
5	---	---	---	7.3	7.1	7.2	---	---	---	7.5	7.3	7.4
6	---	---	---	7.2	7.0	7.1	---	---	---	7.4	7.3	7.4
7	---	---	---	7.3	7.1	7.2	---	---	---	7.4	7.3	7.3
8	---	---	---	7.2	7.1	7.2	7.1	7.0	7.0	7.3	7.2	7.2
9	---	---	---	7.6	7.1	7.2	7.6	7.0	7.0	---	---	---
10	---	---	---	7.7	7.4	7.5	7.0	6.9	7.0	---	---	---
11	---	---	---	7.5	7.4	7.4	7.5	7.0	7.1	---	---	---
12	---	---	---	7.5	7.4	7.5	7.4	7.0	7.1	7.3	7.2	7.2
13	---	---	---	7.6	7.5	7.5	7.1	7.0	7.0	7.6	7.3	7.5
14	---	---	---	7.7	7.5	7.6	7.5	7.0	7.1	7.3	7.1	7.2
15	---	---	---	7.8	7.4	7.6	7.2	7.0	7.1	7.8	7.1	7.5
16	---	---	---	7.9	7.4	7.7	7.7	7.0	7.5	7.6	7.5	7.6
17	---	---	---	8.1	7.6	7.7	7.5	7.2	7.3	7.5	7.3	7.4
18	---	---	---	8.2	7.6	8.0	7.2	7.1	7.1	7.3	7.3	7.3
19	---	---	---	8.0	7.5	7.8	7.2	7.1	7.1	7.4	7.3	7.3
20	---	---	---	7.7	7.5	7.6	7.3	7.2	7.2	7.3	7.3	7.3
21	---	---	---	7.7	7.1	7.5	7.3	7.2	7.3	7.4	7.2	7.3
22	---	---	---	7.8	7.6	7.6	7.4	7.2	7.3	7.5	7.3	7.3
23	---	---	---	7.7	7.5	7.6	7.7	7.3	7.3	7.4	7.3	7.4
24	---	---	---	7.7	7.3	7.5	7.4	7.2	7.2	7.7	7.3	7.5
25	---	---	---	7.3	7.0	7.1	7.2	7.2	7.2	7.6	7.4	7.5
26	---	---	---	7.1	7.0	7.0	7.3	7.2	7.3	7.5	7.4	7.4
27	---	---	---	7.0	7.0	7.0	7.3	7.2	7.2	7.5	7.4	7.4
28	---	---	---	7.1	7.0	7.1	7.4	7.3	7.3	7.6	7.3	7.4
29	7.4	6.5	7.2	---	---	---	---	---	---	7.6	7.5	7.6
30	7.6	7.1	7.4	7.3	7.1	7.2	---	---	---	---	---	---
31	---	---	---	7.2	7.2	7.2	---	---	---	---	---	---
MONTH	---	---	---	8.2	7.0	7.4	7.7	6.9	7.2	7.9	7.1	7.4

TURBIDITY (NTU), 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	300	2.8	20	140	2.0	8.2	4.3	2.5	3.1	---	---	---
2	---	---	---	64	2.1	5.9	4.1	3.1	3.6	---	---	---
3	---	---	---	99	1.0	14	12	3.3	4.8	---	---	---
4	120	4.6	31	4.1	2.0	3.1	20	2.0	6.6	---	---	---
5	4.8	3.0	3.7	6.0	3.2	4.3	4.5	2.2	2.9	---	---	---
6	1400	3.4	570	5.3	3.4	4.3	21	2.8	5.1	---	---	---
7	46	16	26	9.9	3.9	4.9	11	2.8	5.1	---	---	---
8	230	12	54	6.4	3.7	5.2	5.3	3.6	4.4	---	---	---
9	51	9.7	17	8.8	3.7	5.2	5.7	3.6	4.8	---	---	---
10	220	8.6	18	14	4.1	6.0	6.5	4.2	5.4	---	---	---
11	220	5.4	18	8.8	4.4	6.2	15	4.8	6.5	---	---	---
12	45	7.1	10	42	6.1	11	7.9	6.5	7.1	---	---	---
13	12	8.6	9.5	8.3	4.2	5.7	7.5	5.9	6.9	---	---	---
14	150	8.0	31	9.9	4.6	6.2	9.5	6.6	7.3	---	---	---
15	8.9	6.3	7.3	5.9	4.5	5.0	54	1.9	18	---	---	---
16	8.5	6.8	7.4	7.3	4.7	6.2	50	1.9	13	---	---	---
17	10	6.7	8.0	8.6	6.3	7.4	4.9	2.5	3.4	---	---	---
18	17	5.7	7.4	11	6.9	8.3	7.0	3.6	5.3	---	---	---
19	9.5	5.1	6.6	11	6.3	7.6	7.5	5.5	6.6	---	---	---
20	5.6	4.3	5.1	260	7.4	35	---	---	---	---	---	---
21	6.2	4.1	4.5	82	19	28	---	---	---	---	---	---
22	20	4.5	5.9	23	19	21	---	---	---	---	---	---
23	230	9.5	68	38	5.1	14	---	---	---	---	---	---
24	26	6.1	11	8.8	5.0	6.1	---	---	---	---	---	---
25	6.1	2.1	3.3	7.2	5.2	6.3	---	---	---	---	---	---
26	7.8	1.5	2.0	79	5.5	22	---	---	---	---	---	---
27	7.3	1.4	2.0	770	6.0	65	---	---	---	---	---	---
28	5.3	1.8	2.8	15	2.3	4.1	---	---	---	---	---	---
29	57	1.5	4.5	4.2	1.9	2.4	---	---	---	---	---	---
30	3.7	1.6	2.6	3.4	2.1	2.5	---	---	---	---	---	---
31	4.7	1.9	2.7	---	---	---	---	---	---	---	---	---
MONTH	1400	1.4	33	770	1.0	11	54	1.9	6.3	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

TURBIDITY (NTU), 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	---	---	---	---	---	---	---	---	---	26	4.6	9.9
2	---	---	---	---	---	---	---	---	---	24	5.1	8.5
3	---	---	---	---	---	---	---	---	---	20	4.5	8.3
4	---	---	---	---	---	---	---	---	---	31	4.7	8.4
5	---	---	---	---	---	---	---	---	---	500	5.8	62
6	---	---	---	---	---	---	---	---	---	240	4.8	24
7	---	---	---	---	---	---	---	---	---	29	4.7	10
8	---	---	---	---	---	---	130	5.8	29	63	5.0	15
9	---	---	---	---	---	---	60	8.4	19	1300	5.6	400
10	---	---	---	---	---	---	140	8.3	53	1000	29	260
11	---	---	---	---	---	---	54	8.0	17	840	41	130
12	---	---	---	---	---	---	81	9.2	26	170	16	56
13	---	---	---	---	---	---	38	5.7	14	---	---	---
14	---	---	---	---	---	---	170	6.5	36	---	---	---
15	---	---	---	---	---	---	44	9.4	18	---	---	---
16	---	---	---	---	---	---	17	6.2	8.6	---	---	---
17	---	---	---	---	---	---	13	5.4	7.1	---	---	---
18	---	---	---	---	---	---	14	5.0	6.9	300	9.7	76
19	---	---	---	---	---	---	8.8	4.3	5.8	10	4.7	6.6
20	---	---	---	---	---	---	11	4.7	6.0	12	4.4	6.3
21	---	---	---	---	---	---	580	5.0	81	10	4.2	5.6
22	---	---	---	---	---	---	74	9.7	25	10	4.4	5.6
23	---	---	---	---	---	---	150	6.6	56	27	4.3	6.7
24	---	---	---	---	---	---	80	12	35	67	4.7	17
25	---	---	---	---	---	---	16	6.8	10	280	1.0	33
26	---	---	---	---	---	---	13	5.2	7.2	25	4.8	8.1
27	---	---	---	---	---	---	8.6	4.7	5.7	15	4.0	5.3
28	---	---	---	---	---	---	23	4.5	7.9	6.2	4.2	5.1
29	---	---	---	---	---	---	14	4.3	6.5	9.5	4.7	6.0
30	---	---	---	---	---	---	13	4.0	6.7	7.8	5.3	6.0
31	---	---	---	---	---	---	---	---	---	12	5.7	7.2
MONTH	---	---	---	---	---	---	580	4.0	21	1300	1.0	46

TURBIDITY (NTU), 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	7.4	5.5	6.3	17	6.1	9.1	82	1.3	23	450	19	76
2	15	5.4	7.9	18	11	14	39	12	15	290	6.8	47
3	20	5.3	8.0	75	9.1	19	1300	12	110	84	4.4	9.4
4	31	6.0	11	10	6.1	8.1	20	9.5	13	74	3.8	11
5	14	6.3	8.5	25	9.9	12	27	12	15	25	6.3	10
6	98	6.4	22	16	12	14	22	11	14	36	8.1	12
7	11	4.8	5.8	18	12	14	42	11	16	20	10	13
8	64	6.2	14	22	11	15	20	9.8	13	20	8.2	11
9	140	4.4	27	---	---	---	330	11	42	---	---	---
10	21	5.2	6.7	88	8.8	18	15	11	13	---	---	---
11	120	5.7	27	18	9.1	13	300	11	33	---	---	---
12	7.7	4.7	5.6	38	10	15	68	11	15	140	11	21
13	55	4.4	12	30	8.2	15	21	10	12	560	6.7	38
14	33	4.1	7.8	30	9.0	12	150	9.9	26	14	7.5	11
15	860	4.5	43	50	7.0	15	29	10	13	190	9.3	39
16	860	4.4	31	92	8.3	23	960	12	95	14	6.2	7.7
17	---	---	---	130	7.6	25	18	7.5	11	16	7.6	12
18	---	---	---	1300	5.4	200	15	10	13	18	13	16
19	---	---	---	37	8.2	15	50	11	22	20	10	15
20	160	5.9	25	15	7.4	10	67	14	22	28	10	14
21	27	5.1	9.9	18	12	14	100	14	20	68	13	24
22	36	5.1	9.8	18	11	12	40	9.3	17	29	11	15
23	9.9	4.4	6.3	14	8.6	10	200	9.9	31	56	13	17
24	16	8.2	11	12	5.4	8.5	38	8.2	12	220	7.0	24
25	---	---	---	39	7.1	10	31	11	15	46	8.0	14
26	---	---	---	12	7.1	9.1	24	9.3	13	26	13	16
27	---	---	---	51	8.6	22	20	11	14	54	12	23
28	86	6.9	23	17	6.7	10	18	8.0	12	46	9.2	17
29	---	---	---	81	7.1	15	---	---	---	16	6.0	12
30	220	6.1	27	30	9.4	15	---	---	---	---	---	---
31	---	---	---	16	10	12	---	---	---	---	---	---
MONTH	860	4.1	15	1300	5.4	20	1300	1.3	24	560	3.8	20

04285500 NORTH BRANCH WINOOSKI RIVER AT WRIGHTSVILLE, VT

LOCATION.--Lat 44°17'58", long 72°34'45", Washington County, Hydrologic Unit 02010003, on right bank, at Wrightsville, 0.8 mi downstream from Wrightsville Detention Reservoir, and 3.5 mi upstream from mouth.
DRAINAGE AREA.--69.2 mi^2.
PERIOD OF RECORD.--Discharge records: October 1933 to current year.
Water-quality records: Water year 1957.
REVISED RECORDS.--WSP 1237: 1937: 1934-39.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 550.53 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to November 21, 1934, nonrecording gage at same site and datum.
REMARKS.--Records fair. Discharge affected since 1935 by Wrightsville Detention Reservoir (Reservoirs in Winooski River Basin). Flow regulated by powerplant at Wrightsville Detention Reservoir since September 1985. Occasional diurnal fluctuation at low flow caused by small mill upstream; more frequent diurnal fluctuation prior to 1968. Maximum discharge since construction of Wrightsville Detention Reservoir in 1935, 1,100 ft^3/s, July 5 and October 24, 1990, gage height 4.32 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1830, 17,200 ft^3/s, November 3, 1927, by computation of peak flow over dam 0.8 mi upstream.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,060 ft^3/s, May 10, gage height, 3.40 ft; maximum gage height, 3.75 ft, February 4 (ice jam); minimum daily discharge, 3.8 ft^3/s, September 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	83	179	e33	e177	351	353	218	78	46	33	27
2	85	70	148	39	e34	259	435	233	59	29	129	28
3	79	79	97	75	e35	220	747	234	57	28	65	27
4	99	114	102	152	e145	210	927	223	52	28	69	28
5	138	74	110	192	e34	207	976	272	49	27	42	56
6	113	68	108	182	e34	134	906	295	74	27	27	27
7	107	66	89	168	e33	115	853	257	229	26	27	30
8	74	59	76	105	e33	129	799	244	149	27	28	20
9	93	50	68	80	e33	184	768	465	109	33	42	14
10	103	59	68	71	e34	419	472	850	95	28	44	6.8
11	98	51	73	108	e60	361	339	987	95	23	27	3.8
12	89	42	94	132	e28	265	288	957	132	19	56	4.8
13	76	50	79	e80	e28	221	250	908	108	13	43	7.9
14	116	62	69	e110	e105	208	252	894	115	7.6	41	6.7
15	156	113	69	e87	e25	208	474	757	89	11	59	32
16	123	96	71	e38	e25	203	818	340	83	17	156	71
17	113	86	96	e82	e23	206	686	190	77	27	188	38
18	106	75	71	e90	e24	e114	336	172	57	45	69	27
19	101	74	44	e170	e60	170	268	415	56	35	52	27
20	91	85	46	e181	e56	134	246	285	33	30	41	32
21	101	185	121	e119	e56	137	412	211	34	27	47	23
22	92	212	132	e174	e16	191	774	186	40	27	30	16
23	342	237	95	e61	e15	214	800	128	29	27	35	13
24	779	207	70	e165	e48	374	774	173	27	30	140	13
25	530	195	53	e47	e104	514	550	356	31	19	80	15
26	255	196	53	e170	168	491	397	390	52	10	60	14
27	198	672	53	e82	176	512	319	262	50	7.9	31	9.3
28	193	798	e37	e44	398	701	268	196	63	5.6	28	8.5
29	119	529	39	e280	650	884	236	162	36	4.1	27	11
30	89	217	e42	e65	---	849	230	103	64	14	27	26
31	86	---	e38	e50	---	633	---	83	---	21	27	---
TOTAL	4905	4904	2490	3432	2657	9818	15953	11446	2222	719.2	1770	662.8
MEAN	158	163	80.3	111	91.6	317	532	369	74.1	23.2	57.1	22.1
MAX	779	798	179	280	650	884	976	987	229	46	188	71
MIN	74	42	37	33	15	114	230	83	27	4.1	27	3.8
MEAN(†)	158	168	75.1	112	99.7	316	529	367	74.2	23.7	57.6	19.0
CFSM(†)	2.28	2.43	1.08	1.62	1.44	4.57	7.64	5.30	1.07	0.34	0.80	0.27
IN(†)	2.63	2.72	1.25	1.86	1.55	5.27	8.53	6.11	1.20	0.40	0.93	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

MEAN	108	139	112	85.3	70.8	176	453	245	89.6	50.3	49.2	53.4
MAX	437	248	318	279	348	556	714	617	396	271	278	230
(WY)	1991	1984	1974	1998	1981	1936	1994	1972	1984	1973	1995	1938
MIN	6.00	25.9	28.0	17.5	14.6	21.4	121	47.3	15.8	7.91	8.47	5.10
(WY)	1964	1954	1948	1940	1980	1940	1995	1941	1949	1953	1942	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	42297.4		60979.0			
ANNUAL MEAN	116		167		136	
HIGHEST ANNUAL MEAN					226	1973
LOWEST ANNUAL MEAN					71.4	1965
HIGHEST DAILY MEAN	864	Apr 4	987	May 11	1620	Apr 17 1934
LOWEST DAILY MEAN	6.9	Aug 2	3.8	Sep 11	.20	Aug 13 1941
ANNUAL SEVEN-DAY MINIMUM	7.2	Sep 8	9.1	Sep 8	2.8	Aug 14 1970
INSTANTANEOUS PEAK FLOW			1060	May 10	a 2170	Apr 12 1934
INSTANTANEOUS PEAK STAGE			b 3.75	Feb 4	6.53	Apr 12 1934
10 PERCENT EXCEEDS	228		424		400	
50 PERCENT EXCEEDS	70		85		62	
90 PERCENT EXCEEDS	9.1		26		14	

a From rating curve extended above 1030 ft^3/s.
e Estimated.
(†) Adjusted for change in contents in Wrightsville Detention Reservoir.
b Ice jam.
NOTE: All statistics are based on unadjusted daily and monthly mean data.

RESERVOIRS IN WINOOSKI RIVER BASIN ABOVE MONTPELIER, VT

04283500 EAST BARRE DETENTION RESERVOIR.--Lat 44°09'18", long 72°26'42", Washington County, Hydrologic Unit 0201003, at dam on Jail Branch at East Barre, 4.5 mi upstream from mouth. **DRAINAGE AREA**, 38.8 mi^2. **PERIOD OF RECORD**, February 1936 (in WSP 1307), March and April 1936 (in WSP 798), May 1936 to August 1938 (in WSP 1307), September 1938 (in WSP 867), October 1938 to current year. **GAGE**, water-stage recorder. Datum of gage is above sea level (levels by U.S. Army Corps of Engineers). Prior to August 30, 1960, nonrecording gage, and August 30 to September 30, 1960, water-stage recorder, at present site at datum 1,127.9 ft above sea level.
Reservoir is formed by earthfill dam completed by U.S. Army Corps of Engineers in 1935 for flood control. Usable capacity, 525 million ft^3 between elevation 1,124.9 ft (bottom of outlet opening) and 1,165.0 ft (crest of spillway). Dam has no gates; below elevation 1,165.0 ft, outflow from reservoir is dependent on capacity of outlet opening near base of dam. Outlet-opening enlargement and reservoir-construction modifications completed in November 1959. Size of opening since enlargement, height, 7 ft and average width, 3.7 ft. Figures given herein represent usable contents, determined from capacity tables furnished by U.S. Army Corps of Engineers.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,163.9 ft, present datum, March 22, 1936; minimum not determined.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,142.76 ft September 4,5; minimum, not determined.

04285000 WRIGHTSVILLE DETENTION RESERVOIR.--Lat 44°18'38", long 72°34'31", Washington County, Hydrologic Unit 02010003, at dam on North Branch Winooski River at Wrightsville, 0.3 mi downstream from Long Meadow Brook, and 4.2 mi upstream from mouth. **DRAINAGE AREA**, 66.5 mi^2. **PERIOD OF RECORD**, November 1935 to February 1936 (in WSP 1307), March to May 1936 (in WSP 798), June 1936 to August 1938 (in WSP 1307), September 1938 (in WSP 867), October 1938 to current year. **GAGE**, water-stage recorder. Datum of gage is 612.75 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to July 28, 1960, nonrecording gage at present site at datum 612.75 ft above sea level.
Reservoir is formed by earthfill dam completed by U.S. Army Corps of Engineers in 1935 for flood control; modification of intake-structure works to create a recreational pool completed in June 1965. Usable capacity for recreation, 22 million ft^3 between elevations 612.75 ft (bottom of outlet opening) and 620.00 ft; for flood control, 851.5 million ft^3 between elevations 620.00 ft and 685.00 ft (crest of spillway). Reservoir used for storage of water for power September 1985 to current year. Usable capacity for storage of water power 774 million ft^3 between elevation 631.00 ft, sill of gate and 685.00 ft, crest of spillway. Total usable capacity 873.5 million ft^3. Figures given herein represent usable contents, determined from capacity tables furnished by U.S. Army Corps of Engineers.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 676.4 ft, present datum, March 22, 1936, from graph based on gage readings; minimum observed, 613.00 ft, August 17, 1949, and August 17-19, 1950.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 651.35 ft, May 11; minimum, 632.89 ft, September 22.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (millions of cubic feet)	Change in contents: Millions of cubic feet	Change in contents: Equivalent, cubic feet per second
		04283500 East Barre Detention Reservoir		
Sep. 30	1136.48	16.9	--	--
Oct. 31	1131.24	7.2	-9.7	-3.62
Nov. 30	1133.55	10.6	+3.4	+1.31
Dec. 31	1130.63	6.4	-4.2	-1.57
CAL YR 1999	--	--	-0.6	-0.02
Jan. 31	1130.78	6.6	+0.2	+0.07
Feb. 29	1136.87	18.0	+11.4	+4.55
Mar. 31	1137.04	18.6	+0.6	+0.22
Apr. 30	1134.31	11.9	-6.7	-2.58
May 31	1131.36	7.4	-4.5	-1.68
June 30	1131.78	7.9	+0.5	+0.19
July 31	1130.52	6.2	-1.7	-0.63
Aug. 31	1130.34	6.0	-0.2	-0.07
Sep. 30	1130.37	6.0	0.0	0.00
WTR YR 2000	--	--	-10.9	-0.34
		04285000 Wrightsville Detention Reservoir		
Sep. 30	633.61	98.5	--	--
Oct. 31	633.47	97.4	-1.1	-0.41
Nov. 30	635.11	110.4	+13.0	+5.02
Dec. 31	633.35	96.5	-13.9	-5.19
CAL YR 1999	--	--	-0.9	-0.03
Jan. 31	633.78	99.8	+3.3	+1.23
Feb. 29	636.27	120.0	+20.2	+8.06
Mar. 31	636.09	118.5	-1.5	-0.56
Apr. 30	635.17	110.9	-7.6	-2.93
May 31	634.31	104.0	-6.9	-2.58
June 30	634.35	104.3	+0.3	+0.12
July 31	634.53	105.7	+1.4	+0.52
Aug. 31	634.01	101.6	-4.1	-1.53
Sep. 30	632.96	93.5	-8.1	-3.12
WTR YR 2000	--	--	-5.0	-0.16

04286000 WINOOSKI RIVER AT MONTPELIER, VT

LOCATION.--Lat 44°15'23", long 72°35'36", Washington County, Hydrologic Unit 02010003, on right bank, 0.4 mi upstream from Dog River and 1 mi downstream from railroad depot at Montpelier.
DRAINAGE AREA.--397 mi^2.
PERIOD OF RECORD.--Discharge records: May 1909 to June 1914 (fragmentary), July 1914 to September 1923, August 1928 to current year.
REVISED RECORDS.--WSP 424: 1915. WSP 894: Drainage area. WSP 1437: 1912-14(M), 1915-18, 1919(M), 1920, 1921(M), 1922-23, 1929, 1933, 1934(M), 1936, 1937(M), 1938, 1946(M), WDR MA-NH-RI-VT-72-1: 1969(M), 1970(P), 1971(M).
GAGE.--Water-stage recorder. Datum of gage is 499.99 ft above sea level. Prior to June 16, 1914, nonrecording gage at site 0.9 mi upstream at different datum. June 16 to July 3, 1914, nonrecording gage at present site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by several small powerplants upstream, by Peacham Pond and, since 1926, by Mollys Falls Reservoir, combined usable capacity, 492 million ft^3, which regulated runoff from 24 mi^2, and by East Barre and Wrightsville Detention Reservoirs since 1935 (Reservoirs in Winooski River Basin).
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1830, 57,000 ft^3/s, November 3, 1927, gage height, 27.1 ft, from rating curve extended above 9,090 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,090 ft^3/s, May 10, gage height 10.54 ft; maximum gage height, 13.17 ft, February 28 (ice jam); minimum daily discharge, 95 ft^3/s, September 27.

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	732	366	756	e300	e188	e1200	1820	1060	573	302	178	123
2	389	387	663	e380	e220	e980	2110	1260	522	218	272	277
3	323	509	640	e450	e175	e850	3050	1080	448	196	217	233
4	408	537	663	e970	e220	e740	4540	935	412	268	308	189
5	587	429	630	e1450	e168	e700	3970	1080	382	218	201	209
6	461	410	620	e750	e163	e650	3090	1200	504	216	145	284
7	401	324	616	e640	e160	e585	2710	1110	1430	168	142	228
8	325	305	548	e540	e160	e640	2700	993	781	162	177	222
9	335	318	519	e470	e158	e1150	3150	1830	680	171	236	291
10	335	326	513	e455	e161	e2400	2560	3020	644	218	240	308
11	340	339	579	e1000	e170	e1370	1980	4700	527	201	193	216
12	352	295	481	e875	e160	e1080	1790	3120	718	159	186	187
13	298	311	462	e580	e160	e875	1550	2490	625	134	161	101
14	362	328	446	e400	e190	e750	1670	2870	594	128	176	117
15	532	457	450	e385	e160	830	2420	2220	541	124	340	246
16	403	457	568	e375	e150	998	2960	1530	484	153	599	369
17	338	419	670	e365	e140	910	2300	1180	479	220	632	196
18	338	358	520	e350	e138	672	1610	1230	459	297	353	150
19	340	366	335	e340	e147	726	1400	1950	381	235	250	178
20	321	447	414	e325	e150	678	1300	1360	321	245	182	199
21	373	621	723	e315	e150	738	1700	1100	304	257	203	226
22	346	627	781	e295	e152	977	2970	1020	279	183	246	175
23	1280	623	610	e280	e170	1290	2970	918	296	172	145	205
24	2040	558	e345	e275	e300	1720	3070	1140	226	164	307	306
25	1200	536	e280	e263	e600	1860	2660	1450	220	154	244	250
26	776	621	e470	e250	e1100	2320	2080	1340	329	109	185	121
27	636	2810	e400	e235	e975	2030	1870	1030	275	108	143	95
28	568	2420	e360	e222	e1800	3330	1720	854	282	105	121	106
29	482	1590	e370	e210	e2700	3670	1360	767	235	159	119	98
30	419	991	e340	e205	---	2910	1200	665	362	250	123	108
31	375	---	e310	e195	---	2330	---	617	---	215	120	---
TOTAL	16415	19085	16082	14145	11285	41959	70280	47119	14313	5909	7144	6013
MEAN	530	636	519	456	389	1354	2343	1520	477	191	230	200
MAX	2040	2810	781	1450	2700	3670	4540	4700	1430	302	632	369
MIN	298	295	280	195	138	585	1200	617	220	105	119	95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1923, 1928 - 2000, BY WATER YEAR (WY)

MEAN	387	519	490	431	391	906	1866	953	475	274	243	237
MAX	1432	1164	1504	1226	1475	3442	3275	2374	1785	1245	1008	934
(WY)	1946	1991	1984	1935	1981	1936	1933	1972	1947	1973	1990	1938
MIN	74.3	152	126	109	91.6	153	555	254	131	88.5	86.5	60.1
(WY)	1964	1979	1915	1940	1940	1940	1995	1921	1995	1991	1999	1921

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 1923, 1928 - 2000	
ANNUAL TOTAL	205846		269749			
ANNUAL MEAN	564		737		598	
HIGHEST ANNUAL MEAN					967	1976
LOWEST ANNUAL MEAN					270	1965
HIGHEST DAILY MEAN	3950	Sep 17	4700	May 11	12200	Mar 18 1936
LOWEST DAILY MEAN	53	Sep 5	95	Sep 27	17	Sep 3 1933
ANNUAL SEVEN-DAY MINIMUM	56	Sep 3	133	Aug 26	49	Sep 10 1957
INSTANTANEOUS PEAK FLOW			6090	May 10	17200	Apr 7 1912
INSTANTANEOUS PEAK STAGE			a 13.17	Feb 28	17.55	Jun 30 1973
10 PERCENT EXCEEDS	1160		1890		1420	
50 PERCENT EXCEEDS	400		400		330	
90 PERCENT EXCEEDS	89		160		119	

a Ice jam.
e Estimated.

04287000 DOG RIVER AT NORTHFIELD FALLS, VT

LOCATION.--Lat 44°10'58", long 72°38'27", Washington County, Hydrologic Unit 02010003, on right bank, 1 mi downstream from Northfield Falls, and 1.2 mi downstream from Cox Branch.
DRAINAGE AREA.--76.1 mi^2.
PERIOD OF RECORD.--Discharge records: October 1934 to current year. October 1934 monthly discharge only, published in WSP 1307.
Water-quality records: Water year 1957.
REVISED RECORDS.--WSP 1237: 1935-37.
GAGE.--Water-stage recorder. Datum of gage is 603.00 ft above sea level (levels by U.S. Army Corps of Engineers).
REMARKS.--Records good except those for estimated daily discharges, which are fair. Infrequent diurnal fluctuation at low flow by powerplant upstream; regulation much greater prior to 1955.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 28	1700	1,910	5.00	May 10	2130	* 3,370	* 6.52
Apr. 4	0945	2,280	5.44				

Minimum discharge, 14 ft^3/s, September 16.

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	128	81	176	62	e47	265	388	201	96	42	83	22
2	88	79	153	65	e45	218	475	244	92	35	92	21
3	76	144	146	183	e42	183	705	193	87	32	130	27
4	103	113	150	346	e40	156	1460	170	77	34	189	25
5	120	94	143	476	e38	145	738	205	71	32	83	23
6	101	86	134	e192	e38	133	488	192	142	29	60	22
7	89	80	125	e145	e37	128	417	185	e360	27	54	20
8	78	78	112	e125	e36	151	447	180	172	26	48	19
9	79	74	105	e115	e37	370	554	335	120	26	45	17
10	74	75	102	e105	e38	676	438	727	110	46	39	16
11	75	80	123	e215	e37	335	380	873	97	33	34	16
12	67	71	108	195	e38	288	356	410	104	27	37	16
13	61	73	103	e120	e36	223	314	339	95	24	34	17
14	67	83	99	e95	e36	197	342	449	105	22	41	16
15	65	97	101	e90	e36	202	587	305	e101	21	81	26
16	58	92	111	e88	e34	282	506	254	96	119	93	29
17	55	86	113	e85	e33	273	357	220	93	225	82	22
18	56	81	e92	e82	e31	212	296	274	91	117	60	19
19	51	84	e70	e80	e34	209	262	308	82	78	46	17
20	52	97	e85	e75	e35	186	237	234	70	55	39	17
21	56	199	167	e72	e34	194	323	212	64	45	36	17
22	51	161	126	e68	e34	243	518	193	62	43	32	17
23	395	135	106	e65	e36	347	638	176	51	37	35	15
24	374	117	e90	e63	e50	458	601	242	45	34	51	16
25	207	101	e85	e60	e130	449	427	232	44	30	38	17
26	150	183	e92	e60	211	674	343	194	51	28	32	16
27	127	964	e80	e56	189	519	334	166	46	27	29	15
28	110	396	e70	e52	678	1150	295	147	41	27	28	15
29	101	276	e70	e49	417	780	252	133	40	74	25	15
30	92	221	e66	e47	---	533	223	119	57	143	24	15
31	87	---	e60	e45	---	427	---	106	---	67	23	---
TOTAL	3293	4501	3363	3576	2527	10606	13701	8218	2762	1605	1723	565
MEAN	106	150	108	115	87.1	342	457	265	92.1	51.8	55.6	18.8
MAX	395	964	176	476	678	1150	1460	873	360	225	189	29
MIN	51	71	60	45	31	128	223	106	40	21	23	15
CFSM	1.40	1.97	1.43	1.52	1.15	4.50	6.00	3.48	1.21	.68	.73	.25
IN.	1.61	2.20	1.64	1.75	1.24	5.18	6.70	4.02	1.35	.78	.84	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2000, BY WATER YEAR (WY)

MEAN	73.2	107	112	92.2	88.6	212	420	194	81.3	42.6	38.4	39.7
MAX	301	245	349	264	439	831	785	463	357	176	219	259
(WY)	1978	1996	1984	1996	1981	1936	1969	1972	1947	1973	1976	1938
MIN	8.19	19.0	28.7	21.5	18.6	37.0	115	57.5	19.7	8.96	8.77	9.19
(WY)	1964	1954	1948	1940	1940	1940	1995	1941	1965	1965	1965	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1935 - 2000	
ANNUAL TOTAL	45520.8		56440			
ANNUAL MEAN	125		154		125	
HIGHEST ANNUAL MEAN					205	1976
LOWEST ANNUAL MEAN					51.6	1965
HIGHEST DAILY MEAN	1200	Sep 17	1460	Apr 4	4390	Mar 18 1936
LOWEST DAILY MEAN	7.3	Sep 5	a 15	Sep 23	4.3	Sep 7 1942
ANNUAL SEVEN-DAY MINIMUM	7.8	Sep 1	16	Sep 23	6.1	Jul 31 1965
INSTANTANEOUS PEAK FLOW			b 3370	May 10	b 10600	Jun 30 1973
INSTANTANEOUS PEAK STAGE			6.52	May 10	11.57	Jun 30 1973
INSTANTANEOUS LOW FLOW			14	Sep 16	4.3	Aug 31 1942
ANNUAL RUNOFF (CFSM)	1.64		2.03		1.64	
ANNUAL RUNOFF (INCHES)	22.25		27.59		22.32	
10 PERCENT EXCEEDS	258		376		275	
50 PERCENT EXCEEDS	80		90		64	
90 PERCENT EXCEEDS	13		27		17	

a Also occurred on September 27-30.
b From rating curve extended above 1,500 ft^3/s on basis of flow over dam at gage height 8.49 ft.
c Also occurred on September 5,6,14.
e Estimated.

04288000 MAD RIVER NEAR MORETOWN, VT

LOCATION.--Lat 44°16'42", long 72°44'37", Washington County, Hydrologic Unit 02010003, on left bank, at downstream side of highway bridge, 2.4 mi downstream from Moretown, and 3.8 mi upstream from mouth.
DRAINAGE AREA.--139 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
Water-quality records: Water years 1954-55, 1957, 1967-74.
REVISED RECORDS.--WSP 744: Drainage area. WSP 854: 1934(M). WSP 1114: 1929, 1930(M), 1936-37.
GAGE.--Water-stage recorder. Concrete control since October 13, 1933. Datum of gage is 543.93 ft above sea level (levels by Vermont Department of Highway). July 6 to November 4, 1910, nonrecording gage at same site at different datum. November 20, 1928, to September 27, 1930, nonrecording gage at same site at present datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional diurnal fluctuation at low flow; much greater regulation prior to 1958.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1830, 23,000 ft^3/s, November 3, 1927, gage height, 19.4 ft, from floodmarks, by computation of peak flow over dam at gage heights 9.98 ft, 11.51 ft, 16.34 ft, 19.4 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 9	2330	4,430	7.66	Apr. 4	1030	5,130	8.21
Mar. 28	1430	4,260	7.53	May 10	2230	* 7,570	* 9.96

Minimum discharge, 32 ft^3/s, September 23,27,29,30.

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	232	206	327	e160	e63	523	577	370	207	114	327	51
2	152	181	339	e162	e61	426	782	644	187	82	312	56
3	128	593	281	e400	e60	355	1300	449	180	69	430	66
4	196	357	314	e680	e58	304	3470	413	162	74	497	64
5	230	271	298	1110	e56	275	1700	654	150	70	231	56
6	190	229	274	e450	e55	243	919	575	179	58	160	47
7	171	204	242	e370	e54	232	788	533	628	53	146	43
8	144	188	211	e320	e54	295	782	524	310	51	142	41
9	157	176	193	e280	e53	1160	847	911	270	51	141	38
10	148	189	195	e260	e52	1730	686	2000	271	125	115	34
11	158	198	275	e340	e52	652	585	2420	224	83	92	34
12	140	167	225	e255	e52	e450	546	970	235	57	117	35
13	123	186	210	e200	e52	e360	476	721	217	47	103	48
14	138	202	200	e170	e51	e330	556	1180	244	42	102	40
15	138	267	203	e130	e52	367	1110	669	234	41	229	77
16	129	233	253	e118	e54	599	1090	524	188	315	402	85
17	124	219	261	e96	e54	474	679	452	181	463	327	51
18	134	201	200	e86	e53	e350	519	539	181	342	205	42
19	116	206	168	e78	e52	e325	454	689	164	269	155	38
20	119	324	317	e72	e54	323	420	481	136	162	127	35
21	136	769	e340	e66	e54	355	753	421	119	121	113	35
22	118	599	e280	e65	e54	414	1260	377	117	123	93	37
23	1120	600	e230	e64	e65	529	1250	344	98	108	116	33
24	1590	444	e180	e64	e130	647	1050	537	86	88	197	42
25	632	348	e152	e63	e420	618	724	560	101	74	123	45
26	408	504	e165	e64	e370	1050	587	521	127	64	95	36
27	331	1780	e157	e64	e350	733	537	415	119	60	82	33
28	273	795	e153	e63	e1500	2210	473	347	107	60	77	34
29	237	526	e162	e64	880	1450	419	305	80	107	66	33
30	213	409	e157	e63	---	926	408	265	130	339	63	32
31	226	---	e155	e64	---	674	---	234	---	165	56	---
TOTAL	8351	11571	7117	6441	4915	19379	25747	20044	5632	3877	5441	1341
MEAN	269	386	230	208	169	625	858	647	188	125	176	44.7
MAX	1590	1780	340	1110	1500	2210	3470	2420	628	463	497	85
MIN	116	167	152	63	51	232	408	234	80	41	56	32
CFSM	1.94	2.77	1.65	1.49	1.22	4.50	6.17	4.65	1.35	.90	1.26	.32
IN.	2.23	3.10	1.90	1.72	1.32	5.19	6.89	5.36	1.51	1.04	1.46	.36

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

MEAN	182	262	234	195	177	389	795	435	180	103	101	105
MAX	675	582	705	608	956	1324	1415	1114	840	367	734	588
(WY)	1978	1984	1974	1998	1981	1936	1969	1940	1947	1998	1976	1938
MIN	22.1	65.5	73.0	35.9	40.8	76.9	258	142	46.2	22.8	21.8	22.5
(WY)	1964	1954	1948	1981	1931	1956	1995	1941	1965	1933	1999	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	93765		119856			
ANNUAL MEAN	257		327		263	
HIGHEST ANNUAL MEAN					430	1976
LOWEST ANNUAL MEAN					133	1965
HIGHEST DAILY MEAN	3450	Sep 17	3470	Apr 4	6410	Jun 3 1947
LOWEST DAILY MEAN	11	Sep 4	32	Sep 30	2.9	Aug 18 1929
ANNUAL SEVEN-DAY MINIMUM	12	Sep 1	36	Sep 24	4.6	Aug 17 1929
INSTANTANEOUS PEAK FLOW			7570	May 10	a 18400	Sep 22 1938
INSTANTANEOUS PEAK STAGE			9.96	May 10	16.34	Sep 22 1938
INSTANTANEOUS LOW FLOW			b 32	Sep 23	1.4	Oct 1 1930
ANNUAL RUNOFF (CFSM)	1.85		2.36		1.89	
ANNUAL RUNOFF (INCHES)	25.09		32.08		25.71	
10 PERCENT EXCEEDS	514		699		592	
50 PERCENT EXCEEDS	171		200		138	
90 PERCENT EXCEEDS	22		53		39	

a From rating curve extended above 6,300 ft^3/s on basis of computations of flow over dam at gage heights 9.98 ft, 11.51 ft, 16.34 ft, 19.4 ft.
b Also occurred on September 27,29,30.
e Estimated.

04288500 WATERBURY RESERVOIR NEAR WATERBURY, VT

LOCATION.--Lat 44°22'54", long 72°46'13", Washington County, Hydrologic Unit 02010003, at dam on Little River 2.7 mi upstream from mouth and 3.5 mi north of Waterbury.
DRAINAGE AREA.--109 mi^2.
PERIOD OF RECORD.--Elevation: September 1937 to current year. September 1937 to September 1938 monthend contents only, published in WSP 1307.
GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Corps of Engineers). Prior to December 10, 1938, nonrecording gage at same site and datum.
REMARKS.--Records good. Reservoir is formed by earthfill dam completed by U.S. Army Corps of Engineers during summer of 1937 for flood control and storage of water for power. Usable capacity for storage of water for power, 1.58 billion ft^3 between elevations 500.0 ft and 592.0 ft, sill of taintor gate; for flood control, 1.23 billion ft^3, between elevations 592.0 ft and 617.5 ft, crest of spillway; total usable capacity, 2.81 billion ft^3.

Capacity table (elevation, in feet, and contents, in millions of cubic feet)

500.0	0	560.0	658.8
510.0	34.8	570.0	891.9
520.0	92.6	580.0	1,168.5
530.0	180.8	590.0	1,505.0
540.0	302.7	600.0	1,913.4
550.0	461.7		

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 613.45 ft, May 4, 1940; minimum observed, 501.30 ft, October 16, 1938, July 3, 12, 13, 1981.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 597.86 ft, May 11; minimum elevation, 548.94 ft, September 15.

ELEVATION (SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
INSTANTANEOUS OBSERVATION AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	589.74	588.03	590.69	585.54	570.66	569.15	584.64	590.74	588.66	590.29	566.90	549.85
2	590.03	587.16	589.91	585.81	570.13	569.14	584.91	590.87	588.98	590.42	566.07	550.09
3	590.04	586.67	589.15	586.32	569.29	569.29	586.36	590.63	588.98	590.07	565.66	550.09
4	589.89	585.82	589.53	587.07	569.29	569.61	591.37	590.48	589.23	590.03	564.91	550.41
5	589.74	584.94	589.45	587.36	568.05	569.85	592.78	591.48	589.29	589.98	563.55	550.26
6	589.63	585.03	589.16	587.19	566.71	569.68	592.68	591.69	589.44	589.89	562.60	550.14
7	589.45	585.34	588.28	586.81	565.36	569.46	592.50	591.98	589.72	589.94	561.64	550.04
8	589.26	585.40	588.10	586.17	564.69	569.40	592.52	591.95	589.69	590.04	560.70	549.95
9	589.65	585.43	588.09	585.95	e563.60	570.81	592.85	595.45	589.62	589.98	559.81	549.86
10	589.97	585.51	588.14	585.50	e562.90	572.92	592.57	596.34	589.78	589.08	558.33	550.00
11	589.92	585.20	588.60	585.38	562.55	573.84	592.23	598.31	590.28	588.10	557.41	549.91
12	589.84	584.94	589.04	584.89	562.82	574.26	591.92	597.10	590.27	587.04	556.33	549.85
13	589.64	584.83	588.89	584.07	562.24	574.05	591.52	596.14	590.10	586.04	555.22	549.90
14	589.92	585.21	588.71	583.52	561.69	573.53	591.35	595.79	589.92	585.20	554.12	549.81
15	590.06	585.38	588.60	582.96	561.50	573.48	592.89	594.31	589.73	584.19	553.27	549.44
16	590.05	585.47	588.54	582.01	560.94	573.37	593.60	593.05	589.51	583.20	552.68	549.99
17	590.00	585.40	588.43	581.14	560.69	573.00	593.02	592.27	589.45	582.28	551.92	550.40
18	590.00	585.18	588.25	580.15	560.24	572.90	592.48	592.32	589.73	581.56	550.67	549.88
19	589.85	584.87	588.45	579.48	560.08	572.90	592.09	592.20	589.63	580.68	550.15	549.84
20	589.69	585.10	588.41	578.75	559.77	572.97	591.83	591.79	589.26	579.63	550.25	549.60
21	589.52	586.16	588.53	578.15	559.49	573.00	592.94	591.28	588.92	578.56	550.06	549.82
22	589.47	587.05	588.41	577.52	558.84	572.88	593.46	590.68	588.65	577.46	549.85	549.75
23	592.35	588.59	588.07	576.64	558.83	573.64	593.63	590.05	588.70	576.39	549.64	549.93
24	593.66	589.31	587.83	575.83	558.02	575.01	593.44	590.12	588.89	575.24	550.09	550.13
25	592.92	589.33	587.68	575.12	558.65	576.47	592.92	590.47	589.08	574.03	550.22	550.24
26	592.30	589.62	587.57	574.22	559.39	577.93	592.48	590.72	589.00	572.76	550.18	550.18
27	591.76	592.45	587.22	573.74	561.31	579.43	592.11	590.43	589.46	571.57	550.12	550.01
28	591.07	592.40	586.81	572.84	568.22	583.10	591.71	589.91	589.72	570.57	549.98	550.00
29	590.31	592.00	586.46	572.31	569.03	584.70	591.35	589.27	589.89	569.75	549.88	550.22
30	589.51	591.43	586.13	572.60	---	585.02	591.09	588.52	590.11	568.50	550.12	550.15
31	588.84	---	585.69	571.47	---	584.90	---	588.29	---	567.65	550.00	---
MEAN	590.26	586.97	588.28	580.86	563.28	574.18	591.71	592.08	589.46	581.94	555.24	549.99
MAX	593.66	592.45	590.69	587.36	570.66	585.02	593.63	598.31	590.28	590.42	566.90	550.41
MIN	588.84	584.83	585.69	571.47	558.02	569.14	584.64	588.29	588.65	567.65	549.64	549.44
(†)	1463.8	1560.5	1352.6	930.5	868.4	1325.1	1547.2	1444.4	1509.2	835.0	461.7	464.4
(‡)	-14.7	+37.3	-77.6	-157.6	-24.8	+170.5	+85.7	-38.4	+25.0	-251.7	-139.4	+1.04

CAL YR 1999 MEAN 584.11 MAX 594.36 MIN 553.33
WTR YR 2000 MEAN 578.76 MAX 598.31 MIN 549.44

(†) Contents, in millions of cubic feet, at end of month.
(‡) Change in contents, equivalent in cubic feet per second.

e Estimated.

04289000 LITTLE RIVER NEAR WATERBURY, VT

LOCATION.--Lat 44°22'12", long 72°46'11", Washington County, Hydrologic Unit 02010003, on right bank, 1 mi downstream from Waterbury Reservoir, 1.7 mi upstream from mouth, and 2.5 mi north of Waterbury.
DRAINAGE AREA.--111 mi^2.
PERIOD OF RECORD.--Discharge records: July to October 1910 (gage heights only), October 1935 to current year. October, November 1935 monthly discharge only, published in WSP 1307. Prior to October 1962, published as Waterbury River near Waterbury.
REVISED RECORDS.--WSP 824: 1936.
GAGE.--Water-stage recorder. Concrete control since December 8, 1937. Datum of gage is 428.00 ft above sea level (levels by U.S. Army Corps of Engineers). July 7 to October 31, 1910, nonrecording gage at site 2 mi upstream at different datum.
REMARKS.-- Records good except those for estimated daily discharges, which are fair. Flow completely regulated by Waterbury Reservoir (station 04288500).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,520 ft^3/s, March 18, 1936, gage height, 19.38 ft; minimum daily discharge, 0.6 ft^3/s several times during summers of 1938-39, 1941, and 1944. Maximum discharge since construction of Waterbury Reservoir in 1937, 4,080 ft^3/s, December 9, 1937, gage height, 14.88 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,160 ft^3/s, May 11, gage height, 12.51 ft; minimum daily discharge, 11 ft^3/s, September 2,10,16,17,21,23.

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	321	555	562	119	329	446	557	567	25	15	330	78
2	17	553	560	25	345	290	559	569	25	15	323	11
3	119	553	559	246	206	271	565	567	142	227	317	73
4	259	551	428	298	218	188	589	566	21	108	432	83
5	255	518	338	480	328	185	656	571	94	89	425	42
6	218	112	403	477	436	268	743	570	167	90	322	73
7	233	18	352	330	435	275	698	535	176	33	335	66
8	205	96	274	367	347	266	664	570	196	16	353	59
9	17	104	183	341	247	320	742	1020	261	140	363	61
10	17	102	170	350	230	404	729	1980	132	463	414	11
11	198	235	94	477	228	189	638	1210	23	474	334	68
12	171	208	26	474	22	277	584	1460	237	476	377	59
13	206	167	259	472	225	454	571	1190	272	453	324	57
14	230	22	263	469	246	240	572	1120	281	465	327	66
15	186	189	240	332	153	296	604	1220	260	459	332	176
16	212	175	271	343	227	454	1020	1010	252	459	413	11
17	216	195	268	337	149	454	953	710	175	458	411	11
18	183	293	241	463	192	249	736	589	17	456	408	164
19	208	243	26	458	138	232	612	623	165	454	202	62
20	213	165	176	455	165	291	572	577	259	452	100	95
21	209	253	255	453	157	306	627	569	237	450	137	11
22	156	262	257	453	240	252	917	567	237	449	86	57
23	166	211	309	454	190	240	1010	566	125	446	180	11
24	909	324	237	453	275	207	1070	569	16	445	165	64
25	918	491	168	450	254	120	896	570	16	442	96	71
26	675	320	179	450	257	216	729	570	122	440	96	75
27	574	556	271	332	242	104	618	568	17	375	86	90
28	561	647	272	330	330	257	572	566	16	334	96	59
29	561	590	251	162	446	453	570	565	15	342	77	13
30	559	565	253	305	---	557	569	562	15	e330	12	65
31	556	---	327	442	---	550	---	315	---	e340	72	---
TOTAL	9528	9273	8472	11597	7257	9311	20942	23211	3996	10195	7945	1842
MEAN	307	309	273	374	250	300	698	749	133	329	256	61.4
MAX	918	647	562	480	446	557	1070	1980	281	476	432	176
MIN	17	18	26	25	22	104	557	315	15	15	12	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2000, BY WATER YEAR (WY)

MEAN	187	224	233	223	263	308	458	401	213	145	153	143
MAX	749	494	477	476	527	1121	1111	954	646	433	421	375
(WY)	1946	1996	1974	1991	1947	1936	1976	1940	1973	1973	1962	1938
MIN	18.9	10.4	9.39	16.8	53.3	12.0	72.4	28.8	1.31	31.4	28.5	30.4
(WY)	1942	1941	1939	1938	1936	1938	1940	1938	1938	1977	1999	1984

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1936 - 2000	
ANNUAL TOTAL	85081		123569			
ANNUAL MEAN	233		338		244	
HIGHEST ANNUAL MEAN					456	1976
LOWEST ANNUAL MEAN					146	1965
HIGHEST DAILY MEAN	1390	Sep 18	1980	May 10	4830	Mar 18 1936
LOWEST DAILY MEAN	17	Jul 23	a 11	Sep 2	b .60	Jul 10 1938
ANNUAL SEVEN-DAY MINIMUM	17	Jul 31	31	Jun 26	b .70	Jul 13 1938
INSTANTANEOUS PEAK FLOW			3160	May 11	6520	Mar 18 1936
INSTANTANEOUS PEAK STAGE			12.51	May 11	19.38	Mar 18 1936
10 PERCENT EXCEEDS	487		586		560	
50 PERCENT EXCEEDS	211		275		192	
90 PERCENT EXCEEDS	18		59		8.9	

a Also occurred on September 10,16,17,21,23.
b See Extremes for Period of Record.
e Estimated.

04290500 WINOOSKI RIVER NEAR ESSEX JUNCTION, VT

LOCATION.--Lat 44°28'44", long 73°08'21", Chittenden County, Hydrologic Unit 02010003, on right bank, 0.5 mi downstream from Muddy Brook and 2 mi southwest of Essex Junction.
DRAINAGE AREA.--1,044 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
Water-quality records: Water years 1953, 1976-79.
REVISED RECORDS.--WSP 714: 1930(M). WSP 894: Drainage area. WSP 1307: 1929(M).
GAGE.--Water-stage recorder. Elevation of gage is 185 ft above sea level, from topographic map; prior to October 1, 1964, datum was 1.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplants upstream, by Peacham Pond and Mollys Falls Reservoir, combined usable capacity, 492 million ft^3 by Waterbury Reservoir (station 04288500) since 1937, and by East Barre and Wrightsville Detention Reservoirs (Reservoirs in Winooski River Basin) since 1935. See table with station 04286000 for monthend contents in Peacham Pond and Mollys Falls Reservoir.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1830, 113,000 ft^3/s, November 4, 1927, gage height, 50.4 ft, present datum, from floodmarks, from rating curve extended above 25,000 ft^3/s on basis of computations of flow over dam at gage heights 19.72, 24.54, and 51.4 ft, and slope-area measurements at gage height 51.4 ft, all at present datum.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,200 ft^3/s, May 11, gage height, 14.38 ft; minimum daily discharge, 312 ft^3/s, September 30.

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	1840	e1540	2520	e1050	e820	4720	4430	2990	1540	879	1040	445
2	1280	e1530	2220	e900	e830	3330	4400	3510	1370	639	1420	471
3	872	e1880	2130	e1190	e810	2840	6890	3270	1370	670	1200	571
4	e645	e1900	2090	2500	e700	2240	12700	2900	1130	807	2140	618
5	e900	1780	2020	5640	e840	2050	13400	3610	1090	683	1400	563
6	1260	1380	1930	3080	e870	1920	7440	3640	1120	603	978	516
7	1240	1070	1880	2380	e890	1770	6240	3390	3220	524	890	597
8	1130	982	e1860	2200	e780	1900	5910	3220	2440	454	947	488
9	885	951	1480	1760	e750	3140	6750	6540	2200	435	1000	478
10	866	971	1380	1730	e740	8300	6260	8500	2120	969	1090	493
11	928	1090	1480	2780	e710	4280	5210	19600	1590	1110	902	497
12	1050	1080	1370	3100	e720	3170	4570	e10800	1960	960	1090	435
13	980	1020	1340	2000	e630	2960	3910	e8200	1910	889	923	465
14	1120	1020	1380	e1400	e690	2320	4090	e7300	1920	846	860	387
15	1330	1180	1360	e1090	e760	2370	6740	e6700	1850	856	1190	472
16	1230	1390	1510	e1120	e710	3050	8950	e6000	1710	891	1720	761
17	1100	1290	1810	e1020	e740	3180	6430	e5300	1450	1930	2580	579
18	1060	1260	1660	e1050	e650	2200	4550	e4700	1380	1730	1710	476
19	1050	1270	1000	e1090	e660	2100	3750	e4300	1280	1670	1180	507
20	1020	1410	852	e1070	e600	2130	3440	e3800	1170	1230	727	439
21	993	2930	1830	e1050	e640	2230	4130	e3400	1100	1150	646	425
22	1010	2790	2130	e980	e600	2600	7300	3050	1060	1090	756	444
23	2980	2670	1660	e930	e630	3090	8510	_3000	1020	1070	643	366
24	9810	2250	1470	e870	e660	3980	9020	3260	723	977	1080	483
25	5140	2100	e850	e860	e1380	4310	7220	4170	627	953	819	614
26	3130	1870	e900	e850	e2700	5110	5410	4070	868	867	669	482
27	2440	7990	e1050	e850	e4500	4790	4470	3400	943	804	565	387
28	2020	6970	e960	e850	13100	6470	4120	2980	828	679	512	352
29	1860	4170	e980	e890	11200	10700	3620	2740	664	724	468	321
30	1680	3140	e1000	e840	---	7010	3360	2510	764	1530	440	312
31	1580	---	e1000	e820	---	5570	---	2250	---	1090	367	---
TOTAL	54429	62874	47102	47940	50310	115830	183220	153100	42417	29709	31952	14444
MEAN	1756	2096	1519	1546	1735	3736	6107	4939	1414	958	1031	481
MAX	9810	7990	2520	5640	13100	10700	13400	19600	3220	1930	2580	761
MIN	645	951	850	820	600	1770	3360	2250	627	435	367	312

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

MEAN	1154	1604	1496	1349	1255	2614	5136	2818	1301	788	735	717
MAX	4587	3525	4549	3704	4266	9642	9256	6826	5027	3368	3284	3096
(WY)	1946	1984	1974	1998	1981	1936	1933	1972	1947	1973	1976	1938
MIN	245	389	378	350	337	554	1477	846	364	297	225	231
(WY)	1964	1954	1930	1931	1940	1940	1995	1965	1938	1965	1934	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	600148		833327			
ANNUAL MEAN	1644		2277		1746	
HIGHEST ANNUAL MEAN					2751	1973
LOWEST ANNUAL MEAN					832	1965
HIGHEST DAILY MEAN	12100	Apr 4	19600	May 11	41600	Mar 19 1936
LOWEST DAILY MEAN	154	Sep 4	312	Sep 30	24	Sep 7 1968
ANNUAL SEVEN-DAY MINIMUM	183	Sep 1	422	Sep 24	54	Aug 5 1964
INSTANTANEOUS PEAK FLOW			22200	May 11	45300	Mar 19 1936
INSTANTANEOUS PEAK STAGE			14.38	May 11	24.54	Mar 19 1936
10 PERCENT EXCEEDS	3130		5240		4000	
50 PERCENT EXCEEDS	1180		1340		1000	
90 PERCENT EXCEEDS	305		600		358	

e Estimated.

04292000 LAMOILLE RIVER AT JOHNSON, VT

LOCATION.--Lat 44°37'22", long 72°40'50", Lamoille County, Hydrologic Unit 02010005, on right bank, above falls, 0.7 mi upstream from bridge in Johnson, and 0.8 mi upstream from Gihon River.
DRAINAGE AREA.--310 mi^2.
PERIOD OF RECORD.--Discharge records: July to December 1910, June 1911 to December 1913 (monthly discharge only, January to March 1912, February 1913), September 1928 to current year.
Water-quality records: Water year 1953.
REVISED RECORDS.--WSP 894: Drainage area. WSP 1114: 1933, 1934(M). WSP 1237: 1912(M), 1930, 1932(M).
GAGE.--Water-stage recorder. Elevation of gage is 506.7 ft above sea level, by levels. Prior to December 31, 1913, nonrecording gage at bridge 0.7 mi downstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Some regulation by powerplant upstream.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 29	0215	5,640	10.99	May 9	2245	7,000	12.31
Apr. 4	1745	6,270	11.63	May 11	0730	* 9,070	* 13.98

Minimum daily discharge, 115 ft^3/s, September 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	661	349	533	e215	e197	1360	1280	814	419	261	268	131
2	537	339	448	e218	e199	953	1490	822	397	289	266	135
3	371	315	449	e350	e200	778	2260	842	302	248	302	141
4	343	337	545	e540	e200	655	4970	724	298	207	383	154
5	339	323	616	1110	e197	622	4020	1120	305	256	277	163
6	414	321	538	e720	e190	475	2170	1010	292	221	252	141
7	388	314	512	e450	e190	419	1930	799	721	188	193	132
8	370	287	472	e360	e197	435	1780	742	585	153	253	120
9	313	423	396	e340	e190	973	2170	3190	519	148	330	117
10	210	329	366	e360	e188	2200	1960	4520	555	185	319	115
11	305	304	432	e520	e188	1190	1570	7010	512	205	234	118
12	255	254	452	e700	e190	e750	1350	2660	586	226	247	129
13	251	255	440	e560	e193	e600	1120	1720	473	166	225	123
14	535	287	410	e340	e196	e560	1170	2060	428	136	205	132
15	691	556	478	e240	e200	e550	2500	1310	411	149	314	206
16	474	462	463	e150	e205	e760	3680	936	398	173	580	343
17	394	449	554	e250	e205	e660	2150	752	362	209	774	376
18	375	400	400	e245	e210	e600	1450	1020	316	230	450	291
19	363	362	185	e240	e205	e560	1250	1970	253	303	381	148
20	335	409	268	e230	e210	e540	1170	1140	217	236	301	135
21	253	1020	528	e230	e210	508	1830	814	222	152	167	135
22	328	927	676	e225	e200	748	3230	718	225	152	173	134
23	1170	788	362	e220	e203	1130	3040	682	244	153	174	134
24	2560	601	335	e220	e210	1630	3220	974	228	149	355	149
25	1280	551	e250	e215	e265	1620	2430	1410	224	147	352	176
26	836	607	e220	e210	e400	1610	1710	1440	208	144	256	176
27	593	3400	e218	e225	e700	1590	1370	1070	321	143	209	185
28	459	2200	e210	e205	e2500	2540	1220	746	444	139	184	150
29	390	1160	e200	e200	2350	4190	1060	615	356	172	136	174
30	363	731	e213	e197	---	2180	989	485	229	272	133	167
31	358	---	e210	e195	---	1610	---	403	---	286	132	---
TOTAL	16514	19060	12379	10480	10988	34996	61539	44518	11050	6098	8825	4930
MEAN	533	635	399	338	379	1129	2051	1436	368	197	285	164
MAX	2560	3400	676	1110	2500	4190	4970	7010	721	303	774	376
MIN	210	254	185	150	188	419	989	403	208	136	132	115
CFSM	1.72	2.05	1.29	1.09	1.22	3.64	6.62	4.63	1.19	.63	.92	.53
IN.	1.98	2.29	1.49	1.26	1.32	4.20	7.38	5.34	1.33	.73	1.06	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2000, BY WATER YEAR (WY)

MEAN	399	512	457	378	340	726	1635	800	411	272	252	256
MAX	1481	1173	1390	959	1624	2711	2868	1903	1344	1028	843	655
(WY)	1991	1991	1991	1996	1981	1936	1933	1972	1973	1973	1990	1938
MIN	84.1	140	162	93.0	114	157	556	245	123	88.5	77.6	93.6
(WY)	1964	1954	1948	1948	1934	1940	1995	1965	1988	1911	1999	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912 - 2000	
ANNUAL TOTAL	173411		241377			
ANNUAL MEAN	475		660		538	
HIGHEST ANNUAL MEAN					819	1973
LOWEST ANNUAL MEAN					305	1965
HIGHEST DAILY MEAN	4230	Sep 17	7010	May 11	13400	Aug 6 1995
LOWEST DAILY MEAN	52	Sep 2	115	Sep 10	16	Oct 26 1947
ANNUAL SEVEN-DAY MINIMUM	55	Sep 2	122	Sep 7	50	Aug 29 1934
INSTANTANEOUS PEAK FLOW			9070	May 11	19000	Aug 6 1995
INSTANTANEOUS PEAK STAGE			13.98	May 11	19.98	Aug 6 1995
INSTANTANEOUS LOW FLOW			109	Sep 14		
ANNUAL RUNOFF (CFSM)	1.53		2.13		1.74	
ANNUAL RUNOFF (INCHES)	20.81		28.97		23.59	
10 PERCENT EXCEEDS	881		1610		1170	
50 PERCENT EXCEEDS	343		359		291	
90 PERCENT EXCEEDS	76		160		132	

e Estimated.

04292500 LAMOILLE RIVER AT EAST GEORGIA, VT

LOCATION.--Lat 44°40'45", long 73°04'23", Franklin County, Hydrologic Unit 02010005, on right bank, at East Georgia, 0.5 mi upstream from railroad bridge, and 1 mi downstream from Beaver Meadow Brook.
DRAINAGE AREA.--686 mi^2.
PERIOD OF RECORD.--Discharge records: August 1929 to current year. Prior to October 1937, published as "near Milton". Water-quality records: Water years 1955, 1967-74.
REVISED RECORDS.--WSP 894: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 285 ft above sea level, from topographic map. Prior to December 1, 1937, at site 3.5 mi downstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Low flow regulated by powerplants upstream.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1045	Ice Jam	* 18.14	May 11	2030	* 14,600	10.20
Apr. 5	0830	12,400	9.62				

Minimum daily discharge, 272 ft^3/s, September 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	1350	933	1490	e630	e540	e3800	3020	1940	936	798	613	311
2	1190	874	1190	e700	e560	2850	3030	1990	921	726	618	313
3	912	957	1160	e1120	e560	2180	4600	2020	821	646	515	381
4	918	963	1490	e1700	e560	1670	8380	1760	709	836	775	412
5	1010	876	1660	e2850	e560	1460	11300	2870	630	810	640	444
6	939	825	1460	2340	e550	1320	5930	2930	696	705	493	379
7	927	793	1310	e1300	e570	1100	4130	2230	984	543	487	334
8	841	703	1200	e1040	e540	1200	3810	2020	1150	503	572	312
9	812	659	1060	e920	e520	2290	4460	5890	990	441	602	289
10	793	803	986	e880	e530	4830	4190	11500	1030	472	629	278
11	811	686	1200	e1550	e500	3690	3490	12800	1000	658	525	272
12	916	699	1210	e2150	e490	e1700	2950	9780	1150	581	779	279
13	778	614	1110	e1200	e470	e1480	2510	4240	1020	487	578	326
14	1180	661	1070	e960	e500	e1350	2710	4540	890	404	466	355
15	1910	961	1050	e780	e540	e1340	5000	3390	849	384	528	402
16	1330	1150	1170	e680	e530	e1900	8210	2340	1050	409	826	674
17	1100	1000	1370	e640	e560	e1800	5710	1910	928	447	1420	786
18	1020	948	1170	e630	e530	e1450	3460	1820	854	600	1050	673
19	931	904	743	e620	e550	e1370	2750	3520	791	850	779	478
20	859	1200	699	e620	e530	e1350	2510	2600	581	588	711	370
21	802	2750	1310	e600	e520	e1370	3230	1920	550	470	592	335
22	761	2800	1410	e590	e560	e1550	5760	1600	580	408	450	334
23	2410	2580	1280	e580	e570	2300	6390	1420	604	453	431	326
24	7420	1970	1030	e580	e590	3260	7640	1590	563	417	739	352
25	4610	1500	e790	e670	e800	3520	5920	2620	526	368	817	517
26	2390	1520	e740	e600	e1100	3450	3980	3420	490	348	635	520
27	1750	5550	e800	e630	e3000	3380	3090	2620	612	330	500	465
28	1310	6270	e690	e590	e5700	4100	2630	1940	1070	334	457	414
29	1120	3150	e650	e630	e4800	8010	2280	1510	811	743	405	320
30	1000	2020	e680	e570	---	6020	2190	1250	670	939	341	396
31	957	---	e730	e550	---	3880	---	1000	---	710	324	---
TOTAL	45057	47319	33908	29900	28330	80970	135260	102980	24456	17408	19297	12047
MEAN	1453	1577	1094	965	977	2612	4509	3322	815	562	622	402
MAX	7420	6270	1660	2850	5700	8010	11300	12800	1150	939	1420	786
MIN	761	614	650	550	470	1100	2190	1000	490	330	324	272
CFSM	2.12	2.30	1.59	1.41	1.42	3.81	6.57	4.84	1.19	.82	.91	.59
IN.	2.44	2.57	1.84	1.62	1.54	4.39	7.33	5.58	1.33	.94	1.05	.65

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

MEAN	996	1304	1102	901	800	1658	3652	1853	962	640	605	632
MAX	3330	2695	3076	2197	4101	5622	6211	4022	2545	2609	1885	1987
(WY)	1946	1984	1974	1998	1981	1936	1933	1940	1973	1998	1976	1938
MIN	237	306	405	224	293	399	1253	638	293	223	198	218
(WY)	1954	1954	1948	1948	1962	1940	1995	1987	1988	1991	1934	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	410985		576932			
ANNUAL MEAN	1126		1576		1258	
HIGHEST ANNUAL MEAN					1776	1976
LOWEST ANNUAL MEAN					791	1965
HIGHEST DAILY MEAN	8190	Sep 18	12800	May 11	21700	Mar 19 1936
LOWEST DAILY MEAN	125	Sep 3	272	Sep 11	74	Sep 26 1964
ANNUAL SEVEN-DAY MINIMUM	129	Sep 2	299	Sep 7	122	Aug 30 1934
INSTANTANEOUS PEAK FLOW			14600	May 11	23700	Apr 18 1982
INSTANTANEOUS PEAK STAGE			a 18.14	Feb 28	a 21.64	Mar 6 1979
ANNUAL RUNOFF (CFSM)	1.64		2.30		1.83	
ANNUAL RUNOFF (INCHES)	22.29		31.29		24.92	
10 PERCENT EXCEEDS	2270		3520		2800	
50 PERCENT EXCEEDS	840		917		712	
90 PERCENT EXCEEDS	225		443		298	

a Ice jam.
e Estimated.

04292700 STONE BRIDGE BROOK NEAR GEORGIA PLAINS, VT

LOCATION.--Lat 44°42'13", long 73°10'54", Franklin County, Hydrologic Unit 02010005, on left bank, 20 ft upstream from Lake Road culvert, 0.1 mi downstream of small left bank tributary, 1.0 mi upstream of large right bank tributary, 1.3 mi west of West Georgia, 1.5 mi southwest of Georgia Plains, and 2.8 mi upstream of mouth.
DRAINAGE AREA.--8.45 mi^2.
PERIOD OF RECORD.--Discharge records: February 1963 to September 1974, March 1990 to current year (discontinued).
GAGE.--Water-stage recorder. Elevation of gage is 150 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 75 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 27	1630	* 342	* 6.18	May 9	1715	285	5.87
Apr. 4	1330	103	4.56	May 11	0215	153	5.01
Apr. 15	0345	79	4.30				

Minimum discharge, .75 ft^3/s, September 10, 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	12	4.9	7.4	2.7	e3.6	30	18	8.1	4.0	2.5	4.3	1.1
2	8.8	4.5	5.9	e4.0	e3.6	23	15	10	3.9	2.2	5.4	1.0
3	4.9	5.0	6.7	8.5	e3.5	17	25	8.8	3.5	4.1	5.2	1.2
4	9.4	5.8	13	11	e3.4	15	74	7.4	2.8	6.6	3.5	1.4
5	15	5.4	15	15	e3.4	14	43	15	2.5	4.3	2.1	1.2
6	9.8	4.4	11	11	e3.3	15	24	14	3.6	2.8	1.6	1.1
7	6.4	3.9	9.3	6.3	e3.2	16	20	11	4.7	1.9	1.6	1.0
8	4.7	3.3	8.5	4.8	e3.3	15	22	10	4.2	1.7	1.5	1.0
9	4.4	3.3	7.7	4.2	e3.2	27	32	112	5.6	1.5	1.9	.93
10	3.7	3.2	7.1	5.6	e3.2	31	32	90	5.7	1.7	1.6	.80
11	4.1	2.9	8.4	18	e3.3	18	30	101	6.1	1.4	1.4	.89
12	4.7	2.9	8.2	17	e3.2	12	27	42	5.9	1.3	1.5	1.2
13	4.5	3.3	7.2	12	e3.2	13	25	25	4.7	1.2	1.3	2.4
14	6.8	3.6	6.5	e6.1	e3.0	14	33	29	4.2	1.0	1.4	2.0
15	11	4.6	6.8	e5.2	e3.0	14	68	20	4.1	1.0	1.2	5.5
16	7.8	4.8	7.8	e5.0	e3.0	27	48	15	6.0	2.1	2.3	4.8
17	5.9	4.3	8.4	e4.9	e2.9	17	27	12	5.5	2.1	1.9	3.7
18	6.1	3.7	6.6	e5.2	e2.8	19	19	15	4.5	2.4	1.8	2.5
19	5.6	3.7	6.7	e5.0	e2.9	14	15	24	4.0	2.2	1.8	2.0
20	4.6	4.1	e10	e5.0	e3.2	13	10	16	3.1	1.9	1.7	1.8
21	3.9	6.7	16	e4.9	e3.1	13	15	13	2.5	1.7	1.2	1.7
22	3.7	8.1	e12	e4.5	e3.7	13	21	11	2.7	2.5	1.1	1.4
23	12	6.3	e8.3	e4.3	e4.6	14	25	9.2	2.7	2.8	1.6	1.4
24	38	5.3	e6.0	e4.3	e6.5	14	58	12	2.4	2.2	2.5	3.2
25	24	4.6	e4.6	e4.2	e30	13	38	15	2.0	1.9	1.8	2.9
26	13	7.3	e4.1	e4.1	e70	13	20	14	1.7	1.4	1.5	2.6
27	8.8	29	e3.7	e4.0	230	12	15	11	4.1	1.1	1.3	2.2
28	7.0	26	e3.4	e3.7	169	15	12	8.3	3.4	1.1	1.3	2.6
29	5.9	14	e3.2	e3.5	56	30	10	7.0	2.5	2.0	1.2	2.3
30	5.2	9.5	2.7	e3.5	---	22	8.8	5.6	2.1	6.9	1.2	2.2
31	5.2	---	2.9	e3.6	---	19	---	4.5	---	3.2	1.1	---
TOTAL	266.9	198.4	235.1	201.1	637.1	542	829.8	695.9	114.7	72.7	60.8	60.02
MEAN	8.61	6.61	7.58	6.49	22.0	17.5	27.7	22.4	3.82	2.35	1.96	2.00
MAX	38	29	16	18	230	31	74	112	6.1	6.9	5.4	5.5
MIN	3.7	2.9	2.7	2.7	2.8	12	8.8	4.5	1.7	1.0	1.1	.80
CFSM	1.02	.78	.90	.77	2.60	2.07	3.27	2.66	.45	.28	.23	.24
IN.	1.17	.87	1.03	.89	2.80	2.39	3.65	3.06	.50	.32	.27	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1974, 1990 - 2000, BY WATER YEAR (WY)

MEAN	6.40	9.72	9.49	7.55	6.26	14.4	22.6	10.6	4.93	4.79	4.02	3.50
MAX	22.0	19.9	30.5	26.1	22.0	27.3	47.6	26.1	19.1	18.3	11.9	9.95
(WY)	1991	1997	1974	1998	2000	1998	1994	1996	1973	1990	1973	1973
MIN	1.79	2.95	3.78	2.79	1.75	2.64	5.98	3.85	1.23	.81	1.02	.88
(WY)	1965	1967	1967	1967	1964	1965	1995	1995	1963	1966	1999	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1963 - 1974, 1990 - 2000	
ANNUAL TOTAL	2170.01		3914.52			
ANNUAL MEAN	5.95		10.7		8.61	
HIGHEST ANNUAL MEAN					12.7	1998
LOWEST ANNUAL MEAN					4.15	1965
HIGHEST DAILY MEAN	45	Mar 23	230	Feb 27	312	Dec 2 1996
LOWEST DAILY MEAN	.29	Sep 2	.80	Sep 10	.12	Jul 12 1995
ANNUAL SEVEN-DAY MINIMUM	.32	Aug 30	.99	Sep 5	.17	Jul 10 1995
INSTANTANEOUS PEAK FLOW			a 342	Feb 27	a 1030	Jan 19 1996
INSTANTANEOUS PEAK STAGE			6.18	Feb 27	8.59	Jan 19 1996
INSTANTANEOUS LOW FLOW			b .75	Sep 10	.10	Jul 12 1995
ANNUAL RUNOFF (CFSM)	.70		1.27		1.02	
ANNUAL RUNOFF (INCHES)	9.55		17.23		13.85	
10 PERCENT EXCEEDS	12		24		18	
50 PERCENT EXCEEDS	4.6		4.9		4.7	
90 PERCENT EXCEEDS	.63		1.5		1.4	

a From rating curve extended above 70 ft^3/s.
b Also occurred on September 11.
e Estimated.

04293000 MISSISQUOI RIVER NEAR NORTH TROY, VT

LOCATION.--Lat 44°58'22", long 72°23'15", Orleans County, Hydrologic Unit 02010007, on right bank, 200 ft upstream from Big Falls, 1.5 mi downstream from Jay Branch, and 2.2 mi upstream from North Troy.
DRAINAGE AREA.--131 mi^2.
PERIOD OF RECORD.--Discharge records: August 1931 to current year.
REVISED RECORDS.--WSP 924: 1940. WSP 1114: 1933(M), 1936-39.
GAGE.--Water-stage recorder. Elevation of gage is 580 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional regulation at low flow caused by small powerplant upstream; greater regulation prior to 1967.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s, July 15, 1997, gage height, 13.84 ft; minimum, 9.4 ft^3/s, August 28, 1949.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 29	0645	3,520	7.97	May 11	0945	3,790	8.26
Apr. 4	2000	* 3,960	* 8.44				

Minimum discharge, 39 ft^3/s, September 11, 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	186	254	e97	e72	e700	621	463	168	158	72	42
2	169	161	227	e100	e74	e640	873	732	152	110	84	78
3	130	155	241	e350	e74	e530	1580	564	143	97	71	126
4	142	142	362	e440	e68	e310	3190	519	127	302	104	103
5	298	125	400	e520	e66	e270	2460	913	118	175	61	91
6	353	116	313	e240	e66	256	889	652	137	119	52	64
7	294	109	272	e195	e67	246	887	652	200	96	56	54
8	190	106	221	e175	e69	313	957	572	146	91	77	48
9	275	102	191	e168	e71	993	1220	1570	170	81	81	45
10	236	108	187	164	e74	1890	831	1940	137	403	66	42
11	413	107	387	380	e76	717	611	3040	499	293	62	40
12	265	96	303	393	e78	456	504	1020	374	141	88	40
13	185	100	255	e190	e77	322	419	585	223	100	57	83
14	524	160	228	e160	e79	250	525	636	172	82	49	62
15	457	393	214	e145	e82	308	1670	420	155	85	56	128
16	266	260	268	e130	e83	1030	2330	329	337	82	193	264
17	222	215	300	e120	e84	649	918	272	234	83	177	175
18	233	193	189	e112	e84	356	583	466	185	136	126	136
19	191	191	117	e103	e84	323	534	793	154	116	90	104
20	160	319	147	e98	e85	299	564	396	125	79	83	78
21	152	993	369	e94	e85	305	1100	306	110	67	80	66
22	140	759	277	e85	e85	431	1650	267	187	79	65	61
23	782	962	180	e82	e90	694	1580	235	138	95	77	54
24	1770	629	138	e78	e130	1050	1860	318	107	73	228	94
25	728	416	102	e76	e350	985	1180	699	95	62	131	101
26	398	519	e113	e74	e330	1100	839	775	99	55	82	73
27	307	2430	e110	e72	e460	957	612	531	233	51	66	63
28	237	1080	e105	e70	e1800	1640	517	356	208	52	64	94
29	201	524	e99	e71	e960	2720	520	275	110	71	55	81
30	175	380	e98	e70	---	1130	592	223	115	126	49	68
31	168	---	e97	e71	---	753	---	189	---	83	46	---
TOTAL	10409	12036	6764	5123	5803	22623	32616	20708	5358	3643	2648	2558
MEAN	336	401	218	165	200	730	1087	668	179	118	85.4	85.3
MAX	1770	2430	400	520	1800	2720	3190	3040	499	403	228	264
MIN	130	96	97	70	66	246	419	189	95	51	46	40
CFSM	2.56	3.06	1.67	1.26	1.53	5.57	8.30	5.10	1.36	.90	.65	.65
IN.	2.96	3.42	1.92	1.45	1.65	6.42	9.26	5.88	1.52	1.03	.75	.73

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

MEAN	220	287	228	169	142	378	874	418	186	121	111	135
MAX	653	630	585	661	796	1225	1522	991	626	412	454	421
(WY)	1946	1960	1974	1998	1981	1936	1933	1940	1978	1997	1976	1945
MIN	51.3	97.6	60.9	53.9	34.0	57.0	265	143	43.7	32.0	19.7	31.5
(WY)	1949	1979	1956	1940	1980	1941	1995	1977	1933	1934	1934	1953

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	92390		130289			
ANNUAL MEAN	253		356		272	
HIGHEST ANNUAL MEAN					385	1974
LOWEST ANNUAL MEAN					168	1965
HIGHEST DAILY MEAN	3040	Sep 17	3190	Apr 4	6870	Mar 31 1998
LOWEST DAILY MEAN	20	Sep 4	a 40	Sep 11	11	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	21	Sep 1	48	Sep 6	15	Aug 22 1934
INSTANTANEOUS PEAK FLOW			3960	Apr 4	8940	Jul 15 1997
INSTANTANEOUS PEAK STAGE			8.44	Apr 4	13.84	Jul 15 1997
INSTANTANEOUS LOW FLOW			a 39	Sep 11	9.4	Aug 28 1949
ANNUAL RUNOFF (CFSM)	1.93		2.72		2.08	
ANNUAL RUNOFF (INCHES)	26.24		37.00		28.22	
10 PERCENT EXCEEDS	512		888		632	
50 PERCENT EXCEEDS	147		176		128	
90 PERCENT EXCEEDS	36		68		46	

a Also occurred on September 12.
e Estimated.

04293500 MISSISQUOI RIVER NEAR EAST BERKSHIRE, VT

LOCATION.--Lat 44°57'30", long 72°41'55", Franklin County, Hydrologic Unit 02010007, on left bank, 1.7 mi north of intersection of State Highways 105 and 118 in East Berkshire, 1.7 mi upstream from Trout River, 3 mi south of Richford, and 3.8 mi downstream from North Branch.
DRAINAGE AREA.--479 mi^2.
PERIOD OF RECORD.--Discharge records: July 1911 to September 1923, October 1928 to current year. Monthly discharge only for some periods, published in WSP 1307. Prior to October 1977, published as "near Richford." Water-quality records: Water years 1954, 1967-74.
REVISED RECORDS.--WSP 784: Drainage area. WSP 1237: 1913-14(M), 1922(M), 1923, 1929-30. WSP 1307: 1916(M). WSP 1437: 1912.
GAGE.--Water-stage recorder. Elevation of gage is 410 ft above sea level, from topographic map. Prior to August 1, 1915, nonrecording gage at site 0.2 mi downstream at datum 4.35 ft lower. August 1, 1915, to September 30, 1923, water-stage recorder at present site and datum. October 1, 1928, to September 30, 1929, nonrecording gage at former site at datum 4.6 ft lower.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow prior to 1934.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1830, 45,000 ft^3/s during flood of November 1927, gage height, 23.1 ft, from floodmarks, from rating curve extended above 14,100 ft^3/s on basis of computation of peak flow over dam at gage height 14.70 ft, slope-area measurement at gage height 12.90 ft, and study of discharge per foot of width at measuring section.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1645	Ice Jam	* 17.42	May 11	0015	* 8,220	10.49
Mar. 28	2330	8,190	10.47				

Minimum discharge, 109 ft^3/s, September 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	1130	721	1230	e440	e310	e4000	2720	1410	590	409	210	150
2	789	671	975	e450	e310	e3500	2790	1690	516	344	214	186
3	588	603	939	e660	e310	3250	3900	1600	475	340	206	267
4	810	550	1150	e2000	e300	2470	6310	1330	438	609	251	273
5	1170	501	1440	e1800	e290	1840	7210	1640	394	628	245	231
6	1280	449	1300	e1450	e300	1530	5120	1650	392	435	182	197
7	1150	416	1200	e1120	e290	1300	3300	1550	474	344	157	161
8	858	389	1030	1070	e295	1330	3280	1580	457	297	161	142
9	918	369	870	852	e300	3000	3790	2610	456	271	231	130
10	944	360	807	689	e310	5390	3420	5130	418	625	263	119
11	1670	353	1410	1350	e320	4370	2600	7290	699	855	251	113
12	1320	329	1300	1760	e310	2480	2050	5780	1190	488	387	111
13	923	341	1100	1360	e300	1770	1690	3180	760	330	342	135
14	1730	471	978	e1070	e310	1370	1810	2600	533	259	266	151
15	2110	1020	914	e790	e320	1400	4100	1870	438	233	208	264
16	1370	1020	1250	e650	e320	4110	5600	1310	438	219	452	437
17	1090	850	1320	e600	e330	3960	4460	1060	732	214	591	448
18	1070	803	952	e560	e330	2500	2630	1720	583	418	423	330
19	931	748	e760	e540	e330	2000	1950	2820	461	572	316	272
20	799	1230	e600	e500	e340	1730	1710	2100	382	344	253	224
21	690	3340	e690	e460	e340	1660	2230	1500	331	253	244	196
22	613	3070	e600	e440	e330	2030	3880	1160	501	236	221	183
23	1700	2810	e510	e415	e430	2680	4550	907	518	314	219	161
24	4660	2190	e460	e390	e650	3560	5210	1000	385	266	466	273
25	3560	1530	e420	e380	e1300	3690	4760	2010	312	216	447	321
26	2050	1480	e440	e370	e1200	3750	3360	2440	297	184	302	277
27	1440	4440	e415	e360	e2400	3570	2410	1890	319	164	237	238
28	1120	4670	e405	e340	e5800	4720	1920	1390	512	152	211	301
29	913	2890	e400	e340	e4900	6470	1580	1070	375	164	193	298
30	773	1720	e390	e330	---	5740	1620	850	333	208	177	259
31	686	---	e380	e320	---	3790	---	682	---	242	162	---
TOTAL	40855	40334	26635	23856	23575	94960	101960	64819	14709	10633	8488	6848
MEAN	1318	1344	859	770	813	3063	3399	2091	490	343	274	228
MAX	4660	4670	1440	2000	5800	6470	7210	7290	1190	855	591	448
MIN	588	329	380	320	290	1300	1580	682	297	152	157	111
CFSM	2.75	2.81	1.79	1.61	1.70	6.40	7.10	4.37	1.02	.72	.57	.48
IN.	3.17	3.13	2.07	1.85	1.83	7.37	7.92	5.03	1.14	.83	.66	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1923, 1929 - 2000, BY WATER YEAR (WY)

MEAN	778	1031	846	656	521	1370	2971	1313	668	414	350	415
MAX	2295	2385	2330	2284	2439	4013	4882	3187	2129	1671	1528	1365
(WY)	1978	1984	1984	1998	1981	1936	1969	1940	1978	1974	1976	1954
MIN	87.4	241	270	157	115	240	922	453	175	86.0	63.3	57.5
(WY)	1949	1954	1956	1918	1980	1941	1995	1977	1999	1991	1934	1921

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915-1923, 1929-2000	
ANNUAL TOTAL	289750		457672			
ANNUAL MEAN	794		1250		943	
HIGHEST ANNUAL MEAN					1415	1974
LOWEST ANNUAL MEAN					580	1965
HIGHEST DAILY MEAN	5330	Sep 18	7290	May 11	18200	Mar 31 1998
LOWEST DAILY MEAN	48	Sep 6	111	Sep 12	28	Aug 20 1919
ANNUAL SEVEN-DAY MINIMUM	52	Sep 1	129	Sep 8	39	Aug 22 1934
INSTANTANEOUS PEAK FLOW			8220	May 11	21200	Apr 18 1982
INSTANTANEOUS PEAK STAGE			a 17.42	Feb 28	a 18.92	Mar 15 1946
INSTANTANEOUS LOW FLOW			109	Sep 12	8.0	Jul 14 1911
ANNUAL RUNOFF (CFSM)	1.66		2.61		1.97	
ANNUAL RUNOFF (INCHES)	22.50		35.54		26.74	
10 PERCENT EXCEEDS	1710		3380		2230	
50 PERCENT EXCEEDS	451		650		467	
90 PERCENT EXCEEDS	101		229		143	

a Ice Jam.
e Estimated.

04294000 MISSISQUOI RIVER AT SWANTON, VT

LOCATION.--Lat 44°55'00", long 73°07'44", Franklin County, Hydrologic Unit 02010007, on left bank, at old railroad abutment, 0.3 mi upstream of dam and Depot Street (Route 78) bridge, 0.3 mi southwest of Post Office in Swanton, 1.1 mi west of Hwy 78 and Interstate 89 interchange, and 7.9 mi upstream of mouth.

DRAINAGE AREA.--850 mi^2.

PERIOD OF RECORD.--Discharge records: March 1990 to current year.

GAGE.--Water-stage recorder and crest stage gage. Elevation of gage is 105 ft above sea level, from topographic map. July 6, 1989, to February 28, 1990, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Low flows regulated by powerplants upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 29	0030	* 21,200	* 6.69	Apr. 4	2015	14,100	5.23
Mar. 10	0500	12,900	4.97	Apr. 16	0500	13,000	5.00
Mar. 29	0800	14,100	5.23	May 11	0830	16,800	5.81

Minimum daily discharge, 143 ft^3/s, September 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	2270	1290	2360	e490	e410	8670	5280	2290	1130	566	398	355
2	1490	1130	1710	e520	e390	6590	4570	2650	947	703	609	211
3	1030	1410	1650	e990	e385	5010	6510	2770	767	824	423	196
4	1320	980	1830	e1680	e385	4080	11200	2200	667	1140	555	474
5	2680	1110	2560	e3600	e430	2720	12800	3040	873	1320	356	567
6	2140	533	2450	2440	e440	2170	10000	3170	745	806	419	397
7	2040	722	2200	1770	e400	1950	7000	2580	655	755	473	384
8	1510	942	2050	1320	e375	2000	6230	2730	818	480	420	356
9	1310	717	1690	1270	e380	4270	7490	5700	847	574	339	169
10	1540	417	1410	1350	e370	11100	6740	10000	540	1010	360	143
11	2710	658	2000	2860	e380	7850	5420	15300	1170	1640	431	390
12	2590	540	2410	3630	e375	4850	4280	12100	1800	913	511	180
13	1640	498	2120	e1950	e390	2990	3370	7170	1480	669	605	227
14	2560	545	1810	e910	e360	2060	3560	5440	892	618	637	375
15	4180	1410	1720	e750	e340	2180	7670	3820	774	261	426	525
16	2600	1500	2050	e780	e360	5860	11800	2430	896	390	570	755
17	1900	1490	2730	e730	e370	7420	8940	1990	747	412	1120	871
18	2020	1340	2050	e720	e405	4030	5600	1860	1090	687	726	753
19	1670	1250	809	e650	e410	3320	3530	4860	1010	951	499	544
20	1390	1710	1120	e570	e400	2740	2930	3630	680	763	555	483
21	1200	5880	2320	e550	e390	2420	3500	2490	597	583	471	369
22	1210	5790	2880	e540	e405	2990	6570	2010	785	292	542	612
23	2010	5130	1850	e520	e400	4060	8290	1570	910	303	395	250
24	9740	4160	e900	e520	e470	5640	10400	1450	644	684	719	260
25	7660	2890	e550	e475	e930	6090	9350	3030	526	540	751	537
26	4610	2670	e500	e470	e1500	6310	6750	4890	720	294	449	577
27	2890	8020	e560	e460	e4200	5910	4590	3400	619	246	584	513
28	2240	8580	e530	e470	e11900	6380	3400	2450	906	398	446	383
29	1710	6100	e510	e450	13500	12000	2530	1820	788	254	298	538
30	1470	3540	e480	e480	---	10500	2550	1500	623	566	388	510
31	1230	---	e475	e440	---	7670	---	1170	---	690	396	---
TOTAL	76560	72952	50284	34355	41450	161830	192850	121510	25646	20332	15871	12904
MEAN	2470	2432	1622	1108	1429	5220	6428	3920	855	656	512	430
MAX	9740	8580	2880	3630	13500	12000	12800	15300	1800	1640	1120	871
MIN	1030	417	475	440	340	1950	2530	1170	526	246	298	143

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	1528	1954	1530	1682	940	2847	4731	1960	888	924	591	621
MAX	2507	3082	3894	4324	1670	5220	7078	3920	1440	2042	1130	1512
(WY)	1991	1996	1997	1998	1996	2000	1993	2000	1998	1997	1990	1999
MIN	295	1024	596	429	317	801	1527	629	363	148	188	165
(WY)	1995	1992	1993	1994	1993	1994	1995	1998	1999	1991	1999	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	515033		826544			
ANNUAL MEAN	1411		2258		1668	
HIGHEST ANNUAL MEAN					2258	2000
LOWEST ANNUAL MEAN					1137	1999
HIGHEST DAILY MEAN	9740	Oct 24	15300	May 11	29500	Jan 9 1998
LOWEST DAILY MEAN	33	Sep 7	143	Sep 10	33	Sep 7 1999
ANNUAL SEVEN-DAY MINIMUM	70	Sep 2	263	Sep 8	70	Sep 2 1999
INSTANTANEOUS PEAK FLOW			21200	Feb 29	37700	Jan 20 1996
INSTANTANEOUS PEAK STAGE			6.69	Feb 29	9.50	Jan 20 1996
10 PERCENT EXCEEDS	3010		6140		4180	
50 PERCENT EXCEEDS	782		1120		838	
90 PERCENT EXCEEDS	154		389		230	

e Estimated.

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT

LOCATION.--Lat 44°28'52", long 73°13'27", Chittenden County, Hydrologic Unit 02010003, 50 ft south of Gulf Oil Co. dock at Burlington, 0.1 mi north of Burlington Water Department pumping station, and 0.5 mi north of railroad station.
PERIOD OF RECORD.--Gage heights: May 1907 to current year.
Water-quality records: Water year 1971.
REVISED RECORDS.--WSP 684: 1912-29 (datum correction). WSP 1207: 1938 (datum correction).
GAGE.--Water-stage recorder. Datum of gage is 92.86 ft above sea level. Prior to July 20, 1937, nonrecording gage at site 0.7 mi south, and July 20, 1937, to September 7, 1939, nonrecording gage at site 0.1 mi south, both at present datum.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 101.86 ft, April 27, 1993; minimum observed, 92.61 ft December 4, 1908.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 101.03 ft, May 14,15, affected by seiche; minimum , 94.59 ft, September 30, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.46	95.93	96.15	95.56	95.54	96.85	98.49	100.46	99.77	97.28	96.05	95.50
2	95.49	95.86	96.13	95.55	95.52	97.05	98.50	100.40	99.64	97.18	96.09	95.47
3	95.49	95.89	96.12	95.54	95.49	97.16	98.56	100.32	99.56	97.14	96.14	95.46
4	95.54	95.82	96.13	95.55	95.46	97.21	98.78	100.20	e99.40	97.09	96.16	95.44
5	95.56	95.80	96.11	95.69	95.42	97.25	99.11	100.15	e99.24	97.02	96.15	95.38
6	95.52	95.80	96.13	95.72	95.40	97.26	99.31	100.11	e99.12	96.96	96.10	95.35
7	95.52	95.79	96.16	95.77	95.36	97.25	99.41	100.03	99.10	96.90	96.07	95.26
8	95.45	95.74	96.15	95.78	95.33	97.25	99.50	99.99	99.00	96.83	96.05	95.19
9	95.41	95.63	96.12	95.77	95.28	97.24	99.70	100.05	98.95	96.74	96.05	95.19
10	95.44	95.65	96.07	95.80	95.29	97.43	99.82	100.23	98.89	96.70	96.02	95.18
11	95.47	95.65	96.05	95.88	95.28	97.58	99.93	100.56	98.83	96.65	96.02	95.11
12	95.47	95.54	96.06	95.97	95.26	97.71	99.99	100.84	98.74	96.63	96.04	95.04
13	95.41	95.53	96.05	96.02	95.23	97.73	99.99	100.90	98.66	96.59	96.01	95.09
14	95.49	95.43	96.04	96.03	95.27	97.71	99.95	101.00	98.53	96.53	95.97	95.09
15	95.50	95.47	96.01	96.01	95.29	97.70	99.97	100.55	98.41	96.47	95.94	95.10
16	95.46	95.45	95.97	95.95	95.25	97.74	100.18	100.99	98.40	96.48	95.94	95.07
17	95.47	95.44	95.97	95.97	95.26	97.87	100.32	100.92	98.34	96.53	95.95	95.01
18	95.53	95.40	95.99	95.93	95.25	97.88	100.31	100.79	98.28	96.58	95.96	95.01
19	95.51	95.35	95.96	95.90	95.25	97.84	100.27	100.82	98.20	96.56	95.93	94.98
20	95.47	95.31	95.83	95.87	95.22	97.82	100.24	100.77	98.12	96.54	95.88	94.96
21	95.48	95.38	95.91	95.85	95.20	97.82	100.23	100.69	98.02	96.49	95.85	94.91
22	95.41	95.42	95.92	95.81	95.18	97.80	100.33	100.59	97.94	96.45	95.80	94.90
23	95.50	95.48	95.90	95.75	95.15	97.80	100.49	100.49	97.88	96.41	95.74	94.85
24	95.67	95.49	95.90	95.72	95.15	97.84	100.65	100.41	97.79	96.37	95.73	94.82
25	95.85	95.52	95.84	95.71	95.20	97.85	100.78	100.39	97.68	96.33	95.73	94.82
26	95.90	95.55	95.75	95.70	95.25	97.90	100.80	100.35	97.61	96.27	95.69	94.81
27	95.98	95.70	95.75	95.67	95.44	97.94	100.77	100.31	97.57	96.21	95.66	94.76
28	95.96	95.92	95.70	95.63	95.98	98.02	100.73	100.24	97.51	96.15	95.65	94.74
29	95.98	96.06	95.67	95.60	96.52	98.17	100.66	100.15	97.43	96.12	95.60	94.71
30	95.96	96.14	95.64	95.56	---	98.37	100.58	100.00	97.36	96.08	95.53	94.62
31	95.91	---	95.62	95.56	---	98.46	---	99.86	---	96.04	95.50	---
MEAN	95.59	95.64	95.96	95.77	95.37	97.66	99.94	100.44	98.47	96.59	95.90	95.06
MAX	95.98	96.14	96.16	96.03	96.52	98.46	100.80	101.00	99.77	97.28	96.16	95.50
MIN	95.41	95.31	95.62	95.54	95.15	96.85	98.49	99.86	97.36	96.04	95.50	94.62

CAL YR 1999 MEAN 95.70 MAX 98.37 MIN 93.81
WTR YR 2000 MEAN 96.87 MAX 101.00 MIN 94.62

e Estimated.

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, NY

LOCATION.--Lat 44°59'46", long 73°21'37", Clinton County, Hydrologic Unit 02010006, on left bank at outlet of Lake Champlain in Rouses Point, and 1.0 mi south of Fort Montgomery ruins.
DRAINAGE AREA.--8,277 mi^2.
PERIOD OF RECORD.--October 1863 to December 1870 (maximum and minimum monthly gage heights at St. Johns, Quebec, published in WSP 97) and March 1871 to current year (daily gage heights prior to October 1970, elevations thereafter: those for 1871-1907 published in WSP 894). Gage heights prior to October 1, 1925, published as "Richelieu River at Fort Montgomery, Rouses Point". Discharge records for January 1875 to September 1916 at "Chambly, Quebec," published in WSP 65, 82, 97, 129, 170, 206, 424, and 1307 have been found to be unreliable and should not be used. Daily discharge record for "Richelieu River at Fryers Rapids, Quebec," published in Water Survey of Canada annual reports.
GAGE.--Water-stage recorder. Datum of gage is sea level. March 1871 to May 1923, nonrecording gage located in Fort Montgomery and May 1923 to October 1938, nonrecording gage at present site. Prior to October 1970, at datum 93.00 ft higher.
REMARKS.--Area of lake surface about 490 mi^2. Total volume below 92.5 ft elevation, reported by Lake Champlain Studies Center, 902.2 billion ft^3. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 101.88 ft, Apr. 25, 1993; minimum observed, 92.17 ft, Oct. 23, 1941.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known since at least 1827, 102.1 ft, May 4, 1869, from marks at railroad bridge near present gage, according to data published on p. 428 of the Report of the Board of Engineers on Deep Waterways, 1900: U.S. 56th Congress, 2d session H. Doc. 149.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 101.27 ft, May 18; minimum, 94.41 ft, September 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.55	95.93	96.01	95.57	95.50	96.82	98.44	100.42	99.69	97.27	96.23	95.46
2	95.46	96.09	96.10	95.53	95.45	96.98	98.45	100.24	99.61	97.23	96.22	95.38
3	95.41	96.02	96.14	95.46	95.43	97.07	98.46	100.23	99.40	97.11	96.16	95.37
4	95.38	95.88	96.12	95.63	95.39	97.14	98.70	100.18	99.27	97.06	96.10	95.24
5	95.46	95.96	96.24	95.56	95.38	97.17	99.00	100.06	99.20	96.92	96.08	95.26
6	95.51	95.72	96.11	95.87	95.36	97.17	99.27	100.01	99.04	96.88	96.16	95.28
7	95.44	95.63	96.00	95.79	95.31	97.20	99.31	99.97	98.98	96.76	96.12	95.36
8	95.72	95.66	96.07	95.84	95.31	97.19	99.35	99.87	99.02	96.73	96.05	95.32
9	95.54	95.86	96.11	95.81	95.30	97.20	99.53	99.91	98.86	96.76	96.09	95.17
10	95.49	95.45	96.16	95.81	95.20	97.28	99.72	100.19	98.76	96.66	96.00	95.15
11	95.39	95.48	95.85	95.90	95.21	97.50	99.76	100.44	98.67	96.59	95.96	95.26
12	95.42	95.69	95.95	95.86	95.20	97.59	99.83	100.73	98.65	96.57	95.93	95.31
13	95.67	95.52	95.98	95.86	95.17	97.64	99.89	100.91	98.60	96.53	95.95	95.08
14	95.21	95.65	95.90	95.88	95.18	97.68	100.01	100.94	98.71	96.51	95.95	95.10
15	95.51	95.29	96.03	95.99	95.23	97.66	99.99	100.96	98.62	96.47	95.97	95.09
16	95.71	95.26	96.04	95.97	95.24	97.64	99.98	100.93	98.40	96.43	95.97	95.05
17	95.48	95.31	95.93	95.84	95.19	97.65	100.12	100.86	98.29	96.52	95.88	95.13
18	95.32	95.37	95.89	95.87	95.19	97.79	100.26	100.85	98.20	96.55	95.91	95.00
19	95.46	95.49	95.91	95.85	95.18	97.81	100.22	100.66	98.16	96.50	95.88	95.06
20	95.54	95.41	96.26	95.80	95.18	97.77	100.12	100.71	98.08	96.49	95.80	95.01
21	95.45	95.35	95.84	95.77	95.15	97.75	100.13	100.63	98.11	96.50	95.76	95.01
22	95.62	95.44	95.88	95.75	95.14	97.75	100.19	100.53	97.96	96.45	95.78	94.84
23	95.44	95.44	95.88	95.74	95.13	97.74	100.25	100.44	97.81	96.38	95.85	95.01
24	95.58	95.57	95.79	95.68	95.10	97.75	100.44	100.39	97.78	96.34	95.74	94.82
25	95.81	95.45	95.88	95.59	95.14	97.85	100.60	100.34	97.74	96.30	95.72	94.79
26	95.99	95.60	96.00	95.62	95.28	97.84	100.68	100.28	97.61	96.30	95.72	94.77
27	95.87	95.65	95.65	95.60	95.46	97.93	100.67	100.19	97.53	96.25	95.64	94.81
28	96.07	95.86	95.74	95.58	95.92	97.97	100.63	100.11	97.46	96.17	95.58	94.64
29	95.93	95.96	95.65	95.56	96.44	98.21	100.53	100.03	97.39	96.10	95.64	94.74
30	96.04	95.95	95.64	95.53	---	98.29	100.42	99.99	97.31	96.07	95.62	94.85
31	96.00	---	95.55	95.52	---	98.38	---	99.91	---	96.11	95.56	---
MEAN	95.60	95.63	95.95	95.73	95.32	97.59	99.83	100.38	98.43	96.56	95.90	95.08
MAX	96.07	96.09	96.26	95.99	96.44	98.38	100.68	100.96	99.69	97.27	96.23	95.46
MIN	95.21	95.26	95.55	95.46	95.10	96.82	98.44	99.87	97.31	96.07	95.56	94.64

CAL YR 1999 MEAN 95.68 MAX 98.27 MIN 93.81
WTR YR 2000 MEAN 96.84 MAX 100.96 MIN 94.64

04295500 LAKE MEMPHREMAGOG AT NEWPORT, VT

LOCATION.--Lat 44°56'15", long 72°12'21", Orleans County, Hydrologic Unit 01110000, on west side of bridge on U.S. Highway 5 at Newport.
PERIOD OF RECORD.--Gage heights: May 1931 to current year.
GAGE.--Water-stage recorder. Datum of gage is 673.00 ft above sea level. Prior to July 21, 1934, nonrecording gage on highway bridge 0.l mi southeast at same datum. July 21, 1934, to August 22, 1961, nonrecording gage on east side, and August 23, 1961, to Oct. 18, 1966, on west side of bridge at present site and datum.
REMARKS.--Elevation of lake regulated by powerplant and gates at Magog, Quebec.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 12.92 ft April 20, 1933; minimum recorded, 6.48 ft, November 2, 1968, affected by seiche; but may have been lower during period of use of nonrecording gage.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.46 ft, April 25, 26, affected by seiche; minimum gage height, 7.24 ft, February 26, affected by seiche.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.58	9.26	9.86	9.04	8.29	7.78	9.37	9.83	9.49	8.90	8.99	8.82
2	9.45	9.20	9.76	9.00	8.28	7.94	9.38	9.76	9.47	8.89	8.98	8.81
3	9.31	9.14	9.69	8.99	8.27	8.04	9.42	9.59	9.49	8.93	9.00	8.79
4	9.21	9.16	9.68	9.02	8.27	8.12	9.60	9.45	9.43	8.98	9.02	8.81
5	9.13	9.10	9.70	9.04	8.27	8.17	9.87	9.46	9.38	9.03	9.01	8.75
6	9.12	9.11	9.74	9.04	8.27	8.20	10.01	9.48	9.35	9.02	8.98	8.68
7	9.11	9.08	9.80	9.04	8.27	8.21	10.06	9.52	9.34	9.02	8.97	8.63
8	9.01	9.00	9.75	9.04	8.27	8.20	10.10	9.59	9.25	9.00	9.00	8.58
9	9.00	8.87	9.68	9.02	8.12	8.24	10.18	9.65	9.26	8.98	9.01	8.57
10	8.99	8.89	9.60	9.01	7.86	8.33	10.22	9.80	9.21	9.04	9.05	8.52
11	9.04	8.89	9.69	9.03	7.83	8.44	10.19	10.11	9.23	9.08	9.04	8.47
12	9.01	8.78	9.59	9.07	7.78	8.53	10.15	10.24	9.21	9.06	9.05	8.41
13	8.92	8.77	9.50	9.10	7.74	8.53	10.04	10.20	9.18	9.05	9.03	8.45
14	9.10	8.77	9.50	9.08	7.72	8.50	9.90	10.21	9.12	9.04	9.01	8.39
15	9.03	8.87	9.46	9.05	7.72	8.44	9.86	10.12	9.07	9.04	9.01	8.41
16	9.01	8.92	9.44	9.02	7.69	8.49	9.97	10.00	9.08	9.05	9.06	8.47
17	9.03	8.91	9.48	8.98	7.65	8.59	10.00	9.84	9.12	9.03	9.11	8.45
18	9.10	8.87	9.46	8.94	7.63	8.56	9.94	9.73	9.11	9.07	9.10	8.49
19	9.01	8.86	9.43	8.87	7.59	8.52	9.86	9.75	9.08	9.08	9.09	8.46
20	8.96	8.90	9.38	8.81	7.54	8.46	9.79	9.65	9.03	9.05	9.07	8.48
21	8.96	9.01	9.44	8.75	7.49	8.40	9.78	9.53	8.95	9.02	9.04	8.48
22	8.88	9.10	9.44	8.68	7.44	8.37	9.91	9.40	8.94	9.04	9.00	8.50
23	8.99	9.19	9.42	8.65	7.37	8.38	10.15	9.28	8.94	9.04	8.98	8.45
24	9.15	9.25	9.41	8.59	7.33	8.44	10.38	9.26	8.89	9.04	9.02	8.52
25	9.25	9.31	9.36	8.57	7.28	8.52	10.44	9.32	8.82	9.03	9.00	8.51
26	9.29	9.37	9.31	8.53	7.24	8.61	10.44	9.40	8.80	9.01	8.98	8.50
27	9.35	9.60	9.28	8.49	7.34	8.67	10.37	9.49	8.84	9.00	8.98	8.49
28	9.30	9.81	9.23	8.44	7.50	8.79	e10.29	9.51	8.86	9.00	8.95	8.52
29	9.31	9.87	9.17	8.39	7.63	9.01	10.13	9.51	8.87	9.00	8.89	8.46
30	9.27	9.90	9.12	8.36	---	9.22	10.04	9.49	8.90	9.02	8.87	8.41
31	9.27	---	9.09	8.33	---	9.32	---	9.47	---	9.00	8.85	---
MEAN	9.13	9.13	9.50	8.84	7.78	8.45	9.99	9.67	9.12	9.02	9.00	8.54
MAX	9.58	9.90	9.86	9.10	8.29	9.32	10.44	10.24	9.49	9.08	9.11	8.82
MIN	8.88	8.77	9.09	8.33	7.24	7.78	9.37	9.26	8.80	8.89	8.85	8.39

CAL YR 1999 MEAN 8.80 MAX 9.90 MIN 7.05
WTR YR 2000 MEAN 9.02 MAX 10.44 MIN 7.24

e Estimated.

04296000 BLACK RIVER AT COVENTRY, VT

LOCATION.--Lat 44°52'08", long 72°16'14", Orleans County, Hydrologic Unit 01110000, on right bank, 15 ft downstream from highway bridge, 800 ft upstream from Stony Brook, and 0.4 mi northwest of Coventry.
DRAINAGE AREA.--122 mi^2.
PERIOD OF RECORD.--Discharge records: October 1951 to current year.
Water-quality records: Water years 1977-94.
GAGE.--Water-stage recorder. Elevation of gage is 725 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional diurnal fluctuation at low flow by mill upstream prior to 1960.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	Unknown	Ice Jam	* 6.60	Apr. 5	0545	* 1,630	5.85

Minimum discharge, 40 ft^3/s, September 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	203	115	271	e69	e60	e650	728	361	171	107	82	47
2	163	111	207	e73	e61	e470	675	380	149	97	83	56
3	105	111	198	e170	e62	e370	823	350	135	87	82	101
4	106	108	213	229	e62	e290	1370	297	122	108	86	110
5	193	95	233	351	e60	e240	1510	302	115	133	99	94
6	176	88	217	e230	e60	e220	1130	331	129	102	68	73
7	144	82	189	e185	e60	e210	923	308	210	80	59	60
8	111	78	162	e145	e61	e240	793	275	208	70	71	52
9	101	75	143	e130	e61	541	843	542	157	68	113	48
10	105	78	134	127	e62	853	784	792	137	181	86	44
11	125	80	179	230	e62	615	693	1300	243	156	70	42
12	131	76	198	270	e62	481	613	1120	258	91	68	41
13	103	72	175	e180	e62	387	504	856	197	72	67	46
14	221	87	156	e120	e64	327	535	666	155	87	59	47
15	322	211	148	e100	e66	299	816	497	140	155	63	120
16	226	199	190	e90	e67	453	1020	418	155	90	156	196
17	155	156	239	e82	e67	404	897	340	138	77	238	142
18	135	166	195	e82	e68	306	753	382	132	71	170	125
19	120	156	134	e80	e68	300	560	596	120	75	101	88
20	106	184	117	e78	e68	259	468	458	106	76	80	70
21	107	343	162	e74	e68	271	652	368	94	64	75	60
22	103	401	176	e72	e66	360	991	297	105	60	67	54
23	264	317	142	e70	e66	516	1040	264	100	58	64	52
24	532	226	e90	e68	e70	702	1310	335	89	57	147	55
25	453	180	e80	e66	e99	731	1130	498	79	53	161	69
26	312	216	e74	e64	e160	729	892	611	72	48	99	69
27	204	798	e72	e61	e300	723	719	506	136	45	74	58
28	159	705	e70	e60	e980	943	557	387	211	43	65	57
29	138	572	e69	e60	e800	1270	467	296	143	61	59	57
30	123	408	e68	e60	---	1110	415	238	102	136	54	54
31	113	---	e67	e60	---	930	---	200	---	124	50	---
TOTAL	5559	6494	4768	3736	3872	16200	24611	14571	4308	2732	2816	2187
MEAN	179	216	154	121	134	523	820	470	144	88.1	90.8	72.9
MAX	532	798	271	351	980	1270	1510	1300	258	181	238	196
MIN	101	72	67	60	60	210	415	200	72	43	50	41
CFSM	1.47	1.77	1.26	.99	1.09	4.28	6.72	3.85	1.18	.72	.74	.60
IN.	1.70	1.98	1.45	1.14	1.18	4.94	7.50	4.44	1.31	.83	.86	.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

MEAN	151	196	175	130	123	278	652	283	145	101	89.9	91.9
MAX	512	421	473	426	534	611	1164	709	412	405	334	280
(WY)	1991	1960	1984	1998	1981	1976	1969	1972	1973	1973	1976	1977
MIN	28.4	54.6	58.1	43.4	29.1	63.1	196	90.5	43.9	29.1	25.2	19.9
(WY)	1954	1979	1979	1954	1980	1956	1995	1987	1988	1991	1999	1953

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	62077		91854			
ANNUAL MEAN	170		251		201	
HIGHEST ANNUAL MEAN					301	1973
LOWEST ANNUAL MEAN					113	1965
HIGHEST DAILY MEAN	1350	Apr 4	1510	Apr 5	3300	Apr 2 1976
LOWEST DAILY MEAN	14	Sep 4	41	Sep 12	a 11	Aug 29 1953
ANNUAL SEVEN-DAY MINIMUM	15	Sep 2	46	Sep 8	11	Aug 28 1953
INSTANTANEOUS PEAK FLOW			1630	Apr 5	3740	Apr 2 1976
INSTANTANEOUS PEAK STAGE			bc 6.60	Feb 28	7.91	Apr 2 1976
INSTANTANEOUS LOW FLOW			40	Sep 12	11	Aug 29 1953
ANNUAL RUNOFF (CFSM)	1.39		2.06		1.65	
ANNUAL RUNOFF (INCHES)	18.93		28.01		22.38	
10 PERCENT EXCEEDS	355		696		469	
50 PERCENT EXCEEDS	106		136		106	
90 PERCENT EXCEEDS	27		60		41	

a Also occurred on August 30 to September 1.
b Ice jam.
c From peak stage indicator.
e Estimated.

04296500 CLYDE RIVER AT NEWPORT, VT

LOCATION.--Lat 44°56'22", long 72°11'23", Orleans County, Hydrologic Unit 01110000, on right bank, in Newport, just downstream from small right-bank tributary, and l mi upstream from mouth.
DRAINAGE AREA.--142 mi^2.
PERIOD OF RECORD.--Discharge records: May 1909 to September 1919; May 1920 to August 1922, October 1922 to September 1924, November 1928 to May 1936, September 1938 to current year. Prior to November 1928, published as "at West Derby."
Water-quality records: Water years 1975-77.
REVISED RECORDS.--WSP 744: 1913(M), drainage area. WSP 924: 1940. WSP 1307: 1913-15(M).
GAGE.--Water-stage recorder. Datum of gage is 682.36 ft above sea level. May 25, 1909, to September 20, 1915, nonrecording gage, and September 21, 1915, to September 30, 1924, November 16, 1928, to May 4, 1936, water-stage recorder, at site 0.65 mi upstream at different datum. March 6, 1957, to May 11, 1994, water-stage recorder and records of power generation.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by powerplant and reservoirs upstream. No instantaneous peak stage or discharge available for period of March 6, 1957 to May 11, 1994 due to diversion of flow around station through canal and penstock of Newport No. 11 powerplant.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft^3/s, March 20, 1936, gage height, 5.76 ft, site and datum then in use; maximum daily, 3,610 ft^3/s, March 20, 1936; minimum daily discharge, 2.6 ft^3/s, June 18, 1956.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,270 ft^3/s, April 6, gage height, 6.76 ft; minimum daily discharge, 57 ft^3/s, July 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	321	374	408	212	118	410	832	647	383	167	68	98
2	281	343	415	175	118	442	784	620	375	166	66	99
3	283	294	389	206	e115	440	789	593	331	164	67	99
4	235	270	384	208	e113	438	966	562	322	162	79	101
5	198	228	378	204	e115	437	1160	536	262	161	87	103
6	207	180	355	204	106	436	1250	513	194	148	93	106
7	217	163	315	204	106	383	1200	506	183	136	137	115
8	245	171	291	204	e105	271	1060	519	168	135	157	147
9	294	170	294	204	96	304	1010	629	161	135	157	134
10	271	170	246	233	96	404	965	799	161	116	124	161
11	251	143	205	277	96	438	944	965	164	101	94	120
12	250	115	206	276	e96	438	900	1100	182	101	94	103
13	229	115	206	274	e96	436	831	1130	226	101	95	105
14	194	116	206	235	98	434	776	1040	261	101	95	104
15	191	117	207	182	96	436	805	920	244	101	95	139
16	191	117	208	170	96	441	875	821	227	101	129	163
17	191	117	229	e140	e95	389	860	740	227	101	172	179
18	191	117	278	e125	e96	367	874	696	225	69	166	259
19	191	166	258	e120	96	368	852	667	140	57	173	288
20	191	204	258	e115	96	338	800	635	98	59	190	287
21	245	205	240	e113	96	339	771	614	137	65	189	288
22	264	204	186	e112	96	341	827	588	195	86	164	257
23	216	204	156	e110	96	342	908	545	194	148	178	219
24	207	249	156	113	96	412	997	501	191	76	158	171
25	312	284	156	115	107	439	1030	509	135	96	155	162
26	379	285	164	114	113	442	986	512	104	176	154	161
27	379	331	176	113	117	444	904	496	108	136	154	123
28	381	378	150	e110	267	514	826	484	106	92	154	112
29	381	378	119	e112	369	781	755	466	105	94	154	128
30	381	380	119	e113	---	829	696	427	117	95	124	150
31	379	---	120	119	---	872	---	401	---	79	95	---
TOTAL	8146	6588	7478	5212	3406	13805	27233	20181	5926	3525	4017	4681
MEAN	263	220	241	168	117	445	908	651	198	114	130	156
MAX	381	380	415	277	369	872	1250	1130	383	176	190	288
MIN	191	115	119	110	95	271	696	401	98	57	66	98
CFSM	1.85	1.55	1.70	1.18	.83	3.14	6.39	4.58	1.39	.80	.91	1.10
IN.	2.13	1.73	1.96	1.37	.89	3.62	7.13	5.29	1.55	.92	1.05	1.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909-24, 28-36, 38-00, BY WATER YEAR (WY)

MEAN	179	233	223	186	159	282	693	494	239	150	129	130
MAX	576	560	599	452	477	1136	1192	1042	545	464	369	523
(WY)	1946	1919	1984	1998	1981	1936	1933	1972	1978	1973	1976	1924
MIN	50.7	79.5	80.4	62.9	19.1	72.8	186	151	74.0	47.2	39.6	41.9
(WY)	1962	1923	1923	1948	1979	1911	1979	1998	1988	1991	1909	1984

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1909-24, 28-36, 38-00	
ANNUAL TOTAL	79969		110198			
ANNUAL MEAN	219		301		257	
HIGHEST ANNUAL MEAN					394	1974
LOWEST ANNUAL MEAN					153	1979
HIGHEST DAILY MEAN	822	Apr 9	1250	Apr 6	3610	Mar 20 1936
LOWEST DAILY MEAN	25	Sep 10	57	Jul 19	2.6	Jun 18 1956
ANNUAL SEVEN-DAY MINIMUM	27	Sep 1	77	Jul 16	14	Oct 9 1961
INSTANTANEOUS PEAK FLOW			1270	Apr 6	ab 3900	Mar 20 1936
INSTANTANEOUS PEAK STAGE			6.76	Apr 6	ab 5.76	Mar 20 1936
ANNUAL RUNOFF (CFSM)	1.54		2.12		1.81	
ANNUAL RUNOFF (INCHES)	20.95		28.87		24.55	
10 PERCENT EXCEEDS	441		778		527	
50 PERCENT EXCEEDS	190		204		180	
90 PERCENT EXCEEDS	48		96		63	

a No instantaneous peak stage or discharge available for period of March 6, 1957 to May 11, 1994, as explained above in remarks.
b Site and datum then in use.
e Estimated.