01129200 CONNECTICUT RIVER BELOW INDIAN STREAM, NEAR PITTSBURG, NH

LOCATION (REVISED).--Lat 45°02'25", long 71°26'37", Coos County, Hydrologic Unit 01080101, on right bank, 1,200 ft downstream from Indian Stream, 2.7 mi west of US Highway 3 and State Highway 145 intersection in Pittsburg, 3.9 mi northeast of Post Office in Beecher Falls, 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-73-1: 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, 3,420 ft^3/s, April 25, gage height, 6.48 ft; minimum daily discharge, e88 ft^3/s, March 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	526	245	875	850	e148	101	661	356	285	686	465
2	354	537	216	866	843	e142	297	886	279	332	671	326
3	348	555	189	860	841	e140	519	782	480	275	665	253
4	348	556	178	930	834	e138	645	620	1070	262	661	233
5	347	644	178	965	832	139	653	429	1670	341	654	223
6	364	782	178	958	821	139	661	324	1540	318	652	218
7	381	545	162	954	818	139	682	263	1240	278	648	214
8	403	369	e160	949	810	e138	702	235	1070	259	719	211
9	480	332	e159	943	810	137	424	216	966	255	868	209
10	494	330	e158	938	816	137	207	191	902	303	868	210
11	497	429	e157	930	817	137	329	177	870	535	862	207
12	600	477	332	923	e817	137	506	177	914	854	855	205
13	713	401	434	920	e817	139	711	221	876	816	708	205
14	697	298	428	913	e817	143	904	194	490	768	638	204
15	629	382	426	906	789	119	650	167	276	1110	636	204
16	589	333	421	906	508	e88	542	161	267	785	632	204
17	571	279	482	901	498	e90	543	149	342	744	633	204
18	572	257	1670	897	348	89	489	144	377	825	632	204
19	613	230	840	890	253	90	383	293	302	815	630	200
20	584	212	473	890	234	92	352	286	281	763	540	197
21	563	204	e350	883	160	95	629	209	263	734	455	203
22	550	198	e282	875	e158	99	1720	168	261	715	453	208
23	539	183	e260	874	153	103	2340	154	245	701	453	208
24	537	169	e230	867	e150	110	2690	150	325	752	287	205
25	531	156	e210	865	e150	e110	2330	131	342	960	204	207
26	526	173	e191	858	147	e105	1070	123	284	776	201	221
27	523	344	e190	858	e144	e105	958	120	261	729	206	222
28	517	423	e187	854	e144	99	808	141	251	712	213	213
29	515	308	e550	845	---	e100	599	356	249	697	220	208
30	516	270	887	842	---	100	551	473	234	689	217	205
31	523	---	882	846	---	101	---	375	---	684	226	---
TOTAL	15783	10902	11705	27781	15379	3648	23995	8976	17283	19072	16993	6696
MEAN	509	363	378	896	549	118	800	290	576	615	548	223
MAX	713	782	1670	965	850	148	2690	886	1670	1110	868	465
MIN	347	156	157	842	144	88	101	120	234	255	201	197

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2001, BY WATER YEAR (WY)

MEAN	552	549	735	797	770	539	631	517	384	420	431	437
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	378	462	376	118	247	162	80.9	55.7	64.7	111
(WY)	1969	1967	2001	1979	1980	2001	1995	1988	1962	1965	1975	1968

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1957 - 2001	
ANNUAL TOTAL	216700		178213			
ANNUAL MEAN	592		488		563	
HIGHEST ANNUAL MEAN					789	1976
LOWEST ANNUAL MEAN					379	1995
HIGHEST DAILY MEAN	5610	May 11	2690	Apr 24	5610	May 11 2000
LOWEST DAILY MEAN	156	Nov 25	e 88	Mar 16	30	Aug 6 1965
ANNUAL SEVEN-DAY MINIMUM	165	Dec 5	92	Mar 16	33	Aug 20 1975
MAXIMUM PEAK FLOW			3420	Apr 25	a 5820	May 11 2000
MAXIMUM PEAK STAGE			6.48	Apr 25	8.37	May 11 2000
10 PERCENT EXCEEDS	1080		886		1020	
50 PERCENT EXCEEDS	448		382		514	
90 PERCENT EXCEEDS	218		144		154	

a 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 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 Poor.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	13.0	14.5	10.0	8.0	9.0	3.0	.5	2.0	3.0	1.0	2.0
2	16.5	13.5	15.0	9.5	8.0	9.0	2.5	.0	1.0	2.5	1.0	2.0
3	16.0	14.0	15.0	9.5	7.5	8.5	2.5	.0	1.0	3.0	1.0	2.0
4	15.0	13.5	14.5	10.0	8.0	8.5	2.5	.0	1.0	3.0	1.0	2.0
5	15.5	13.5	14.5	9.0	6.5	8.0	2.5	.0	1.5	3.0	1.0	2.0
6	14.5	13.0	14.0	7.5	6.0	7.0	2.0	---	---	3.0	1.0	2.0
7	14.0	12.5	13.0	7.5	6.0	7.0	2.0	---	---	3.0	1.0	2.0
8	13.5	11.0	12.5	8.5	6.0	7.0	1.5	---	---	3.0	1.0	2.0
9	13.0	10.0	11.5	9.5	6.5	8.0	1.5	---	---	3.0	1.0	2.0
10	12.0	10.0	11.0	9.0	7.0	8.0	1.5	---	---	2.5	1.0	1.5
11	12.5	9.5	11.0	9.0	7.0	8.0	2.0	.0	1.0	3.0	1.0	2.0
12	11.0	7.5	9.5	7.5	6.0	7.0	2.5	.0	1.5	2.5	1.0	1.5
13	11.5	8.0	9.5	8.0	5.5	6.5	2.5	.0	1.5	3.0	1.0	2.0
14	12.5	10.0	11.5	7.5	6.0	7.0	3.0	.5	1.5	3.5	1.0	2.0
15	13.0	11.0	12.0	7.0	4.0	5.5	2.5	.5	1.5	3.0	1.0	2.0
16	12.0	10.0	11.0	5.5	3.5	4.5	3.0	.5	2.0	3.0	1.0	2.0
17	12.5	10.5	11.5	6.0	3.5	4.5	3.5	.5	2.0	3.0	1.0	2.0
18	12.0	10.5	11.5	4.0	2.0	3.0	1.5	---	---	3.0	.5	2.0
19	11.5	10.0	11.0	4.0	1.5	2.5	2.0	---	---	3.0	1.0	2.0
20	12.0	9.5	11.0	4.0	1.5	2.5	1.5	---	---	3.0	.5	2.0
21	12.0	10.0	11.0	4.0	2.0	3.0	1.5	---	---	2.5	1.0	1.5
22	11.5	10.0	10.5	3.5	1.5	2.5	2.0	---	---	3.0	.5	2.0
23	11.5	9.0	10.0	3.0	1.0	2.0	1.5	---	---	3.0	1.0	2.0
24	11.5	9.5	10.5	3.0	1.0	2.0	1.5	---	---	3.0	1.0	2.0
25	12.0	9.5	11.0	4.0	1.0	2.0	1.5	---	---	3.0	1.0	2.0
26	12.0	10.0	10.5	3.0	1.0	2.0	1.5	---	---	3.0	1.0	1.5
27	11.5	10.0	11.0	2.5	.5	1.5	1.5	---	---	3.0	1.0	2.0
28	11.0	8.5	10.0	2.0	.0	1.0	1.5	---	---	2.5	.5	2.0
29	9.5	8.0	9.0	3.5	1.0	2.5	3.0	.0	1.5	2.5	.5	1.5
30	10.0	8.0	9.0	4.0	2.0	3.0	3.0	1.0	2.0	3.0	.5	1.5
31	9.5	8.0	9.0	---	---	---	3.0	1.0	2.0	3.0	1.0	2.0
MONTH	16.5	7.5	11.5	10.0	.0	5.1	3.5	.0	1.5	3.5	.5	1.9

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

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	1.0	2.0	2.5	---	---	4.0	.0	2.0	11.0	4.5	7.5
2	3.0	1.0	2.0	2.5	---	---	3.5	.5	1.5	11.5	5.0	8.5
3	2.5	.5	1.5	3.0	---	---	3.0	1.0	2.0	12.5	6.5	10.0
4	3.0	.5	1.5	3.5	---	---	3.5	.5	2.0	12.0	9.5	10.5
5	3.0	.5	2.0	3.5	.5	1.5	3.5	.5	2.0	10.5	7.5	9.0
6	3.0	1.0	2.0	3.0	.5	2.0	3.0	1.0	1.5	12.0	5.5	9.0
7	3.0	1.0	2.0	4.5	.0	2.0	3.5	1.0	2.0	14.0	6.5	10.0
8	3.0	.5	1.5	5.0	.0	2.0	2.5	1.0	1.5	15.0	7.5	11.0
9	3.0	1.0	1.5	4.5	.5	2.5	2.5	1.0	1.5	15.0	8.5	11.5
10	3.0	.5	1.5	4.0	1.0	2.0	3.5	.5	1.5	16.5	9.0	12.5
11	2.0	.0	1.5	3.5	.5	2.0	2.5	.0	1.5	17.0	9.0	12.5
12	2.5	.5	1.5	4.5	.0	1.5	1.5	.0	1.0	14.5	11.0	12.5
13	2.5	.5	1.5	3.0	.5	1.5	1.5	.0	1.0	13.5	9.0	11.0
14	2.5	.5	1.5	3.5	1.0	2.0	1.5	.0	1.0	12.5	7.0	10.0
15	2.5	.5	1.5	3.0	.5	1.5	2.0	.0	1.0	10.0	7.0	8.5
16	3.0	.0	1.5	5.0	.0	2.0	2.5	.0	1.0	13.0	7.5	10.0
17	2.5	.0	1.5	4.5	.0	2.0	4.5	.0	2.5	13.5	8.5	11.0
18	2.5	.0	1.0	3.5	.0	1.5	4.5	.0	2.5	12.5	8.5	10.5
19	3.0	.0	1.5	5.5	.5	2.5	4.0	1.0	2.5	12.5	9.5	11.0
20	3.0	1.0	2.0	5.5	.5	2.5	7.5	.5	3.5	15.5	8.5	11.5
21	2.5	---	---	4.5	.0	2.0	7.0	1.5	4.0	17.5	9.5	13.0
22	2.0	---	---	2.5	.0	1.5	3.0	.5	1.5	17.0	10.0	13.0
23	2.5	.0	1.0	2.5	.0	1.5	5.0	.5	2.0	17.0	10.5	13.5
24	3.0	---	---	3.0	.5	1.5	5.5	1.0	3.0	16.0	10.5	13.0
25	2.0	---	---	4.0	.0	1.5	5.0	.5	3.0	18.0	10.0	13.5
26	3.0	.0	1.5	4.0	.0	1.5	7.5	1.5	4.5	17.5	10.5	13.5
27	3.0	.0	1.0	2.0	.0	1.0	6.0	2.5	4.5	13.0	10.5	12.0
28	2.5	---	---	3.0	.5	1.5	7.0	2.5	5.0	11.5	9.5	10.5
29	---	---	---	4.5	.0	2.0	8.0	2.5	5.0	13.0	10.5	11.5
30	---	---	---	2.5	.0	1.5	8.0	3.5	5.5	11.5	9.5	10.5
31	---	---	---	3.0	.0	1.5	---	---	---	10.5	8.0	9.0
MONTH	3.0	.0	1.6	5.5	.0	1.8	8.0	.0	2.4	18.0	4.5	11.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.5	7.0	11.0	15.5	11.5	14.0	16.0	13.5	14.5	17.5	14.5	16.5
2	12.5	10.5	11.5	15.0	11.5	13.0	16.0	13.5	14.5	17.5	13.5	15.0
3	14.5	10.0	12.0	14.5	11.0	12.5	16.0	14.0	15.0	19.0	14.0	16.0
4	13.0	10.5	11.5	15.5	11.0	13.0	15.5	13.0	14.5	17.5	15.0	16.0
5	11.0	10.0	10.5	16.5	12.0	14.5	16.5	13.5	15.0	18.5	14.5	16.0
6	11.5	9.5	10.5	14.0	11.5	12.5	15.0	13.5	14.5	19.0	14.5	16.0
7	13.5	9.5	11.0	15.5	11.0	13.0	16.0	14.0	15.0	20.0	14.5	17.0
8	13.0	8.5	10.5	14.5	12.0	13.0	16.5	14.5	15.5	19.5	15.0	17.0
9	13.0	9.0	10.5	16.0	11.5	13.5	17.0	15.5	16.0	21.0	15.5	17.5
10	13.5	9.0	11.0	15.5	12.0	14.0	18.0	15.0	16.0	20.5	16.0	17.5
11	12.0	9.5	10.5	15.0	13.0	14.0	18.0	15.0	16.0	19.5	14.5	17.0
12	11.5	9.5	10.5	15.0	13.0	14.0	17.0	15.0	16.5	20.0	14.5	17.0
13	13.0	9.5	11.5	14.0	13.0	13.5	17.5	15.0	16.0	18.5	15.0	16.0
14	17.0	11.0	13.5	14.0	12.5	13.0	17.0	15.0	16.0	18.5	14.5	16.0
15	16.5	11.0	13.5	15.0	13.0	14.0	17.5	15.5	16.0	19.0	14.5	16.0
16	16.0	11.5	13.5	15.0	13.0	14.0	17.5	15.0	16.0	19.5	14.5	16.5
17	16.5	12.0	14.0	14.5	12.5	13.5	17.5	15.0	16.0	20.0	15.0	17.0
18	17.0	12.5	14.5	14.0	12.0	13.0	17.0	16.0	16.5	19.0	15.5	16.5
19	17.0	12.0	14.0	15.0	12.0	13.0	18.0	15.5	17.0	18.5	16.0	17.0
20	16.0	11.5	13.5	15.0	12.0	13.5	18.0	15.5	16.5	18.0	16.0	17.0
21	15.5	11.0	12.5	14.5	12.0	13.0	18.0	15.5	16.5	19.0	16.5	17.5
22	14.5	11.0	12.5	14.0	12.5	13.0	17.5	15.5	16.5	18.5	16.0	17.0
23	15.0	11.0	12.5	14.5	12.0	13.5	18.5	15.5	16.5	18.5	16.0	17.0
24	16.5	11.0	13.0	18.0	12.5	14.0	19.5	14.0	17.0	19.5	16.0	17.5
25	17.5	12.5	15.0	17.0	14.0	15.5	19.0	14.0	16.0	18.5	17.0	17.5
26	17.0	12.5	14.0	15.0	13.0	14.0	19.0	14.0	16.0	18.5	16.0	17.0
27	17.0	12.0	14.0	14.5	12.5	13.5	17.0	14.5	15.5	17.5	15.5	16.5
28	16.0	11.0	13.5	14.5	12.0	13.5	19.0	15.0	16.5	17.5	15.0	16.0
29	13.0	10.5	11.5	14.5	13.0	14.0	17.0	15.0	16.0	18.5	14.5	16.0
30	15.0	10.0	12.5	15.0	12.5	13.5	19.0	14.5	16.0	19.0	14.5	16.0
31	---	---	---	15.0	13.0	14.0	20.0	14.5	17.0	---	---	---
MONTH	17.5	7.0	12.3	18.0	11.0	13.5	20.0	13.0	15.9	21.0	13.5	16.6

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 1,220 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 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 17	2015	1,720	8.38	Apr. 24	1645	* 1,990	* 8.70

Minimum discharge, 8.3 ft^3/s, September 17-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	28	40	e42	e20	e18	18	300	45	95	20	138
2	14	27	36	e38	e20	e18	17	340	73	55	17	28
3	13	26	e34	e35	e20	e18	17	303	143	28	18	17
4	14	24	e32	e34	e19	e18	20	224	265	23	16	14
5	15	58	e31	e33	e20	e18	e29	150	156	34	13	14
6	65	71	e29	e32	e20	e18	e31	105	100	23	12	12
7	36	60	e28	e32	e22	e19	31	82	70	21	11	11
8	57	51	e27	e31	e21	e18	35	68	52	19	11	11
9	44	44	e27	e30	e20	e19	36	64	41	20	14	10
10	34	61	e27	e29	e34	e18	59	58	38	27	14	9.8
11	40	102	e30	e27	e65	18	94	53	37	35	13	11
12	39	72	e47	e27	e44	e18	140	82	39	47	11	9.8
13	30	53	37	e27	e35	e20	190	96	37	45	10	9.5
14	26	49	32	e26	e30	e19	154	60	28	62	9.8	9.5
15	23	105	31	e26	e28	18	115	53	26	80	9.4	9.1
16	21	63	27	e27	e26	e17	122	52	26	49	9.0	9.0
17	21	55	e540	e26	e25	e16	130	46	52	45	9.8	8.7
18	27	48	483	e25	e24	16	116	56	37	38	17	8.5
19	30	39	184	e24	e23	17	87	163	26	33	12	8.5
20	23	e36	e125	e23	e23	e18	102	75	22	26	11	8.4
21	21	35	e100	e23	e22	e23	226	53	22	23	14	13
22	19	33	e76	e22	e21	25	791	44	23	21	17	19
23	18	e30	e60	e22	e22	23	769	40	22	17	13	13
24	18	e29	e54	e21	e21	21	1170	37	155	e80	12	11
25	18	e29	e49	e21	e21	19	533	33	42	e55	10	32
26	17	e50	e47	e20	e20	e19	325	31	25	e28	9.4	41
27	17	e75	e44	e20	e20	e19	277	32	23	e24	14	24
28	18	63	e42	e20	e19	18	230	49	22	20	14	17
29	18	49	e40	e19	---	e18	181	57	21	19	21	14
30	20	45	e41	e19	---	18	199	45	21	21	13	13
31	26	---	e43	e21	---	21	---	56	---	22	14	---
TOTAL	797	1510	2443	822	705	583	6244	2907	1689	1135	409.4	553.8
MEAN	25.7	50.3	78.8	26.5	25.2	18.8	208	93.8	56.3	36.6	13.2	18.5
MAX	65	105	540	42	65	25	1170	340	265	95	21	138
MIN	13	24	27	19	19	16	17	31	21	17	9.0	8.4
CFSM	.70	1.37	2.15	.72	.69	.51	5.67	2.56	1.53	1.00	.36	.50
IN.	.81	1.53	2.48	.83	.71	.59	6.33	2.95	1.71	1.15	.41	.56

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

MEAN	55.8	69.9	58.8	50.5	35.8	87.7	206	102	53.8	39.7	31.8	32.2
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	18.8	74.2	51.3	26.7	13.0	12.9	11.1
(WY)	1998	1995	1990	1994	1993	2001	1995	1998	1992	1991	1999	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1987 - 2001	
ANNUAL TOTAL	25127.8		19798.2			
ANNUAL MEAN	68.7		54.2		68.7	
HIGHEST ANNUAL MEAN					104	1996
LOWEST ANNUAL MEAN					44.1	1995
HIGHEST DAILY MEAN	956	May 10	1170	Apr 24	2450	Mar 31 1998
LOWEST DAILY MEAN	9.8	Sep 1	8.4	Sep 20	5.3	Sep 5 1995
ANNUAL SEVEN-DAY MINIMUM	12	Aug 26	8.8	Sep 14	5.8	Sep 1 1995
MAXIMUM PEAK FLOW			1990	Apr 24	a 4880	Mar 31 1998
MAXIMUM PEAK STAGE			8.70	Apr 24	10.99	Mar 31 1998
INSTANTANEOUS LOW FLOW			b 8.3	Sep 17	c 5.2	Sep 4 1995
ANNUAL RUNOFF (CFSM)	1.87		1.48		1.87	
ANNUAL RUNOFF (INCHES)	25.47		20.07		25.44	
10 PERCENT EXCEEDS	153		101		136	
50 PERCENT EXCEEDS	33		27		40	
90 PERCENT EXCEEDS	14		13		16	

a From rating curve extended above 2,200 ft^3/s.
b Also occurred on September 18-20.
c Also occurred on September 5-7, 1996.
e Estimated.

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH

LOCATION (REVISED).--Lat 44°44'59", long 71°37'54", Coos County, Hydrologic Unit 01080101, on left bank, at North Stratford, 400 ft downstream from Nulhegan River, 0.3 mi downstream of Vermont State Highway 105 bridge, 12.0 mi southwest of Colebrook, and at mile 344.5.
DRAINAGE AREA.--799 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1930 to current year.
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 power plants and by First Connecticut and Second Connecticut Lakes and Lake Francis 36 mi upstream.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,000 ft^3/s, April 25, gage height, 12.15 ft; minimum daily discharge, 291 ft^3/s, September 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	946	1150	e1850	e1350	e520	e450	4420	1760	1080	1000	2270
2	574	970	967	e1800	e1300	e510	e450	5460	1510	1250	928	1490
3	553	1010	706	e1750	e1280	e500	e630	5230	2680	843	892	799
4	543	1010	766	e1700	e1260	e495	e870	4330	3890	636	870	568
5	553	1340	e780	e1650	e1240	e490	e1050	3100	4120	1100	844	484
6	957	2170	e740	e1580	e1220	e500	e1140	2300	3920	981	824	434
7	1140	1930	e660	e1600	e1220	e520	e1200	1830	2900	723	816	402
8	1300	1520	e650	e1600	e1250	e510	e1300	1570	2250	593	817	377
9	1390	1290	e640	e1550	e1250	e500	e1350	1420	1890	554	993	359
10	1250	1310	e650	e1520	e1500	e500	1370	1260	1680	676	1070	345
11	1210	2040	e700	e1500	e1650	e490	2030	1150	1540	1250	1060	346
12	1460	2130	741	e1400	e1500	e490	3100	1160	1510	2310	1030	334
13	1390	1690	e1100	e1400	e1420	e500	4520	1790	1490	1870	982	323
14	1330	1380	e1450	e1370	e1380	e515	5260	1380	1320	1940	802	318
15	1170	1880	e1200	e1320	e1350	e530	4290	1110	775	2360	774	313
16	1040	1770	e1100	e1350	e1300	e510	3880	1020	652	2110	763	309
17	978	1400	e2100	e1370	e1000	e490	3930	921	838	1720	782	322
18	1000	1260	e8100	e1350	e940	e480	3680	842	1340	1940	881	316
19	1280	1060	6670	e1300	e800	e490	2930	1920	895	1630	837	298
20	1170	930	3640	e1280	e700	e500	2500	2010	689	1380	789	291
21	1040	874	2220	e1260	e650	e530	3930	1350	601	1230	655	370
22	965	811	1820	e1240	e580	e580	9780	1040	555	1130	657	492
23	913	715	1520	e1230	e570	e610	14800	875	525	1070	605	460
24	887	578	1350	e1220	e550	e580	17500	754	1200	1080	571	400
25	869	526	e1200	e1210	e550	e560	17200	652	1260	2040	365	414
26	853	718	e1120	e1200	e550	e530	9260	575	816	1530	319	925
27	834	1460	e1030	e1200	e540	e500	6420	543	615	1210	347	628
28	826	2020	e970	e1200	e520	e480	5250	782	529	1090	380	494
29	825	1520	e1100	e1200	---	e470	4100	1950	473	1030	446	435
30	836	1310	e1350	e1200	---	e460	3630	2040	461	979	421	398
31	894	---	e1600	e1300	---	e450	---	1720	---	963	376	---
TOTAL	30636	39568	49790	43700	29420	15790	137800	56504	44684	40298	22896	15714
MEAN	988	1319	1606	1410	1051	509	4593	1823	1489	1300	739	524
MAX	1460	2170	8100	1850	1650	610	17500	5460	4120	2360	1070	2270
MIN	543	526	640	1200	520	450	450	543	461	554	319	291

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

MEAN	1289	1600	1539	1367	1223	1640	3904	2537	1255	900	839	917
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1930 - 2001	
ANNUAL TOTAL	640032		526800			
ANNUAL MEAN	1749		1443		1583	
HIGHEST ANNUAL MEAN					2246	1974
LOWEST ANNUAL MEAN					1033	1995
HIGHEST DAILY MEAN	18300	May 11	17500	Apr 24	28000	Mar 19 1936
LOWEST DAILY MEAN	344	Aug 3	291	Sep 20	108	Sep 29 1960
ANNUAL SEVEN-DAY MINIMUM	409	Aug 8	310	Sep 14	128	Aug 16 1975
MAXIMUM PEAK FLOW			20000	Apr 25	32300	Mar 31 1998
MAXIMUM PEAK STAGE			12.15	Apr 25	a 20.60	Mar 6 1979
10 PERCENT EXCEEDS	3530		2260		3020	
50 PERCENT EXCEEDS	1170		1060		1120	
90 PERCENT EXCEEDS	552		480		457	

a Ice Jam. From floodmarks in well.
e Estimated.

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 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 poor.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.5	10.0	12.0	7.5	5.5	6.5	3.0	1.5	2.0	1.0	.0	.5
2	15.0	11.5	13.0	8.5	6.0	7.0	1.5	.5	1.0	1.0	.0	.5
3	16.0	12.5	14.0	8.0	6.0	7.0	1.0	.5	.5	1.0	.0	.5
4	14.0	12.0	13.0	8.5	6.5	7.5	1.0	.5	.5	1.0	.0	.5
5	13.5	11.5	12.5	8.5	6.5	7.5	1.0	.0	.5	1.0	.0	.5
6	12.0	11.0	11.5	7.0	5.5	6.5	1.0	.5	.5	1.0	.0	.5
7	11.5	10.5	11.0	7.5	5.5	6.5	1.0	.0	.5	1.0	.0	.5
8	10.5	8.5	9.5	8.0	6.0	7.0	1.0	.5	.5	1.0	.0	.5
9	9.0	8.0	8.5	8.0	6.5	7.5	1.0	.0	.5	1.0	.0	.5
10	8.5	7.0	8.0	8.5	7.5	8.0	1.0	.5	.5	1.0	.0	.5
11	10.0	7.0	8.0	8.5	7.0	8.0	.5	.0	.5	1.0	.0	.5
12	10.0	7.0	8.5	8.0	6.5	7.0	.5	.0	.5	1.0	.0	.5
13	10.0	7.5	9.0	7.0	6.0	6.5	1.0	.0	.5	1.0	.0	.5
14	12.0	9.0	11.0	7.0	6.0	6.5	1.0	.0	.5	1.0	.0	.5
15	13.0	11.0	12.0	7.0	5.0	6.0	1.0	.0	.5	1.0	.0	.5
16	11.0	9.0	10.0	5.5	3.5	4.5	1.0	.0	.5	1.0	.0	.5
17	10.5	8.0	9.0	4.5	3.5	4.0	1.0	.0	.5	1.0	.0	.5
18	10.5	9.0	9.5	4.0	2.0	3.5	1.0	.0	.5	1.0	.0	.5
19	11.0	9.0	10.0	3.0	1.0	2.0	1.0	.0	.5	1.0	.0	.5
20	11.0	8.0	9.5	2.5	.5	1.5	1.0	.0	.5	1.0	.0	.5
21	10.5	8.5	9.5	2.5	1.5	2.0	1.0	.0	.5	1.0	.0	.5
22	10.5	8.0	9.0	2.5	1.0	1.5	1.0	.0	.5	1.0	.0	.5
23	9.5	6.5	8.0	1.5	.5	1.0	1.0	.0	.5	1.0	.0	.5
24	9.0	6.5	8.0	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5
25	10.5	7.5	9.0	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5
26	11.5	8.5	10.0	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5
27	11.0	9.0	10.0	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5
28	11.0	7.0	9.0	1.5	.0	1.0	1.0	.0	.5	1.0	.0	.5
29	7.5	4.5	6.0	2.5	.5	1.5	1.0	.0	.5	1.0	.0	.5
30	6.0	4.0	5.0	3.0	2.0	2.5	1.0	.0	.5	1.0	.0	.5
31	7.0	5.0	6.0	---	---	---	1.0	.0	.5	1.0	.0	.5
MONTH	16.0	4.0	9.6	8.5	.0	4.4	3.0	.0	.6	1.0	.0	.5

01129500 CONNECTICUT RIVER AT NORTH STRATFORD, NH -- Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5	9.5	5.5	7.5
2	.5	.0	.5	1.0	.0	.5	1.0	.0	.5	10.0	7.0	9.0
3	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5	11.5	8.5	10.0
4	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5	11.5	10.5	11.0
5	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5	11.0	8.5	10.0
6	1.0	.0	.5	1.0	.0	.5	1.0	.0	.5	11.0	7.5	9.5
7	1.0	---	---	1.0	.0	.5	1.5	.0	.5	13.0	7.5	10.0
8	1.0	---	---	1.0	.0	.5	3.0	.5	1.5	14.0	8.5	11.5
9	1.0	.0	.5	1.0	.0	.5	4.0	1.5	2.5	15.0	10.5	12.5
10	1.5	---	---	1.0	.0	.5	6.0	2.0	3.5	16.0	11.0	13.5
11	2.0	---	---	1.5	.0	.5	5.0	1.5	3.5	17.5	12.0	14.5
12	1.5	---	---	1.0	.0	.5	3.0	1.0	2.0	17.0	13.0	15.0
13	1.0	.0	.5	1.0	.0	.5	2.0	1.0	1.5	14.0	11.0	13.0
14	1.0	.0	.5	1.0	.0	.5	2.5	.5	1.5	12.5	10.0	11.0
15	1.0	---	---	1.0	---	---	3.5	1.0	2.0	10.5	9.5	10.0
16	1.0	.0	.5	1.0	.0	.5	4.0	1.5	2.5	12.0	9.5	10.5
17	1.0	.0	.5	1.0	.0	.5	4.0	2.0	3.0	14.5	10.0	12.0
18	1.0	.0	.5	1.0	.0	.5	4.0	1.5	2.5	13.5	11.0	12.5
19	1.0	.0	.5	1.0	.0	.5	4.0	1.5	2.5	13.0	11.5	12.0
20	1.0	.0	.5	1.0	.0	.5	6.0	1.5	3.5	15.0	10.5	12.5
21	1.0	.0	.5	1.0	.0	.5	6.0	3.0	4.0	17.0	12.0	14.5
22	1.0	.0	.5	1.0	.0	.5	4.0	2.0	3.0	16.5	13.5	15.0
23	1.0	.0	.5	1.0	.0	.5	4.5	1.5	3.0	17.5	13.5	15.5
24	1.0	.0	.5	1.0	.0	.5	5.5	3.5	4.5	19.5	14.5	16.5
25	1.0	.0	.5	1.0	.0	.5	5.0	3.5	4.0	20.5	13.5	16.5
26	1.0	.0	.5	1.0	.0	.5	5.5	3.5	4.5	19.5	15.0	17.0
27	1.0	.0	.5	1.0	.0	.5	6.0	4.5	5.0	17.0	15.5	16.0
28	1.0	.0	.5	1.0	---	---	6.0	4.5	5.0	15.5	13.0	14.5
29	---	---	---	1.0	.0	.5	7.0	4.5	5.5	13.5	12.0	13.0
30	---	---	---	1.0	.0	.5	7.0	5.0	6.0	13.0	10.5	12.0
31	---	---	---	1.0	.0	.5	---	---	---	11.0	9.5	10.5
MONTH	2.0	.0	.5	1.5	.0	.5	7.0	.0	2.7	20.5	5.5	12.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.0	8.5	11.0	20.5	18.0	19.0	21.0	16.0	18.5	19.5	16.0	18.0
2	13.0	11.5	12.0	18.5	15.5	17.0	22.0	16.0	19.0	17.5	15.0	16.0
3	13.5	11.5	12.5	17.0	14.5	16.0	22.5	18.0	20.0	19.0	14.0	16.5
4	13.0	12.0	12.5	19.5	15.0	17.5	23.0	17.5	20.0	18.5	16.0	17.0
5	12.5	11.5	12.0	19.5	17.0	18.5	22.0	17.5	19.5	---	---	---
6	12.0	11.0	11.5	18.0	15.5	17.0	21.5	17.0	19.5	---	---	---
7	14.0	11.5	12.5	19.5	14.5	17.0	21.0	17.5	19.5	---	---	---
8	15.5	12.5	13.5	18.0	16.5	17.0	22.5	17.5	19.5	---	---	---
9	15.0	12.0	13.5	22.5	17.0	19.5	23.5	18.5	20.5	---	---	---
10	16.5	12.5	14.0	19.5	17.5	18.5	22.0	18.0	20.0	---	---	---
11	16.5	13.0	14.5	18.0	15.5	17.0	21.5	17.0	19.0	---	---	---
12	15.0	12.5	13.5	16.0	15.0	15.5	22.0	17.0	19.0	---	---	---
13	16.5	12.0	14.0	16.0	14.5	15.5	21.5	17.5	19.0	---	---	---
14	19.5	14.0	16.5	15.5	14.5	15.0	21.5	17.0	19.0	---	---	---
15	22.0	15.5	18.5	15.5	14.5	15.0	21.5	16.5	19.0	---	---	---
16	25.0	19.0	21.5	17.0	14.5	15.5	21.0	16.0	18.5	---	---	---
17	21.5	18.5	20.5	17.5	15.0	16.0	20.0	17.5	19.0	---	---	---
18	20.0	17.0	18.5	17.0	14.5	15.5	19.5	17.0	18.0	---	---	---
19	22.5	17.0	19.5	18.5	14.5	16.5	21.5	17.0	19.0	---	---	---
20	22.0	18.5	20.5	20.0	15.5	17.5	20.0	17.5	19.0	---	---	---
21	23.0	18.0	19.5	20.5	15.5	17.5	20.0	17.5	18.5	17.5	15.5	16.5
22	22.0	17.5	19.0	20.0	15.5	17.5	21.5	18.5	19.5	19.0	15.5	17.0
23	23.5	17.5	20.0	21.0	15.5	18.0	22.5	17.5	19.5	19.0	15.5	17.0
24	19.5	17.0	18.0	21.5	17.0	19.0	22.0	17.5	19.5	19.5	15.5	17.5
25	20.5	16.5	18.5	19.5	17.5	18.5	---	---	---	18.0	16.5	17.5
26	23.5	17.5	20.5	19.5	16.0	18.0	---	---	---	18.5	16.0	17.0
27	25.5	19.5	22.0	18.0	15.0	16.5	---	---	---	17.0	15.0	16.0
28	---	---	---	18.0	14.0	16.0	---	---	---	15.5	13.5	14.5
29	---	---	---	20.0	14.0	16.5	20.5	15.0	18.0	16.0	12.0	14.0
30	---	---	---	19.5	15.0	17.0	---	---	---	15.5	11.0	13.0
31	---	---	---	20.0	15.5	17.5	---	---	---	---	---	---
MONTH	25.5	8.5	16.3	22.5	14.0	17.0	23.5	15.0	19.2	19.5	11.0	16.2

01130000 UPPER AMMONOOSUC RIVER NEAR GROVETON, NH

LOCATION (REVISED).--Lat 44°37'30", long 71°28'10", Coos County, Hydrologic Unit 01080101, on left bank, 75 ft upstream from Emerson Road bridge, 0.2 mi downstream from Nash Stream, 2.8 mi northeast of Groveton, and 3.4 mi northwest of Stark.
DRAINAGE AREA.--232 mi^2.
PERIOD OF RECORD.--Discharge records: August 1940 to November 1980, October 1982 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 920 ft above sea level, from topographic map.
REMARKS.--Records good except those for 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)
Apr. 25	0845	* 7,730	* 8.31	May 03	1930	3,520	6.06

Minimum discharge, 31 ft^3/s, September 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	186	294	e300	e210	e160	149	2070	431	139	88	174
2	120	180	236	e290	e180	e160	150	2910	625	155	80	153
3	115	181	250	e280	e175	e155	147	3280	1540	133	68	104
4	113	183	e245	e265	e175	e155	149	3090	1750	116	61	77
5	117	251	e240	e260	e170	e155	e175	2330	1300	115	56	63
6	328	422	e225	e250	e170	e160	e210	1550	949	116	53	59
7	490	352	e220	e240	e175	e165	235	1180	684	105	50	54
8	353	326	e215	e230	e180	e160	268	1020	517	102	46	47
9	306	300	e210	e230	e185	e160	e280	952	413	104	44	42
10	262	313	e210	e225	e285	e155	e375	907	351	136	47	40
11	244	782	e230	e220	e340	e155	e550	829	313	234	53	46
12	277	835	e280	e215	e275	e155	e770	821	296	303	49	48
13	258	544	e415	e215	e250	e160	e1050	1040	283	256	44	43
14	224	437	e350	e210	e235	e165	e1250	743	251	221	41	39
15	203	775	e320	e210	e220	e170	1280	581	221	213	38	38
16	185	666	e295	e210	e205	e175	1260	523	200	188	36	35
17	177	485	e385	e205	e195	e170	1240	469	229	168	38	35
18	203	409	e1450	e200	e190	e175	1200	420	278	176	74	34
19	328	351	2240	e195	e190	174	972	690	223	152	60	33
20	280	313	1400	e190	e185	182	842	641	183	129	53	32
21	227	302	825	e185	e185	e200	1160	465	162	114	82	71
22	203	285	692	e180	e180	220	2500	385	154	103	86	123
23	186	252	e590	e180	e180	219	4620	338	147	96	69	105
24	175	240	e485	e175	e175	e205	6130	305	172	97	56	79
25	170	e285	e430	e175	e175	e190	7020	275	173	147	46	128
26	163	e245	e390	e170	e170	e180	3890	251	146	120	40	428
27	159	e300	e365	e170	e170	e170	2690	242	130	97	48	236
28	155	390	e340	e165	e165	164	2250	327	118	89	55	146
29	152	351	e320	e165	---	e155	1850	678	109	82	87	114
30	151	320	e310	e170	---	151	1660	497	109	75	68	96
31	166	---	e305	e190	---	151	---	428	---	75	58	---
TOTAL	6614	11261	14762	6565	5590	5271	46322	30237	12457	4356	1774	2722
MEAN	213	375	476	212	200	170	1544	975	415	141	57.2	90.7
MAX	490	835	2240	300	340	220	7020	3280	1750	303	88	428
MIN	113	180	210	165	165	151	147	242	109	75	36	32
CFSM	.92	1.62	2.05	.91	.86	.73	6.66	4.20	1.79	.61	.25	.39
IN.	1.06	1.81	2.37	1.05	.90	.85	7.43	4.85	2.00	.70	.28	.44
(†)	2.44	2.22	2.72	2.98	2.97	3.45	2.95	2.30	2.17	2.26	2.61	1.85

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

MEAN	315	450	351	261	217	463	1426	1125	446	243	199	203
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	57.2	51.0
(WY)	1949	1948	1948	1948	1980	1941	1995	1941	1953	1991	2001	1948

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1940 - 2001**	
ANNUAL TOTAL	193069		147931			
ANNUAL MEAN	528		405		475	
HIGHEST ANNUAL MEAN					696	1954
LOWEST ANNUAL MEAN					297	1980
HIGHEST DAILY MEAN	4590	Apr 5	7020	Apr 25	8350	Apr 23 1954
LOWEST DAILY MEAN	93	Jul 27	32	Sep 20	a 32	Sep 14 1948
ANNUAL SEVEN-DAY MINIMUM	107	Sep 8	35	Sep 14	35	Sep 14 2001
MAXIMUM PEAK FLOW			7730	Apr 25	b 24100	May 20 1969
MAXIMUM PEAK STAGE			8.31	Apr 25	c 12.01	May 20 1969
INSTANTANEOUS LOW FLOW			31	Sep 20	31	Sep 20 2001
ANNUAL RUNOFF (CFSM)	2.27		1.75		2.05	
ANNUAL RUNOFF (INCHES)	30.96		23.72		27.82	
10 PERCENT EXCEEDS	1310		838		1110	
50 PERCENT EXCEEDS	280		200		247	
90 PERCENT EXCEEDS	136		61		95	

(†) Diversion in cubic feet per second for municipal supply of Berlin; records furnished by City of Berlin.
a Also occurred September 20, 2001.
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 (REVISED).--Lat 44°24'36", long 71°43'16", Coos County, Hydrologic Unit 01080101, on left bank, 250 ft upstream from Dalton Hill Road bridge, 1,200 ft downstream from dam of Gilman Paper Co., 0.3 mi south of Post Office in Gilman, VT, 0.3 mi north of Dalton Hill Road and State Highway 135 intersection in Cusham, 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.
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 poor. Flow regulated by power plants 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, 32,300 ft^3/s, April 25, gage height, 21.38 ft; minimum daily discharge, 407 ft^3/s, September 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1060	1490	2510	3180	1740	1070	915	7640	2930	978	1180	1010
2	1010	1570	2130	3160	1660	1010	959	9570	2950	1450	1170	2510
3	932	1570	1560	2850	1740	896	953	11000	4750	1510	1150	1760
4	947	1530	1260	e2500	e1650	963	972	11000	6910	1230	1010	1040
5	970	1820	1180	2560	1600	953	1440	9180	7050	1190	1070	740
6	1250	2840	1160	2390	1580	934	1750	6530	6360	1470	1020	735
7	2520	3400	e1200	2500	1690	947	2050	4940	5310	1210	989	624
8	2230	3050	e980	2460	1590	896	2310	4130	4200	790	958	592
9	2440	2600	916	2360	1780	885	2590	3670	3380	1250	949	570
10	2220	2390	879	2300	1660	887	2820	3430	2700	1040	1130	533
11	2060	3470	841	2250	e2230	910	3640	3080	2550	1430	1230	523
12	2040	4930	1250	2070	e2500	886	4980	3040	2110	2320	1130	517
13	2240	4200	1240	2020	2200	878	7330	3500	2370	2830	1120	512
14	2170	3310	1470	1980	2280	882	9490	3650	2250	2540	1110	490
15	1940	3530	1410	1880	2190	876	10600	2850	1750	2350	854	491
16	1850	4220	1380	1960	2080	896	10400	2480	1470	3120	890	463
17	1550	3690	e1850	1960	1960	925	9860	2070	1250	2660	928	424
18	1690	3180	e6600	e1930	e1650	801	8670	e1770	1820	2260	918	407
19	1900	2370	11600	1810	1540	857	7230	2090	1940	2390	1150	441
20	2330	2320	11200	1790	1340	920	5910	3520	1260	1940	1000	475
21	1930	1960	7570	1850	1300	812	6800	3140	1190	1640	1020	511
22	1590	1870	5190	1750	1480	1010	12000	2590	1060	1550	939	887
23	1540	1630	4120	e1690	1140	1060	19000	1900	1050	1380	848	747
24	1620	1150	3440	1760	1050	1110	24300	1830	957	1290	811	725
25	1340	1040	e2860	1780	1080	1030	31300	1560	1870	1550	679	719
26	1510	1190	e3050	e1790	1070	1030	28700	1360	1750	2380	584	1370
27	1410	1780	2920	1650	975	968	20100	1230	1050	1500	492	1620
28	1370	2920	e2590	1700	1010	970	14200	865	e1020	1460	534	1080
29	1300	3490	2360	e1730	---	931	10200	2400	e750	1300	670	763
30	1440	3120	2730	1610	---	958	8060	3310	1050	1160	639	699
31	1310	---	2560	1480	---	849	---	3080	---	1220	665	---
TOTAL	51709	77630	92006	64700	45765	29000	269529	122405	77057	52388	28837	23978
MEAN	1668	2588	2968	2087	1634	935	8984	3949	2569	1690	930	799
MAX	2520	4930	11600	3180	2500	1110	31300	11000	7050	3120	1230	2510
MIN	932	1040	841	1480	975	801	915	865	750	790	492	407

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2001, BY WATER YEAR (WY)

MEAN	2188	2873	2509	2134	1820	2919	7794	5516	2480	1582	1408	1520
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1927 - 2001	
ANNUAL TOTAL	1191638		935004			
ANNUAL MEAN	3256		2562		2899	
HIGHEST ANNUAL MEAN					4203	1996
LOWEST ANNUAL MEAN					1934	1995
HIGHEST DAILY MEAN	23300	May 12	31300	Apr 25	46500	Mar 20 1936
LOWEST DAILY MEAN	a 754	Jul 28	407	Sep 18	115	Oct 3 1937
ANNUAL SEVEN-DAY MINIMUM	877	Sep 8	456	Sep 14	265	Sep 8 1957
MAXIMUM PEAK FLOW			32300	Apr 25	48300	Mar 20 1936
MAXIMUM PEAK STAGE			21.38	Apr 25	25.60	Mar 20 1936
10 PERCENT EXCEEDS	6930		4820		6070	
50 PERCENT EXCEEDS	1840		1620		1870	
90 PERCENT EXCEEDS	1030		849		819	

a Also occurred August 3, 2000.
e Estimated.

01133000 EAST BRANCH PASSUMPSIC RIVER NEAR EAST HAVEN, VT

LOCATION (REVISED).--Lat 44°38'02", long 71°53'53", Caledonia County, Hydrologic Unit 01080102, on right bank, in Town of Burke, downstream of Watkins Road, 0.5 mi upstream from Flower Brook, 0.9 mi south of Hartwellville, 2.1 mi south of East Haven, 4.2 mi east of Post Office in West Burke, 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.

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)
Dec. 18	0015	* 2,940	* 8.47	Apr. 24	1845	2,180	7.49

Minimum discharge, 11 ft^3/s, August 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	55	88	e97	e71	73	42	418	114	e50	22	139
2	43	53	71	e95	83	73	41	453	158	e43	21	59
3	44	51	e62	e90	e74	72	40	403	294	e37	20	36
4	43	54	e57	e88	e76	70	43	331	230	e32	19	31
5	45	102	e64	e85	e71	e76	58	255	168	e34	18	26
6	134	127	e59	e85	e74	e69	64	207	138	e32	17	22
7	106	106	e71	e76	e88	e69	62	176	e107	e29	17	21
8	133	97	e74	e78	78	e69	82	157	e82	e30	19	21
9	98	89	e83	e83	82	e66	84	143	e68	e34	17	20
10	82	116	e76	e76	e114	65	121	133	e61	e96	18	20
11	84	241	e71	e76	e126	64	164	125	e55	e138	17	24
12	84	158	e69	e74	e135	62	230	151	e58	e134	14	18
13	73	116	e67	e76	e162	62	306	183	e53	e94	14	17
14	72	111	e66	e81	e169	64	275	135	e49	e75	13	15
15	65	191	e65	90	158	56	245	121	e46	e70	12	14
16	55	128	e64	86	147	49	235	116	e43	e59	12	14
17	55	110	805	77	e81	47	246	109	e62	e51	18	14
18	80	94	1160	e74	e83	44	226	106	e63	e47	37	14
19	99	82	319	e74	e78	43	171	249	e47	e39	21	14
20	74	77	229	74	83	46	177	157	e39	e33	18	14
21	66	77	165	83	e76	52	348	119	e40	e31	30	41
22	57	73	e152	74	e83	53	960	106	e37	e30	41	37
23	52	61	e126	e74	e88	52	1020	99	e35	e32	23	27
24	53	70	e121	73	e83	49	1530	94	e35	e25	19	22
25	54	135	e119	69	e83	47	875	88	e41	e32	16	94
26	53	180	e115	e78	e81	49	548	83	e42	e28	15	100
27	55	169	e112	e74	75	50	491	87	e34	e25	24	44
28	51	136	e109	69	72	42	420	138	e34	e27	24	31
29	47	110	e107	e85	---	44	348	168	e31	e26	38	25
30	50	101	e102	e74	---	41	334	127	e34	e26	23	22
31	56	---	e100	e71	---	44	---	131	---	e27	21	---
TOTAL	2107	3270	4948	2459	2674	1762	9786	5368	2298	1466	638	996
MEAN	68.0	109	160	79.3	95.5	56.8	326	173	76.6	47.3	20.6	33.2
MAX	134	241	1160	97	169	76	1530	453	294	138	41	139
MIN	43	51	57	69	71	41	40	83	31	25	12	14
CFSM	1.26	2.03	2.97	1.47	1.78	1.06	6.06	3.22	1.42	.88	.38	.62
IN.	1.46	2.26	3.42	1.70	1.85	1.22	6.77	3.71	1.59	1.01	.44	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	82.7	101	85.9	65.2	54.1	95.0	288	213	106	67.4	55.5	61.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	47313		37772			
ANNUAL MEAN	129		103		106	
HIGHEST ANNUAL MEAN					166	1973
LOWEST ANNUAL MEAN					76.0	1941
HIGHEST DAILY MEAN	1200	May 11	1530	Apr 24	2000	Jul 1 1973
LOWEST DAILY MEAN	28	Jul 27	12	Aug 15	a 12	Sep 1 1999
ANNUAL SEVEN-DAY MINIMUM	35	Jul 22	14	Sep 14	12	Aug 31 1999
MAXIMUM PEAK FLOW			b 2940	Dec 18	b 4450	Jun 30 1973
MAXIMUM PEAK STAGE			8.47	Dec 18	11.45	Jun 30 1973
INSTANTANEOUS LOW FLOW			11	Aug 16	c 11	Sep 4 1999
ANNUAL RUNOFF (CFSM)	2.40		1.92		1.97	
ANNUAL RUNOFF (INCHES)	32.71		26.12		26.78	
10 PERCENT EXCEEDS	262		173		229	
50 PERCENT EXCEEDS	78		72		64	
90 PERCENT EXCEEDS	40		22		31	

a Also occurred on August 15, 16, 2001.
b From rating curve extended above 1,300 ft^3/s on basis of slope area measurement of peak flow.
c Also occurred on August 16, 2001.
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 Burke Road and River Road intersection in Gallup Mills.
DRAINAGE AREA.--75.2 mi^2.
PERIOD OF RECORD.--Discharge records: January 1947 to current year.
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)
Dec. 18	1445	2,530	9.81	Apr. 25	0200	* 2,950	* 10.17

Minimum discharge, 2.2 ft^3/s, August 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	61	123	e103	e58	e50	e43	476	131	46	11	64
2	36	58	95	e100	e57	e56	e43	648	208	47	10	53
3	34	55	90	e98	e56	e49	e44	649	489	33	9.2	27
4	32	53	80	e96	e56	e49	e45	549	528	26	8.3	18
5	36	110	e72	e94	e56	e48	e49	385	331	27	7.1	14
6	197	207	e69	e93	e55	e48	e57	263	216	24	6.2	11
7	249	149	e68	e90	e55	e48	e68	215	154	20	5.5	9.7
8	217	137	e68	e89	e55	e47	e78	194	109	19	5.2	8.5
9	180	122	e67	e88	e54	e46	e90	177	80	29	5.6	7.0
10	127	141	e67	e86	e54	e46	e110	159	66	169	5.4	6.2
11	110	362	e68	e84	e65	e46	e130	140	55	259	6.1	7.1
12	122	344	e67	e79	e85	e45	e160	131	54	262	5.7	6.9
13	97	195	e71	e77	e74	e44	e205	189	52	163	4.5	6.1
14	83	151	e68	e75	e66	e43	e235	125	46	126	3.9	5.6
15	71	294	e67	e74	e62	e43	e265	103	41	118	3.5	5.4
16	62	237	e67	e73	e59	e42	e255	96	34	87	2.7	4.8
17	59	171	e165	e72	e57	e42	e240	88	52	66	2.5	4.6
18	75	146	1960	e71	e56	e43	e225	79	76	62	10	4.1
19	145	119	984	e70	e56	e43	e215	153	44	46	12	3.7
20	102	104	508	e69	e56	e44	e310	134	33	36	7.6	3.8
21	80	99	e340	e68	e55	e47	e410	90	28	30	10	45
22	68	95	e190	e68	e54	e52	1170	70	25	26	13	63
23	60	78	e170	e67	e54	e57	2150	63	25	23	13	39
24	58	80	e155	e67	e53	e54	2220	56	105	20	8.8	26
25	55	67	e145	e65	e52	e51	2240	50	81	23	6.3	87
26	52	70	e135	e63	e52	e48	1040	46	43	20	4.7	377
27	51	156	e128	e61	e51	e46	837	44	31	16	6.1	110
28	49	210	e122	e59	e51	e45	697	81	26	14	13	56
29	47	161	e117	e56	---	e44	541	245	21	13	33	40
30	48	144	e110	e55	---	e43	458	140	23	12	24	32
31	56	---	e105	e56	---	e43	---	135	---	12	15	---
TOTAL	2696	4376	6541	2366	1614	1452	14630	5973	3207	1874	278.9	1145.5
MEAN	87.0	146	211	76.3	57.6	46.8	488	193	107	60.5	9.00	38.2
MAX	249	362	1960	103	85	57	2240	649	528	262	33	377
MIN	32	53	67	55	51	42	43	44	21	12	2.5	3.7
CFSM	1.16	1.94	2.81	1.01	.77	.62	6.48	2.56	1.42	.80	.12	.51
IN.	1.33	2.16	3.24	1.17	.80	.72	7.24	2.95	1.59	.93	.14	.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2001, BY WATER YEAR (WY)

MEAN	109	147	118	82.0	73.3	164	490	270	114	69.9	65.1	65.5
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	9.00	8.34
(WY)	1948	1948	1948	1948	1980	1956	1995	1999	1988	1991	2001	1948

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	63458.9		46153.4			
ANNUAL MEAN	173		126		147	
HIGHEST ANNUAL MEAN					205	1974
LOWEST ANNUAL MEAN					102	1975
HIGHEST DAILY MEAN	1960	Dec 18	2240	Apr 25	4100	Mar 31 1987
LOWEST DAILY MEAN	7.9	Jul 27	2.5	Aug 17	2.5	Aug 17 2001
ANNUAL SEVEN-DAY MINIMUM	12	Jul 22	4.1	Aug 11	3.6	Jul 29 1991
MAXIMUM PEAK FLOW			2950	Apr 25	4940	Jul 1 1973
MAXIMUM PEAK STAGE			10.17	Apr 25	12.04	Jul 1 1973
INSTANTANEOUS LOW FLOW			2.2	Aug 17	a 2.2	Aug 4 1991
ANNUAL RUNOFF (CFSM)	2.31		1.68		1.95	
ANNUAL RUNOFF (INCHES)	31.39		22.83		26.53	
10 PERCENT EXCEEDS	413		236		350	
50 PERCENT EXCEEDS	86		61		72	
90 PERCENT EXCEEDS	30		10		21	

a Also occurred on August 17, 2001.
e Estimated.

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

LOCATION (REVISED).--Lat 44°28'35", long 72°07'31", Caledonia County, Hydrologic Unit 01080102, on left bank, 200 ft upstream of Morril Flat Road, 0.3 mi north of Pope Cemetery, 1.1 mi upstream of North Brook, 1.7 mi northwest of North Danville, 4.5 mi north of Danville, and 6.4 mi northwest of Court House in St. Johnsbury.
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)
Dec. 17	1950	* 235	* 2.90	Apr. 24	1530	143	2.44

Minimum discharge, 0.65 ft^3/s, August 15, 24-26, and September 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.8	4.2	4.6	2.6	e2.1	2.2	29	3.3	2.6	.92	1.9
2	1.3	1.7	3.5	4.5	2.6	e2.0	2.1	26	9.3	1.7	.87	.99
3	1.3	1.7	3.3	4.3	2.5	2.0	2.1	20	15	1.5	.98	.87
4	1.3	1.7	3.7	4.3	2.6	1.8	2.5	16	11	1.6	.88	.86
5	1.5	5.1	e3.1	4.1	2.4	1.9	3.5	13	6.5	2.0	.86	.84
6	9.1	3.3	e3.1	3.9	2.7	2.0	3.3	11	4.8	1.5	.83	.79
7	3.9	2.6	e3.1	3.9	2.4	1.9	3.9	9.5	4.0	1.4	.85	.77
8	4.6	2.3	e3.0	3.7	2.4	1.9	4.9	8.6	3.3	1.5	.90	.76
9	2.6	2.2	e3.0	3.7	2.6	2.0	5.3	7.9	3.0	1.4	.81	.74
10	2.3	6.2	e2.9	3.5	3.9	2.0	8.4	7.3	2.8	2.3	.95	.87
11	2.4	9.9	e3.2	3.4	e3.0	2.0	8.3	6.8	2.8	2.2	.83	.89
12	2.2	4.3	e3.8	3.1	e2.6	1.9	15	11	3.1	2.2	.79	.77
13	1.9	3.3	2.9	3.1	2.5	2.0	17	8.4	2.7	2.0	.81	.78
14	1.8	5.4	2.7	3.0	2.4	2.0	15	6.8	2.4	2.0	.76	.75
15	1.7	9.0	2.5	3.1	2.4	2.1	15	6.2	2.1	1.6	.74	.74
16	1.8	4.5	2.5	3.1	2.3	2.1	16	5.8	1.9	1.4	.75	.73
17	1.8	3.9	71	3.0	2.3	2.1	16	5.3	3.6	1.9	.89	.73
18	4.1	3.5	34	2.9	2.3	2.1	15	5.2	2.4	1.5	.87	.73
19	2.9	3.2	14	2.9	2.2	2.1	13	5.6	1.9	1.3	.80	.73
20	2.2	3.0	12	2.9	2.2	2.3	17	4.7	1.7	1.2	.82	.77
21	2.0	3.1	12	2.8	2.3	2.6	31	4.1	1.7	1.2	.94	1.7
22	1.9	3.0	12	2.7	e2.2	2.7	70	3.9	1.7	1.1	.86	.98
23	1.8	2.5	8.8	2.5	2.2	2.5	69	3.7	1.8	1.1	.77	.89
24	1.8	2.6	e8.0	2.7	2.1	2.4	90	3.7	2.6	1.1	.74	.90
25	1.8	3.1	e7.0	2.7	2.1	2.3	49	3.2	1.9	1.1	.71	3.7
26	1.7	5.8	e6.6	2.6	2.1	2.2	40	3.0	1.6	1.0	.71	1.7
27	1.7	12	6.0	2.6	2.1	2.2	35	3.4	1.5	1.0	1.0	1.1
28	1.7	6.3	5.6	2.5	2.1	2.2	28	8.3	1.4	1.0	1.0	.97
29	1.8	5.6	5.0	2.3	---	2.2	24	5.3	1.4	1.0	1.1	.91
30	1.9	4.9	4.9	2.6	---	2.2	24	3.8	2.1	.97	.84	.88
31	1.9	---	4.9	2.7	---	2.3	---	4.2	---	.96	.91	---
TOTAL	72.0	127.5	262.3	99.7	68.1	66.1	645.5	260.7	105.3	46.33	26.49	30.74
MEAN	2.32	4.25	8.46	3.22	2.43	2.13	21.5	8.41	3.51	1.49	.85	1.02
MAX	9.1	12	71	4.6	3.9	2.7	90	29	15	2.6	1.1	3.7
MIN	1.3	1.7	2.5	2.3	2.1	1.8	2.1	3.0	1.4	.96	.71	.73
CFSM	.71	1.31	2.60	.99	.75	.66	6.62	2.59	1.08	.46	.26	.32
IN.	.82	1.46	3.00	1.14	.78	.76	7.39	2.98	1.21	.53	.30	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	3.86	5.54	5.22	4.93	3.57	6.13	19.3	9.03	4.24	3.13	2.88	2.57
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	2.13	6.87	4.51	1.84	1.40	.85	1.02
(WY)	1995	1995	1998	1994	1993	2001	1995	1998	1995	1991	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	2554.9		1810.76			
ANNUAL MEAN	6.98		4.96		5.92	
HIGHEST ANNUAL MEAN					8.44	1996
LOWEST ANNUAL MEAN					3.93	1995
HIGHEST DAILY MEAN	71	Dec 17	90	Apr 24	90	Apr 24 2001
LOWEST DAILY MEAN	1.1	Sep 8	a .71	Aug 25	a .71	Aug 25 2001
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 6	.74	Sep 14	.74	Sep 14 2001
MAXIMUM PEAK FLOW			b 235	Dec 17	b 249	Jul 15 1997
MAXIMUM PEAK STAGE			2.90	Dec 17	2.96	Jul 15 1997
INSTANTANEOUS LOW FLOW			c .65	Aug 15	c .65	Aug 15 2001
ANNUAL RUNOFF (CFSM)	2.15		1.53		1.82	
ANNUAL RUNOFF (INCHES)	29.24		20.73		24.77	
10 PERCENT EXCEEDS	17		9.7		12	
50 PERCENT EXCEEDS	3.1		2.4		3.5	
90 PERCENT EXCEEDS	1.4		.87		1.5	

a Also occurred on August 26, 2001.
b From rating curve extended above 84 ft^3/s on basis of theoretical weir formula.
c Also occurred on August 24-26, September 9, 2001.
e Estimated.

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

LOCATION (REVISED).--Lat 44°26'07", long 72°02'20", Caledonia County, Hydrologic Unit 01080102, on left bank, just upstream of Emerson Falls, 0.6 mi upstream of US 2 bridge, 1.5 mi northwest of Post Office in St. Johnsbury, and 2.7 mi above mouth.
DRAINAGE AREA.--42.9 mi^2.
PERIOD OF RECORD.--Discharge Records: October 1990 to current year.
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)
Dec. 17	2100	* 3,820	* 5.39	Apr. 22	1730	1,320	3.53

Minimum discharge, 0.98 ft^3/s, August 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	18	55	e52	28	e23	31	247	36	28	e3.0	11
2	10	17	42	e50	27	e23	30	227	97	18	2.7	6.5
3	9.9	16	31	49	28	e22	29	193	183	12	3.0	4.3
4	10	16	28	48	e28	e22	32	159	167	11	2.6	3.4
5	12	67	30	47	e28	e22	54	133	84	15	2.2	3.1
6	124	61	30	45	e27	e21	65	114	57	12	2.0	2.5
7	64	36	28	45	27	e21	63	100	43	10	1.9	2.2
8	84	29	e27	43	26	21	95	90	34	10	2.0	1.9
9	42	26	e26	43	29	21	110	83	29	10	1.8	1.8
10	31	73	e25	40	48	22	173	76	26	16	1.7	1.6
11	29	163	e24	37	52	22	182	70	24	23	2.1	2.5
12	26	75	e36	36	36	e22	230	84	29	21	1.7	2.2
13	22	48	40	e36	32	e23	299	94	26	16	1.5	1.8
14	20	52	28	e35	30	24	278	68	21	16	1.4	1.7
15	18	159	27	e35	29	24	239	60	18	14	1.2	1.5
16	18	70	28	e34	e28	25	241	57	16	11	1.1	1.4
17	19	53	1130	34	e27	25	238	52	41	14	1.5	1.4
18	44	46	542	33	e26	27	213	49	30	15	1.9	1.3
19	52	39	184	32	e25	26	183	57	19	10	1.7	1.3
20	31	36	127	32	e24	28	227	47	15	e9.4	1.7	1.3
21	25	35	109	e31	27	e32	389	40	13	e8.4	2.6	6.0
22	21	34	e84	e30	e26	e34	844	37	13	e7.9	2.5	6.3
23	19	27	e76	e29	e26	e33	684	36	13	e7.0	2.1	4.7
24	19	12	e70	28	e25	e33	847	36	31	e6.6	1.6	3.5
25	18	14	e68	28	e25	e32	478	31	21	e5.8	1.3	14
26	18	14	e66	e27	e24	32	358	27	14	e5.4	1.1	21
27	17	21	67	e27	e23	31	316	30	11	e5.0	2.7	9.3
28	17	77	63	e26	e23	30	266	68	9.9	e4.5	2.8	6.4
29	16	82	59	e26	---	29	221	78	9.6	e3.9	3.8	5.2
30	17	69	e56	e26	---	29	215	44	15	e3.4	3.5	4.4
31	19	---	e54	30	---	32	---	41	---	e3.2	2.8	---
TOTAL	881.9	1485	3260	1114	804	811	7630	2528	1145.5	352.5	65.5	135.5
MEAN	28.4	49.5	105	35.9	28.7	26.2	254	81.5	38.2	11.4	2.11	4.52
MAX	124	163	1130	52	52	34	847	247	183	28	3.8	21
MIN	9.9	12	24	26	23	21	29	27	9.6	3.2	1.1	1.3
CFSM	.66	1.15	2.45	.84	.67	.61	5.93	1.90	.89	.26	.05	.11
IN.	.76	1.29	2.83	.97	.70	.70	6.61	2.19	.99	.31	.06	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	52.8	68.9	66.7	58.8	42.9	86.6	215	98.5	43.7	33.9	33.1	26.4
MAX	128	124	143	108	93.3	142	302	198	100	84.2	97.9	56.9
(WY)	1991	1991	1991	1996	1996	1998	1994	2000	1998	1998	1998	1999
MIN	20.0	31.6	33.4	24.5	19.8	26.2	75.2	48.8	14.9	8.47	2.11	4.52
(WY)	1995	1995	1998	1994	1993	2001	1995	1998	1995	1991	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	29749.7		20212.9			
ANNUAL MEAN	81.3		55.4		68.9	
HIGHEST ANNUAL MEAN					93.2	1996
LOWEST ANNUAL MEAN					42.8	1995
HIGHEST DAILY MEAN	1130	Dec 17	1130	Dec 17	1380	Aug 12 1998
LOWEST DAILY MEAN	6.2	Jul 27	a 1.1	Aug 16	a 1.1	Aug 16 2001
ANNUAL SEVEN-DAY MINIMUM	8.2	Sep 6	1.4	Sep 14	1.4	Sep 14 2001
MAXIMUM PEAK FLOW			b 3820	Dec 17	b 7570	Aug 12 1998
MAXIMUM PEAK STAGE			5.39	Dec 17	7.11	Aug 12 1998
INSTANTANEOUS LOW FLOW			.98	Aug 16	.98	Aug 16 2001
ANNUAL RUNOFF (CFSM)	1.89		1.29		1.61	
ANNUAL RUNOFF (INCHES)	25.78		17.52		21.83	
10 PERCENT EXCEEDS	200		112		153	
50 PERCENT EXCEEDS	34		27		40	
90 PERCENT EXCEEDS	12		2.6		11	

a Also occurred on August 26, 2001.
b From rating curve extended above 560 ft^3/s on basis of theoretical weir formula.
e Estimated.

01135500 PASSUMPSIC RIVER AT PASSUMPSIC, VT

LOCATION (REVISED).--Lat 44°21'56", long 72°02'23", Caledonia County, Hydrologic Unit 01080102, on right bank, 0.7 mi upstream from Water Andric, 1.1 mi downstream from dam, bridge, and village of Passumpsic, 3.8 mi south of Town Hall in St. Johnsbury, 4.0 mi upstream from mouth, and 4.8 mi north of Post Office in Barnet.

DRAINAGE AREA.--436 mi^2.

PERIOD OF RECORD.--Discharge records: October 1928 to current year. Monthly discharge only October 1928, published in WSP 1301.

REVISED RECORDS.--WSP 781: 1933(M). WSP 871: Drainage area. WSP 1231: 1929, 1930-31(M).

GAGE.--Water-stage recorder. Elevation of gage is 500 ft above sea level, from topographic map.

REMARKS.--Records good except for those estimated daily discharges, which are fair. Low flow regulated by power plants 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)
Dec. 18	0430	* 11,400	* 16.36	Apr. 25	0345	9,180	13.89

Minimum daily discharge, 66 ft^3/s, August 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	340	688	e890	500	470	464	2110	628	296	106	260
2	219	333	540	e870	497	468	444	2530	737	320	101	370
3	233	319	523	e850	479	468	423	2360	1680	263	103	203
4	232	309	652	e820	448	462	415	2010	1790	223	98	179
5	249	495	639	e810	451	457	e455	1590	1190	221	92	167
6	786	918	559	e790	479	468	e535	1280	860	233	89	116
7	1020	694	686	e780	514	480	e630	1100	681	216	85	107
8	918	585	572	e760	508	474	e750	988	524	204	83	102
9	784	521	720	e730	519	474	e880	899	468	153	86	93
10	560	606	e575	e690	634	480	e1050	835	419	411	86	90
11	490	1460	e390	e640	792	479	e1380	766	380	662	84	93
12	490	1330	451	e580	709	475	e1820	732	375	609	86	124
13	444	863	e500	e590	678	480	e2650	1130	366	454	80	87
14	399	696	430	e660	617	499	2870	846	337	425	78	68
15	361	1380	393	e700	569	516	2710	703	319	411	86	72
16	335	1090	e340	654	538	515	2610	654	287	367	66	71
17	334	812	e2600	623	531	495	2610	603	336	331	68	72
18	378	707	8810	576	517	483	2470	562	505	368	73	74
19	670	600	3210	558	501	473	2000	695	352	299	108	72
20	510	529	1840	568	501	466	1750	800	281	246	112	70
21	420	520	1260	535	501	484	2680	583	233	208	110	84
22	369	498	1140	502	494	559	5600	489	241	193	127	222
23	326	431	e1080	514	493	620	7490	466	245	170	158	183
24	325	377	e1060	514	489	583	7900	455	404	170	127	152
25	321	410	e1020	537	485	525	7770	413	501	154	105	161
26	313	415	e1000	514	490	449	4270	383	320	155	91	809
27	306	924	e980	493	490	429	3450	372	252	156	86	390
28	303	1160	e970	478	480	441	2960	466	250	118	96	239
29	294	917	e950	439	---	409	2350	1010	245	112	149	185
30	296	801	e940	428	---	426	2100	721	189	117	201	165
31	324	---	e930	438	---	456	---	604	---	129	164	---
TOTAL	13271	21040	36448	19531	14904	14963	75486	29155	15395	8394	3184	5080
MEAN	428	701	1176	630	532	483	2516	940	513	271	103	169
MAX	1020	1460	8810	890	792	620	7900	2530	1790	662	201	809
MIN	219	309	340	428	448	409	415	372	189	112	66	68
CFSM	.98	1.61	2.70	1.45	1.22	1.11	5.77	2.16	1.18	.62	.24	.39
IN.	1.13	1.80	3.11	1.67	1.27	1.28	6.44	2.49	1.31	.72	.27	.43

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

MEAN	526	705	608	499	428	936	2265	1342	639	403	339	350
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	103	98.8
(WY)	1948	1948	1948	1948	1980	1940	1995	1941	1988	1955	2001	1948

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	338387		256851			
ANNUAL MEAN	925		704		753	
HIGHEST ANNUAL MEAN					1153	1974
LOWEST ANNUAL MEAN					472	1965
HIGHEST DAILY MEAN	8810	Dec 18	8810	Dec 18	15400	Mar 18 1936
LOWEST DAILY MEAN	152	Jul 28	66	Aug 16	13	Sep 12 1948
ANNUAL SEVEN-DAY MINIMUM	186	Jul 22	71	Sep 14	66	Sep 3 1999
MAXIMUM PEAK FLOW			11400	Dec 18	18200	Jul 1 1973
MAXIMUM PEAK STAGE			16.36	Dec 18	23.49	Jul 1 1973
ANNUAL RUNOFF (CFSM)	2.12		1.61		1.73	
ANNUAL RUNOFF (INCHES)	28.87		21.91		23.46	
10 PERCENT EXCEEDS	2080		1220		1690	
50 PERCENT EXCEEDS	526		480		430	
90 PERCENT EXCEEDS	231		108		167	

e Estimated.

01137500 AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH

LOCATION (REVISED).--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, 3.0 mi east of US 302 and State Highway 142 intersection in Bethlehem, 3.4 mi downstream from Little River, 4.5 mi west of US 3 and 302 intersection in Twin Mountain, and at mile 35.0.
DRAINAGE AREA.--87.6 mi^2.
PERIOD OF RECORD.-- Discharge records: August 1939 to current year.
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 February 10-12 and March 22-24, 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)
Dec. 18	0015	* 7,440	* 10.09	Apr. 24	1815	3,780	7.46

Minimum discharge, 18 ft^3/s, August 26, 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	98	133	e135	e64	59	65	687	203	65	33	51
2	51	100	111	e127	e62	59	66	1230	366	64	30	44
3	50	110	e83	e122	e61	59	66	1480	730	55	29	31
4	50	129	99	119	61	58	69	1440	518	52	29	26
5	53	232	108	116	64	58	86	910	542	56	44	26
6	102	218	e80	108	62	60	e94	527	422	52	33	24
7	98	192	81	103	71	57	e104	423	310	48	29	24
8	95	219	e64	99	66	55	e122	417	239	48	28	23
9	102	226	e68	94	e62	56	e125	457	199	47	27	23
10	84	335	e72	e84	e110	56	e160	492	173	43	27	22
11	78	705	e96	e86	e230	55	e190	493	152	46	27	39
12	88	540	e146	e83	e150	54	e265	558	142	57	25	29
13	84	309	e160	e82	e115	53	e490	598	132	61	24	25
14	83	253	e114	e86	96	56	472	350	118	64	23	24
15	78	365	98	84	93	56	334	277	107	83	22	24
16	73	255	e86	86	86	57	318	250	97	72	21	23
17	75	215	e1800	82	81	56	320	236	137	61	21	23
18	90	189	2760	73	75	58	301	225	145	64	24	23
19	134	161	620	76	74	57	235	241	103	53	23	22
20	102	145	395	76	72	59	231	231	88	47	21	22
21	88	136	275	74	72	68	408	210	80	44	24	56
22	79	126	e235	72	66	e72	1690	202	75	41	25	50
23	74	112	204	66	69	e98	1800	196	72	40	24	34
24	72	86	e155	74	65	e176	2770	180	80	38	22	29
25	69	e94	e140	69	62	92	1460	164	75	37	20	155
26	67	e132	128	62	64	e74	757	150	66	38	19	238
27	66	e235	146	e64	61	e70	661	153	60	38	20	89
28	64	240	154	64	60	67	610	190	55	35	24	66
29	65	176	156	60	---	e64	467	227	53	34	28	61
30	68	150	e150	e60	---	64	423	201	56	34	25	53
31	87	---	e150	e65	---	65	---	194	---	34	22	---
TOTAL	2422	6483	9067	2651	2274	2048	15159	13589	5595	1551	793	1379
MEAN	78.1	216	292	85.5	81.2	66.1	505	438	186	50.0	25.6	46.0
MAX	134	705	2760	135	230	176	2770	1480	730	83	44	238
MIN	50	86	64	60	60	53	65	150	53	34	19	22
CFSM	.89	2.47	3.34	.98	.93	.75	5.77	5.00	2.13	.57	.29	.52
IN.	1.03	2.75	3.85	1.13	.97	.87	6.44	5.77	2.38	.66	.34	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	157	220	168	121	107	190	512	511	203	106	92.8	99.6
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	25.6	32.5
(WY)	1948	1979	1948	1948	1980	1940	1995	1993	1953	1991	2001	1948

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	79741		63011			
ANNUAL MEAN	218		173		208	
HIGHEST ANNUAL MEAN					323	1996
LOWEST ANNUAL MEAN					131	1995
HIGHEST DAILY MEAN	3060	Apr 9	2770	Apr 24	6300	Mar 27 1953
LOWEST DAILY MEAN	42	Sep 11	19	Aug 26	19	Aug 26 2001
ANNUAL SEVEN-DAY MINIMUM	46	Sep 8	22	Aug 21	22	Aug 21 2001
MAXIMUM PEAK FLOW			7440	Dec 18	a 11300	Nov 12 1995
MAXIMUM PEAK STAGE			10.09	Dec 18	b 12.34	Nov 12 1995
INSTANTANEOUS LOW FLOW			c 18	Aug 26	16	Nov 14 1952
ANNUAL RUNOFF (CFSM)	2.49		1.97		2.37	
ANNUAL RUNOFF (INCHES)	33.86		26.76		32.18	
10 PERCENT EXCEEDS	448		365		460	
50 PERCENT EXCEEDS	102		80		107	
90 PERCENT EXCEEDS	56		27		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.
c Also occurred on August 27.
e Estimated.

01138500 CONNECTICUT RIVER AT WELLS RIVER, VT

LOCATION.--Lat 44°09'13", long 72°02'34", Orange County, Hydrologic Unit 01080101, on right bank, at village of Wells River, 200 ft downstream from bridge on US 302, 400 ft upstream from Wells River, 1,200 ft downstream from Ammonoosuc River, and at mile 266.0.
DRAINAGE AREA.--2,644 mi^2.
PERIOD OF RECORD.--Discharge records: October 1949 to current year. October and November 1949 monthly discharge only, published in WSP 1301.
PERIOD OF DAILY WATER-QUALITY RECORD.--Water years 1980 to 1982.
WATER TEMPERATURE: Water years 1980 to 1982.
SPECIFIC CONDUCTANCE: Water years 1980 to 1982.
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 power plants, by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, and other reservoirs. These reservoirs have a combined capacity of about 14.8 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, 39,600 ft^3/s, April 26, gage height, 12.60 ft; minimum daily discharge, 509 ft^3/s, September 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	2210	4660	3440	3200	2690	1500	15300	5420	1780	885	927
2	1450	2260	4690	5670	4560	1850	3120	16000	5470	842	600	932
3	1600	2240	4330	5230	3540	1030	1150	16700	8890	945	1360	1560
4	2630	1160	4780	5620	2560	1510	1200	16300	12100	1960	806	1310
5	1480	1970	3770	4090	2170	3410	2210	13800	11500	3660	818	1400
6	1120	3920	2450	3910	3050	2290	3540	10700	10100	1810	2540	2810
7	2060	4330	3230	2990	3180	2900	4140	8140	8030	1180	2480	2590
8	1340	4260	2380	4380	3500	3200	5050	6530	6810	992	3530	1290
9	2590	5200	2560	2280	4240	2730	6180	6070	5530	3490	4280	1670
10	3230	6450	1550	4540	2500	1550	7050	6340	2210	4300	2990	2160
11	5060	4900	1690	5320	3350	1840	7340	5950	4160	3620	592	1560
12	2950	6800	2150	4500	3590	3320	9220	5420	1770	1250	609	829
13	956	7710	3110	3360	4530	5110	14200	6200	4570	1760	971	907
14	1520	6900	4170	2990	5720	2490	17800	6390	4140	2620	659	509
15	1630	6400	1990	4820	3990	1330	15000	5650	4230	1820	822	600
16	3930	7100	2390	4100	4370	1070	17000	4370	3460	4730	699	628
17	3910	6720	6340	2900	2900	1190	16000	2590	2210	6780	1720	662
18	2710	5860	26400	2790	3100	2180	15200	5420	2620	3120	1030	666
19	2750	3690	15800	2290	3690	4050	13700	3990	3900	3630	584	658
20	2770	5480	16100	1810	3560	2900	13200	4900	3100	3670	595	682
21	2090	5980	13200	2640	3590	1800	14600	4730	2980	1090	692	767
22	1540	6610	9340	2950	5190	2520	21900	6100	1410	2640	1770	852
23	2450	2440	6470	3610	3870	4940	24100	4680	1060	4330	3110	804
24	2560	2540	3850	4190	2650	4250	25500	3800	842	4690	1070	758
25	1870	1590	3990	2620	2120	4830	36600	2950	2540	5540	658	1890
26	4740	1740	4970	3960	2660	5000	37700	1210	2580	1040	637	1970
27	1190	4020	4490	4790	3320	4080	30000	1120	804	1230	669	1190
28	1220	4180	2910	3010	3490	2260	22500	1390	730	574	664	1160
29	2450	2650	1690	2350	---	3540	15900	5220	644	655	643	826
30	3600	3880	4620	1580	---	3320	14700	5820	1690	871	1110	789
31	3740	---	3340	1110	---	1340	---	5690	---	600	721	---
TOTAL	74216	131190	173410	109840	98190	86520	417300	209470	125500	77219	40314	35356
MEAN	2394	4373	5594	3543	3507	2791	13910	6757	4183	2491	1300	1179
MAX	5060	7710	26400	5670	5720	5110	37700	16700	12100	6780	4280	2810
MIN	956	1160	1550	1110	2120	1030	1150	1120	644	574	584	509

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2001, BY WATER YEAR (WY)

MEAN	3747	4818	4682	3818	3825	5898	12670	8395	4371	2851	2509	2528
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	2095104		1578525			
ANNUAL MEAN	5724		4325		5014	
HIGHEST ANNUAL MEAN					7355	1996
LOWEST ANNUAL MEAN					3211	1965
HIGHEST DAILY MEAN	32300	May 11	37700	Apr 26	50600	Mar 27 1953
LOWEST DAILY MEAN	788	Sep 30	509	Sep 14	152	Aug 28 1960
ANNUAL SEVEN-DAY MINIMUM	1240	Jun 29	629	Sep 14	522	Aug 1 1955
MAXIMUM PEAK FLOW			39600	Apr 26	57100	Jul 1 1973
MAXIMUM PEAK STAGE			12.60	Apr 26	a 17.35	Jul 1 1973
10 PERCENT EXCEEDS	13200		7840		10400	
50 PERCENT EXCEEDS	3810		2990		3600	
90 PERCENT EXCEEDS	1190		837		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, 1.3 mi southeast of I-91 and US 302 intersection in Four Corners (revised), and 1.5 mi upstream from mouth.
DRAINAGE AREA.--98.4 mi^2.
PERIOD OF RECORD.--Discharge records: August 1940 to current year.
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 power plant 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)
Dec. 18	0015	* 3,010	* 6.87	Apr. 24	2300	2,190	5.93

Minimum daily discharge, 7.9 ft^3/s, September 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	30	85	e115	e56	e35	e74	414	88	76	14	22
2	24	31	69	e113	e47	e31	e70	418	153	62	15	26
3	24	30	61	e110	e40	e34	e69	386	312	48	13	18
4	24	29	58	e108	e35	e38	e71	337	358	41	12	15
5	26	54	57	e105	e33	e41	e81	294	217	172	12	13
6	91	92	56	e103	e35	e44	e99	250	157	75	12	13
7	111	69	e46	e101	e41	e47	e115	220	120	53	11	11
8	101	58	e45	e97	e45	e47	e130	202	97	46	11	9.5
9	85	52	e44	e93	e51	e50	e175	189	80	46	11	9.5
10	68	58	e47	e82	e65	e47	e220	176	70	44	10	10
11	57	119	e50	e73	e75	e47	e270	162	64	43	16	12
12	50	107	66	e68	e63	e48	e340	149	79	45	14	11
13	45	81	75	e55	e60	e48	726	144	78	44	12	10
14	41	70	70	e54	e62	e50	812	127	68	41	11	9.2
15	39	194	61	e54	e57	e52	710	122	59	39	10	8.8
16	38	138	54	e52	e54	e52	655	121	54	37	9.5	8.5
17	48	116	755	e51	e50	e53	624	115	59	44	9.8	8.4
18	53	97	1540	e49	e42	e54	566	109	69	53	12	8.1
19	75	78	511	e47	e35	e56	476	109	55	42	13	8.2
20	56	67	328	e46	e43	e58	463	91	48	37	11	7.9
21	46	64	222	e44	e56	e64	683	79	45	32	22	20
22	42	62	193	e42	e39	e68	1400	76	43	30	25	22
23	37	53	e170	e40	e33	e89	1670	76	43	28	17	14
24	35	43	e158	e38	e32	e83	1790	81	57	26	13	10
25	34	46	e149	e37	e33	e77	1520	79	56	24	10	31
26	32	52	e142	e35	e48	e75	920	73	46	23	8.8	81
27	32	122	e138	e33	e42	e73	712	73	42	22	9.2	40
28	31	134	e130	e34	e38	e70	588	97	38	19	9.6	29
29	31	108	e127	e36	---	e67	468	149	34	18	10	25
30	31	95	e125	e40	---	e68	417	109	39	17	10	21
31	31	---	e120	e45	---	e79	---	100	---	15	10	---
TOTAL	1462	2349	5752	2000	1310	1745	16914	5127	2728	1342	383.9	532.1
MEAN	47.2	78.3	186	64.5	46.8	56.3	564	165	90.9	43.3	12.4	17.7
MAX	111	194	1540	115	75	89	1790	418	358	172	25	81
MIN	24	29	44	33	32	31	69	73	34	15	8.8	7.9
CFSM	.48	.80	1.89	.66	.48	.57	5.73	1.68	.92	.44	.13	.18
IN.	.55	.89	2.17	.76	.50	.66	6.39	1.94	1.03	.51	.15	.20

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

MEAN	96.1	130	121	97.4	94.6	188	453	255	132	77.3	63.9	59.5
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	12.4	17.7
(WY)	1964	1971	1948	1948	1980	1941	1995	1965	1995	1965	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1940 - 2001	
ANNUAL TOTAL	60386		41645.0			
ANNUAL MEAN	165		114		147	
HIGHEST ANNUAL MEAN					239	1990
LOWEST ANNUAL MEAN					66.5	1965
HIGHEST DAILY MEAN	1540	Dec 18	1790	Apr 24	2960	Jul 1 1973
LOWEST DAILY MEAN	20	Sep 12	7.9	Sep 20	7.9	Sep 20 2001
ANNUAL SEVEN-DAY MINIMUM	22	Sep 7	8.4	Sep 14	8.4	Sep 14 2001
MAXIMUM PEAK FLOW			a 3010	Dec 18	a 5970	Jun 30 1973
MAXIMUM PEAK STAGE			6.87	Dec 18	9.82	Jun 30 1973
ANNUAL RUNOFF (CFSM)	1.68		1.16		1.50	
ANNUAL RUNOFF (INCHES)	22.83		15.74		20.33	
10 PERCENT EXCEEDS	416		208		340	
50 PERCENT EXCEEDS	74		53		82	
90 PERCENT EXCEEDS	30		13		29	

a 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 (REVISED).--Lat 44°05'34", long 72°20'10", Orange County, Hydrologic Unit 01080103, on left bank, 0.3 mi east of East Orange Road and Fish Pond Road intersection in East Orange, 1.7 mi upstream from mouth, 2.0 mi southwest of West Topsham, 5.0 mi southwest of Orange, and 11.0 mi southeast of Barre.
DRAINAGE AREA.--8.95 mi^2.
PERIOD OF RECORD.--Discharge records: June 1958 to current year.
REVISED RECORDS.--WDR MA-NH-RI-VT-72-1: 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)
Dec. 17	----	* 220	Ice Jam	Apr. 24	1500	181	3.79
Dec. 24	0800	Ice Jam	* 4.63				

Minimum discharge, 0.80 ft^3/s, September 18, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	3.2	4.0	e12	e4.2	e3.2	3.5	61	14	8.3	1.6	4.8
2	1.4	3.0	5.4	e11	e4.0	e3.2	3.6	57	31	5.9	1.4	2.5
3	1.4	2.9	4.4	e10	e4.4	e3.2	3.6	54	38	4.5	2.3	1.8
4	1.4	2.9	e4.4	e10	e4.2	3.4	4.1	50	28	7.7	2.1	1.5
5	2.1	5.6	e4.2	e9.8	e4.0	3.4	e4.8	47	18	13	1.5	1.6
6	28	4.8	e4.2	e9.2	e4.1	3.4	e5.2	46	15	6.0	1.3	1.3
7	13	4.0	e4.6	e8.8	e4.2	3.3	e5.7	40	13	4.8	1.2	1.1
8	14	3.6	e5.0	e8.2	e3.8	3.2	e6.2	37	12	5.1	1.2	1.1
9	8.8	3.2	e4.1	e7.8	e4.1	3.2	e7.5	34	11	5.1	1.1	.98
10	7.5	7.4	e4.3	e7.3	e4.8	3.2	e9.2	31	9.9	10	1.2	1.0
11	7.8	7.3	e4.5	e6.4	e8.0	3.2	e11	29	10	9.2	1.3	1.2
12	8.1	4.8	e4.3	e5.8	e5.4	3.2	e19	28	15	6.4	1.1	1.0
13	8.3	4.0	e4.1	e5.3	e4.9	3.3	e23	27	11	5.4	1.1	.94
14	7.2	7.1	e4.1	e5.1	e4.5	3.2	19	24	9.3	5.7	1.0	.94
15	6.6	9.7	e5.4	e5.0	e4.2	3.4	18	23	8.3	4.8	.91	.90
16	10	5.1	e7.0	e5.0	e3.8	3.4	19	22	7.3	4.1	.89	.87
17	9.6	4.5	e128	e5.0	e3.8	3.4	19	21	11	7.5	1.2	.85
18	18	4.1	e32	e4.9	e3.7	3.4	18	20	8.6	4.9	1.4	.83
19	13	3.7	e24	e4.8	e3.6	3.4	17	20	6.8	4.0	1.1	.86
20	9.1	4.0	e22	e4.7	e3.8	4.1	22	18	5.9	3.4	1.3	1.0
21	e8.0	3.7	e19	e4.6	e4.5	4.6	38	17	5.5	3.1	4.4	6.3
22	e7.0	3.4	e18	e4.4	e4.0	4.6	78	17	5.8	2.8	2.2	2.8
23	e6.0	4.2	e16	e4.2	e3.7	4.1	69	16	6.0	2.6	1.5	2.1
24	e4.7	4.5	e15	e4.2	e3.6	3.9	100	15	9.3	2.5	1.2	1.9
25	e4.0	5.4	e14	e4.4	e3.8	3.7	84	13	6.5	2.2	1.1	23
26	e3.4	11	e14	e4.3	e3.5	e3.7	80	13	5.2	2.8	.98	6.6
27	2.6	15	e13	e4.2	e3.3	e3.5	76	16	4.5	2.4	1.4	2.7
28	2.6	9.1	e13	e4.2	e3.2	3.5	68	20	3.8	2.2	1.4	2.8
29	2.7	5.2	e12	e3.9	---	4.3	63	18	3.7	1.9	1.4	2.7
30	2.8	4.6	e12	e4.0	---	3.9	61	16	8.1	1.8	1.1	2.3
31	3.0	---	e12	e4.3	---	3.9	---	18	---	1.6	1.1	---
TOTAL	223.5	161.0	438.0	192.8	117.1	110.4	955.4	868	341.5	151.7	43.98	80.27
MEAN	7.21	5.37	14.1	6.22	4.18	3.56	31.8	28.0	11.4	4.89	1.42	2.68
MAX	28	15	128	12	8.0	4.6	100	61	38	13	4.4	23
MIN	1.4	2.9	4.0	3.9	3.2	3.2	3.5	13	3.7	1.6	.89	.83
CFSM	.81	.60	1.58	.69	.47	.40	3.56	3.13	1.27	.55	.16	.30
IN.	.93	.67	1.82	.80	.49	.46	3.97	3.61	1.42	.63	.18	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	9.97	13.7	13.3	10.2	9.38	17.5	50.0	34.1	13.8	7.29	5.59	5.20
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	3.56	16.3	11.4	4.87	1.63	1.15	.40
(WY)	1964	1979	1964	1971	1964	2001	1995	1995	1995	1963	1970	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	5915.9		3683.65			
ANNUAL MEAN	16.2		10.1		15.9	
HIGHEST ANNUAL MEAN					29.1	1976
LOWEST ANNUAL MEAN					6.71	1965
HIGHEST DAILY MEAN	128	Dec 17	e 128	Dec 17	260	May 4 1971
LOWEST DAILY MEAN	1.4	Sep 23	.83	Sep 18	.20	Sep 3 1963
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 27	.88	Sep 13	.21	Sep 6 1963
MAXIMUM PEAK FLOW			e 220	Dec 17	ab 800	Jul 23 1990
MAXIMUM PEAK STAGE			c 4.63	Dec 24	c 6.35	Jan 22 1959
INSTANTANEOUS LOW FLOW			d .80	Sep 18	f .10	Sep 9 1963
ANNUAL RUNOFF (CFSM)	1.81		1.13		1.77	
ANNUAL RUNOFF (INCHES)	24.59		15.31		24.07	
10 PERCENT EXCEEDS	44		22		39	
50 PERCENT EXCEEDS	9.1		4.6		8.5	
90 PERCENT EXCEEDS	2.6		1.4		2.3	

a From rating curve extended above 160 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks.
c Ice Jam.
d Also occurred on September 20.
e Estimated.
f Also occurred on September 19, 1963.

01142500 AYERS BROOK AT RANDOLPH, VT

LOCATION (REVISED).--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, 0.7 mi upstream from mouth, and 0.9 mi northeast of Town Hall in Randolph.
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-72-1: 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)
Dec. 17	1900	* 1,200	* 7.38	Apr. 22	1944	1,070	7.05
Apr. 13	1814	518	5.39				

Minimum discharge, 1.2 ft^3/s, August 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	13	40	e35	e23	e18	26	137	24	28	4.3	e1.9
2	6.7	13	35	e34	e20	e17	26	119	38	18	3.7	e2.7
3	6.7	13	32	e33	e17	e17	26	103	60	13	3.9	e2.6
4	6.5	12	30	e31	e16	e16	29	91	77	12	5.0	e2.7
5	7.5	15	30	e30	e17	e16	37	80	43	15	3.9	e2.3
6	44	18	27	e29	e18	e16	42	69	34	11	3.4	2.2
7	27	16	24	e28	e18	e17	45	64	29	9.6	3.2	2.2
8	20	15	18	e27	e19	e16	58	59	25	10	3.5	2.2
9	16	14	22	e27	e20	e17	68	54	22	10	3.3	2.2
10	14	30	20	e26	e31	e16	117	50	21	14	3.4	e2.3
11	13	37	24	e25	e25	e16	137	46	20	22	3.2	e2.5
12	12	27	34	e24	e23	e16	207	44	24	14	2.9	e2.2
13	11	23	28	e24	e25	e16	349	43	21	12	2.9	e2.1
14	10	25	24	e24	e24	e17	360	39	18	12	2.9	e2.2
15	9.8	65	25	e23	e23	e17	327	37	16	11	2.6	e2.1
16	18	39	24	e23	e22	e19	316	36	15	9.4	2.3	e2.1
17	23	34	482	e22	e21	e19	301	34	19	12	e2.4	e2.0
18	34	30	242	e21	e19	e19	274	33	17	11	e2.9	e2.0
19	33	28	e170	e20	e20	e19	236	32	14	8.6	e2.6	e2.1
20	23	26	e120	e20	e21	e20	257	30	12	7.6	e3.1	e3.0
21	20	26	e100	e19	e20	e23	350	28	11	6.8	e3.3	e7.7
22	17	25	e85	e19	e19	e26	658	26	11	6.4	e2.9	e6.8
23	15	22	e72	e18	e19	e29	596	26	11	5.8	e2.6	e6.0
24	15	19	e64	e18	e18	e28	551	26	14	5.3	e2.3	e5.5
25	14	19	e57	e17	e18	28	373	24	12	5.2	e2.1	31
26	14	31	e53	e17	e19	27	273	23	10	5.8	e1.9	21
27	14	72	e48	e18	e18	27	236	40	9.3	5.3	e2.2	8.6
28	13	56	e45	e17	e17	26	200	40	8.3	4.6	e1.6	5.9
29	12	48	e43	e17	---	25	167	38	7.9	4.3	1.6	5.0
30	13	44	e39	e17	---	25	150	31	20	4.1	1.5	4.0
31	14	---	e37	e19	---	29	---	29	---	3.9	1.3	---
TOTAL	503.0	855	2094	722	570	637	6792	1531	663.5	317.7	88.7	147.1
MEAN	16.2	28.5	67.5	23.3	20.4	20.5	226	49.4	22.1	10.2	2.86	4.90
MAX	44	72	482	35	31	29	658	137	77	28	5.0	31
MIN	6.5	12	18	17	16	16	26	23	7.9	3.9	1.3	1.9
CFSM	.53	.93	2.21	.76	.67	.67	7.42	1.62	.73	.34	.09	.16
IN.	.61	1.04	2.55	.88	.70	.78	8.28	1.87	.81	.39	.11	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	27.0	39.4	41.9	35.1	33.6	75.4	163	77.9	38.7	20.4	15.3	15.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	21031.5		14921.0			
ANNUAL MEAN	57.5		40.9		48.5	
HIGHEST ANNUAL MEAN					78.4	1973
LOWEST ANNUAL MEAN					16.7	1965
HIGHEST DAILY MEAN	538	Apr 4	658	Apr 22	1550	Jun 27 1998
LOWEST DAILY MEAN	6.5	Oct 4	1.3	Aug 31	.80	Aug 2 1965
ANNUAL SEVEN-DAY MINIMUM	6.9	Sep 29	1.7	Aug 26	.97	Jul 27 1965
MAXIMUM PEAK FLOW			1200	Dec 17	3480	Jun 27 1998
MAXIMUM PEAK STAGE			7.38	Dec 17	11.93	Jun 27 1998
INSTANTANEOUS LOW FLOW			1.2	Aug 31	.60	Jul 27 1965
ANNUAL RUNOFF (CFSM)	1.88		1.34		1.59	
ANNUAL RUNOFF (INCHES)	25.65		18.20		21.58	
10 PERCENT EXCEEDS	154		68		110	
50 PERCENT EXCEEDS	30		19		27	
90 PERCENT EXCEEDS	11		2.9		6.8	

e Estimated.

01144000 WHITE RIVER AT WEST HARTFORD, VT

LOCATION (REVISED).--Lat 43°42'51", long 72°25'07", Windsor County, Hydrologic Unit 01080105, on left bank, 700 ft upstream from Quechee West Hartford Road bridge at West Hartford, 0.2 mi south of the State Highway 14 and Tigertown Road intersection in West Hartford, 5.1 mi south of State Highways 14 and 132 intersection in Sharon, 5.5 mi west of Post Office in Norwich, 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.
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 the period of August 1-7, which are fair, and those for estimated daily discharges, which are poor. Some diurnal fluctuation at low flow during period 1934-50 caused by power plant 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)
Dec. 18	0030	* 28,800	* 16.04	Apr. 22	2400	26,200	15.37

Minimum discharge, 65 ft^3/s, September 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	301	1000	e950	e700	e450	e720	3330	1020	986	140	108
2	164	293	825	872	e620	e445	e630	3570	1290	968	147	125
3	163	287	622	820	e550	e440	e600	3210	2020	497	e145	114
4	161	281	e560	804	e470	e435	e590	2740	2710	396	155	100
5	156	301	e600	768	e560	e430	e680	2340	1760	408	e150	101
6	445	358	e530	e770	e595	e430	e730	1930	1300	412	e130	132
7	697	345	e460	e750	e570	e460	936	1670	1020	337	e125	105
8	416	320	e410	722	e520	e475	1230	1490	848	317	117	92
9	380	311	e370	710	e530	e470	1270	1340	720	321	112	84
10	333	387	e370	623	e850	e460	2220	1230	631	310	109	80
11	297	896	e435	544	e1650	e440	3290	1130	592	383	108	92
12	282	696	e600	e550	e1100	e430	4720	1040	840	395	109	99
13	278	559	e530	e540	e870	e430	7870	1010	726	377	103	86
14	263	513	e500	e680	e760	e445	8130	920	595	338	97	80
15	243	1250	e490	e640	e680	e440	6570	851	514	313	92	76
16	259	1060	485	e580	e630	e475	6220	803	459	289	88	73
17	498	815	8280	e560	e600	e485	5870	765	460	275	88	72
18	555	721	14600	e545	e540	e490	5470	721	627	317	92	70
19	1090	630	3990	e540	e560	e480	4560	702	468	274	99	68
20	689	575	2760	e540	e530	e480	4370	657	400	241	99	70
21	526	548	1940	e530	e520	e600	6370	609	361	221	179	133
22	447	521	1700	e520	e480	e680	15600	572	344	205	154	166
23	397	456	1550	e510	e500	e950	17000	580	343	189	114	133
24	366	369	e1150	e500	e475	989	18000	598	352	179	101	109
25	352	359	e1300	e490	e470	864	11600	551	378	165	90	361
26	334	466	e900	e480	e490	e740	6830	514	331	178	84	771
27	324	1350	e1100	e480	e470	e670	5740	656	306	197	84	335
28	314	1810	e1050	e460	e460	e645	4990	1040	269	174	90	232
29	296	1410	e1000	e450	---	e620	3910	1270	244	155	103	197
30	296	1160	e950	e450	---	e600	3410	932	361	151	99	174
31	299	---	e1000	e590	---	e640	---	974	---	142	91	---
TOTAL	11475	19348	52057	18968	17750	17088	160126	39745	22289	10110	3494	4438
MEAN	370	645	1679	612	634	551	5338	1282	743	326	113	148
MAX	1090	1810	14600	950	1650	989	18000	3570	2710	986	179	771
MIN	155	281	370	450	460	430	590	514	244	142	84	68
CFSM	.54	.93	2.43	.89	.92	.80	7.74	1.86	1.08	.47	.16	.21
IN.	.62	1.04	2.81	1.02	.96	.92	8.63	2.14	1.20	.55	.19	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2001, BY WATER YEAR (WY)

MEAN	667	1016	1012	860	802	1896	3896	1976	897	496	372	401
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 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1915 - 2001**	
ANNUAL TOTAL	520063		376888			
ANNUAL MEAN	1421		1033		1189	
HIGHEST ANNUAL MEAN					1910	1976
LOWEST ANNUAL MEAN					494	1965
HIGHEST DAILY MEAN	14600	Dec 18	18000	Apr 24	31300	Mar 18 1936
LOWEST DAILY MEAN	155	Oct 1	68	Sep 19	a 54	Sep 27 1963
ANNUAL SEVEN-DAY MINIMUM	162	Sep 29	73	Sep 14	59	Sep 22 1963
MAXIMUM PEAK FLOW			28800	Dec 18	b 120000	Nov 4 1927
MAXIMUM PEAK STAGE			16.04	Dec 18	c 29.30	Nov 4 1927
INSTANTANEOUS LOW FLOW			65	Sep 20	d 35	Aug 4 1918
ANNUAL RUNOFF (CFSM)	2.06		1.50		1.72	
ANNUAL RUNOFF (INCHES)	28.04		20.32		23.41	
10 PERCENT EXCEEDS	3340		1720		2700	
50 PERCENT EXCEEDS	716		498		630	
90 PERCENT EXCEEDS	280		109		189	

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 (REVISED).--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, 0.2 mi northwest of US 4 and State Highway 12A intersection in West Lebanon, and at mile 215.0.

DRAINAGE AREA.--4,092 mi^2.

PERIOD OF RECORD.--Discharge records: November 1911 to December 1911, March 1912 to December 1913, March 1914 to December 1914, February 1915 to December 1915, April 1916 to December 1916, March 1917 to November 1917, April 1918 to December 1919, April 1920 to January 1921, March 1921 to November 1976, November 1978 to current year. Published as "at White River Junction, VT" prior to November 1978.

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 poor. Flow regulated by power plants 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, 59,100 ft^3/s, April 23, gage height, 20.95 ft; minimum daily discharge, 734 ft^3/s, August 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1320	1970	5860	e5470	3580	4170	2590	21000	6500	2430	771	1130
2	1360	2200	5270	e5780	3780	3720	4050	21500	6600	2430	818	1390
3	2090	2080	4830	e6550	4520	1480	1960	22500	12500	2180	1470	1260
4	2930	1710	5870	e7100	e2950	1750	2290	21400	15900	1950	784	1570
5	1010	1560	4490	e5150	2890	3310	3560	19300	15600	4260	783	1570
6	1260	3610	e2930	e5000	e4400	3110	5180	15000	13600	2580	1890	2330
7	1600	4940	e3260	4060	e3800	3330	4570	12300	9960	1380	2880	1610
8	2320	4290	e3210	5180	e5250	4330	6770	6980	6460	1180	2950	1280
9	2360	7030	e2930	3530	5780	3860	8400	8230	6790	4870	4500	1150
10	2790	7290	e1420	e3800	3110	2300	11100	8080	4010	4360	1620	852
11	5590	4120	e2630	e6750	4750	2050	15100	8090	5590	3680	747	2660
12	4380	7280	3070	e6100	3990	4000	17500	7020	2910	2060	734	1310
13	3660	9960	e2590	e3150	5980	5690	27000	6900	5330	2250	1040	766
14	1940	6880	e3900	e3680	6020	2750	33400	7970	4360	2240	877	754
15	1070	7360	e3210	6730	e6350	2200	29800	7830	5180	1810	1420	747
16	3060	7470	e3070	3650	e5200	1450	27900	6950	3450	5580	1410	745
17	4230	7520	12500	3900	4190	2090	28600	3280	3630	6000	1520	743
18	3020	8620	43600	e4250	e3150	3880	26000	5810	3030	4910	1420	739
19	2920	5960	28800	2650	5240	4870	23500	5010	4190	2870	863	737
20	3100	6190	22400	2020	3570	3070	21300	5490	5910	3230	865	1820
21	3080	6610	17800	3160	e3250	2570	24300	6160	3880	2670	911	970
22	1870	5810	13700	3230	7170	3310	41800	6190	1200	2040	1620	833
23	3280	1700	8740	4910	5160	5300	51400	6900	1180	4160	2130	819
24	3170	e2650	4470	5720	2590	6750	51000	3900	1180	5410	872	788
25	2700	1250	e5050	3080	4110	6600	49500	2610	3500	5890	859	1480
26	5060	3300	e5300	4790	2760	6920	49600	2700	2050	2290	854	3120
27	2410	5800	6570	5170	3540	4030	48000	2220	1070	839	852	1540
28	1730	6820	3960	2950	4560	3270	40400	2680	1020	813	1140	1370
29	2240	4750	5360	4000	---	4570	29700	5650	1050	792	1130	1600
30	4390	6130	e5320	3000	---	5440	21400	6650	2170	781	1260	872
31	3690	---	3740	3700	---	2960	---	7100	---	779	860	---
TOTAL	85630	152860	245850	138210	121640	115130	707670	273400	159800	88714	41850	38555
MEAN	2762	5095	7931	4458	4344	3714	23590	8819	5327	2862	1350	1285
MAX	5590	9960	43600	7100	7170	6920	51400	22500	15900	6000	4500	3120
MIN	1010	1250	1420	2020	2590	1450	1960	2220	1020	779	734	737

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1977, 1979 - 2001, BY WATER YEAR (WY)

MEAN	4762	6774	6285	5130	4810	9203	20280	12980	6209	3763	3036	3209
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1912 - 1977, 1979 - 2001	
ANNUAL TOTAL	2874114		2169309			
ANNUAL MEAN	7853		5943		7147	
HIGHEST ANNUAL MEAN					10700	1928
LOWEST ANNUAL MEAN					4101	1965
HIGHEST DAILY MEAN	44000	Apr 5	51400	Apr 23	129000	Nov 4 1927
LOWEST DAILY MEAN	969	Sep 29	734	Aug 12	82	Aug 8 1965
ANNUAL SEVEN-DAY MINIMUM	1570	Sep 29	747	Sep 13	731	Aug 27 1934
MAXIMUM PEAK FLOW			59100	Apr 23	136000	Nov 4 1927
MAXIMUM PEAK STAGE			20.95	Apr 23	35.00	Nov 4 1927
10 PERCENT EXCEEDS	19000		12400		15900	
50 PERCENT EXCEEDS	4500		3650		4600	
90 PERCENT EXCEEDS	1700		1050		1670	

e Estimated.

01150500 MASCOMA RIVER AT MASCOMA, NH

LOCATION (REVISED).--Lat 43°38'55", long 72°10'55", Grafton County, Hydrologic Unit 01080104, on right bank, 100 ft upstream of Payne Road bridge, 100 ft downstream from outlet of Mascoma Lake, 0.2 mi south of US 4 and Payne Road intersection in Mascoma, 1.9 mi west of City Hall in Enfield, and 3.5 mi east of City Hall in Lebanon.
DRAINAGE AREA.--153 mi^2.
PERIOD OF RECORD.--Discharge records: August 1923 to present; August 1923 to January 1993, at site 900 ft downstream at 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 good. 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, 3,300 ft^3/s, April 24, gage height, 8.76 ft; minimum daily discharge, 20 ft^3/s, September 20-22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	127	138	133	74	74	93	539	98	51	39	33
2	36	126	135	131	76	72	92	575	185	57	39	33
3	36	125	134	128	77	71	94	578	627	67	39	33
4	36	124	133	124	77	69	97	557	1220	72	39	33
5	36	123	131	120	79	70	100	522	1100	82	39	33
6	35	104	129	117	90	82	104	480	479	95	39	33
7	35	86	126	113	86	81	406	294	350	101	38	32
8	36	85	103	109	84	78	460	185	323	97	38	32
9	36	84	79	106	85	78	305	146	273	84	38	32
10	36	84	78	102	88	81	241	130	217	78	38	32
11	138	85	77	98	90	79	365	140	194	76	38	32
12	214	86	77	94	96	113	509	146	382	75	37	31
13	210	86	78	91	99	164	823	160	310	59	36	31
14	208	87	78	87	100	206	1540	173	207	49	35	26
15	214	88	78	86	100	202	1830	172	142	49	35	21
16	220	90	77	84	99	195	1730	155	118	48	35	21
17	217	177	81	82	96	191	1590	139	152	48	34	21
18	216	259	353	81	93	189	1390	136	281	48	34	21
19	219	250	761	80	90	188	1200	130	257	48	34	21
20	221	239	807	79	87	160	995	125	200	48	34	20
21	220	152	714	77	85	135	946	119	171	47	34	20
22	216	85	505	77	83	138	1350	88	116	47	34	20
23	213	85	357	75	81	142	2750	70	96	46	34	21
24	209	85	299	72	79	144	3280	73	95	43	34	21
25	207	84	254	70	80	146	3170	73	93	40	34	21
26	203	84	221	69	79	149	2560	72	64	41	34	21
27	199	84	176	68	77	150	1750	75	46	40	33	21
28	194	85	144	67	76	150	1300	77	45	40	33	21
29	190	115	134	66	---	123	1090	84	45	40	33	21
30	156	138	132	67	---	91	702	95	47	40	33	21
31	128	---	135	71	---	92	---	98	---	40	33	---
TOTAL	4570	3512	6724	2824	2406	3903	32862	6406	7933	1796	1107	779
MEAN	147	117	217	91.1	85.9	126	1095	207	264	57.9	35.7	26.0
MAX	221	259	807	133	100	206	3280	578	1220	101	39	33
MIN	35	84	77	66	74	69	92	70	45	40	33	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2001, BY WATER YEAR (WY)

MEAN	142	186	192	158	165	315	644	344	180	115	93.3	91.2
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	26.0
(WY)	1964	1965	1979	1981	1980	1931	1995	1957	1999	1999	1985	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1923 - 2001	
ANNUAL TOTAL	86234		74822			
ANNUAL MEAN	236		205		219	
HIGHEST ANNUAL MEAN					359	1973
LOWEST ANNUAL MEAN					84.4	1965
HIGHEST DAILY MEAN	2180	Apr 10	3280	Apr 24	5090	Mar 19 1936
LOWEST DAILY MEAN	35	Oct 6	a 20	Sep 20	2.0	Feb 3 1929
ANNUAL SEVEN-DAY MINIMUM	36	Oct 1	21	Sep 16	16	Aug 24 1985
MAXIMUM PEAK FLOW			3300	Apr 24	b 5840	Mar 19 1936
MAXIMUM PEAK STAGE			8.76	Apr 24	9.08	Apr 20 1997
10 PERCENT EXCEEDS	539		372		472	
50 PERCENT EXCEEDS	134		88		124	
90 PERCENT EXCEEDS	40		34		47	

a Also occurred on September 21, 22.
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 (REVISED).--Lat 43°37'20", long 72°45'34", Rutland County, Hydrologic Unit 02010001, on right bank, 50 ft upstream from Mission Chapel Road bridge, 1.6 mi northwest of State Highway 100S and US 4E intersection in West Bridgewater, and 2.6 mi southeast of River Road and US 4 intersection in 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 and crest-stage gage. 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)
Dec. 17	Unknown	* 2,560	* 8.08	Apr. 22	1945	2,280	7.72
Apr. 13	2115	675	5.21				

Minimum discharge, 2.1 ft^3/s, September 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	14	55	e32	e18	e17	25	157	45	e110	7.1	7.7
2	8.9	13	42	e30	e17	e17	23	192	117	85	6.3	5.4
3	8.4	13	e37	e29	e17	e17	23	190	156	46	7.2	4.6
4	8.5	12	29	e28	e16	e16	24	165	171	35	7.0	4.8
5	8.9	15	28	e27	e16	e17	30	131	117	35	6.2	6.4
6	43	18	e25	e26	e16	e17	36	95	80	26	5.9	5.0
7	28	17	22	e25	e17	e18	37	75	59	21	5.6	4.5
8	19	18	20	e25	e17	e17	47	67	46	20	5.7	4.4
9	16	16	20	e24	e19	e16	58	63	38	20	e6.0	4.2
10	15	51	19	e24	e32	e17	110	61	33	19	e5.7	4.4
11	14	49	21	e22	e38	e16	145	57	34	18	e5.9	4.8
12	13	36	34	e21	e29	e16	233	58	e43	19	e5.5	4.2
13	13	30	e49	e20	e28	e17	436	52	71	19	5.0	4.2
14	12	40	e28	e20	e27	e17	375	42	51	23	4.4	4.5
15	11	89	e26	e20	e26	e17	238	38	40	19	3.9	3.9
16	16	54	e25	e20	e25	e18	210	36	34	16	3.5	3.7
17	25	41	e930	e19	e24	e18	188	33	35	17	4.4	3.6
18	49	36	646	e19	e22	e18	171	31	30	15	5.3	3.7
19	46	32	252	e18	e22	e18	142	30	24	13	4.1	3.9
20	28	28	e115	e17	e21	21	142	28	20	12	7.0	5.1
21	23	27	e85	e16	e20	25	230	26	19	11	20	22
22	19	25	e60	e16	e19	29	1140	29	19	10	5.7	8.9
23	17	21	e52	e16	e19	32	e820	34	18	9.3	4.5	6.4
24	17	18	e47	e15	e18	28	e940	34	19	8.8	4.2	5.7
25	16	18	e44	e16	e19	26	e500	28	17	8.5	3.8	49
26	15	30	e45	e15	e19	24	262	27	15	13	3.6	24
27	15	121	e39	e15	e18	e22	213	47	14	9.7	e4.5	12
28	14	143	e36	e15	e18	e22	191	52	13	8.3	e4.4	10
29	13	96	e34	e15	---	22	142	48	12	7.8	4.7	8.8
30	14	71	e33	e16	---	24	129	42	e30	7.5	4.3	7.8
31	14	---	e33	e18	---	26	---	55	---	7.1	4.4	---
TOTAL	568.5	1192	2931	639	597	625	7260	2023	1420	689.0	175.8	247.6
MEAN	18.3	39.7	94.5	20.6	21.3	20.2	242	65.3	47.3	22.2	5.67	8.25
MAX	49	143	930	32	38	32	1140	192	171	110	20	49
MIN	8.4	12	19	15	16	16	23	26	12	7.1	3.5	3.6
CFSM	.78	1.70	4.04	.88	.91	.86	10.3	2.79	2.02	.95	.24	.35
IN.	.90	1.89	4.66	1.02	.95	.99	11.54	3.22	2.26	1.10	.28	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	47.7	63.2	50.3	49.5	38.4	91.6	165	80.8	42.7	31.1	23.3	25.5
MAX	121	121	94.5	108	76.6	200	272	169	160	125	51.5	97.2
(WY)	1988	1989	2001	1998	1990	1998	2000	1996	1998	1996	1986	1987
MIN	14.2	25.4	21.2	19.4	14.5	20.2	45.7	34.7	13.7	6.77	5.67	6.19
(WY)	1998	1995	1998	1988	1987	2001	1995	1995	1988	1991	2001	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1985 - 2001	
ANNUAL TOTAL	30002.6		18367.9			
ANNUAL MEAN	82.0		50.3		59.0	
HIGHEST ANNUAL MEAN					83.2	2000
LOWEST ANNUAL MEAN					35.6	1995
HIGHEST DAILY MEAN	1120	Apr 4	1140	Apr 22	1460	Mar 29 1998
LOWEST DAILY MEAN	8.4	Oct 3	3.5	Aug 16	3.0	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 29	3.9	Sep 13	3.3	Jul 29 1991
MAXIMUM PEAK FLOW			a 2560	Dec 17	a 2560	Dec 17 2000
MAXIMUM PEAK STAGE			8.08	Dec 17	8.08	Dec 17 2000
INSTANTANEOUS LOW FLOW			2.1	Sep 9	2.1	Sep 9 2001
ANNUAL RUNOFF (CFSM)	3.50		2.15		2.52	
ANNUAL RUNOFF (INCHES)	47.70		29.20		34.28	
10 PERCENT EXCEEDS	206		110		125	
50 PERCENT EXCEEDS	35		20		31	
90 PERCENT EXCEEDS	13		5.7		10	

a From rating curve extended above 670 ft^3/s.
e Estimated.

01151500 OTTAUQUECHEE RIVER AT NORTH HARTLAND, VT

LOCATION (REVISED).--Lat 43°36'09", long 72°21'17", Windsor County, Hydrologic Unit 01080106, on left bank, 100 ft upstream from US 5 bridge, 0.3 mi downstream from North Hartland Dam, 0.7 mi north of Depot Road and US 5 intersection in North Hartland, 1.2 mi upstream from mouth, and 3.7 mi southwest of Courthouse in White River Junction.
DRAINAGE AREA.--221 mi^2.
PERIOD OF RECORD.--Discharge records: October 1930 to current year.
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 power plants upstream and by North Hartland Reservoir since March 1961; greater regulation by power plants 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, 4,680 ft^3/s, April 27, gage height, 7.91 ft; minimum daily discharge, 18 ft^3/s, September 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	128	332	362	323	e159	e220	2950	292	397	81	32
2	84	139	293	415	236	e148	225	2810	754	942	51	32
3	116	105	272	327	180	131	233	2590	1130	538	51	32
4	122	75	164	278	180	131	243	1830	1290	286	51	32
5	86	74	198	e184	180	e242	317	1200	786	398	50	32
6	295	149	236	e205	180	220	390	862	500	174	49	32
7	276	217	192	e210	201	166	391	557	444	201	49	32
8	134	191	130	279	204	180	393	477	356	202	47	32
9	102	149	109	287	191	161	544	463	283	186	36	32
10	102	207	109	e252	190	147	915	462	283	179	33	32
11	102	361	130	214	336	147	1460	438	368	179	33	32
12	96	327	140	198	358	194	1880	372	1340	145	33	31
13	88	263	141	171	329	166	2820	356	682	145	33	31
14	87	230	247	170	281	174	3380	313	425	145	32	32
15	86	530	394	173	259	196	3000	293	337	145	31	32
16	127	468	343	277	259	162	2720	281	288	145	31	31
17	250	358	363	258	175	137	2220	180	316	134	30	31
18	327	278	821	182	177	138	2240	312	324	144	30	31
19	467	278	2120	168	202	244	1830	383	237	120	30	18
20	256	278	2770	152	350	257	1800	339	192	102	40	18
21	168	248	2080	153	243	253	2480	272	187	101	43	60
22	168	235	1900	e250	177	287	2090	155	198	83	76	97
23	168	181	1010	186	178	340	762	140	195	97	50	96
24	168	128	576	190	181	302	857	140	187	67	39	54
25	167	64	561	178	180	254	2240	162	174	52	34	167
26	166	229	409	125	216	253	3850	177	142	103	32	373
27	119	617	349	e115	197	223	4440	335	129	123	32	132
28	100	659	405	e193	160	236	4160	361	128	97	32	87
29	98	529	321	214	---	232	3480	474	103	77	32	84
30	155	406	261	e191	---	e210	3130	341	119	47	32	41
31	151	---	265	187	---	e220	---	256	---	45	32	---
TOTAL	4873	8101	17641	6744	6323	6310	54710	20281	12189	5799	1255	1798
MEAN	157	270	569	218	226	204	1824	654	406	187	40.5	59.9
MAX	467	659	2770	415	358	340	4440	2950	1340	942	81	373
MIN	42	64	109	115	160	131	220	140	103	45	30	18

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

MEAN	218	339	343	301	283	628	1375	664	294	167	121	132
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	191177		146024			
ANNUAL MEAN	522		400		405	
HIGHEST ANNUAL MEAN					691	1976
LOWEST ANNUAL MEAN					173	1965
HIGHEST DAILY MEAN	3890	Apr 5	4440	Apr 27	13300	Mar 18 1936
LOWEST DAILY MEAN	42	Oct 1	a 18	Sep 19	3.8	Jul 3 1933
ANNUAL SEVEN-DAY MINIMUM	66	Sep 25	28	Sep 14	14	Sep 25 1967
MAXIMUM PEAK FLOW			4680	Apr 27	b 24400	Sep 21 1938
MAXIMUM PEAK STAGE			7.91	Apr 27	17.68	Sep 21 1938
10 PERCENT EXCEEDS	1240		800		931	
50 PERCENT EXCEEDS	296		191		207	
90 PERCENT EXCEEDS	107		34		56	

a Also occurred on September 20.
b From rating curve extended above 6,200 ft^3/s as explained above.
e Estimated.

01152500 SUGAR RIVER AT WEST CLAREMONT, NH

LOCATION (REVISED).--Lat 43°23'15", long 72°21'45", Sullivan County, Hydrologic Unit 01080104, on right bank, 0.2 mi downstream from Redwater Brook, 0.7 mi southeast of Clay Hill Road and Paddy Hollow Road intersection in West Claremont, 1.6 mi northwest of City Hall in 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.
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 Oct. 1-19, 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)
Dec. 17	Unknown	Ice Jam	* 6.98	Apr. 23	0215	* 5,830	6.85
Dec. 18	0215	5,370	6.54	Jun. 11	2345	3,260	5.05

Minimum daily discharge, 36 ft^3/s, September 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	146	298	e360	e360	e197	e350	1090	135	133	76	79
2	75	140	267	e340	e310	e195	312	1100	470	254	73	68
3	72	137	e220	e330	e280	e193	331	1010	2370	177	69	53
4	73	135	e205	e320	e260	e190	349	904	1920	151	91	53
5	71	141	e210	e310	e275	e190	394	809	1240	281	82	54
6	e155	152	e175	e300	e280	e195	464	707	849	272	75	52
7	e225	151	e160	e295	e270	e205	510	614	659	193	65	45
8	e180	139	e130	e285	e260	e205	640	432	540	171	56	40
9	156	133	e120	e280	e255	e200	748	374	460	165	51	40
10	136	164	e135	e270	e430	e200	1180	360	411	173	51	40
11	139	299	e185	e265	e350	e195	1540	331	723	253	50	38
12	145	292	e200	e260	e295	e190	1760	350	2420	201	49	37
13	141	245	e195	e255	e260	e190	2130	410	1100	182	53	36
14	136	234	e195	e250	e250	e195	2900	364	745	159	54	45
15	132	441	e190	e245	e255	e205	2700	313	587	140	52	45
16	132	439	e190	e240	e250	e215	2600	284	483	123	50	43
17	152	348	e1450	e235	e240	e220	2440	255	503	142	53	42
18	e215	300	3780	e230	e220	e220	2280	234	546	157	62	41
19	e350	271	1560	e220	e225	e215	1890	219	440	134	59	41
20	277	249	1090	e215	e220	e220	1710	195	387	115	55	46
21	229	230	755	e205	e215	e240	2110	178	349	104	60	116
22	202	218	634	e200	e205	e310	3890	179	342	95	55	113
23	183	198	521	e200	e200	e430	5060	186	268	89	51	91
24	171	e160	e470	e195	e200	470	4900	184	290	83	49	74
25	162	e155	e450	e190	e200	e430	4200	173	267	77	47	77
26	158	e180	e420	e188	e205	e385	2830	163	188	115	43	99
27	153	e270	e410	e185	e203	e355	2100	176	156	124	43	89
28	147	332	e390	e180	e200	330	1730	185	140	99	42	84
29	143	312	e375	e175	---	e310	1400	193	119	90	42	90
30	143	295	e365	e185	---	e290	1180	168	113	82	40	91
31	146	---	e385	e245	---	334	---	155	---	74	40	---
TOTAL	4876	6906	16130	7653	7173	7919	56628	12295	19220	4608	1738	1862
MEAN	157	230	520	247	256	255	1888	397	641	149	56.1	62.1
MAX	350	441	3780	360	430	470	5060	1100	2420	281	91	116
MIN	71	133	120	175	200	190	312	155	113	74	40	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

MEAN	217	347	363	323	330	679	1289	638	318	174	136	133
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1928 - 2001	
ANNUAL TOTAL	169173		147008			
ANNUAL MEAN	462		403		411	
HIGHEST ANNUAL MEAN					660	1976
LOWEST ANNUAL MEAN					139	1965
HIGHEST DAILY MEAN	3780	Dec 18	5060	Apr 23	11200	Mar 19 1936
LOWEST DAILY MEAN	55	Sep 12	36	Sep 13	14	Aug 26 1965
ANNUAL SEVEN-DAY MINIMUM	61	Sep 8	39	Sep 7	21	Aug 22 1965
MAXIMUM PEAK FLOW			5830	Apr 23	a 14000	Mar 19 1936
MAXIMUM PEAK STAGE			bc 6.98	Dec 17	b 11.80	Mar 12 1936
10 PERCENT EXCEEDS	1080		777		984	
50 PERCENT EXCEEDS	274		203		210	
90 PERCENT EXCEEDS	101		55		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 Parker Hill Road bridge, 0.2 mi downstream from Divoll Brook, 0.35 mi northeast of Rockingham, 2.2 mi upstream from mouth, 2.2 mi downstream of Station 01153500, "Williams River at Brockways Mills", 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 power plant 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)
Dec. 17	2000	5,090	8.10	Apr. 22	1815	* 5,710	* 8.42
Apr. 13	1900	2,600	6.57	Jun. 11	2230	4,550	7.82

Minimum discharge, 10 ft^3/s, August 30, 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	65	135	e160	e160	e82	130	438	140	93	27	27
2	35	62	112	e150	e130	e81	122	405	736	127	25	23
3	35	60	e103	e145	e110	e80	124	336	1360	73	25	16
4	33	59	e100	e140	e100	e78	149	280	789	75	32	16
5	34	65	e102	e135	e105	e78	199	235	416	261	27	25
6	287	68	e93	e130	e105	e80	236	199	288	115	25	21
7	155	63	e85	e130	e103	e86	262	178	223	80	22	17
8	94	62	e80	e125	e97	e86	402	160	181	92	20	15
9	73	60	e78	e125	e96	e84	525	147	148	89	18	14
10	66	169	e76	e120	e225	e82	991	135	127	69	18	14
11	61	220	e83	e115	e190	e81	1050	121	712	62	19	17
12	56	145	e115	e115	e165	e79	1160	116	1390	62	17	14
13	52	116	e93	e110	e145	e79	1580	137	487	67	18	13
14	51	135	e85	e110	e130	e82	1690	109	307	57	17	16
15	47	396	e82	e110	e120	e85	1430	95	230	53	15	16
16	81	212	e80	e105	e110	e89	1310	89	186	48	15	14
17	137	168	e1950	e105	e105	e89	1200	87	377	55	15	13
18	329	141	1320	e100	e96	e89	1080	82	289	53	18	12
19	273	126	532	e95	e98	e88	862	81	190	46	19	12
20	163	115	387	e93	e95	e92	909	73	150	41	16	16
21	126	111	280	e88	e92	e105	1400	68	163	38	17	138
22	106	104	e245	e86	e88	e125	3180	88	185	34	14	53
23	93	89	e215	e86	e84	e275	2560	169	156	32	14	33
24	87	e98	e195	e85	e84	e200	2440	166	159	29	13	26
25	83	e88	e190	e83	e85	e170	1360	126	125	27	12	378
26	77	e100	e185	e81	e87	155	896	111	102	62	11	152
27	73	e250	e180	e79	e85	143	755	336	85	54	12	64
28	70	204	e175	e78	e83	131	639	304	72	37	12	56
29	65	169	e165	e77	---	124	489	280	66	32	12	70
30	66	148	e160	e78	---	e120	431	178	65	29	11	55
31	67	---	e170	e105	---	e135	---	182	---	27	11	---
TOTAL	3010	3868	7851	3344	3173	3353	29561	5511	9904	2019	547	1356
MEAN	97.1	129	253	108	113	108	985	178	330	65.1	17.6	45.2
MAX	329	396	1950	160	225	275	3180	438	1390	261	32	378
MIN	33	59	76	77	83	78	122	68	65	27	11	12
CFSM	.87	1.15	2.26	.96	1.01	.97	8.80	1.59	2.95	.58	.16	.40
IN.	1.00	1.28	2.61	1.11	1.05	1.11	9.82	1.83	3.29	.67	.18	.45

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

MEAN	129	194	184	169	148	402	660	285	155	70.6	54.9	63.5
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	108	156	90.4	34.9	16.6	15.7	13.4
(WY)	1994	1999	1990	1989	1993	2001	1995	1995	1995	1999	1999	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1987 - 2001	
ANNUAL TOTAL	87188		73497			
ANNUAL MEAN	238		201		209	
HIGHEST ANNUAL MEAN					283	1996
LOWEST ANNUAL MEAN					111	1995
HIGHEST DAILY MEAN	2950	Mar 28	3180	Apr 22	6670	Mar 31 1987
LOWEST DAILY MEAN	33	Oct 4	a 11	Aug 26	6.9	Sep 7 1995
ANNUAL SEVEN-DAY MINIMUM	35	Sep 29	12	Aug 25	7.5	Sep 2 1995
MAXIMUM PEAK FLOW			5710	Apr 22	b 11500	Mar 31 1987
MAXIMUM PEAK STAGE			8.42	Apr 22	10.59	Mar 31 1987
INSTANTANEOUS LOW FLOW			c 10	Aug 30	d 7.0	Aug 4 1999
ANNUAL RUNOFF (CFSM)	2.13		1.80		1.87	
ANNUAL RUNOFF (INCHES)	28.96		24.41		25.38	
10 PERCENT EXCEEDS	523		391		458	
50 PERCENT EXCEEDS	135		95		104	
90 PERCENT EXCEEDS	54		18		24	

a Also occurred on August 30, 31.
b From rating curve extended above 3,800 ft^3/s.
c Also occurred on August 31.
d Also occurred on August 6-8, 1999.
e Estimated.

01154500 CONNECTICUT RIVER AT NORTH WALPOLE, NH

LOCATION (REVISED).--Lat 43°07'34", long 72°26'14", Cheshire County, Hydrologic Unit 01080104, on left bank, 100 ft upstream from Saxtons River, 0.7 mi downstream from Vilas Bridge between Bellows Falls, VT, and North Walpole, 1.0 mi south of Main Street and New Hampshire State Highway 12 intersection in 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.
PERIOD OF DAILY WATER-QUALITY RECORD.--Water years 1975 to 1982.
SPECIFIC CONDUCTANCE: October 1980 to November 1981. Record at site 01155050, Connecticut River at Walpole, NH, are considered equivalent, Water years 1975 to 1980.
WATER TEMPERATURES: October 1980 to September 1981. Record at site 01155050, Connecticut River at Walpole, NH, are considered equivalent, Water years 1975 to 1980.
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 power plants 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, 72,600 ft^3/s, April 23, gage height, 25.31 ft; minimum daily discharge, 1,280 ft^3/s, July 29, August 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1430	3980	8770	5950	4170	4080	6240	30200	7200	3140	1640	1420
2	1760	2670	6660	6670	5230	4450	4640	31000	10300	3570	1320	1680
3	2590	2320	6020	10000	5130	3880	4510	30100	22700	5340	1370	1620
4	2550	1600	7060	9530	4750	2460	3220	29300	25800	3200	1290	1620
5	2130	1610	4830	8880	3510	4290	5810	26200	23600	4020	1310	1680
6	3120	4540	5170	5860	5460	3600	6730	20200	19100	5440	1770	2520
7	3530	4980	3870	6520	4990	4260	8770	17600	14900	2940	2450	1350
8	3480	5770	3350	5760	5460	5440	9350	11600	10500	2030	2760	1700
9	3110	8020	3760	5680	6550	3980	13700	10800	8460	5330	4190	1290
10	2790	7710	2360	5410	5780	3940	19400	10400	7580	5040	3200	1350
11	4950	6680	2620	6550	e5270	3430	26500	11200	7790	4900	1390	1820
12	4810	8870	4080	8230	4550	4920	28600	9490	15200	3590	1390	1580
13	5120	10600	4210	7550	6500	5810	40000	8180	12100	3030	1410	1320
14	2180	9610	e4060	4850	e6800	4800	51700	10400	10600	3430	1410	1320
15	2280	8460	4600	7120	7280	3070	49900	9730	6200	2090	1470	1320
16	4190	10300	2710	5240	e7670	4340	44600	8780	7140	5870	1300	1320
17	4500	10000	13200	6290	5740	3120	44100	6740	5910	6390	1490	1340
18	5380	10300	59100	5280	e4760	3920	41400	5500	6300	6270	1320	1350
19	5830	8900	42900	4100	5040	5210	36200	7490	5890	4250	1280	1340
20	4630	7710	33700	2790	4820	4890	32500	6060	7210	2900	1290	1350
21	5620	7780	27200	3420	e4560	5810	36600	7760	5980	4060	1290	1480
22	2150	6680	20800	4460	e6060	4380	53900	7580	4070	2640	1630	2100
23	3980	4440	15400	5210	6060	6930	70600	8930	2470	4590	1920	1360
24	3710	2800	11000	5830	6770	8940	68500	5240	2500	5050	1860	1360
25	3650	2190	7070	5080	3970	9440	66700	3580	4080	5670	1370	1920
26	7730	3790	6620	4530	4350	9140	63300	4380	3680	3840	1370	3330
27	4290	6830	9660	6510	4070	7240	63000	4220	2680	2120	1350	2510
28	1710	8580	7270	4220	4330	5670	57300	4050	1970	2200	1330	2650
29	3070	8350	6350	4110	---	6120	46500	7300	1430	1280	1440	2860
30	4490	7580	7450	5280	---	6280	33900	8200	2450	1330	1370	1430
31	4640	---	6070	4610	---	5080	---	9410	---	1380	1330	---
TOTAL	115400	193650	347920	181520	149630	158920	1038170	371620	265790	116930	51310	51290
MEAN	3723	6455	11220	5855	5344	5126	34610	11990	8860	3772	1655	1710
MAX	7730	10600	59100	10000	7670	9440	70600	31000	25800	6390	4190	3330
MIN	1430	1600	2360	2790	3510	2460	3220	3580	1430	1280	1280	1290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

MEAN	6241	8627	8514	7139	7112	13550	27330	16410	8083	4626	3922	3800
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1942 - 2001	
ANNUAL TOTAL	3969580		3042150			
ANNUAL MEAN	10850		8335		9613	
HIGHEST ANNUAL MEAN					14630	1996
LOWEST ANNUAL MEAN					4991	1965
HIGHEST DAILY MEAN	60300	Apr 5	70600	Apr 23	88300	Mar 28 1953
LOWEST DAILY MEAN	1360	Sep 4	a 1280	Jul 29	b 115	Aug 31 1952
ANNUAL SEVEN-DAY MINIMUM	2020	Sep 29	1330	Sep 13	777	Aug 7 1970
MAXIMUM PEAK FLOW			72600	Apr 23	97000	Mar 27 1953
MAXIMUM PEAK STAGE			25.31	Apr 23	30.37	Mar 27 1953
10 PERCENT EXCEEDS	25900		18200		21400	
50 PERCENT EXCEEDS	6320		4920		6210	
90 PERCENT EXCEEDS	2610		1430		2000	

a Also occurred on August 19.
b Also occurred on September 2, 1957.
e Estimated.

01155500 WEST RIVER AT JAMAICA, VT

LOCATION (REVISED).--Lat 43°06'32", long 72°46'33", Windham County, Hydrologic Unit 01080107, on left bank, 0.3 mi upstream from Depot Street bridge, 0.4 mi upstream from Ball Mountain Brook, 0.7 mi north of Depot Street and State Highway 30/100 intersection in Jamaica, 2.5 mi downstream from Ball Mountain Dam, and 7.0 mi northwest of State Highways 30 and 35 intersection in Townshend.
DRAINAGE AREA.--179 mi^2.
PERIOD OF RECORD.--Discharge records: October 1946 to September 1989, October 1995 to current year.
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 poor. 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, 4,680 ft^3/s, April 29, gage height, 9.01 ft; minimum daily discharge, 17 ft^3/s, August 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	561	141	360	e200	e130	e140	178	3280	394	75	38	35
2	41	139	500	e310	e180	e135	178	3100	1370	200	37	34
3	40	137	458	e345	e255	e135	e176	2520	2290	183	36	34
4	50	135	300	e270	e245	e130	176	2140	2290	146	49	34
5	57	134	223	e170	e240	e130	e180	1550	1100	334	87	34
6	146	134	e200	e170	e240	e130	191	1030	568	284	57	34
7	462	136	e160	e170	e230	e135	200	777	403	193	39	34
8	400	134	e120	e170	e185	e135	220	359	296	125	38	34
9	220	134	e90	e170	e130	e135	464	282	215	90	32	34
10	127	150	e90	e170	e130	e135	1300	229	191	86	28	34
11	126	191	e120	e165	e145	e135	2210	200	229	87	27	34
12	123	198	e150	e160	e235	e135	1810	170	2100	87	28	34
13	96	239	e165	e160	e315	e135	1990	224	1450	159	27	35
14	46	336	e175	e160	e320	e135	2600	249	484	165	26	29
15	47	290	e210	e160	e320	e135	2620	202	295	146	26	20
16	111	396	e270	e160	e280	e135	2420	143	270	128	26	20
17	148	566	e270	e160	e240	e135	1710	132	382	104	24	19
18	280	808	e385	e150	e230	e133	1380	122	601	82	17	19
19	1230	387	2030	e130	e225	e130	1280	122	272	113	17	18
20	579	308	2900	e130	e205	e135	1150	112	200	96	28	20
21	773	258	2190	e130	e190	e138	1750	86	193	67	36	67
22	186	252	1060	e130	e180	e145	1650	80	391	66	36	473
23	419	243	e500	e120	e165	170	923	194	197	49	35	52
24	341	178	e365	e110	e160	190	901	331	196	39	35	52
25	149	128	e265	e110	e160	e190	1800	379	193	38	35	203
26	151	132	e205	e110	e155	e190	1880	223	173	75	35	464
27	150	205	e145	e110	e150	e187	2800	712	100	142	35	184
28	148	270	e145	e110	e145	e184	2860	627	78	78	34	98
29	146	278	e160	e110	---	e182	3190	906	59	76	34	78
30	144	282	e170	e110	---	184	3830	449	67	56	34	100
31	142	---	e185	e110	---	180	---	618	---	42	34	---
TOTAL	7639	7319	14566	4940	5785	4623	44017	21548	17047	3611	1070	2360
MEAN	246	244	470	159	207	149	1467	695	568	116	34.5	78.7
MAX	1230	808	2900	345	320	190	3830	3280	2290	334	87	473
MIN	40	128	90	110	130	130	176	80	59	38	17	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1989, 1996 - 2001, BY WATER YEAR (WY)

MEAN	241	350	351	277	275	564	1273	588	255	134	105	122
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1946 - 1989, 1996 - 2001	
ANNUAL TOTAL	165988		134525			
ANNUAL MEAN	454		369		377	
HIGHEST ANNUAL MEAN					611	1976
LOWEST ANNUAL MEAN					161	1965
HIGHEST DAILY MEAN	3820	Mar 30	3830	Apr 30	15500	Dec 31 1948
LOWEST DAILY MEAN	40	Oct 3	a 17	Aug 18	.94	Sep 23 1968
ANNUAL SEVEN-DAY MINIMUM	52	Sep 13	21	Sep 14	1.1	Sep 18 1968
MAXIMUM PEAK FLOW			4680	Apr 29	b 29500	Dec 31 1948
MAXIMUM PEAK STAGE			9.01	Apr 29	14.87	Dec 31 1948
10 PERCENT EXCEEDS	1030		966		952	
50 PERCENT EXCEEDS	260		160		168	
90 PERCENT EXCEEDS	88		35		33	

a Also occurred August 19.
b From rating curve extended above 9,800 ft^3/s on basis of slope-area measurement of peak flow.
e Estimated.

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

LOCATION (REVISED).--Lat 42°59'41", long 72°18'42", Cheshire County, Hydrologic Unit 01080201, on right bank, 1000 ft south of Surry Mountain Dam, 2.7 mi upstream from Sturtevant Brook, 4.4 mi southwest of Post Office in Gilsum, 4.5 mi north of Courthouse in 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 published, 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. Flow regulated by Surry Mountain Dam.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,170 ft^3/s, April 26, gage height, 8.83 ft; minimum daily discharge, 1.9 ft^3/s, August 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	74	122	129	100	69	169	1120	53	36	14	8.6
2	87	74	112	122	120	69	170	1090	75	40	12	11
3	78	71	94	82	120	69	169	1040	352	39	11	10
4	71	69	83	58	119	69	169	918	610	43	12	11
5	66	68	79	54	117	69	170	744	721	51	13	14
6	89	69	75	55	117	69	173	865	601	54	12	14
7	121	71	61	55	82	69	179	840	369	50	11	12
8	114	72	57	55	69	69	186	827	252	48	10	10
9	101	72	56	55	85	69	306	519	183	46	9.1	8.8
10	89	84	52	55	91	70	734	228	132	42	8.1	8.6
11	43	141	55	55	91	71	932	144	107	39	7.3	9.8
12	70	175	58	87	91	71	953	111	225	37	7.0	8.7
13	103	168	59	133	108	105	884	98	335	34	8.6	8.0
14	77	160	59	132	116	118	599	86	303	31	8.7	8.4
15	64	238	59	131	115	116	556	76	241	29	8.1	8.1
16	57	297	59	130	97	98	820	70	182	26	7.6	7.4
17	61	268	64	129	91	90	985	66	147	26	7.1	6.9
18	77	232	349	128	91	91	1060	63	145	28	7.3	6.5
19	157	205	878	127	90	91	1070	60	128	27	6.9	5.9
20	197	185	1130	125	89	91	1050	57	106	25	6.6	5.7
21	174	160	1060	124	89	91	1040	53	103	22	6.6	15
22	147	117	781	123	75	153	898	51	101	20	6.5	23
23	124	92	575	121	69	242	820	55	95	18	5.9	23
24	110	71	549	120	69	269	1000	63	94	16	5.0	20
25	100	58	522	118	69	257	1150	64	88	15	3.9	20
26	91	63	297	82	69	188	1160	60	77	19	3.6	23
27	85	108	130	61	69	169	1150	61	65	24	3.4	24
28	81	143	130	60	69	169	1120	66	54	23	3.3	23
29	72	142	129	60	---	169	1090	69	45	21	3.2	25
30	67	131	129	67	---	168	1080	66	40	18	2.3	24
31	70	---	129	70	---	168	---	59	---	16	1.9	---
TOTAL	2940	3878	7992	2903	2577	3676	21842	9689	6029	963	233.0	403.4
MEAN	94.8	129	258	93.6	92.0	119	728	313	201	31.1	7.52	13.4
MAX	197	297	1130	133	120	269	1160	1120	721	54	14	25
MIN	43	58	52	54	69	69	169	51	40	15	1.9	5.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1989, 1996 - 2001, BY WATER YEAR (WY)

MEAN	102	162	179	150	155	281	553	284	135	54.7	40.2	52.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1945 - 1989, 1996 - 2001	
ANNUAL TOTAL	71882		63125.4			
ANNUAL MEAN	196		173		179	
HIGHEST ANNUAL MEAN					279	1960
LOWEST ANNUAL MEAN					57.3	1965
HIGHEST DAILY MEAN	1130	Dec 20	1160	Apr 26	2150	Apr 7 1987
LOWEST DAILY MEAN	16	Sep 12	1.9	Aug 31	.40	Sep 17 1964
ANNUAL SEVEN-DAY MINIMUM	18	Sep 7	3.1	Aug 25	.67	Aug 1 1965
MAXIMUM PEAK FLOW			1170	Apr 26	2260	Apr 7 1987
MAXIMUM PEAK STAGE			8.83	Apr 26	a 11.78	Apr 7 1987
10 PERCENT EXCEEDS	447		564		522	
50 PERCENT EXCEEDS	122		77		90	
90 PERCENT EXCEEDS	53		9.9		14	

a From floodmarks.

01158600 OTTER BROOK BELOW OTTER BROOK DAM NEAR KEENE, NH

LOCATION (REVISED).--Lat 42°56'45", long 72°14'14", Cheshire County, Hydrologic Unit 01080201, on right bank, 450 ft downstream from Otter Brook Dam, 1.5 mi downstream of station 01158500, "Otter Brook near Keene", 2.2 mi northeast of City Hall in Keene, and 2.3 mi upstream from confluence with Minnewawa Brook to form "The Branch."
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. Flow regulated by Otter Brook Lake.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 656 ft^3/s, May 7, gage height, 8.51 ft; minimum daily discharge, 0.99 ft^3/s, August 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	38	64	49	48	21	72	580	19	17	5.8	2.2
2	30	35	53	49	66	21	71	578	63	25	5.0	2.9
3	29	32	43	49	66	21	70	598	184	22	4.5	2.8
4	31	31	34	49	65	22	71	585	310	18	4.2	2.7
5	33	31	31	49	46	29	72	547	312	19	3.9	3.1
6	73	32	31	49	36	37	74	566	217	17	4.2	2.8
7	84	31	31	49	36	37	77	602	107	15	3.9	2.7
8	65	29	31	49	36	45	80	405	69	14	3.5	2.4
9	53	28	31	48	36	52	174	123	54	16	3.1	2.3
10	28	42	31	48	36	51	326	48	44	15	2.8	2.3
11	18	90	31	48	36	51	334	36	43	14	2.6	3.2
12	17	86	31	47	37	44	248	34	159	14	2.5	3.5
13	94	70	31	47	42	26	180	33	155	12	2.4	3.1
14	63	66	31	46	44	22	148	30	96	11	2.4	3.2
15	40	140	31	46	44	14	203	27	68	10	2.2	3.1
16	39	132	31	36	45	9.4	406	26	53	9.6	2.1	2.8
17	45	102	33	20	44	90	474	27	54	9.8	2.0	2.7
18	56	82	42	14	45	94	511	26	67	11	2.0	2.5
19	111	71	343	14	44	36	559	26	52	10	1.9	2.4
20	94	64	500	14	44	36	566	24	41	9.5	1.9	2.3
21	74	59	464	14	44	36	562	21	40	8.6	1.8	4.8
22	61	54	291	15	44	77	388	20	38	7.5	1.8	8.4
23	53	49	186	15	43	131	196	25	37	6.7	1.7	7.9
24	50	41	178	18	43	143	255	29	49	6.0	1.6	6.9
25	47	37	137	22	43	139	377	27	43	5.4	1.4	7.0
26	47	46	64	27	43	95	567	23	34	6.7	1.3	11
27	44	89	49	30	29	74	614	26	29	10	1.2	10
28	41	90	50	30	21	74	601	28	21	9.8	1.2	9.8
29	35	75	50	30	---	73	588	31	16	8.8	1.1	11
30	34	66	49	29	---	72	591	27	15	7.6	1.0	10
31	38	---	49	30	---	72	---	22	---	6.7	.99	---
TOTAL	1557	1838	3051	1080	1206	1744.4	9455	5200	2489	372.7	77.99	141.8
MEAN	50.2	61.3	98.4	34.8	43.1	56.3	315	168	83.0	12.0	2.52	4.73
MAX	111	140	500	49	66	143	614	602	312	25	5.8	11
MIN	17	28	31	14	21	9.4	70	20	15	5.4	.99	2.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1989, 1996 - 2001, BY WATER YEAR (WY)

MEAN	47.0	73.6	78.5	64.5	71.2	135	252	117	60.0	28.1	21.1	23.7
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 1989, 1996 - 2001	
ANNUAL TOTAL	31160.5		28212.89			
ANNUAL MEAN	85.1		77.3		81.0	
HIGHEST ANNUAL MEAN					126	1960
LOWEST ANNUAL MEAN					23.2	1965
HIGHEST DAILY MEAN	500	Dec 20	614	Apr 27	685	Apr 10 1987
LOWEST DAILY MEAN	7.2	Sep 12	.99	Aug 31	.30	Sep 27 1964
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 7	1.2	Aug 25	.30	Oct 12 1964
MAXIMUM PEAK FLOW			656	May 7	a 752	Apr 9 1987
MAXIMUM PEAK STAGE			8.51	May 7	8.62	Apr 9 1987
10 PERCENT EXCEEDS	194		182		208	
50 PERCENT EXCEEDS	53		36		40	
90 PERCENT EXCEEDS	18		3.0		5.9	

a Includes bypass flow through spillway of the dam structure.

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, 5.0 mi southwest of City Hall in Keene, and 18.3 mi (revised) 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, 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, 3,510 ft^3/s, April 12, gage height, 3.33 ft; maximum gage height, 3.57 ft, December 26 (ice jam); minimum daily discharge, e22 ft^3/s, August 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	276	411	e400	332	223	630	2060	202	143	71	54
2	178	267	357	370	415	225	593	2030	333	189	68	73
3	168	259	291	318	383	228	597	1990	1430	186	64	59
4	168	266	271	278	327	225	629	1930	1950	154	e62	49
5	181	260	259	266	312	215	720	1690	1860	162	e72	50
6	298	249	248	268	289	211	823	1680	1510	211	e73	47
7	443	247	228	268	331	265	951	1710	991	196	64	42
8	366	241	214	268	269	266	1230	1640	603	161	60	37
9	292	254	207	267	267	262	1530	1180	427	154	55	33
10	256	304	197	259	278	256	2350	587	332	164	52	33
11	236	499	205	256	277	251	3220	357	297	140	e52	49
12	217	546	222	257	280	249	3370	280	608	132	e52	52
13	301	487	215	284	301	250	3370	263	882	128	51	48
14	319	453	216	298	305	263	3310	250	686	116	e50	47
15	240	740	216	298	326	264	3160	243	512	107	44	48
16	235	852	211	295	307	270	2990	235	393	99	43	45
17	230	752	658	274	287	350	3130	228	359	102	41	40
18	271	624	2470	265	272	360	3040	221	404	114	e40	36
19	538	527	2290	267	275	313	2950	217	343	102	e38	34
20	616	460	2300	265	276	323	2810	212	284	88	e37	33
21	519	417	e2100	261	269	351	2750	197	272	80	e35	73
22	422	355	1900	249	254	655	2920	190	268	75	e34	97
23	355	278	e1300	255	255	1110	3100	207	258	69	e31	87
24	333	244	e1100	258	247	1160	2910	232	275	66	e29	74
25	299	231	e1000	259	240	1040	2790	228	263	63	e28	82
26	274	252	e700	245	256	857	2640	212	227	83	27	119
27	264	462	e570	229	253	688	2490	230	198	110	e26	122
28	261	557	e520	224	238	624	2350	257	175	99	25	106
29	250	498	e480	220	---	595	2220	276	154	89	e24	106
30	248	441	e450	231	---	617	2120	252	143	80	e23	97
31	261	---	e420	264	---	642	---	225	---	74	e22	---
TOTAL	9230	12298	22226	8416	8121	13608	67693	21509	16639	3736	1393	1872
MEAN	298	410	717	271	290	439	2256	694	555	121	44.9	62.4
MAX	616	852	2470	400	415	1160	3370	2060	1950	211	73	122
MIN	168	231	197	220	238	211	593	190	143	63	22	33

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

MEAN	362	548	611	628	523	926	1417	721	367	196	139	152
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	271	290	439	518	316	89.1	91.9	44.9	47.8
(WY)	1998	1995	1999	2001	2001	2001	1995	1995	1999	1999	2001	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	193999		186741			
ANNUAL MEAN	530		512		537	
HIGHEST ANNUAL MEAN					781	1996
LOWEST ANNUAL MEAN					380	1995
HIGHEST DAILY MEAN	2470	Dec 18	a 3370	Apr 12	a 3370	Apr 12 2001
LOWEST DAILY MEAN	68	Sep 12	e 22	Aug 31	20	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	79	Sep 6	25	Aug 25	21	Aug 7 1999
MAXIMUM PEAK FLOW			3510	Apr 12	3620	Apr 17 1996
MAXIMUM PEAK STAGE			b 3.57	Dec 26	b 6.30	Mar 7 1999
10 PERCENT EXCEEDS	1090		1570		1470	
50 PERCENT EXCEEDS	390		262		301	
90 PERCENT EXCEEDS	166		52		65	

a Also occurred on April 13, 2001.
b Ice Jam.
e Estimated.

01161000 ASHUELOT RIVER AT HINSDALE, NH

LOCATION (REVISED).--Lat 42°47'09", long 72°29'12", Cheshire County, Hydrologic Unit 01080201, on left bank, 40 ft upstream from State Highway 63S bridge in Hinsdale, 200 ft south of State Highway 63S and 119W intersection in Hinsdale, 0.2 mi downstream from dam, and 1.3 mi upstream from mouth.
DRAINAGE AREA.--420 mi^2.
PERIOD OF RECORD.--Discharge records: March 1907 to December 1911, July 1914 to current year.
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 September 29, 1933, nonrecording gage on State Highway 63S bridge at same datum.
REMARKS.--Records good except 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, 4,870 ft^3/s, April 14, gage height, 7.49 ft; minimum daily discharge, 40 ft^3/s, August 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	321	629	e580	494	e320	945	2220	283	259	100	78
2	258	343	572	e540	e600	e310	891	2170	480	349	93	100
3	239	319	468	e460	e560	e300	874	2130	1910	312	92	92
4	222	310	425	e430	e470	291	906	2060	2370	250	91	81
5	219	317	e400	e410	e450	287	1040	1900	2110	249	103	84
6	411	304	e380	e410	e420	282	1210	1730	1740	296	109	75
7	684	296	e355	e405	e470	342	1400	1770	1300	311	96	71
8	605	288	e335	e405	e390	391	1920	1750	902	264	86	66
9	471	286	e310	e400	385	375	2360	1490	683	268	82	60
10	394	367	e300	e400	427	361	3400	930	518	250	84	59
11	334	604	309	e395	e430	340	4080	600	448	244	85	67
12	290	691	316	e395	e445	349	4340	458	776	210	86	71
13	285	631	e325	e440	e455	336	4630	380	1070	189	84	70
14	399	584	330	e465	e465	366	4780	354	949	180	79	72
15	330	882	e325	e465	e470	381	4380	328	758	166	69	71
16	319	1090	e315	e460	e450	409	3830	307	601	157	66	67
17	311	973	1260	e430	e435	442	3680	293	539	164	64	63
18	338	821	4090	e410	e410	555	3560	289	621	181	63	58
19	629	704	3160	401	e405	541	3390	279	536	169	59	54
20	778	633	2720	389	e400	488	3210	271	420	150	57	53
21	696	569	2490	e380	e390	542	3120	252	364	134	56	101
22	565	515	2320	e370	e385	903	3260	245	359	122	52	116
23	486	433	1700	e375	e380	1530	3480	265	346	116	50	127
24	437	370	1360	e380	e375	1640	3350	320	380	105	48	113
25	402	329	1220	e380	e370	1520	3080	350	371	99	48	109
26	370	358	997	e365	367	1320	2910	316	322	116	48	144
27	352	677	895	e350	e365	1080	2750	342	276	144	47	187
28	329	833	764	e335	e345	946	2570	399	237	146	46	148
29	304	772	e700	e330	---	900	2420	479	212	126	44	151
30	302	692	e670	e340	---	920	2300	401	205	115	42	141
31	311	---	e630	416	---	957	---	337	---	103	40	---
TOTAL	12350	16312	31070	12711	12008	19724	84066	25415	22086	5944	2169	2749
MEAN	398	544	1002	410	429	636	2802	820	736	192	70.0	91.6
MAX	778	1090	4090	580	600	1640	4780	2220	2370	349	109	187
MIN	219	286	300	330	345	282	874	245	205	99	40	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 1911, 1914 - 2001, BY WATER YEAR (WY)

MEAN	348	590	662	609	606	1242	1887	989	520	277	226	243
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1907 - 1911, 1914 - 2001	
ANNUAL TOTAL	290320		246604			
ANNUAL MEAN	793		676		683	
HIGHEST ANNUAL MEAN					1093	1960
LOWEST ANNUAL MEAN					216	1965
HIGHEST DAILY MEAN	4090	Dec 18	4780	Apr 14	16500	Mar 19 1936
LOWEST DAILY MEAN	117	Sep 12	40	Aug 31	12	Sep 15 1929
ANNUAL SEVEN-DAY MINIMUM	137	Sep 7	45	Aug 25	32	Aug 16 1966
MAXIMUM PEAK FLOW			4870	Apr 14	a 16600	Mar 19 1936
MAXIMUM PEAK STAGE			7.49	Apr 14	b 20.20	Mar 19 1936
10 PERCENT EXCEEDS	1740		1820		1720	
50 PERCENT EXCEEDS	581		375		377	
90 PERCENT EXCEEDS	254		83		97	

a By computation of peak flow over dam from floodmarks (backwater from Connecticut River).
b From floodmarks.
e Estimated.

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT

LOCATION (REVISED).--Lat 42°54'47", long 73°15'25", Bennington County, Hydrologic Unit 02020003, on left bank, 500 ft downstream of River Road Covered bridge, 700 ft downstream of Old Mill Dam, 0.6 mi downstream from Paran Creek, 1.4 mi south of State Highway 67 and 67A intersection in North Bennington, and 3.9 mi northwest of Town Hall in Bennington.
DRAINAGE AREA.--111 mi^2.
PERIOD OF RECORD.--Discharge records: June 1931 to current year.
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)
Dec. 17	1945	2,990	6.82	Apr. 22	2030	* 3,110	* 6.96

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	121	172	e145	160	114	218	403	182	172	49	82
2	119	116	150	e135	127	113	200	400	619	213	46	52
3	102	113	119	e130	108	110	202	362	809	120	47	46
4	101	109	e120	e125	e98	105	234	320	623	105	68	42
5	110	112	128	e122	108	e104	289	281	396	172	78	42
6	244	118	e110	e120	105	e102	318	239	306	122	55	38
7	181	112	e105	120	102	e102	374	211	249	97	49	38
8	137	113	e100	e115	95	e106	773	194	211	101	46	36
9	124	108	e98	e110	124	e106	827	184	183	122	44	36
10	120	170	e97	e107	313	e104	1140	171	162	93	66	38
11	125	182	e112	e105	214	e103	1040	157	197	88	67	42
12	128	145	e140	e100	e160	e100	1200	168	295	87	54	37
13	115	128	e100	e98	165	e120	1380	200	203	84	53	35
14	107	151	e98	100	155	e140	1180	157	160	82	49	48
15	102	314	e97	97	298	131	954	147	137	90	45	44
16	108	201	e98	98	212	135	847	138	123	74	42	41
17	122	168	1400	96	179	136	733	133	309	105	42	39
18	343	149	995	92	e140	142	634	124	248	100	42	35
19	342	141	446	93	e148	133	537	131	162	78	46	35
20	225	132	337	92	155	146	511	115	132	66	40	37
21	186	143	276	87	153	170	704	106	127	60	39	160
22	164	128	247	85	e123	588	1770	130	119	58	38	79
23	150	121	e205	e84	135	391	1730	170	112	55	36	56
24	144	102	e185	84	e120	275	1840	219	119	51	36	48
25	138	104	e175	82	e125	228	1060	171	110	52	34	145
26	133	144	e170	e79	e165	201	691	195	99	123	33	130
27	129	268	e165	78	141	185	603	431	88	96	33	73
28	122	254	e155	77	123	172	536	327	81	67	34	58
29	115	215	e145	76	---	166	441	304	78	59	34	57
30	118	190	e145	96	---	271	399	233	89	55	33	51
31	122	---	e155	179	---	259	---	224	---	51	33	---
TOTAL	4586	4572	7045	3207	4251	5258	23365	6745	6728	2898	1411	1700
MEAN	148	152	227	103	152	170	779	218	224	93.5	45.5	56.7
MAX	343	314	1400	179	313	588	1840	431	809	213	78	160
MIN	101	102	97	76	95	100	200	106	78	51	33	35

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

MEAN	151	210	213	196	182	320	536	322	180	123	105	116
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	94954		71766			
ANNUAL MEAN	259		197		221	
HIGHEST ANNUAL MEAN					362	1976
LOWEST ANNUAL MEAN					98.9	1965
HIGHEST DAILY MEAN	1560	Feb 28	1840	Apr 24	6350	Dec 31 1948
LOWEST DAILY MEAN	79	Jul 14	a 33	Aug 26	b 21	Sep 22 1964
ANNUAL SEVEN-DAY MINIMUM	94	Feb 7	33	Aug 25	22	Sep 20 1964
MAXIMUM PEAK FLOW			3110	Apr 22	c 8450	Sep 21 1938
MAXIMUM PEAK STAGE			6.96	Apr 22	12.04	Sep 21 1938
INSTANTANEOUS LOW FLOW			30	Aug 31	4.0	Sep 27 1932
10 PERCENT EXCEEDS	458		367		456	
50 PERCENT EXCEEDS	193		123		142	
90 PERCENT EXCEEDS	108		46		57	

a Also occurred on August 27, 30, and 31.
b Also occurred on September 23, 1964, and July 12, 1965.
c 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.
e Estimated.

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT

LOCATION (REVISED).--Lat 43°37'27", long 73°18'43", Rutland County, Hydrologic Unit 02010001, on right bank, 0.4 mi downstream from Carver Falls and Dam, 2.0 mi upstream from Hubbardton River, 3.0 mi northwest of Town Hall in Fair Haven, and 6.6 mi northeast of Whitehall, NY.
DRAINAGE AREA.--187 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
REVISED RECORDS.--WSP 1114: 1929(M), 1932-35.
GAGE.--Water-stage recorder. Elevation of gage is 110 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by power plant 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)
Dec. 17	Unknown	* 10,200	* 21.60	Apr. 14	0445	2,820	12.86

Minimum daily discharge, 9.2 ft^3/s, August 15, 16, and September 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	111	159	e285	e158	e172	402	431	133	135	e28	16
2	35	106	156	e270	e210	e168	411	409	132	e165	e26	16
3	35	85	e153	e255	e193	e165	430	336	143	e150	24	15
4	35	70	e143	e240	e183	e160	445	279	240	e133	31	13
5	35	63	e132	e230	e180	e153	491	251	325	e153	34	13
6	35	62	e122	e220	e185	e150	580	234	323	e130	39	12
7	46	65	e115	e210	e187	e150	663	215	264	e110	40	12
8	53	65	e105	e205	e187	e155	879	203	221	e122	30	11
9	53	63	e98	e195	e188	e160	1270	193	192	e130	23	11
10	51	64	88	e187	e210	e163	1970	183	171	e107	23	11
11	47	75	83	e195	e270	240	2260	176	162	e122	23	13
12	44	81	87	e208	e290	280	2140	168	529	e135	23	15
13	41	82	103	e215	e303	239	2620	163	695	e125	23	12
14	40	81	104	e190	e293	213	2650	161	555	e110	15	11
15	38	93	99	e170	e278	203	2260	157	414	e95	9.2	11
16	37	119	93	e158	e260	201	1940	152	334	e89	9.2	10
17	42	121	e1260	e147	e250	205	1700	147	304	e96	9.3	9.7
18	54	113	e5450	e140	e235	208	1520	141	367	e87	11	9.5
19	72	102	e2000	e135	e225	210	1360	137	355	e74	14	9.2
20	86	92	e1200	e133	e218	222	1220	132	280	e67	16	9.4
21	87	86	e900	e135	e208	237	1080	128	227	e63	33	12
22	81	82	e700	e140	e198	286	957	124	199	e58	30	15
23	76	80	e560	e141	e190	425	932	121	182	e54	23	14
24	74	75	e480	e138	e185	507	832	120	175	e50	19	12
25	71	68	e435	e133	e178	563	717	118	179	e62	17	26
26	68	68	e400	e130	e180	573	613	117	173	e84	16	32
27	64	100	e380	e127	e177	509	530	118	163	e78	16	26
28	57	138	e350	e120	e175	441	470	127	153	e46	16	19
29	77	151	e335	e115	---	396	455	133	144	e41	15	17
30	94	156	e318	e112	---	372	445	136	137	e36	14	15
31	105	---	e305	e122	---	382	---	135	---	e32	14	---
TOTAL	1768	2717	16913	5401	5994	8508	34242	5645	7871	2939	663.7	427.8
MEAN	57.0	90.6	546	174	214	274	1141	182	262	94.8	21.4	14.3
MAX	105	156	5450	285	303	573	2650	431	695	165	40	32
MIN	35	62	83	112	158	150	402	117	132	32	9.2	9.2
CFSM	.30	.48	2.92	.93	1.14	1.47	6.10	.97	1.40	.51	.11	.08
IN.	.35	.54	3.36	1.07	1.19	1.69	6.81	1.12	1.57	.58	.13	.09

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

MEAN	139	222	263	260	261	521	674	319	165	105	83.1	90.6
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	129174		93089.5			
ANNUAL MEAN	353		255		258	
HIGHEST ANNUAL MEAN					527	1976
LOWEST ANNUAL MEAN					66.9	1965
HIGHEST DAILY MEAN	e 5450	Dec 18	e 5450	Dec 18	7010	Jan 20 1996
LOWEST DAILY MEAN	35	Sep 26	a 9.2	Aug 15	b 2.1	Aug 8 1965
ANNUAL SEVEN-DAY MINIMUM	35	Sep 26	10	Sep 14	3.0	Aug 13 1965
MAXIMUM PEAK FLOW			c 10200	Dec 17	c 14800	Jul 20 1945
MAXIMUM PEAK STAGE			d 21.60	Dec 17	d 24.36	Jul 20 1945
ANNUAL RUNOFF (CFSM)	1.89		1.36		1.38	
ANNUAL RUNOFF (INCHES)	25.70		18.52		18.77	
10 PERCENT EXCEEDS	734		497		613	
50 PERCENT EXCEEDS	190		136		136	
90 PERCENT EXCEEDS	59		16		28	

a Also occurred on August 16 and September 19.
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 (REVISED).--Lat 43°22'14", long 73°13'00", Rutland County, Hydrologic Unit 02010001, on left bank, 10 ft downstream from Betts Bridge Road bridge, 20 ft southwest of Betts Bridge Road and Offesend Road intersection, 0.8 mi upstream of State Highway 153 bridge, 1.0 mi southwest of Offesend Road and State Highway 30 intersection at Butternut Bend, and 2.5 mi northwest of State Highways 30 and 133 intersection in 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 poor.
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)
Dec. 17	1700	* 7,080	* 7.31	Apr. 22	1915	1,230	4.31
Apr. 13	1530	1,620	4.67				

Minimum discharge, 6.6 ft^3/s, September 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	51	114	e98	e75	e56	77	e180	e84	e87	21	32
2	31	48	104	e92	e66	e54	78	e172	e183	e110	20	18
3	31	47	e94	e88	e61	e52	84	e165	e252	e76	25	14
4	30	47	e88	e84	e59	e50	99	e155	e301	e69	28	13
5	31	56	e85	e79	e57	e54	135	e149	e226	e84	22	16
6	60	67	e84	e74	e55	e58	150	e130	e183	e69	20	13
7	45	59	e81	e73	e52	e54	187	e114	e152	e58	18	11
8	39	57	e80	e70	e51	e47	421	e103	e129	e63	17	9.7
9	37	57	e78	e67	e54	e43	630	e96	e111	e66	16	9.0
10	36	94	e87	e66	164	e41	797	e85	e97	e56	34	9.5
11	36	102	e80	e65	104	e40	728	e83	e169	e57	24	9.7
12	34	88	e83	e64	e92	e39	1050	e84	e566	e67	20	8.5
13	34	82	e79	e77	e86	e43	1310	e123	e286	e58	18	8.1
14	33	92	e78	e68	e81	49	1110	e91	e213	e52	16	9.3
15	32	159	e77	e62	e84	50	892	e81	e173	e52	15	8.5
16	66	122	e84	e56	e80	54	735	e75	e145	e47	13	8.1
17	66	109	2860	e55	e76	51	632	e70	e205	e52	15	7.6
18	112	99	1280	e54	e73	50	547	e65	e176	e48	18	7.3
19	113	92	589	e52	e75	48	461	e64	e138	e41	14	7.3
20	91	87	425	e49	e71	53	426	e60	e116	e37	17	7.6
21	77	85	316	e53	e66	61	484	e55	e118	e34	29	18
22	70	80	270	e56	e64	271	e650	e54	e139	e31	16	13
23	64	75	221	e57	e61	186	e643	e61	e114	e29	13	11
24	62	71	199	e56	e58	136	e580	e66	e167	27	12	10
25	58	70	171	e47	e61	118	e470	e66	e134	28	11	47
26	56	85	161	e49	e65	100	e350	e61	e107	50	10	35
27	54	132	e147	e54	e61	89	e290	e128	e92	37	11	e21
28	52	127	e130	e49	e57	82	e254	e113	e81	30	11	e17
29	51	126	e123	e46	---	78	e219	e124	e73	27	10	19
30	51	122	e110	e50	---	92	e196	e98	e72	25	9.5	17
31	53	---	e104	e85	---	86	---	e97	---	23	9.7	---
TOTAL	1636	2588	8482	1995	2009	2285	14685	3068	5002	1590	533.2	435.2
MEAN	52.8	86.3	274	64.4	71.8	73.7	490	99.0	167	51.3	17.2	14.5
MAX	113	159	2860	98	164	271	1310	180	566	110	34	47
MIN	30	47	77	46	51	39	77	54	72	23	9.5	7.3
CFSM	.75	1.23	3.90	.92	1.02	1.05	6.97	1.41	2.38	.73	.25	.21
IN.	.87	1.37	4.49	1.06	1.06	1.21	7.78	1.63	2.65	.84	.28	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	72.7	123	134	139	108	191	281	150	82.5	59.3	47.4	40.0
MAX	286	233	317	344	194	274	559	371	167	169	128	99.3
(WY)	1988	1989	1997	1998	2000	1998	1994	1996	2001	1996	2000	1987
MIN	24.5	32.7	45.8	45.3	45.5	73.7	115	55.4	32.8	13.8	13.6	10.6
(WY)	1998	1999	1990	1989	1987	2001	1995	1987	1999	1995	1999	1995

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1985 - 2001**	
ANNUAL TOTAL	61719		44308.4			
ANNUAL MEAN	169		121		119	
HIGHEST ANNUAL MEAN					159	2000
LOWEST ANNUAL MEAN					75.9	1995
HIGHEST DAILY MEAN	2860	Dec 17	2860	Dec 17	2860	Dec 17 2000
LOWEST DAILY MEAN	30	Oct 4	a 7.3	Sep 18	b 7.3	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	31	Sep 29	8.0	Sep 14	8.0	Sep 14 2001
MAXIMUM PEAK FLOW			7080	Dec 17	7080	Dec 17 2000
MAXIMUM PEAK STAGE			7.31	Dec 17	7.31	Dec 17 2000
INSTANTANEOUS LOW FLOW			6.6	Sep 20	6.4	Sep 6 1999
ANNUAL RUNOFF (CFSM)	2.40		1.73		1.70	
ANNUAL RUNOFF (INCHES)	32.71		23.48		23.03	
10 PERCENT EXCEEDS	307		208		248	
50 PERCENT EXCEEDS	115		66		79	
90 PERCENT EXCEEDS	47		16		23	

a Also occurred on September 19.
b Also occurred on September 18, 19, 2001.
e Estimated.

04282000 OTTER CREEK AT CENTER RUTLAND, VT

LOCATION (REVISED).--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 US Highway 4 (Business) in Center Rutland, 0.3 mi upstream of Clarendon River, 1.2 mi downstream from East Creek, and 2.1 mi west of US 7N and 4E intersection in Rutland.
DRAINAGE AREA.--307 mi^2.
PERIOD OF RECORD.--Discharge records: May 1928 to current year.
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 power plants and Chittenden Reservoir 14 mi upstream on East Creek. These reservoirs have a combined usable 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)
Dec. 17	Unknown	* 7,430	* 11.32	Apr. 23	0515	6,520	10.60
Apr. 14	2200	4,600	8.90				

Minimum daily discharge, 53 ft^3/s, September 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	214	484	e380	597	e315	419	1190	577	806	143	126
2	100	211	e390	e360	491	e280	420	1380	869	745	152	133
3	91	207	e320	e340	344	e240	493	1370	1320	375	141	104
4	92	200	e325	e330	e235	e217	542	1250	1620	305	187	98
5	94	220	e340	e320	e310	e220	606	1040	1190	340	160	144
6	276	308	e290	e317	e295	e213	691	811	805	340	172	175
7	328	274	e280	e315	e315	e310	739	689	652	262	178	136
8	213	248	e265	e305	e310	e320	1020	589	556	252	171	84
9	181	234	e260	e290	e360	e290	1230	563	435	338	163	67
10	159	342	e260	e280	642	e247	1690	566	379	444	166	95
11	153	565	e295	e277	703	e218	1920	530	855	493	129	89
12	156	428	e380	e260	587	e235	2410	484	2630	506	99	65
13	135	352	e260	e260	586	e250	3670	544	1960	383	130	60
14	123	351	e260	e260	502	268	4410	514	980	357	129	64
15	120	780	e257	e258	576	331	3930	408	669	311	96	57
16	162	627	e300	e255	550	393	3220	356	536	295	92	57
17	346	492	e3800	e250	445	378	2670	350	556	299	94	65
18	445	426	e2600	e240	298	322	2310	336	634	306	96	60
19	656	379	e1200	e242	336	341	1930	321	532	212	98	53
20	420	352	e870	e240	418	334	1700	292	457	174	100	53
21	324	333	e730	e230	458	356	1960	265	417	159	210	106
22	268	321	e650	e220	384	621	3510	253	421	150	140	131
23	227	281	e560	e220	417	694	6050	312	363	172	128	99
24	207	231	e490	e218	381	527	6030	329	370	199	95	87
25	198	210	e460	e215	299	474	5180	299	341	166	71	201
26	186	334	e445	e210	396	e410	3020	277	333	206	73	432
27	181	826	e435	e200	392	e365	1970	552	287	250	87	198
28	164	793	e410	e190	e340	349	1660	656	238	158	108	138
29	160	642	e385	e220	---	340	1390	690	184	132	85	129
30	198	555	e390	e260	---	368	1190	520	245	125	83	136
31	205	---	e405	489	---	445	---	709	---	114	96	---
TOTAL	6663	11736	18796	8451	11967	10671	67980	18445	21411	9374	3872	3442
MEAN	215	391	606	273	427	344	2266	595	714	302	125	115
MAX	656	826	3800	489	703	694	6050	1380	2630	806	210	432
MIN	91	200	257	190	235	213	419	253	184	114	71	53
CFSM	.70	1.27	1.97	.89	1.39	1.12	7.38	1.94	2.32	.98	.41	.37
IN.	.81	1.42	2.28	1.02	1.45	1.29	8.24	2.24	2.59	1.14	.47	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

MEAN	352	503	511	479	460	824	1471	825	439	288	243	255
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1928 - 2001	
ANNUAL TOTAL	243371		192808			
ANNUAL MEAN	665		528		553	
HIGHEST ANNUAL MEAN					1049	1976
LOWEST ANNUAL MEAN					239	1965
HIGHEST DAILY MEAN	3950	Apr 5	6050	Apr 23	10100	Sep 22 1938
LOWEST DAILY MEAN	91	Oct 3	a 53	Sep 19	38	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	96	Sep 29	58	Sep 14	48	Aug 1 1999
MAXIMUM PEAK FLOW			7430	Dec 17	13700	Sep 22 1938
MAXIMUM PEAK STAGE			11.32	Dec 17	b 12.45	Sep 22 1938
ANNUAL RUNOFF (CFSM)	2.17		1.72		1.80	
ANNUAL RUNOFF (INCHES)	29.49		23.36		24.48	
10 PERCENT EXCEEDS	1320		996		1200	
50 PERCENT EXCEEDS	447		320		340	
90 PERCENT EXCEEDS	185		105		134	

a Also occurred on September 20.
b At datum then in use.
e Estimated.

04282500 OTTER CREEK AT MIDDLEBURY, VT

LOCATION (REVISED).--Lat 44°00'47", long 73°10'06", Addison County, Hydrologic Unit 02010002, on right bank, 150 ft upstream from State Highway 125 bridge in Middlebury, 0.1 mi southwest of US 7 and State Highway 125 intersection, and 3.6 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.
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, 5,770 ft^3/s, April 27, gage height, 7.04 ft; minimum daily discharge, 112 ft^3/s, September 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	372	1080	1770	e700	e580	887	4450	1080	558	221	158
2	174	355	927	e1550	e760	e560	885	4060	1030	1150	225	174
3	176	334	768	e1350	e700	e540	1000	3730	1250	1270	261	174
4	173	324	519	1210	e610	e490	1150	3460	1610	873	254	158
5	180	338	528	e1030	e520	e435	1340	3190	1780	750	261	154
6	234	410	e550	961	e545	e415	1570	2970	1860	634	242	182
7	425	457	e510	853	e580	e440	1680	2820	1830	584	224	234
8	541	444	e440	750	e605	e520	1960	2610	1630	495	236	210
9	443	407	e370	e705	e620	e580	2400	2370	1250	474	230	166
10	364	429	e345	e680	e780	591	2800	2070	832	606	232	136
11	310	583	e350	e640	e1020	522	3060	1770	646	723	234	141
12	292	734	e460	e580	e1010	468	3270	1480	1090	851	210	159
13	302	666	e590	e550	e1010	463	3660	1210	1670	855	173	135
14	269	591	e560	e530	e1000	498	3810	1030	1870	708	173	122
15	237	854	e490	e520	e975	501	3980	861	1990	668	185	117
16	268	1110	e430	e540	e950	571	4260	710	1990	564	167	116
17	420	1010	e850	e560	e875	642	4730	631	2070	504	151	113
18	620	838	e1460	e580	e740	639	4930	589	1730	498	166	112
19	875	707	e1910	e560	e630	618	5020	575	1400	488	156	114
20	968	620	e2250	e530	e630	619	4910	598	1110	424	148	114
21	734	596	e2560	e500	e680	680	4770	514	879	345	153	141
22	561	582	2810	e475	e710	803	4780	472	716	313	218	167
23	459	555	3020	e495	e675	1140	4720	473	674	282	200	179
24	431	466	3160	e480	e640	1240	4650	516	693	284	173	167
25	413	378	3110	e475	e605	1070	4840	516	689	333	161	170
26	407	418	3150	e460	e580	e950	5350	506	613	299	149	263
27	397	888	2940	e440	e605	e900	5730	549	560	336	134	382
28	376	1370	2680	e410	e625	e850	5620	838	512	363	140	289
29	333	1380	2430	e370	---	793	5320	1050	445	299	147	209
30	307	1230	2240	e380	---	760	4890	1040	417	242	152	178
31	352	---	2010	e550	---	851	---	998	---	228	145	---
TOTAL	12221	19446	45497	21484	20380	20729	107972	48656	35916	17001	5921	5134
MEAN	394	648	1468	693	728	669	3599	1570	1197	548	191	171
MAX	968	1380	3160	1770	1020	1240	5730	4450	2070	1270	261	382
MIN	173	324	345	370	520	415	885	472	417	228	134	112
CFSM	.63	1.03	2.34	1.10	1.16	1.06	5.73	2.50	1.91	.87	.30	.27
IN.	.72	1.15	2.70	1.27	1.21	1.23	6.40	2.88	2.13	1.01	.35	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903-07,10-20, 28-01 BY WATER YEAR (WY)

MEAN	638	866	918	885	857	1517	2559	1528	826	546	461	478
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903-07, 10-20, 28-01	
ANNUAL TOTAL	467160		360357			
ANNUAL MEAN	1276		987		1005	
HIGHEST ANNUAL MEAN					1878	1976
LOWEST ANNUAL MEAN					397	1965
HIGHEST DAILY MEAN	3630	Mar 5	5730	Apr 27	11000	Mar 21 1936
LOWEST DAILY MEAN	173	Oct 4	112	Sep 18	92	Aug 9 1965
ANNUAL SEVEN-DAY MINIMUM	183	Sep 29	115	Sep 14	107	Jul 28 1965
MAXIMUM PEAK FLOW			5770	Apr 27		
MAXIMUM PEAK STAGE			7.04	Apr 27		
ANNUAL RUNOFF (CFSM)	2.03		1.57		1.60	
ANNUAL RUNOFF (INCHES)	27.67		21.35		21.74	
10 PERCENT EXCEEDS	2650		2580		2330	
50 PERCENT EXCEEDS	922		580		635	
90 PERCENT EXCEEDS	338		174		259	

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, 1.5 mi downstream of Muddy Branch, 3.3 mi north of US 7 and State Highway 125 intersection in 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 235 ft (revised) 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)
Dec. 17	2145	* 6,530	* 9.68	Apr. 22	1615	2,840	7.56
Apr. 12	2045	2,670	7.43				

Minimum discharge, 18 ft^3/s, September 18-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	95	236	e160	e92	e92	e155	e460	220	262	37	50
2	40	94	196	e153	e88	e89	152	e550	268	180	34	43
3	40	93	e153	e150	e85	e81	178	489	240	101	35	31
4	40	87	e140	e143	e84	e76	215	449	254	88	40	29
5	43	141	154	e140	e83	e74	306	350	257	265	34	40
6	134	192	e120	e135	e81	e72	340	272	182	126	31	32
7	141	151	e102	e125	e82	e82	338	224	153	87	29	27
8	220	135	e76	e120	e83	e85	543	209	126	77	28	24
9	150	127	e79	e108	e90	e79	893	195	101	79	26	22
10	112	158	e84	e102	e190	e77	972	189	91	247	26	21
11	103	202	126	e105	e175	e78	849	184	84	418	33	23
12	111	196	286	e97	e160	e80	1520	184	94	292	27	22
13	101	159	265	e95	e135	e82	2170	258	82	185	25	20
14	92	155	195	e105	e130	e88	1240	184	71	157	24	20
15	82	436	171	e107	e125	e89	928	156	63	145	22	20
16	124	257	176	e107	e115	e95	814	144	57	113	22	20
17	175	198	2440	e95	e110	e96	736	133	489	112	27	19
18	203	172	1670	e88	e115	e94	644	124	195	100	36	19
19	242	153	506	e99	e123	e99	519	120	107	86	29	19
20	160	140	366	e95	e135	e105	535	111	80	75	26	19
21	128	133	e290	e90	e128	e139	854	101	75	64	35	144
22	109	131	e245	e91	e100	194	1440	95	64	58	34	95
23	102	117	e210	e88	e104	207	e1250	100	69	52	27	49
24	93	e86	e195	e90	e102	179	e990	102	119	49	24	38
25	88	e112	e190	e84	e95	163	e770	92	88	46	22	102
26	87	200	e185	e79	e103	142	e680	83	67	45	21	145
27	82	648	e180	e85	e97	132	e620	137	57	44	23	66
28	80	540	e170	e81	e91	126	e520	149	73	40	32	50
29	78	351	e165	e80	---	121	e460	150	66	38	32	49
30	83	274	e157	e85	---	140	e410	167	126	37	28	42
31	92	---	e162	e98	---	e162	---	291	---	40	25	---
TOTAL	3376	5933	9690	3280	3101	3418	22041	6452	4018	3708	894	1300
MEAN	109	198	313	106	111	110	735	208	134	120	28.8	43.3
MAX	242	648	2440	160	190	207	2170	550	489	418	40	145
MIN	40	86	76	79	81	72	152	83	57	37	21	19
CFSM	.95	1.72	2.72	.92	.96	.96	6.39	1.81	1.16	1.04	.25	.38
IN.	1.09	1.92	3.13	1.06	1.00	1.11	7.13	2.09	1.30	1.20	.29	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	178	210	200	195	136	281	464	272	151	117	108	102
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	110	182	126	51.0	44.7	25.3	43.3
(WY)	1995	1995	1996	1994	1992	2001	1995	1995	1995	1993	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	89432		67211			
ANNUAL MEAN	244		184		198	
HIGHEST ANNUAL MEAN					292	1998
LOWEST ANNUAL MEAN					128	1995
HIGHEST DAILY MEAN	2880	Feb 28	2440	Dec 17	6880	Jun 27 1998
LOWEST DAILY MEAN	40	Oct 2	a 19	Sep 17	13	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	42	Sep 29	19	Sep 14	14	Sep 1 1999
MAXIMUM PEAK FLOW			6530	Dec 17	b 21700	Jun 27 1998
MAXIMUM PEAK STAGE			9.68	Dec 17	c 14.18	Jun 27 1998
INSTANTANEOUS LOW FLOW			d 18	Sep 18	f 12	Sep 5 1999
ANNUAL RUNOFF (CFSM)	2.12		1.60		1.72	
ANNUAL RUNOFF (INCHES)	28.93		21.74		23.36	
10 PERCENT EXCEEDS	496		357		416	
50 PERCENT EXCEEDS	150		105		125	
90 PERCENT EXCEEDS	54		32		49	

a Also occurred on September 18-20.
b From rating curve extended above 5,300 ft^3/s.
c From floodmarks.
d Also occurred on September 19, 20.
e Estimated.
f Also occurred on September 6, 7, 1999.

04282650 LITTLE OTTER CREEK AT FERRISBURG, VT

LOCATION (REVISED).--Lat 44°11'53", long 73°14'58", Addison County, Hydrologic Unit 02010002, on left bank, downstream side of US 7 Highway bridge, 0.5 mi south of Middle Brook Road and US 7 intersection in Ferrisburg, 2.2 mi north of Town Hall in Vergennes, 2.4 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)
Dec. 18	1200	850	4.03	Apr. 10	0445	* 1,550	* 4.85

Minimum discharge, 1.4 ft^3/s, September 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	11	67	e32	e20	e18	e83	28	13	26	3.2	4.4
2	4.0	11	61	e30	e19	e18	e96	27	17	45	2.9	5.1
3	4.1	9.5	81	e30	e18	e17	e108	25	27	27	3.1	4.3
4	4.0	8.5	70	e29	e17	e17	e120	22	35	16	3.1	3.3
5	3.9	12	38	e28	e16	e17	e150	20	25	13	3.6	3.7
6	6.9	25	e33	e27	e16	e18	e200	17	19	12	3.3	4.1
7	15	26	e25	e26	e16	e18	e350	16	14	10	3.1	5.4
8	25	21	e22	e25	e17	e18	e520	14	11	9.1	3.2	4.3
9	24	22	e22	e24	e18	e17	e1200	13	8.8	8.7	3.0	2.6
10	18	27	e21	e24	e30	e17	1410	12	7.3	22	3.2	2.3
11	12	23	e21	e23	e49	e17	1260	11	7.0	42	2.9	2.1
12	10	23	e24	e23	e45	e17	1140	16	7.7	60	3.0	1.9
13	8.9	24	e33	e21	e32	e17	1240	25	7.2	66	2.7	1.9
14	7.5	23	e29	e20	e30	e17	1030	19	6.4	45	2.7	1.8
15	6.8	21	e26	e20	e28	e18	657	16	5.6	28	2.6	1.7
16	7.3	18	e50	e19	e26	e19	392	14	5.3	21	2.4	1.6
17	13	17	338	e18	e25	e20	285	14	16	18	2.6	1.5
18	21	16	789	e18	e24	e22	202	12	32	15	2.6	1.5
19	38	15	740	e18	e23	e23	143	11	17	12	3.0	1.6
20	32	18	515	e18	e22	e24	111	10	9.3	10	3.0	1.7
21	22	18	e390	e17	e21	e26	96	9.5	7.5	8.7	3.9	2.4
22	17	18	e270	e16	e20	e28	94	8.6	7.0	7.2	3.4	4.0
23	13	17	e170	e16	e20	e30	87	8.8	6.9	5.8	3.0	4.8
24	11	17	e115	e16	e20	e46	76	10	12	5.0	2.7	3.4
25	10	22	e75	e16	e20	e42	64	12	15	4.6	2.6	3.1
26	9.8	253	e65	e16	e20	e38	54	10	11	4.0	2.3	3.7
27	10	275	e57	e15	e19	e42	47	10	9.2	4.5	2.5	4.0
28	9.3	220	e51	e15	e19	e45	40	16	7.9	3.5	2.4	3.2
29	9.3	145	e45	e15	---	e48	34	17	6.6	3.1	4.0	2.8
30	9.7	88	e42	e15	---	e52	30	13	8.4	3.0	4.4	2.5
31	11	---	e35	e16	---	e62	---	13	---	3.0	3.6	---
TOTAL	397.4	1444.0	4320	646	650	828	11319	469.9	382.1	558.2	94.0	90.7
MEAN	12.8	48.1	139	20.8	23.2	26.7	377	15.2	12.7	18.0	3.03	3.02
MAX	38	275	789	32	49	62	1410	28	35	66	4.4	5.4
MIN	3.9	8.5	21	15	16	17	30	8.6	5.3	3.0	2.3	1.5
CFSM	.22	.84	2.44	.36	.41	.47	6.61	.27	.22	.32	.05	.05
IN.	.26	.94	2.81	.42	.42	.54	7.37	.31	.25	.36	.06	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	50.3	70.3	71.0	81.2	48.6	107	169	62.4	30.8	22.5	24.5	18.2
MAX	178	174	226	259	153	193	377	203	127	123	107	58.7
(WY)	1991	1991	1997	1996	2000	1990	2001	1996	1998	1998	1990	1998
MIN	5.73	19.2	24.2	20.8	18.0	26.7	34.8	15.2	4.16	2.83	1.61	3.02
(WY)	1995	1995	1996	2001	1992	2001	1995	2001	1995	1999	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	30281.0		21199.3			
ANNUAL MEAN	82.7		58.1		61.7	
HIGHEST ANNUAL MEAN					103	1996
LOWEST ANNUAL MEAN					28.7	1995
HIGHEST DAILY MEAN	1460	Feb 28	1410	Apr 10	1620	Jan 9 1998
LOWEST DAILY MEAN	3.1	Jul 8	a 1.5	Sep 17	.96	Aug 4 1999
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 28	1.6	Sep 14	1.1	Jul 31 1999
MAXIMUM PEAK FLOW			1550	Apr 10	b 2210	Jan 20 1996
MAXIMUM PEAK STAGE			4.85	Apr 10	c 5.77	Feb 27 2000
INSTANTANEOUS LOW FLOW			1.4	Sep 17	.88	Aug 4 1999
ANNUAL RUNOFF (CFSM)	1.45		1.02		1.08	
ANNUAL RUNOFF (INCHES)	19.73		13.81		14.68	
10 PERCENT EXCEEDS	248		82		152	
50 PERCENT EXCEEDS	22		17		24	
90 PERCENT EXCEEDS	4.9		3.1		4.8	

a Also occurred on September 18.
b From rating curve extended above 920 ft^3/s.
c Ice Jam.
e Estimated.

04282780 LEWIS CREEK NEAR NORTH FERRISBURG, VT

LOCATION (REVISED).--Lat 44°14'57", long 73°13'44", Addison County, Hydrologic Unit 02010002, on right bank, 100 ft upstream of US 7 Highway bridge, 1.1 mi southwest of Four Winds Road and Hollow Road intersection in North Ferrisburg, 1.2 mi south of Mount Philo Peak, and 5.7 mi north of Town Hall in Vergennes.
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 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)
Dec. 17	----	2,350	Ice Jam	Apr. 13	1500	* 2,750	5.10
Dec. 17	1515	Unknown	5.12	Apr. 23	0330	1,310	4.22

Minimum discharge, 6.2 ft^3/s, September 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	29	102	e72	e42	e40	e60	83	42	60	10	18
2	17	28	e78	e68	e40	e39	e59	74	43	58	9.5	17
3	16	27	e68	e65	e38	e38	e58	66	51	35	9.5	13
4	16	27	e63	e63	e37	e39	e64	58	59	29	11	11
5	17	35	e66	e60	e36	e39	e115	53	61	27	10	14
6	26	64	e58	e58	e36	e40	e152	48	48	24	9.3	13
7	34	53	e52	e57	e38	e41	e190	44	38	21	9.1	11
8	41	47	e41	e56	e39	e40	e400	41	32	20	9.0	11
9	47	43	e39	e54	e46	e38	e630	38	29	27	8.8	9.3
10	38	48	e41	e52	e69	e39	e820	36	26	56	9.5	8.6
11	34	65	e45	e51	e74	e38	e760	33	25	51	11	8.2
12	31	62	e61	e49	e78	e37	e1630	42	24	44	9.8	8.0
13	29	54	e49	e47	e74	e38	e2250	58	23	42	9.0	7.3
14	27	56	e44	e46	e68	e39	e1250	45	21	39	8.3	7.9
15	25	157	e42	e44	e63	e40	e660	38	20	40	7.7	7.5
16	25	100	e43	e43	e58	e41	e500	35	19	32	7.4	7.0
17	32	77	e930	e42	e55	e42	e420	33	38	28	9.4	6.9
18	35	66	e720	e41	e52	e42	e350	31	37	28	11	6.8
19	54	57	e400	e40	e50	e43	e300	30	26	24	9.9	6.8
20	43	52	e200	e39	e49	e50	e280	29	22	21	11	6.9
21	38	48	e173	e38	e48	e58	385	28	20	19	15	10
22	34	45	e154	e38	e46	e65	772	26	19	18	14	16
23	31	46	e137	e37	e45	e72	801	26	19	17	11	12
24	29	62	e130	e37	e45	e64	583	28	29	16	9.5	9.8
25	28	80	e123	e36	e46	e61	343	27	26	15	8.9	10
26	27	70	e112	e35	e46	e57	212	24	22	14	8.1	13
27	26	201	e103	e35	e43	e55	168	28	19	13	13	13
28	25	235	e95	e34	e42	e56	139	41	17	12	15	11
29	25	158	e88	e35	---	e56	112	35	16	11	17	11
30	26	126	e84	e38	---	e56	95	30	18	11	16	10
31	28	---	e78	e42	---	e64	---	43	---	10	13	---
TOTAL	920	2218	4419	1452	1403	1467	14558	1251	889	862	330.7	315.0
MEAN	29.7	73.9	143	46.8	50.1	47.3	485	40.4	29.6	27.8	10.7	10.5
MAX	54	235	930	72	78	72	2250	83	61	60	17	18
MIN	16	27	39	34	36	37	58	24	16	10	7.4	6.8
CFSM	.38	.96	1.85	.61	.65	.61	6.29	.52	.38	.36	.14	.14
IN.	.44	1.07	2.13	.70	.68	.71	7.01	.60	.43	.42	.16	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	83.6	107	115	114	96.4	174	266	121	57.2	44.9	40.1	37.3
MAX	247	238	300	259	251	299	485	349	151	182	139	92.0
(WY)	1991	1991	1997	1996	2000	1999	2001	1996	1996	1998	1990	1998
MIN	22.6	47.5	41.6	42.1	32.8	47.3	77.1	40.4	15.7	9.98	7.44	10.5
(WY)	1995	1995	1993	1993	1993	2001	1995	2001	1995	1999	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	47751		30084.7			
ANNUAL MEAN	130		82.4		103	
HIGHEST ANNUAL MEAN					152	1996
LOWEST ANNUAL MEAN					54.2	1995
HIGHEST DAILY MEAN	e 2500	Feb 28	e 2250	Apr 13	e 2500	Feb 28 2000
LOWEST DAILY MEAN	15	Sep 10	a 6.8	Sep 18	4.2	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	16	Sep 27	7.1	Sep 14	4.5	Aug 31 1999
MAXIMUM PEAK FLOW			b 2750	Apr 13	b 3380	Feb 28 2000
MAXIMUM PEAK STAGE			c 5.12	Dec 17	c 6.20	Feb 22 1997
INSTANTANEOUS LOW FLOW			6.2	Sep 20	d 4.0	Sep 3 1999
ANNUAL RUNOFF (CFSM)	1.69		1.07		1.34	
ANNUAL RUNOFF (INCHES)	23.01		14.50		18.14	
10 PERCENT EXCEEDS	307		124		226	
50 PERCENT EXCEEDS	48		39		57	
90 PERCENT EXCEEDS	19		11		17	

a Also occurred on September 19.
b From rating curve extended above 550 ft^3/s.
c Ice Jam.
d Also occurred on September 4, 5, 1999.
e Estimated.

04282795 LAPLATTE RIVER AT SHELBURNE FALLS, VT

LOCATION (REVISED).--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 Falls Road bridge, 500 ft southwest of Falls Road and Thomas Road intersection in Shelburne Falls, 0.8 mi southeast of Town Hall in Shelburne, 3.4 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)
Dec. 18	----	1,050	Ice Jam	Apr. 9	1830	* 1,330	5.71
Dec. 18	0330	Unknown	* 6.03				

Minimum discharge, 0.32 ft^3/s, August 15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	12	62	e23	e19	e15	e66	26	15	7.7	1.0	6.8
2	5.0	11	e45	e22	e17	e15	e81	24	17	9.3	.82	5.5
3	4.7	10	e38	e20	e15	e16	e94	23	22	6.4	.75	3.5
4	4.7	9.6	e29	e20	e14	e15	e108	22	24	5.1	.74	2.9
5	5.0	14	e24	e19	e14	e16	e141	19	22	5.3	.75	2.9
6	11	28	e20	e19	e16	e15	e203	17	16	4.7	.75	2.8
7	15	19	e18	e18	e16	e16	e250	15	12	4.3	.86	2.4
8	21	15	e16	e18	e17	e18	e480	13	10	4.2	.75	1.9
9	21	13	e15	e18	e21	e17	1130	12	8.4	6.3	.72	1.8
10	14	18	e14	e17	e24	e16	933	12	7.3	11	1.6	1.7
11	11	28	e14	e17	e29	e15	837	11	6.7	8.0	1.7	2.0
12	11	27	e26	e18	e42	e16	915	16	6.7	7.6	1.1	1.4
13	10	23	e32	e19	e32	e16	970	48	6.6	6.6	.82	1.2
14	9.0	21	e23	e18	e28	e17	591	24	5.8	6.3	.75	1.3
15	8.5	112	e18	e17	e24	e16	398	18	5.4	6.7	.57	1.4
16	7.8	63	e23	e17	e23	e17	281	15	5.4	5.2	.58	1.4
17	8.5	38	e400	e17	e22	e18	216	14	13	4.3	1.8	1.5
18	10	30	e590	e16	e21	e18	166	12	12	4.1	1.6	1.5
19	19	24	e165	e16	e20	e19	125	13	8.5	3.7	1.8	1.5
20	15	21	e86	e15	e19	e21	106	12	7.1	3.2	2.1	1.6
21	12	19	e64	e16	e19	e22	110	11	5.9	3.0	3.9	3.1
22	11	18	e54	e15	e18	e28	143	9.7	5.0	2.8	3.0	3.5
23	10	19	e47	e16	e17	e47	128	9.8	6.2	2.5	2.2	3.7
24	10	23	e41	e15	e16	e54	97	10	8.2	2.4	1.7	3.4
25	9.7	16	e34	e15	e16	e48	77	9.7	7.6	2.4	1.3	4.6
26	9.2	23	e29	e14	e17	e44	62	8.5	6.2	1.7	1.3	4.7
27	8.6	142	e25	e14	e16	e45	50	9.7	5.1	1.4	2.0	5.1
28	8.7	151	e22	e14	e15	e46	41	17	4.5	1.4	2.6	4.8
29	9.0	105	e22	e15	---	e49	33	19	4.3	1.4	3.5	4.6
30	9.8	80	e22	e15	---	e54	29	14	4.8	1.2	3.2	4.3
31	12	---	e23	e17	---	e59	---	19	---	1.2	2.8	---
TOTAL	326.3	1132.6	2041	530	567	828	8861	503.4	288.7	141.4	49.06	88.8
MEAN	10.5	37.8	65.8	17.1	20.2	26.7	295	16.2	9.62	4.56	1.58	2.96
MAX	21	151	590	23	42	59	1130	48	24	11	3.9	6.8
MIN	4.7	9.6	14	14	14	15	29	8.5	4.3	1.2	.57	1.2
CFSM	.24	.85	1.48	.38	.45	.60	6.62	.36	.22	.10	.04	.07
IN.	.27	.94	1.70	.44	.47	.69	7.39	.42	.24	.12	.04	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	34.6	53.3	48.4	50.6	35.3	72.9	135	54.8	23.4	22.8	20.5	12.6
MAX	113	135	150	159	106	122	295	181	79.4	146	99.7	60.4
(WY)	1991	1991	1997	1996	2000	1999	2001	1996	1996	1998	1990	1998
MIN	3.97	11.1	16.5	14.0	8.61	26.7	28.8	15.0	4.86	1.69	1.58	2.62
(WY)	1995	1995	1993	1993	1993	2001	1995	1998	1999	1995	2001	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	21498.7		15357.26			
ANNUAL MEAN	58.7		42.1		46.3	
HIGHEST ANNUAL MEAN					70.7	1996
LOWEST ANNUAL MEAN					21.8	1995
HIGHEST DAILY MEAN	1250	Feb 28	1130	Apr 9	1410	Dec 2 1996
LOWEST DAILY MEAN	3.2	Aug 31	.57	Aug 15	.23	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	4.3	Jul 23	.76	Aug 3	.33	Aug 31 1995
MAXIMUM PEAK FLOW			1330	Apr 9	a 2640	Jan 19 1996
MAXIMUM PEAK STAGE			b 6.03	Dec 18	9.50	Feb 20 1994
INSTANTANEOUS LOW FLOW			c .32	Aug 15	.18	Sep 3 1995
ANNUAL RUNOFF (CFSM)	1.32		.94		1.04	
ANNUAL RUNOFF (INCHES)	17.93		12.81		14.11	
10 PERCENT EXCEEDS	150		62		109	
50 PERCENT EXCEEDS	18		15		18	
90 PERCENT EXCEEDS	5.3		1.8		3.6	

a From rating curve extended above 750 ft^3/s.
b Ice Jam.
c Also occurred August 16.
e Estimated.

04282815 ENGLESBY BROOK AT BURLINGTON, VT

LOCATION.--Lat 44°27'28", long 73°13'11", Chittenden County, Hydrologic Unit 02010003, on right bank, 125 ft downstream from Vermont Railroad culvert, 0.25 mi upstream from mouth, 0.35 mi downstream from Pine Street culvert, 0.8 mi northwest from junction of US 7 and Interstate 189, 1.3 mi south of City Hall in Burlington.
DRAINAGE AREA.-- About 0.9 mi^2, revised. Drainage area affected by stormwater diversions.
PERIOD OF RECORD.--Discharge 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)
Dec. 17	1455	48	3.52	Aug. 31	1725	* 89	* 4.15
June 30	1210	61	3.75				

Minimum daily discharge, 0.00 ft^3/s, October 1-4, June 27-29, July 7, 15-31, August 1-16, 18, 24-26, September 8-19, 22-24, 27-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.03	.27	.15	.09	.11	1.5	.29	.05	.28	e.00	2.0
2	.00	.03	.16	.13	.07	.11	1.7	.26	.49	.02	e.00	.06
3	.00	.03	.09	.12	.05	.09	2.1	.21	.97	.01	e.00	.01
4	.00	.03	.08	.12	.03	.07	3.2	.18	.37	.01	e.00	.47
5	.24	.52	.08	.12	.04	.08	4.3	.11	.20	.01	e.00	.12
6	.68	.18	e.04	.12	.08	.12	4.1	.08	.12	.01	e.00	1.0
7	.18	.06	e.04	.12	.08	.17	5.0	.07	.08	.00	.00	.01
8	.65	.04	.01	.13	.06	.19	11	.05	.02	.01	.00	.00
9	.07	.03	.01	.12	e.50	.26	11	.13	.02	.06	.00	.00
10	.03	.45	.01	.10	e2.8	.49	9.2	.09	.01	.08	.00	.00
11	.01	.44	.01	.10	e1.0	.21	8.0	.05	.01	.01	.00	.00
12	.01	.17	e.70	.09	e.75	.19	8.2	1.1	.01	.03	.00	.00
13	.01	.08	e.20	.07	.54	.30	5.5	.44	.01	.01	.00	.00
14	.01	1.5	.13	.07	.36	.54	2.7	.17	.01	.01	.00	.00
15	.01	1.1	e.13	.08	.51	.83	1.8	.10	.01	.00	.00	.00
16	.02	.30	.21	.11	.28	.53	1.5	.08	.20	.00	.00	.00
17	.02	.16	13	.08	.21	.38	1.1	.05	.79	.00	.09	.00
18	.35	.11	2.3	.06	.19	.31	.96	.04	.04	.00	.00	.00
19	.04	.11	1.1	.08	.17	.50	.82	.27	.01	.00	.42	.00
20	.02	.09	.75	.06	.22	.63	.71	.06	.01	.00	.47	.02
21	.02	.12	.50	.05	.19	.71	.69	.03	.01	.00	.35	.02
22	.02	.09	.34	.04	.14	1.9	1.1	.02	.01	.00	.04	.00
23	.02	.05	.25	.04	.13	1.6	.68	.09	.51	.00	.01	.00
24	.03	.03	.21	.05	.11	1.5	.61	.10	.18	.00	.00	.00
25	.03	.03	.19	.05	.26	.99	.46	.03	.02	e.00	.00	.11
26	.03	1.1	.15	.05	.67	.79	.41	.02	.01	e.00	.00	.02
27	.03	1.3	.15	.04	.22	.67	.41	.04	.00	e.00	.16	.00
28	.04	.66	.13	.04	.15	.65	.32	1.4	.00	e.00	.74	.00
29	.05	.54	.12	.22	---	.72	.29	.55	.00	e.00	.12	.00
30	.04	.34	.13	.21	---	1.5	.29	.29	2.3	e.00	.01	.00
31	.03	---	.16	.12	---	1.6	---	.26	---	e.00	4.2	---
TOTAL	2.69	9.72	21.65	2.94	9.90	18.74	89.65	6.66	6.47	0.55	6.61	3.84
MEAN	.087	.32	.70	.095	.35	.60	2.99	.21	.22	.018	.21	.13
MAX	.68	1.5	13	.22	2.8	1.9	11	1.4	2.3	.28	4.2	2.0
MIN	.00	.03	.01	.04	.03	.07	.29	.02	.00	.00	.00	.00
CFSM	.14	.54	1.16	.16	.59	1.01	4.98	.36	.36	.03	.36	.21
IN.	.17	.60	1.34	.18	.61	1.16	5.56	.41	.40	.03	.41	.24

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

MEAN	.34	.36	.50	.20	.98	.67	2.57	1.17	.32	.25	.22	.17
MAX	.60	.39	.70	.31	1.59	.74	2.99	2.13	.43	.48	.36	.22
(WY)	2000	2000	2001	2000	2000	2000	2001	2000	2000	2000	2000	2000
MIN	.087	.32	.30	.095	.35	.60	2.14	.21	.22	.018	.087	.13
(WY)	2001	2001	2000	2001	2001	2001	2000	2001	2001	2001	1999	2001

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1999 - 2001**	
ANNUAL TOTAL	288.65		179.42			
ANNUAL MEAN	.79		.49		.65	
HIGHEST ANNUAL MEAN					.80	2000
LOWEST ANNUAL MEAN					.49	2001
HIGHEST DAILY MEAN	16	May 9	13	Dec 17	16	May 9 2000
LOWEST DAILY MEAN	.00	Jan 17	a .00	Oct 1	b .00	Jul 15 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 17	.00	Jul 15	c .00	Jul 15 1999
MAXIMUM PEAK FLOW			d 89	Aug 31	d 158	Jul 18 2000
MAXIMUM PEAK STAGE			4.15	Aug 31	4.84	Jul 18 2000
10 PERCENT EXCEEDS	1.8		1.0		1.5	
50 PERCENT EXCEEDS	.17		.09		.12	
90 PERCENT EXCEEDS	.00		.00		.00	

a Also occurred on October 2-4, 2000, June 27-29, 2001, July 7, 15-31, 2001, August 1-16, 18, 24-26, 2001, September 8-19, 22-24, 27-30, 2001.
b Also occurred on October 1-4, 2000, June 27-29, 2001, July 7, 15-31, 2001, August 1-16, 18, 24-26, 2001, September 8-19, 22-24, 27-30, 2001.
c Also occurred on July 15, 2001.
d From rating curve extended above 25 ft^3/s on basis of culvert computation.
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 August 2000.
pH: October 1999 to current year.
TURBIDITY: October 1999 to September 2000.
INSTRUMENTATION.--Water quality monitor July 1999 to current year.
REMARKS.--Specific conductance records rated good. Water temperature records rated excellent except for the period November 29 to December 9, and March 7 to April 2, which are rated good. pH records rated good except for the periods June 11 to June 29, which are 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 4,390 microsiemens March 30; minimum 156 microsiemens June 30.
WATER TEMPERATURE: Maximum 72.4°F June 30; minimum 31.4°F February 25.
pH: Maximum 7.9 units October 8, March 23, May 13; minimum 6.6 units July 3,4.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	1670	1470	1590	888	838	862	---	---	---
2	---	---	---	1780	1670	1740	961	888	922	---	---	---
3	---	---	---	1830	1780	1810	1050	961	1020	---	---	---
4	---	---	---	1830	1760	1800	1090	1050	1080	---	---	---
5	2350	263	1990	1840	459	1320	1080	1070	1070	---	---	---
6	929	296	650	1040	907	1010	1200	1070	1150	---	---	---
7	1250	337	1010	1160	1020	1100	1190	1040	1090	---	---	---
8	886	283	622	1350	1160	1270	1510	1120	1320	---	---	---
9	1140	886	1010	1450	1350	1410	1660	1510	1590	---	---	---
10	1210	1060	1110	1500	568	1000	1740	1660	1710	---	---	---
11	1770	1200	1480	939	688	859	1790	1740	1770	---	---	---
12	2090	1770	1920	1010	879	959	---	---	---	---	---	---
13	2140	1870	1980	1210	1010	1080	---	---	---	---	---	---
14	2160	1930	2070	1310	255	1060	---	---	---	---	---	---
15	2290	2000	2110	778	672	721	---	---	---	---	---	---
16	2430	2280	2340	882	778	827	---	---	---	---	---	---
17	2420	2280	2360	930	882	914	---	---	---	---	---	---
18	2480	295	1280	991	918	955	---	---	---	---	---	---
19	1250	815	1100	1010	990	1000	---	---	---	---	---	---
20	1630	1250	1380	1050	1000	1020	---	---	---	---	---	---
21	1930	1600	1750	1100	1040	1080	---	---	---	---	---	---
22	1950	1790	1860	1760	1000	1150	---	---	---	---	---	---
23	1920	1790	1860	2100	1760	1990	---	---	---	---	---	---
24	1900	1850	1880	1780	1490	1590	---	---	---	---	---	---
25	1930	1900	1910	1490	1370	1430	---	---	---	---	---	---
26	2070	1910	1940	1370	275	1030	---	---	---	---	---	---
27	2090	1980	2040	834	631	698	---	---	---	---	---	---
28	2120	2020	2080	789	689	743	---	---	---	---	---	---
29	2130	2060	2100	805	645	746	---	---	---	---	---	---
30	2080	1460	1870	848	805	831	---	---	---	---	---	---
31	1470	1250	1360	---	---	---	---	---	---	---	---	---
MONTH	2480	263	1670	2100	255	1160	---	---	---	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	2270	1520	1990	1090	967	1050
2	---	---	---	---	---	---	1940	1410	1720	1100	1040	1080
3	---	---	---	---	---	---	1720	1170	1530	1130	1060	1110
4	---	---	---	---	---	---	1560	1000	1350	1180	1110	1140
5	---	---	---	---	---	---	1290	883	1130	1180	1140	1160
6	---	---	---	---	---	---	1100	981	1060	1220	1160	1190
7	---	---	---	---	---	---	1080	840	958	1260	1200	1210
8	---	---	---	---	---	---	927	536	676	1310	1230	1270
9	---	---	---	---	---	---	590	512	550	1340	1070	1260
10	---	---	---	---	---	---	600	463	540	1460	1210	1380
11	---	---	---	---	---	---	580	454	520	1580	1460	1490
12	---	---	---	---	---	---	569	484	517	1600	399	1210
13	---	---	---	---	---	---	583	513	539	1260	928	1200
14	---	---	---	---	---	---	695	579	655	1260	1210	1230
15	---	---	---	---	---	---	766	717	733	1300	1260	1280
16	---	---	---	---	---	---	797	750	771	1370	1290	1330
17	---	---	---	---	---	---	831	787	810	1530	1370	1420
18	---	---	---	---	---	---	960	824	891	1570	1510	1540
19	---	---	---	---	---	---	972	957	962	1530	476	994
20	---	---	---	---	---	---	992	964	980	1480	1270	1370
21	---	---	---	---	---	---	995	963	979	1590	1480	1550
22	---	---	---	---	---	---	1000	619	932	1650	1580	1620
23	---	---	---	---	---	---	1000	972	990	1690	866	1540
24	---	---	---	---	---	---	1120	995	1040	1290	812	1060
25	---	---	---	---	---	---	1120	1070	1090	1590	1280	1450
26	---	---	---	---	---	---	1110	1060	1080	1660	1560	1610
27	---	---	---	2120	2010	2060	1090	1010	1060	1670	1160	1450
28	---	---	---	2040	1770	1970	1110	1020	1060	1510	320	730
29	---	---	---	2030	1690	1910	1080	1020	1060	1360	1180	1290
30	---	---	---	4390	1210	2020	1080	1010	1050	1270	703	1180
31	---	---	---	3600	1990	2490	---	---	---	1320	734	1070
MONTH	---	---	---	---	---	---	2270	454	974	1690	320	1270

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1440	1300	1350	1300	472	966	---	---	---	---	---	---
2	1340	426	937	1550	991	1350	---	---	---	---	---	---
3	1270	234	1000	1720	1520	1620	---	---	---	---	---	---
4	1190	960	1060	1880	1700	1780	---	---	---	---	---	---
5	1150	992	1070	1920	1790	1850	---	---	---	---	---	---
6	1240	1100	1170	2040	1890	1950	---	---	---	---	---	---
7	1320	1180	1220	---	---	---	---	---	---	---	---	---
8	1540	1320	1480	2160	1640	1800	---	---	---	---	---	---
9	1650	1520	1600	1970	733	1500	---	---	---	---	---	---
10	1810	1590	1730	1550	500	1070	---	---	---	---	---	---
11	1820	1640	1770	1820	1520	1690	---	---	---	---	---	---
12	1740	1670	1720	1820	935	1310	---	---	---	---	---	---
13	1800	1740	1760	1690	1380	1560	---	---	---	---	---	---
14	1890	1750	1810	1830	1620	1710	---	---	---	---	---	---
15	1990	1830	1890	---	---	---	---	---	---	---	---	---
16	1990	344	1680	---	---	---	---	---	---	---	---	---
17	1340	360	974	---	---	---	---	---	---	---	---	---
18	1590	1340	1420	---	---	---	---	---	---	---	---	---
19	1660	1540	1590	---	---	---	---	---	---	---	---	---
20	1720	1610	1670	---	---	---	---	---	---	---	---	---
21	1770	1670	1740	---	---	---	---	---	---	---	---	---
22	1800	1720	1770	---	---	---	---	---	---	---	---	---
23	1790	424	1330	---	---	---	---	---	---	---	---	---
24	1260	583	1120	---	---	---	---	---	---	---	---	---
25	1520	1260	1390	---	---	---	---	---	---	---	---	---
26	1680	1520	1610	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	2020	156	1390	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	2020	156	1450	---	---	---	---	---	---	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, (DEGREES) FAHRENHEIT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	43.2	40.9	42.0	38.7	34.7	37.0	---	---	---
2	---	---	---	43.0	39.8	41.4	36.1	34.4	35.0	---	---	---
3	---	---	---	44.3	40.1	42.0	35.8	34.2	34.7	---	---	---
4	---	---	---	46.1	44.0	44.8	36.3	34.2	34.9	---	---	---
5	54.5	52.5	53.2	46.2	44.7	45.7	35.9	34.3	34.9	---	---	---
6	54.9	52.8	53.9	45.2	43.8	44.5	36.2	34.0	34.9	---	---	---
7	52.8	50.1	51.7	46.9	44.8	45.9	34.4	33.3	33.7	---	---	---
8	50.4	46.6	48.4	47.7	46.2	46.9	35.7	33.3	34.4	---	---	---
9	48.1	46.0	47.0	48.4	46.8	47.6	35.3	34.0	34.4	---	---	---
10	47.1	44.3	46.1	50.6	48.4	49.6	34.9	33.5	34.1	---	---	---
11	50.8	45.3	47.8	49.9	46.8	49.1	35.9	34.2	35.1	---	---	---
12	51.4	47.0	49.3	46.8	44.8	45.4	---	---	---	---	---	---
13	53.1	49.0	51.0	46.0	44.8	45.4	---	---	---	---	---	---
14	56.3	52.8	54.4	47.7	45.2	46.0	---	---	---	---	---	---
15	55.7	50.8	53.8	45.2	43.0	43.9	---	---	---	---	---	---
16	50.8	49.6	50.1	44.4	42.8	43.4	---	---	---	---	---	---
17	53.4	49.0	51.4	43.7	40.6	42.6	---	---	---	---	---	---
18	53.2	51.3	52.3	41.5	39.8	40.4	---	---	---	---	---	---
19	53.1	50.4	51.8	41.2	39.6	40.4	---	---	---	---	---	---
20	51.5	47.1	49.5	40.3	39.1	39.6	---	---	---	---	---	---
21	54.2	50.3	51.9	39.6	37.9	38.8	---	---	---	---	---	---
22	50.3	44.0	47.3	39.8	35.7	38.2	---	---	---	---	---	---
23	44.7	42.1	43.4	38.4	35.3	36.7	---	---	---	---	---	---
24	48.1	43.8	45.7	38.7	36.4	37.3	---	---	---	---	---	---
25	49.7	47.1	48.4	38.6	36.4	37.3	---	---	---	---	---	---
26	52.1	48.0	49.3	37.2	32.9	35.9	---	---	---	---	---	---
27	55.1	51.3	53.3	40.0	35.8	38.8	---	---	---	---	---	---
28	54.3	42.6	47.4	41.1	38.9	40.0	---	---	---	---	---	---
29	42.8	37.4	39.2	41.1	40.0	40.5	---	---	---	---	---	---
30	41.8	35.7	38.1	40.1	38.7	39.4	---	---	---	---	---	---
31	42.7	41.8	42.2	---	---	---	---	---	---	---	---	---
MONTH	56.3	35.7	48.8	50.6	32.9	42.3	---	---	---	---	---	---

WATER TEMPERATURE, (DEGREES) FAHRENHEIT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	32.6	32.2	32.4	40.5	34.2	36.1	64.5	47.5	55.3
2	---	---	---	32.9	32.2	32.4	40.4	34.0	36.0	63.7	50.9	57.2
3	---	---	---	32.9	32.2	32.4	40.3	33.7	35.9	67.3	53.5	60.0
4	---	---	---	32.9	32.2	32.5	40.5	33.4	35.6	62.5	54.7	58.6
5	---	---	---	32.6	32.3	32.5	40.9	33.3	35.7	60.6	49.8	54.9
6	---	---	---	32.4	32.3	32.4	36.8	34.3	35.6	58.0	46.8	52.2
7	---	---	---	32.4	32.0	32.3	40.0	34.7	36.5	59.4	48.2	53.2
8	---	---	---	32.5	32.0	32.2	37.6	34.4	35.8	62.2	49.0	54.0
9	---	---	---	32.5	32.1	32.3	39.8	34.6	36.2	59.2	49.8	54.5
10	---	---	---	32.3	31.7	32.1	41.4	35.0	36.8	61.8	51.6	55.8
11	---	---	---	32.6	32.2	32.4	43.0	34.5	37.7	62.6	51.4	56.3
12	---	---	---	32.6	32.2	32.4	39.4	36.8	38.0	60.9	51.7	54.7
13	---	---	---	32.7	31.8	32.3	41.8	37.6	39.5	56.5	50.6	53.4
14	---	---	---	32.6	32.1	32.3	47.1	37.2	41.1	57.0	48.3	52.5
15	---	---	---	32.9	32.1	32.5	48.3	37.2	41.7	53.5	48.5	51.0
16	32.6	32.1	32.4	33.5	32.4	32.9	48.8	37.0	42.1	55.5	49.4	52.4
17	32.9	32.3	32.6	34.1	32.5	33.3	47.6	38.1	41.9	58.0	50.6	53.7
18	32.5	32.2	32.4	34.9	32.8	33.9	48.0	36.1	41.1	56.1	50.9	52.8
19	32.7	32.4	32.5	35.6	33.1	34.4	49.6	36.5	42.1	58.2	52.0	55.9
20	32.9	32.2	32.5	36.2	32.8	34.5	52.8	36.9	44.3	58.2	51.3	54.6
21	32.9	32.3	32.5	36.7	32.3	34.6	55.0	40.9	48.1	60.8	51.8	55.2
22	32.8	32.2	32.4	33.1	32.2	32.5	57.2	48.5	52.4	55.4	51.9	53.3
23	33.0	32.4	32.6	34.4	32.7	33.3	59.4	44.8	52.1	55.5	51.4	52.9
24	32.7	32.3	32.4	37.5	33.2	34.8	---	---	---	56.8	53.5	54.9
25	32.6	31.4	32.3	38.2	32.5	34.6	53.4	43.9	48.1	58.9	53.0	55.4
26	32.2	31.6	32.0	38.6	32.2	34.3	58.5	41.9	49.4	59.2	52.5	55.1
27	32.8	32.2	32.3	36.5	32.2	33.9	58.0	45.4	49.9	57.4	52.4	54.9
28	32.6	32.2	32.4	40.1	33.5	35.9	55.1	41.8	47.3	59.5	53.0	57.3
29	---	---	---	40.1	32.4	35.7	56.7	40.6	47.9	57.2	53.1	55.9
30	---	---	---	35.4	33.1	34.3	57.9	43.1	49.6	53.2	49.0	51.5
31	---	---	---	36.5	33.4	35.1	---	---	---	54.7	49.0	51.7
MONTH	---	---	---	40.1	31.7	33.3	59.4	33.3	41.9	67.3	46.8	54.6

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

WATER TEMPERATURE, (DEGREES) FAHRENHEIT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	56.1	49.0	53.0	69.4	62.2	66.1	---	---	---	---	---	---
2	56.0	54.0	55.0	63.7	57.4	60.1	---	---	---	---	---	---
3	63.3	54.3	57.2	60.8	56.6	58.9	---	---	---	---	---	---
4	59.1	55.2	56.7	66.4	58.2	62.5	---	---	---	---	---	---
5	57.9	55.5	56.7	65.7	61.4	63.2	---	---	---	---	---	---
6	60.3	55.2	57.8	62.1	58.5	60.4	---	---	---	---	---	---
7	60.1	54.5	57.5	---	---	---	---	---	---	---	---	---
8	61.5	52.5	56.0	63.2	59.5	61.5	---	---	---	---	---	---
9	60.8	52.4	56.1	68.4	60.3	63.8	---	---	---	---	---	---
10	61.5	53.5	57.1	66.8	61.4	64.2	---	---	---	---	---	---
11	56.8	54.4	55.4	64.2	59.8	61.6	---	---	---	---	---	---
12	61.2	53.8	57.2	63.6	57.9	61.1	---	---	---	---	---	---
13	64.4	55.5	59.4	62.2	59.2	60.7	---	---	---	---	---	---
14	66.4	57.6	61.8	63.8	59.1	61.5	---	---	---	---	---	---
15	69.0	59.9	64.4	---	---	---	---	---	---	---	---	---
16	72.1	61.1	67.2	---	---	---	---	---	---	---	---	---
17	71.4	65.3	68.2	---	---	---	---	---	---	---	---	---
18	67.3	61.1	64.3	---	---	---	---	---	---	---	---	---
19	68.2	59.5	63.6	---	---	---	---	---	---	---	---	---
20	64.9	60.7	63.0	---	---	---	---	---	---	---	---	---
21	64.5	58.4	61.5	---	---	---	---	---	---	---	---	---
22	63.7	59.4	61.4	---	---	---	---	---	---	---	---	---
23	64.8	59.7	61.5	---	---	---	---	---	---	---	---	---
24	63.5	61.0	62.2	---	---	---	---	---	---	---	---	---
25	66.4	59.8	62.3	---	---	---	---	---	---	---	---	---
26	67.4	59.0	63.1	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	72.4	61.9	66.3	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	72.4	49.0	60.2	---	---	---	---	---	---	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	7.2	7.2	7.2	7.5	7.5	7.5	---	---	---
2	---	---	---	7.2	7.2	7.2	7.5	7.4	7.5	---	---	---
3	---	---	---	7.2	7.2	7.2	7.4	7.4	7.4	---	---	---
4	---	---	---	7.3	7.1	7.2	7.4	7.3	7.4	---	---	---
5	7.8	7.4	7.5	7.4	7.1	7.3	7.4	7.3	7.4	---	---	---
6	7.8	7.5	7.7	7.4	7.3	7.4	7.4	7.3	7.4	---	---	---
7	7.8	7.5	7.5	7.3	7.2	7.3	7.4	7.3	7.4	---	---	---
8	7.9	7.5	7.7	7.2	7.2	7.2	7.4	7.2	7.3	---	---	---
9	7.6	7.5	7.6	7.3	7.2	7.2	7.2	7.2	7.2	---	---	---
10	7.6	7.5	7.5	7.4	7.0	7.2	7.2	7.1	7.2	---	---	---
11	7.5	7.4	7.5	7.5	7.2	7.3	7.2	7.1	7.1	---	---	---
12	7.4	7.3	7.4	7.5	7.4	7.4	7.5	7.1	7.3	---	---	---
13	7.3	7.2	7.3	7.4	7.2	7.3	7.4	7.4	7.4	---	---	---
14	7.3	7.3	7.3	7.6	7.2	7.3	7.4	7.3	7.3	---	---	---
15	7.4	7.3	7.3	7.6	7.5	7.5	7.4	7.3	7.4	---	---	---
16	7.4	7.3	7.3	7.5	7.3	7.4	7.5	7.3	7.3	---	---	---
17	7.3	7.2	7.3	7.4	7.2	7.4	7.6	7.2	7.4	---	---	---
18	7.4	7.2	7.3	7.4	7.3	7.3	7.5	7.3	7.4	---	---	---
19	7.3	7.1	7.2	7.3	7.2	7.3	---	---	---	---	---	---
20	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	---	---	---
21	7.2	7.1	7.2	7.3	7.2	7.2	---	---	---	---	---	---
22	7.3	7.2	7.2	7.3	7.1	7.2	---	---	---	---	---	---
23	7.3	7.2	7.2	7.3	7.2	7.2	---	---	---	---	---	---
24	7.3	7.2	7.3	7.2	7.1	7.2	---	---	---	---	---	---
25	7.3	7.2	7.3	7.2	7.2	7.2	---	---	---	---	---	---
26	7.2	7.2	7.2	7.6	7.1	7.3	---	---	---	---	---	---
27	7.3	7.2	7.2	7.6	7.5	7.5	---	---	---	---	---	---
28	7.3	7.2	7.3	7.6	7.5	7.5	---	---	---	---	---	---
29	7.3	7.3	7.3	7.5	7.4	7.5	---	---	---	---	---	---
30	7.3	7.2	7.3	7.6	7.5	7.5	---	---	---	---	---	---
31	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
MONTH	7.9	7.1	7.3	7.6	7.0	7.3	---	---	---	---	---	---

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	7.6	7.6	7.6	---	---	---	---	---	---
2	---	---	---	7.7	7.6	7.6	---	---	---	---	---	---
3	---	---	---	7.6	7.5	7.6	---	---	---	---	---	---
4	---	---	---	7.6	7.5	7.5	---	---	---	---	---	---
5	---	---	---	7.5	7.5	7.5	---	---	---	---	---	---
6	---	---	---	7.6	7.5	7.6	---	---	---	---	---	---
7	---	---	---	7.7	7.6	7.7	---	---	---	---	---	---
8	---	---	---	7.7	7.6	7.7	---	---	---	---	---	---
9	---	---	---	7.7	7.6	7.6	---	---	---	---	---	---
10	---	---	---	7.8	7.6	7.7	---	---	---	---	---	---
11	---	---	---	7.7	7.6	7.6	---	---	---	---	---	---
12	---	---	---	7.7	7.6	7.6	---	---	---	---	---	---
13	---	---	---	7.8	7.6	7.7	---	---	---	7.9	7.7	7.8
14	---	---	---	7.8	7.7	7.7	---	---	---	7.7	7.5	7.6
15	---	---	---	7.8	7.6	7.7	---	---	---	7.6	7.4	7.5
16	7.8	7.7	7.8	7.7	7.7	7.7	---	---	---	7.6	7.3	7.5
17	7.8	7.7	7.8	7.8	7.7	7.7	---	---	---	7.4	7.2	7.3
18	7.8	7.7	7.7	7.7	7.6	7.7	---	---	---	7.3	7.2	7.2
19	7.7	7.7	7.7	7.7	7.7	7.7	---	---	---	7.7	7.2	7.4
20	7.8	7.7	7.7	7.7	7.7	7.7	---	---	---	7.4	7.2	7.3
21	7.7	7.6	7.7	7.8	7.7	7.7	---	---	---	7.3	7.2	7.2
22	7.7	7.6	7.7	7.8	7.7	7.8	---	---	---	7.2	7.2	7.2
23	7.7	7.6	7.6	7.9	7.8	7.8	---	---	---	7.6	7.2	7.2
24	7.6	7.6	7.6	7.8	7.8	7.8	---	---	---	7.6	7.3	7.4
25	7.8	7.6	7.6	7.8	7.8	7.8	---	---	---	7.4	7.2	7.3
26	7.8	7.6	7.8	---	---	---	---	---	---	7.3	7.2	7.2
27	7.7	7.6	7.6	---	---	---	---	---	---	7.3	7.2	7.3
28	7.7	7.6	7.6	---	---	---	---	---	---	7.8	7.3	7.6
29	---	---	---	---	---	---	---	---	---	7.8	7.6	7.7
30	---	---	---	---	---	---	---	---	---	7.8	7.6	7.7
31	---	---	---	---	---	---	---	---	---	7.8	7.5	7.6
MONTH	---	---	---	7.9	7.5	7.7	---	---	---	---	---	---

04282815 ENGLESBY BROOK AT BURLINGTON, VT -- Continued

WATER-QUALITY RECORDS

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	7.3	7.4	7.3	6.7	6.9	---	---	---	---	---	---
2	7.7	7.3	7.5	6.9	6.7	6.7	---	---	---	---	---	---
3	7.6	7.3	7.4	6.7	6.6	6.7	---	---	---	---	---	---
4	7.6	7.4	7.5	6.8	6.6	6.7	---	---	---	---	---	---
5	7.5	7.3	7.4	6.9	6.7	6.8	---	---	---	---	---	---
6	7.4	7.3	7.3	6.9	6.7	6.8	---	---	---	---	---	---
7	7.6	7.3	7.5	---	---	---	---	---	---	---	---	---
8	7.5	7.1	7.2	6.9	6.8	6.8	---	---	---	---	---	---
9	7.2	7.0	7.1	7.2	6.8	6.9	---	---	---	---	---	---
10	7.1	7.0	7.1	7.1	6.8	6.9	---	---	---	---	---	---
11	7.3	7.1	7.1	7.0	6.9	6.9	---	---	---	---	---	---
12	7.3	7.2	7.3	7.2	6.8	7.0	---	---	---	---	---	---
13	7.3	7.1	7.2	6.8	6.8	6.8	---	---	---	---	---	---
14	7.3	7.2	7.2	6.9	6.8	6.8	---	---	---	---	---	---
15	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
16	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
17	7.3	7.2	7.3	---	---	---	---	---	---	---	---	---
18	7.3	7.2	7.3	---	---	---	---	---	---	---	---	---
19	7.5	7.2	7.3	---	---	---	---	---	---	---	---	---
20	7.5	7.4	7.4	---	---	---	---	---	---	---	---	---
21	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
22	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
23	7.7	7.4	7.5	---	---	---	---	---	---	---	---	---
24	7.6	7.5	7.6	---	---	---	---	---	---	---	---	---
25	7.6	7.5	7.5	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	7.5	7.0	7.2	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	7.7	7.0	7.3	---	---	---	---	---	---	---	---	---

04285500 NORTH BRANCH WINOOSKI RIVER AT WRIGHTSVILLE, VT

LOCATION (REVISED).--Lat 44°17'58", long 72°34'45", Washington County, Hydrologic Unit 02010003, on right bank, 0.8 mi south of Wrightsville Dam Road and State Highway 12 intersection in Wrightsville, 0.9 mi downstream from Wrightsville Detention Reservoir, 2.6 mi north of the Vermont State Capitol Building in Montpelier, and 3.5 mi upstream from mouth.
DRAINAGE AREA.--69.2 mi^2.
PERIOD OF RECORD.--Discharge records: October 1933 to current year.
REVISED RECORDS.--WSP 1237: 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 above Montpelier). Flow regulated by power plant 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, 993 ft^3/s, April 24, gage height, 3.31 ft; minimum daily discharge, 4.4 ft^3/s, October 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	35	173	e55	29	e92	50	872	85	11	8.9	8.2
2	7.8	33	88	72	e46	e67	50	831	113	32	8.7	7.8
3	4.5	37	68	54	e29	e49	47	780	160	28	8.5	7.8
4	4.4	41	57	e82	e50	e54	48	652	183	19	9.1	7.9
5	5.3	65	61	e55	e60	37	69	234	164	15	8.2	7.9
6	126	136	55	50	43	29	141	174	90	10	8.2	7.8
7	178	81	46	50	35	59	142	115	71	9.3	8.4	7.8
8	163	77	37	48	29	81	181	88	41	9.3	8.1	e7.8
9	92	76	37	41	47	27	197	85	36	9.3	8.3	e7.8
10	60	151	34	e56	64	24	390	80	28	9.3	8.1	e7.8
11	56	195	36	e80	104	94	511	49	35	12	8.1	e7.8
12	56	194	49	e72	e87	65	633	68	38	29	7.8	e7.8
13	56	158	43	e82	65	77	799	76	35	21	7.9	e7.8
14	40	105	36	e52	e103	43	815	67	32	14	8.0	e7.6
15	35	223	42	32	e44	31	818	54	28	10	8.1	e7.5
16	42	227	36	44	e52	35	786	44	29	14	7.8	e7.5
17	30	196	310	e38	e53	47	763	42	146	29	7.8	e7.6
18	89	189	864	e62	e80	34	727	28	184	21	8.0	e7.7
19	149	82	820	e50	e56	37	452	47	78	26	8.1	e7.7
20	83	72	768	e40	36	47	384	57	40	13	8.1	e7.8
21	64	66	651	e76	e32	49	612	38	26	9.0	8.1	e7.8
22	44	53	215	e66	e75	51	844	27	32	9.0	8.1	e7.8
23	43	48	e148	e77	94	52	949	27	27	9.3	7.3	e7.8
24	31	38	e157	e60	e64	79	893	27	27	9.2	7.1	e7.8
25	37	41	140	e36	e122	51	788	27	29	9.8	7.1	e18
26	34	52	e112	e80	e55	65	779	27	33	9.6	7.1	e152
27	32	190	e66	e40	e55	100	765	37	24	9.9	7.2	e63
28	31	258	e79	e28	e98	49	747	86	18	9.8	7.6	e25
29	29	215	e76	e77	---	49	723	163	12	9.9	7.2	e25
30	31	192	e72	e52	---	48	832	80	10	9.3	7.5	e21
31	29	---	61	29	---	49	---	86	---	9.6	8.0	---
TOTAL	1695.0	3526	5437	1736	1707	1671	15935	5068	1854	445.6	246.5	490.6
MEAN	54.7	118	175	56.0	61.0	53.9	531	163	61.8	14.4	7.95	16.4
MAX	178	258	864	82	122	100	949	872	184	32	9.1	152
MIN	4.4	33	34	28	29	24	47	27	10	9.0	7.1	7.5
MEAN(†)	56.4	120	172	57.0	61.9	52.0	602	97.8	59.0	13.1	4.47	20.0
CFSM(†)	0.82	1.73	2.48	0.82	0.89	0.75	8.70	1.41	0.85	0.19	0.06	0.29
IN(†)	0.94	1.94	2.88	0.95	0.93	0.86	9.71	1.63	0.95	0.22	0.07	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	107	139	113	84.9	70.6	174	454	244	89.2	49.8	48.6	52.8
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	7.95	5.10
(WY)	1964	1954	1948	1940	1980	1940	1995	1941	1949	1953	2001	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	59338.0		39811.7			
ANNUAL MEAN	162		109		136	
HIGHEST ANNUAL MEAN					226	1973
LOWEST ANNUAL MEAN					71.4	1965
HIGHEST DAILY MEAN	987	May 11	949	Apr 23	1620	Apr 17 1934
LOWEST DAILY MEAN	3.8	Sep 11	4.4	Oct 4	.20	Aug 13 1941
ANNUAL SEVEN-DAY MINIMUM	9.1	Sep 8	7.2	Aug 23	2.8	Aug 14 1970
MAXIMUM PEAK FLOW			993	Apr 24	a 2170	Apr 12 1934
MAXIMUM PEAK STAGE			3.31	Apr 24	b 6.53	Apr 12 1934
10 PERCENT EXCEEDS	416		204		398	
50 PERCENT EXCEEDS	70		47		61	
90 PERCENT EXCEEDS	23		7.9		13	

a From rating curve extended above 1,030 ft^3/s.
b Datum then in use.
e Estimated.
(†) Adjusted for change in contents in Wrightsville Detention Reservoir.
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**, Gage heights and contents: Monthend readings only, 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 at 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. **REMARKS**, 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, 1,150.34 ft April 25; minimum, not determined.

04285000 WRIGHTSVILLE DETENTION RESERVOIR.--Lat 44°18'38", long 72°34'31", Washington County, Hydrologic Unit 02010003, at Wrightsville Detention Reservoir Dam on North Branch Winooski River, 0.2 mi east of Wrightsville Dam Road and State Highway 12 intersection in Wrightsville, 0.3 mi downstream from Long Meadow Brook, 2.4 mi north of the State Capital Building in Montpelier, and 4.4 mi upstream from mouth. **DRAINAGE AREA**, 66.5 mi^2. **PERIOD OF RECORD**, Gage heights and contents: Monthend reading only, 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 at 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. **REMARKS,** 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, 664.10 ft, April 25, from peak indicator clip; minimum, 631.71 ft, September 20.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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	1130.37	6.0	--	--
Oct. 31	1131.23	7.2	+1.2	+0.45
Nov. 30	*1131.30	7.3	+0.1	+0.04
Dec. 31	1130.90	6.7	-0.6	-0.22
CAL YR 2000	--	--	+0.3	+0.01
Jan. 31	1130.96	6.8	+0.1	+0.04
Feb. 28	1130.69	6.4	-0.4	-0.16
Mar. 31	1130.88	6.7	+0.3	+0.11
Apr. 30	1139.09	28.5	+21.8	+8.41
May 31	1131.87	8.1	-21.4	-7.62
June 30	1131.89	8.1	0.0	0.00
July 31	1130.78	6.6	-1.5	-0.56
Aug. 31	1130.70	6.5	-0.1	-0.04
Sep. 30	1130.69	6.4	-0.1	-0.04
WTR YR 2001	--	--	+0.4	+0.01
		04285000 Wrightsville Detention Reservoir		
Sep. 30	632.96	93.5	--	--
Oct. 31	*633.56	98.1	+4.6	+1.72
Nov. 30	*634.49	105.4	+7.3	+2.82
Dec. 31	633.54	97.9	-7.5	-2.80
CAL YR 2000	--	--	+1.4	+0.04
Jan. 31	633.90	100.7	+2.8	+1.04
Feb. 28	634.19	103.0	+2.3	+0.95
Mar. 31	633.52	97.8	-5.2	-1.94
Apr. 30	651.87	281.8	+184	+71.0
May 31	*634.52	105.7	-176	-65.7
June 30	633.61	98.5	-7.2	-2.78
July 31	633.17	95.1	-3.4	-1.27
Aug. 31	631.92	85.8	-9.3	-3.47
Sep. 30	633.19	95.3	+9.5	+3.66
WTR YR 2001	--	--	+1.9	+0.06

* Estimated.

04286000 WINOOSKI RIVER AT MONTPELIER, VT

LOCATION (REVISED).--Lat 44°15'23", long 72°35'36", Washington County, Hydrologic Unit 02010003, on right bank, 0.4 mi upstream from Dog River, 0.6 downstream of Bailey Road bridge, 0.8 mi southwest of the Vermont State Capitol Building in Montpelier, and 1.0 mi downstream of the North Branch Winooski River.
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 power plants 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 above Montpelier, VT).
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, 9,570 ft^3/s, December 17, gage height 14.18 ft; minimum daily discharge, 38 ft^3/s, August 26, September 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	168	510	e515	e210	e275	e335	2370	367	181	66	78
2	90	155	379	e500	e215	e275	e330	2290	420	217	64	103
3	87	217	295	e480	e220	e280	e335	2130	778	185	63	67
4	84	162	319	e460	e215	e285	e340	1800	1130	159	64	57
5	88	258	294	e445	e210	e295	e400	1170	785	235	62	55
6	469	486	310	e430	e215	e285	e400	969	514	147	59	51
7	631	398	403	e405	e230	e280	e500	850	410	113	53	49
8	529	313	304	e385	e245	e275	e670	692	294	102	50	47
9	394	259	391	e365	e260	e270	e860	648	244	107	49	45
10	330	413	350	e355	e445	e270	1530	597	222	142	56	44
11	278	692	349	e350	e415	e270	1870	515	208	126	53	44
12	218	574	442	e350	e375	e265	2450	525	258	196	49	42
13	269	457	405	e345	e355	e265	3540	622	231	130	48	42
14	217	364	361	e345	e330	e270	3560	446	203	115	46	60
15	162	945	369	e340	e320	e280	3270	435	175	108	43	45
16	185	882	447	e330	e305	e280	3130	370	194	105	42	41
17	220	562	3600	e310	e300	e280	3040	359	379	133	44	38
18	300	485	5350	e290	e300	e290	2840	340	483	143	47	39
19	505	361	2780	e270	e305	e305	2320	385	261	119	59	39
20	502	313	2290	e250	e310	e315	2210	338	229	104	72	42
21	272	300	1630	e245	e305	e335	3210	307	157	88	48	62
22	203	281	1040	e235	e295	e375	5720	283	156	83	42	51
23	184	248	e900	e230	e290	e435	5860	265	144	79	43	46
24	180	209	e890	e235	e285	e410	5660	271	178	77	40	45
25	169	306	e820	e215	e280	e375	4510	321	216	111	39	167
26	340	274	e790	e210	e280	e350	3530	245	183	80	38	405
27	339	780	e690	e210	e280	e335	3170	351	134	75	39	185
28	188	808	e630	e210	e275	e335	2830	453	112	74	45	109
29	152	648	e590	e210	---	e340	2530	617	102	71	53	96
30	147	563	e560	e215	---	e370	2420	407	133	69	45	90
31	153	---	e535	e210	---	e345	---	390	---	67	46	---
TOTAL	7980	12881	29023	9945	8070	9615	73370	21761	9300	3741	1567	2284
MEAN	257	429	936	321	288	310	2446	702	310	121	50.5	76.1
MAX	631	945	5350	515	445	435	5860	2370	1130	235	72	405
MIN	84	155	294	210	210	265	330	245	102	67	38	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1923, 1928 - 2001, BY WATER YEAR (WY)

MEAN	385	518	495	430	390	899	1873	950	473	272	240	235
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	50.5	60.1
(WY)	1964	1979	1915	1940	1940	1940	1995	1921	1995	1991	2001	1921

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 1923, 1928 - 2001	
ANNUAL TOTAL	268051		189537			
ANNUAL MEAN	732		519		597	
HIGHEST ANNUAL MEAN					967	1976
LOWEST ANNUAL MEAN					270	1965
HIGHEST DAILY MEAN	5350	Dec 18	5860	Apr 23	12200	Mar 18 1936
LOWEST DAILY MEAN	84	Oct 4	a 38	Aug 26	17	Sep 3 1933
ANNUAL SEVEN-DAY MINIMUM	93	Sep 29	41	Aug 22	41	Aug 22 2001
MAXIMUM PEAK FLOW			9570	Dec 17	17200	Apr 7 1912
MAXIMUM PEAK STAGE			14.18	Dec 17	17.55	Jun 30 1973
10 PERCENT EXCEEDS	1960		894		1420	
50 PERCENT EXCEEDS	352		280		330	
90 PERCENT EXCEEDS	152		52		118	

a Also occurred September 17.
e Estimated.

04287000 DOG RIVER AT NORTHFIELD FALLS, VT

LOCATION (REVISED).--Lat 44°10'58", long 72°38'27", Washington County, Hydrologic Unit 02010003, on right bank, just downstream of New England Central Railroad bridge, 0.9 mi northeast of Cox Brook Road and State Highway 12 intersection in Northfield Falls, 1.1 mi downstream from Cox Branch, and 4.2 mi downstream of Station 04286500, Dog River at Northfield.
DRAINAGE AREA.--76.1 mi^2.
PERIOD OF RECORD.--Discharge records: October 1934 to current year. October and November 1934 monthly discharge only, published in WSP 1307.
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 power plant 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)
Dec. 17	2045	* 5,320	* 8.11	Apr. 22	1800	4,260	7.27

Minimum discharge, 4.8 ft^3/s, September 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	27	103	e87	e46	e45	66	341	56	64	11	10
2	15	26	86	e80	e45	e44	65	313	66	41	10	10
3	15	25	68	e76	e42	e43	64	262	90	27	12	8.7
4	15	25	68	e74	e41	e43	69	219	122	26	12	7.6
5	16	35	70	e72	e40	e43	94	186	82	59	11	7.8
6	74	48	60	e70	e40	e44	120	157	65	31	9.9	7.7
7	65	35	52	e67	e41	e45	129	139	53	26	9.5	7.4
8	60	33	40	e66	e43	e45	196	124	44	23	9.1	6.6
9	40	32	42	e64	e45	e41	222	113	37	23	8.3	6.3
10	33	59	40	e62	e77	e43	384	105	34	33	11	6.3
11	31	94	45	e60	e82	e42	454	94	33	45	11	6.0
12	28	69	67	e58	e88	e41	799	89	39	30	9.8	5.6
13	26	56	61	e58	e82	e42	1110	89	35	26	9.2	5.6
14	25	55	49	e58	e76	e43	937	78	30	27	8.4	5.4
15	24	179	47	e56	e72	e44	764	72	27	26	7.9	5.3
16	27	111	45	e56	e67	e45	712	68	25	23	7.3	5.2
17	36	87	1720	e53	e63	e46	660	65	61	33	7.4	5.4
18	49	74	e1240	e50	e60	e47	589	62	43	30	7.6	5.2
19	71	65	418	e49	e58	e48	489	61	30	24	7.7	5.3
20	46	59	236	e47	e56	e53	534	53	25	21	7.6	5.3
21	38	55	e210	e45	e54	e62	976	47	23	19	7.5	10
22	33	52	e190	e44	e52	e72	2590	45	23	17	7.7	12
23	31	43	e155	e43	e50	e78	1920	44	22	16	7.4	8.8
24	30	35	e150	e42	e49	72	1990	43	27	15	6.9	7.7
25	28	38	e140	e41	e50	70	1030	39	25	14	6.5	44
26	28	59	e130	e40	e50	64	685	36	21	14	6.1	38
27	27	211	e110	e39	e48	61	579	63	19	13	6.4	17
28	26	212	e100	e38	e47	63	480	90	18	13	6.5	15
29	25	148	e95	e38	---	62	377	85	17	12	6.9	14
30	26	120	e90	e39	---	62	337	62	39	12	6.6	12
31	27	---	e89	e47	---	72	---	67	---	11	6.6	---
TOTAL	1030	2167	6016	1719	1564	1625	19421	3311	1231	794	262.8	311.2
MEAN	33.2	72.2	194	55.5	55.9	52.4	647	107	41.0	25.6	8.48	10.4
MAX	74	212	1720	87	88	78	2590	341	122	64	12	44
MIN	15	25	40	38	40	41	64	36	17	11	6.1	5.2
CFSM	.44	.95	2.55	.73	.73	.69	8.51	1.40	.54	.34	.11	.14
IN.	.50	1.06	2.94	.84	.76	.79	9.49	1.62	.60	.39	.13	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2001, BY WATER YEAR (WY)

MEAN	72.6	107	113	91.7	88.1	210	424	192	80.7	42.3	38.0	39.2
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	8.48	9.19
(WY)	1964	1954	1948	1940	1940	1940	1995	1941	1965	1965	2001	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1935 - 2001	
ANNUAL TOTAL	54496		39452.0			
ANNUAL MEAN	149		108		125	
HIGHEST ANNUAL MEAN					205	1976
LOWEST ANNUAL MEAN					51.6	1965
HIGHEST DAILY MEAN	1720	Dec 17	2590	Apr 22	4390	Mar 18 1936
LOWEST DAILY MEAN	15	Sep 23	a 5.2	Sep 16	4.3	Sep 7 1942
ANNUAL SEVEN-DAY MINIMUM	15	Sep 27	5.3	Sep 14	5.3	Sep 14 2001
MAXIMUM PEAK FLOW			b 5320	Dec 17	b 10600	Jun 30 1973
MAXIMUM PEAK STAGE			8.11	Dec 17	11.57	Jun 30 1973
INSTANTANEOUS LOW FLOW			c 4.8	Sep 19	4.3	Aug 31 1942
ANNUAL RUNOFF (CFSM)	1.96		1.42		1.64	
ANNUAL RUNOFF (INCHES)	26.64		19.29		22.28	
10 PERCENT EXCEEDS	373		182		274	
50 PERCENT EXCEEDS	68		45		63	
90 PERCENT EXCEEDS	24		8.4		17	

a Also occurred on September 18.
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 20.
e Estimated.

04288000 MAD RIVER NEAR MORETOWN, VT

LOCATION (REVISED).--Lat 44°16'38", long 72°44'35", Washington County, Hydrologic Unit 02010003, on left bank, at downstream side of Munns Road bridge, 0.4 mi downstream of Welder Brook, 2.0 mi northeast of Moretown Mountain Road and State Highway 100B intersection in Moretown, 3.2 mi west of State Highway 100B bridge across Winooski River in Middlesex, and 3.8 mi upstream from mouth.
DRAINAGE AREA.--139 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
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)
Dec. 17	2345	5,520	8.50	Apr.22	2030	* 7,120	* 9.65

Minimum discharge, 13 ft^3/s, September 17-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	78	268	e160	e68	e81	e130	793	297	268	35	49
2	35	75	217	e153	e67	e80	e125	920	380	183	27	35
3	34	73	226	e150	e65	e79	e125	859	374	104	27	23
4	33	72	390	e145	e66	e80	e130	719	474	85	29	20
5	37	87	295	e140	e66	e81	e180	533	408	137	24	27
6	268	106	168	e133	e67	e82	e230	390	277	94	22	22
7	188	95	206	e130	e73	e84	242	323	205	72	20	18
8	205	97	123	e120	e78	e86	355	290	160	64	20	17
9	152	103	216	e118	e81	e83	416	276	131	63	18	15
10	121	212	206	e113	e180	e84	678	259	113	114	21	15
11	120	240	148	e110	e190	e84	761	243	103	200	31	15
12	139	187	178	e110	e170	e81	1470	238	125	130	20	15
13	137	149	203	e115	e150	e82	2190	248	103	115	19	15
14	122	143	152	e110	e130	e85	1670	197	88	118	17	14
15	100	364	150	e108	e120	e86	1250	171	75	109	16	14
16	118	231	160	e105	e105	e88	1140	156	65	84	15	14
17	150	178	1540	e96	e98	e90	1060	148	224	92	17	13
18	248	158	1880	e94	e96	e92	947	140	171	84	21	13
19	275	139	723	e88	e93	e95	755	136	103	66	18	13
20	181	128	e540	e85	e95	e110	820	131	81	57	16	13
21	144	125	e450	e80	e97	e120	1440	121	68	51	19	207
22	124	120	e370	e78	e96	e140	4470	113	66	44	21	83
23	109	117	e300	e75	e91	e150	3340	112	68	40	17	40
24	102	139	e275	e73	e90	e140	4550	112	97	36	15	28
25	96	144	e250	e71	e89	e132	1940	109	76	34	15	317
26	91	141	e225	e70	e89	e120	1170	100	60	32	14	191
27	87	634	e200	e67	e88	e122	1050	139	53	31	15	79
28	82	657	e190	e64	e85	e120	904	213	46	29	19	56
29	78	413	e180	e64	---	e120	672	198	42	27	32	54
30	78	319	e180	e65	---	e123	610	175	186	26	21	42
31	80	---	e170	e67	---	e135	---	384	---	26	17	---
TOTAL	3770	5724	10779	3157	2783	3135	34820	8946	4719	2615	638	1477
MEAN	122	191	348	102	99.4	101	1161	289	157	84.4	20.6	49.2
MAX	275	657	1880	160	190	150	4550	920	474	268	35	317
MIN	33	72	123	64	65	79	125	100	42	26	14	13
CFSM	.87	1.37	2.50	.73	.72	.73	8.35	2.08	1.13	.61	.15	.35
IN.	1.01	1.53	2.88	.84	.74	.84	9.32	2.39	1.26	.70	.17	.40

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

MEAN	181	261	236	193	176	385	800	433	179	103	99.9	104
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	20.6	22.5
(WY)	1964	1954	1948	1981	1931	1956	1995	1941	1965	1933	2001	1963

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1929 - 2001**	
ANNUAL TOTAL	113090		82563			
ANNUAL MEAN	309		226		263	
HIGHEST ANNUAL MEAN					430	1976
LOWEST ANNUAL MEAN					133	1965
HIGHEST DAILY MEAN	3470	Apr 4	4550	Apr 24	6410	Jun 3 1947
LOWEST DAILY MEAN	32	Sep 30	a 13	Sep 17	2.9	Aug 18 1929
ANNUAL SEVEN-DAY MINIMUM	34	Sep 27	13	Sep 14	4.6	Aug 17 1929
MAXIMUM PEAK FLOW			7120	Apr 22	b 18400	Sep 22 1938
MAXIMUM PEAK STAGE			9.65	Apr 22	16.34	Sep 22 1938
INSTANTANEOUS LOW FLOW			a 13	Sep 17	1.4	Oct 1 1930
ANNUAL RUNOFF (CFSM)	2.22		1.63		1.89	
ANNUAL RUNOFF (INCHES)	30.27		22.10		25.66	
10 PERCENT EXCEEDS	682		410		590	
50 PERCENT EXCEEDS	164		110		137	
90 PERCENT EXCEEDS	52		21		38	

a Also occurred on September 18-20.
b 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.
e Estimated.

04288500 WATERBURY RESERVOIR NEAR WATERBURY, VT

LOCATION (REVISED).--Lat 44°22'54", long 72°46'13", Washington County, Hydrologic Unit 02010003, at dam on Little River, 0.3 mi east of Recreational Highway and Waterbury Dam Road intersection, 2.5 mi upstream of mouth, 2.8 mi north of US Highway 2 and State Highway 100 intersection in 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, and 13, 1981.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 576.73 ft, April 25; minimum elevation, 536.47 ft, April 6.

ELEVATION (SEA LEVEL), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
INSTANTANEOUS OBSERVATION AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	550.33	550.06	550.09	551.70	550.48	549.97	549.33	565.42	551.27	549.74	549.64	550.94
2	550.21	549.36	550.77	551.49	550.21	549.80	548.11	564.83	551.80	549.78	549.71	550.78
3	550.17	549.67	551.27	550.88	550.09	549.64	545.95	564.01	551.49	549.35	549.78	550.63
4	550.34	549.99	550.62	550.27	550.20	550.03	543.78	562.44	551.43	549.56	549.85	550.34
5	550.57	550.59	550.81	549.59	550.09	549.94	540.64	559.55	551.38	549.78	549.90	550.17
6	550.13	550.44	551.24	549.42	550.20	550.01	537.66	556.34	550.51	549.94	549.95	550.28
7	549.95	549.76	549.99	549.66	550.25	550.04	537.56	552.58	550.46	550.09	550.02	550.06
8	550.88	550.40	549.30	549.82	550.25	550.12	539.87	549.51	550.48	549.91	550.08	550.14
9	550.08	550.32	549.62	550.06	550.03	550.24	540.52	548.60	550.35	549.73	550.12	550.21
10	549.75	550.97	549.94	550.20	551.48	550.38	540.51	549.23	550.17	549.88	550.25	550.27
11	550.42	550.30	550.35	550.33	551.16	549.77	539.64	550.42	549.93	549.69	550.33	549.82
12	550.22	550.13	550.94	550.48	550.54	549.71	542.35	550.71	550.14	549.96	550.38	549.87
13	549.87	549.81	550.90	550.36	550.60	549.62	545.29	550.51	549.85	549.94	550.43	549.70
14	550.60	549.53	550.25	550.31	550.72	549.14	545.90	550.51	550.20	550.44	550.47	549.75
15	549.94	550.26	549.65	550.28	550.87	549.03	545.07	550.11	550.16	550.12	550.51	549.80
16	549.14	550.22	550.07	e550.28	550.44	549.11	544.87	550.66	550.09	549.88	550.54	549.83
17	549.55	550.56	556.25	e550.33	550.36	549.39	545.33	550.55	550.48	549.98	550.63	549.54
18	550.53	551.20	558.06	550.40	550.04	549.85	544.35	550.57	550.47	549.93	550.72	549.59
19	551.16	550.87	556.51	550.32	550.07	549.91	542.60	550.39	549.91	549.81	550.78	549.63
20	550.61	550.11	554.50	550.32	550.12	549.67	541.24	550.28	549.80	549.72	550.83	549.77
21	549.05	550.63	551.93	550.23	550.16	549.51	543.47	550.17	549.53	549.52	550.98	551.49
22	548.72	550.66	550.74	550.17	550.08	549.62	558.84	550.23	549.47	549.65	551.02	551.52
23	549.15	549.53	550.47	550.03	550.09	549.63	566.15	550.32	549.81	549.76	549.47	551.33
24	549.53	548.92	550.43	549.94	550.58	549.92	575.99	550.32	549.87	549.51	549.09	550.27
25	549.90	549.29	550.46	549.95	550.35	550.11	574.65	550.22	549.87	549.62	549.13	551.55
26	550.03	550.20	550.40	549.92	550.28	549.89	573.66	550.00	549.80	549.70	549.17	551.33
27	549.60	550.95	550.41	549.97	550.16	550.12	572.43	550.40	549.76	549.53	549.37	550.18
28	549.93	550.70	550.35	550.34	550.06	549.91	570.82	550.66	549.56	549.36	549.60	549.62
29	550.22	550.17	549.96	550.41	---	549.59	568.58	550.66	549.73	549.43	549.57	549.88
30	549.90	549.79	550.55	550.54	---	549.44	566.28	550.26	549.81	549.51	549.40	550.09
31	550.22	---	551.15	550.55	---	549.51	---	551.69	---	549.58	549.65	---
MEAN	550.02	550.18	551.23	550.28	550.36	549.76	551.05	552.65	550.25	549.75	550.04	550.28
MAX	551.16	551.20	558.06	551.70	551.48	550.38	575.99	565.42	551.80	550.44	551.02	551.55
MIN	548.72	548.92	549.30	549.42	550.03	549.03	537.56	548.60	549.47	549.35	549.09	549.54
(†)	465.8	458.1	483.2	472.0	462.8	453.5	801.8	493.4	458.5	454.6	455.8	463.3
(‡)	+0.52	-2.97	+9.37	-4.18	-3.80	-3.47	+134.4	-115.1	-13.5	-1.46	+0.45	+2.89

CAL YR 2000 MEAN 569.20 MAX 598.31 MIN 548.72
WTR YR 2001 MEAN 550.49 MAX 575.99 MIN 537.56

(†) 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 (REVISED).--Lat 44°22'12", long 72°46'11", Washington County, Hydrologic Unit 02010003, on right bank, 0.8 mi downstream from spillway on Waterbury Reservoir, 1.7 mi upstream from mouth, and 2.0 mi north of US Highway 2 and State Highway 100 intersection in 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. Monthly discharges only for July, August, and September 1937. 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, 1,270 ft^3/s, April 25, gage height, 8.93 ft; minimum daily discharge, 6.9 ft^3/s, September 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	131	354	21	101	e98	154	1220	433	129	10	183
2	69	167	349	156	e120	e105	313	1200	353	66	8.6	138
3	55	13	349	230	104	e101	475	1210	436	139	8.4	83
4	13	13	513	228	e42	e15	472	1200	437	9.3	8.4	101
5	13	13	e160	231	106	e103	497	1190	436	9.4	8.2	72
6	342	187	e15	142	63	e82	758	1180	435	9.3	8.1	8.4
7	278	199	e255	66	72	e72	293	1160	188	8.9	8.1	71
8	16	13	e250	77	76	e68	140	1080	130	81	8.1	8.3
9	292	218	e15	66	146	80	400	762	130	79	8.1	e9.0
10	206	255	e15	72	e95	77	580	143	127	9.0	8.2	e9.5
11	17	377	e15	e68	407	209	805	11	148	101	8.1	e128
12	220	343	e15	e65	e325	185	849	295	70	9.0	8.1	7.7
13	272	250	e77	e86	e86	149	1070	432	145	81	8.1	50
14	15	249	226	115	e121	125	1130	215	8.7	69	8.1	7.5
15	250	251	152	105	139	106	1120	254	73	200	8.1	7.3
16	252	167	11	79	e192	76	1070	48	77	130	8.1	7.1
17	15	109	e300	e75	150	41	906	167	155	68	8.2	e72
18	15	8.5	690	e70	e150	11	886	132	14	76	8.2	7.2
19	110	201	757	102	e108	78	905	198	e184	74	8.4	6.9
20	270	227	749	e80	108	143	897	160	e84	70	8.5	7.2
21	418	8.4	737	e77	e110	145	905	140	98	76	9.1	12
22	166	107	596	91	e100	144	815	93	62	9.2	44	113
23	15	287	285	e90	108	147	806	89	9.5	9.2	414	113
24	15	142	165	95	e12	77	560	99	115	84	10	272
25	14	10	161	76	138	82	1040	106	77	9.2	8.6	e95
26	104	17	159	e70	115	e135	1260	124	71	8.9	8.4	e400
27	120	239	165	e62	e106	e60	1250	60	59	57	9.4	459
28	13	555	162	10	e100	146	1250	178	79	57	9.4	115
29	13	363	151	60	---	160	1240	248	8.7	9.1	47	8.7
30	131	358	22	e55	---	156	1220	274	78	8.9	150	8.4
31	14	---	21	95	---	111	---	177	---	8.8	9.4	---
TOTAL	3755	5477.9	7891	2915	3500	3287	24066	13845	4720.9	1755.2	885.4	2580.2
MEAN	121	183	255	94.0	125	106	802	447	157	56.6	28.6	86.0
MAX	418	555	757	231	407	209	1260	1220	437	200	414	459
MIN	12	8.4	11	10	12	11	140	11	8.7	8.8	8.1	6.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2001, BY WATER YEAR (WY)

MEAN	186	223	234	221	261	305	463	402	212	143	151	142
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1936 - 2001	
ANNUAL TOTAL	113419.9		74678.6			
ANNUAL MEAN	310		205		244	
HIGHEST ANNUAL MEAN					456	1976
LOWEST ANNUAL MEAN					146	1965
HIGHEST DAILY MEAN	1980	May 10	1260	Apr 26	4830	Mar 18 1936
LOWEST DAILY MEAN	8.4	Nov 21	6.9	Sep 19	a .60	Jul 10 1938
ANNUAL SEVEN-DAY MINIMUM	31	Jun 26	8.1	Aug 6	a .70	Jul 13 1938
MAXIMUM PEAK FLOW			1270	Apr 25	6520	Mar 18 1936
MAXIMUM PEAK STAGE			8.93	Apr 25	19.38	Mar 18 1936
10 PERCENT EXCEEDS	586		557		560	
50 PERCENT EXCEEDS	258		104		190	
90 PERCENT EXCEEDS	15		8.8		8.9	

a See Extremes for Period of Record.
e Estimated.

04290500 WINOOSKI RIVER NEAR ESSEX JUNCTION, VT

LOCATION (REVISED).--Lat 44°28'44", long 73°08'21", Chittenden County, Hydrologic Unit 02010003, on right bank, 0.3 mi downstream from Muddy Brook, 1.5 mi downstream of State Highway 2A bridge, 1.6 mi southwest of Town Hall in Essex Junction, and 1.8 mi northeast of US 2 and State Highway 116 intersection in South Burlington.
DRAINAGE AREA.--1,044 mi^2.
PERIOD OF RECORD.--Discharge records: October 1928 to current year.
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 power plants 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 above Montpelier) since 1935.
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, 27,200 ft^3/s, December 18, gage height, 16.80 ft; minimum daily discharge, 122 ft^3/s, August 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	313	448	1760	e1360	e750	e760	e1000	5730	1630	865	191	471
2	287	690	1280	e1310	e780	e720	e1060	6150	1470	911	174	423
3	314	472	871	e1250	e740	e760	e1250	5870	1920	605	178	363
4	285	465	810	e1200	e680	e730	e1400	5200	2590	520	174	248
5	254	541	1190	e1100	e640	e695	e1620	4160	2410	455	173	267
6	676	1010	852	e1050	e710	e720	e2130	3390	1800	529	154	197
7	1880	1180	674	e1000	e690	e680	e2350	3060	1250	362	122	189
8	1260	802	933	e970	e720	e660	3320	2830	921	338	135	201
9	1160	857	582	e930	e750	e650	4730	2530	804	397	158	224
10	1190	1060	538	e910	e1320	e640	5860	1780	703	378	158	209
11	783	1820	611	e900	e2150	e650	7090	1290	667	528	158	334
12	781	1900	800	e890	e1750	e680	8860	1450	674	524	155	201
13	1190	1380	963	e870	e1400	e680	14100	2110	674	490	155	149
14	722	1180	876	e850	e1250	e690	12400	1680	595	478	142	150
15	619	2300	863	e860	e1210	e700	9800	1270	469	542	130	155
16	894	2300	689	e830	e1180	e720	8860	1120	484	478	126	151
17	636	1580	3080	e840	e1100	e700	8300	974	883	455	142	140
18	730	1210	23600	e780	e1050	e690	7570	1020	1200	461	160	131
19	1400	1070	11800	e760	e980	e680	6430	1090	752	652	155	132
20	1220	1190	e8500	e760	e950	e750	5650	995	635	373	154	127
21	1260	781	e6200	e750	e920	e850	7570	909	500	347	158	124
22	937	787	e4700	e720	e860	e980	15200	723	438	308	155	420
23	542	979	e2700	e730	e840	e1200	22400	699	443	239	238	381
24	531	804	e2100	e700	e880	e1100	19800	703	505	227	301	318
25	502	493	e2050	e670	e770	e1050	17000	732	543	291	171	684
26	527	740	e1900	e660	e790	e980	9130	663	510	238	166	1580
27	796	2600	e1800	e660	e810	e950	7840	720	432	219	161	1080
28	574	3880	e1700	e650	e830	e910	7170	1040	371	233	155	625
29	443	2770	e1600	e670	---	e930	6070	1460	345	238	173	366
30	486	2250	e1520	e640	---	e960	5450	1310	370	253	308	296
31	480	---	e1450	e680	---	e950	---	1340	---	232	230	---
TOTAL	23672	39539	88992	26950	27500	24815	231410	63998	26988	13166	5310	10336
MEAN	764	1318	2871	869	982	800	7714	2064	900	425	171	345
MAX	1880	3880	23600	1360	2150	1200	22400	6150	2590	911	308	1580
MIN	254	448	538	640	640	640	1000	663	345	219	122	124

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

MEAN	1149	1600	1515	1342	1251	2590	5172	2808	1296	783	727	712
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	171	231
(WY)	1964	1954	1930	1931	1940	1940	1995	1965	1938	1965	2001	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	821125		582676			
ANNUAL MEAN	2244		1596		1744	
HIGHEST ANNUAL MEAN					2751	1973
LOWEST ANNUAL MEAN					832	1965
HIGHEST DAILY MEAN	23600	Dec 18	23600	Dec 18	41600	Mar 19 1936
LOWEST DAILY MEAN	254	Oct 5	122	Aug 7	24	Sep 7 1968
ANNUAL SEVEN-DAY MINIMUM	298	Sep 29	137	Sep 15	54	Aug 5 1964
MAXIMUM PEAK FLOW			27200	Dec 18	45300	Mar 19 1936
MAXIMUM PEAK STAGE			16.80	Dec 18	24.54	Mar 19 1936
10 PERCENT EXCEEDS	5330		3070		4000	
50 PERCENT EXCEEDS	1120		760		1000	
90 PERCENT EXCEEDS	493		190		356	

e Estimated.

04292000 LAMOILLE RIVER AT JOHNSON, VT

LOCATION (REVISED).--Lat 44°37'22", long 72°40'36", Lamoille County, Hydrologic Unit 02010005, on right bank, above falls, 0.8 mi south of State Highways 15 and 100C intersection in Johnson, 0.8 mi upstream from Railroad Street bridge in Johnson, 0.9 mi upstream from Gihon River, and 1.0 mi downstream of Waterman Brook.
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.
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 power plant 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)
Dec. 18	0900	* 8,550	* 13.59	Apr. 23	0100	7,950	13.12

Minimum discharge, 34 ft^3/s, July 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	197	584	e360	e340	e310	e245	1460	433	125	67	498
2	120	279	503	e410	e315	e285	e265	1450	425	199	67	387
3	129	316	448	e445	e255	e240	e280	1460	406	162	67	182
4	129	240	272	e370	e380	e220	e310	1360	653	104	65	42
5	129	286	273	e320	e230	e185	e335	1130	519	103	62	148
6	247	482	316	e335	e285	e215	e400	949	443	101	56	64
7	567	391	e300	e345	e195	e285	e510	805	387	92	42	77
8	526	390	e290	e340	e300	e340	e680	732	373	49	43	74
9	506	368	255	e360	e320	e290	e900	699	307	53	49	71
10	431	418	258	e410	e450	e220	e1170	675	183	94	82	66
11	274	531	259	e355	e520	e210	e1500	651	166	235	43	53
12	257	717	360	e280	e460	e205	e1950	639	153	160	43	52
13	249	492	e390	e290	e400	e200	e2500	631	143	137	46	52
14	242	455	e330	e220	e365	e260	e2800	631	133	187	45	53
15	231	1010	e310	e250	e350	e300	2720	631	132	224	43	53
16	224	762	e295	e300	e335	e250	2420	627	121	215	43	52
17	198	625	1260	e340	e320	e205	2330	612	246	172	48	52
18	266	567	6060	e380	e315	e230	2110	579	497	187	53	52
19	341	416	1960	e315	e305	e260	1650	559	314	201	51	52
20	302	358	1210	e270	e285	e225	1490	544	174	110	49	52
21	257	277	e840	e410	e300	e240	2530	527	142	107	52	186
22	224	335	e720	e230	e320	e275	5770	496	128	90	82	144
23	220	328	e530	e440	e350	e350	5990	458	122	49	102	96
24	168	266	e410	e325	e285	e340	6060	430	154	116	43	79
25	136	187	e415	e310	e260	e325	4620	414	126	166	40	340
26	135	227	e380	e430	e235	e300	2580	403	123	93	40	504
27	138	1030	e475	e210	e255	e270	2310	391	120	37	49	196
28	149	1150	e415	e205	e325	e295	1900	375	109	36	54	125
29	148	865	e325	e265	---	e325	1470	414	99	64	181	85
30	152	697	e270	e300	---	e310	1290	421	106	69	45	88
31	157	---	e330	e280	---	e230	---	451	---	69	80	---
TOTAL	7372	14662	21043	10100	9055	8195	61085	21604	7437	3806	1832	3975
MEAN	238	489	679	326	323	264	2036	697	248	123	59.1	132
MAX	567	1150	6060	445	520	350	6060	1460	653	235	181	504
MIN	120	187	255	205	195	185	245	375	99	36	40	42
CFSM	.77	1.58	2.19	1.05	1.04	.85	6.57	2.25	.80	.40	.19	.43
IN.	.88	1.76	2.53	1.21	1.09	.98	7.33	2.59	.89	.46	.22	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2001, BY WATER YEAR (WY)

MEAN	397	512	460	377	340	719	1640	799	409	270	249	254
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	59.1	93.6
(WY)	1964	1954	1948	1948	1934	1940	1995	1965	1988	1911	2001	1978

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1912 - 2001	
ANNUAL TOTAL	236501		170166			
ANNUAL MEAN	646		466		537	
HIGHEST ANNUAL MEAN					819	1973
LOWEST ANNUAL MEAN					305	1965
HIGHEST DAILY MEAN	7010	May 11	a 6060	Dec 18	13400	Aug 6 1995
LOWEST DAILY MEAN	115	Sep 10	36	Jul 28	16	Oct 26 1947
ANNUAL SEVEN-DAY MINIMUM	122	Sep 7	44	Aug 11	44	Aug 11 2001
MAXIMUM PEAK FLOW			8550	Dec 18	19000	Aug 6 1995
MAXIMUM PEAK STAGE			13.59	Dec 18	19.98	Aug 6 1995
INSTANTANEOUS LOW FLOW			34	Jul 28	11	Sep 2 1935
ANNUAL RUNOFF (CFSM)	2.08		1.50		1.73	
ANNUAL RUNOFF (INCHES)	28.38		20.42		23.54	
10 PERCENT EXCEEDS	1600		850		1170	
50 PERCENT EXCEEDS	316		285		291	
90 PERCENT EXCEEDS	149		55		130	

a Also occurred on April 24.
e Estimated.

04292500 LAMOILLE RIVER AT EAST GEORGIA, VT

LOCATION (REVISED).--Lat 44°40'45", long 73°04'23", Franklin County, Hydrologic Unit 02010005, on right bank, 0.5 mi upstream from New England Central Railroad bridge at East Georgia, 0.9 mi downstream from Beaver Meadow Brook and 3.3 mi northeast of Main Street and US 7 intersection in Milton.
DRAINAGE AREA.--686 mi^2.
PERIOD OF RECORD.--Discharge records: August 1929 to current year. Prior to October 1937, published as "near Milton."
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 power plants 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)
Dec. 18	1900	12,000	9.51	Apr. 23	1130	* 14,400	10.16
Apr. 9	2245	Ice Jam	* 12.83				

Minimum daily discharge, 110 ft^3/s, August 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	469	1370	e970	e940	e850	e710	2850	1250	305	167	2550
2	290	492	1120	e1050	e850	e770	e760	3330	1110	323	151	1250
3	301	574	956	e1160	e730	e700	e815	3200	1250	387	168	712
4	303	564	806	e935	e1020	e625	e880	2740	1370	304	158	406
5	314	625	782	e890	e670	e550	e945	2030	1450	338	150	293
6	401	1010	912	e920	e790	e665	e1150	1520	1180	300	147	356
7	819	958	1040	e930	e580	e790	e1400	1250	917	271	132	247
8	988	872	1090	e920	e780	e930	e1720	1110	760	266	126	243
9	1040	856	1010	e990	e950	e780	e2120	993	671	194	118	221
10	901	928	985	e1080	e1120	e640	e2690	960	546	278	134	238
11	845	1400	1120	e930	e1330	e620	e3200	863	429	610	169	193
12	793	1620	e1200	e790	e1200	e605	e3950	856	416	662	151	180
13	807	1240	e1100	e820	e1110	e590	e4950	1500	449	563	118	165
14	688	999	e980	e680	e1030	e710	e5600	1260	337	614	117	153
15	595	1880	e900	e740	e965	e820	e5300	950	332	693	116	159
16	637	1740	e860	e810	e930	e700	e4900	850	328	547	110	157
17	469	1250	e2900	e910	e900	e610	e4600	791	496	483	132	156
18	498	1140	e10200	e1020	e870	e680	e4400	568	716	354	166	155
19	874	972	6300	e900	e840	e730	3820	680	608	390	193	152
20	760	857	4540	e800	e800	e655	3190	748	485	342	171	142
21	658	738	e3700	e1080	e840	e710	4210	652	292	280	151	214
22	575	743	e2800	e700	e890	e790	8300	593	313	246	185	518
23	500	713	e2200	e1120	e945	e940	13400	502	288	232	202	341
24	494	574	e1700	e1000	e845	e920	11700	500	504	180	211	246
25	377	652	e1300	e870	e760	e880	11300	492	447	243	156	276
26	377	691	e1040	e1120	e680	e820	6130	459	364	253	118	1070
27	385	1890	e1220	e740	e880	e760	4470	455	307	204	146	670
28	385	2910	e1100	e610	e870	e840	3970	596	267	165	229	395
29	392	2190	e950	e700	---	e895	3080	988	263	130	357	320
30	396	1630	e800	e825	---	e860	2610	975	271	169	350	250
31	433	---	e880	e790	---	e670	---	1150	---	160	302	---
TOTAL	17649	33177	57861	27800	25115	23105	126270	36411	18416	10486	5301	12428
MEAN	569	1106	1866	897	897	745	4209	1175	614	338	171	414
MAX	1040	2910	10200	1160	1330	940	13400	3330	1450	693	357	2550
MIN	290	469	782	610	580	550	710	455	263	130	110	142
CFSM	.83	1.61	2.72	1.31	1.31	1.09	6.14	1.71	.89	.49	.25	.60
IN.	.96	1.80	3.14	1.51	1.36	1.25	6.85	1.97	1.00	.57	.29	.67

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

MEAN	990	1301	1112	901	801	1645	3659	1843	957	636	599	629
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	171	218
(WY)	1954	1954	1948	1948	1962	1940	1995	1987	1988	1991	2001	1978

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	559335		394019			
ANNUAL MEAN	1528		1080		1256	
HIGHEST ANNUAL MEAN					1776	1976
LOWEST ANNUAL MEAN					791	1965
HIGHEST DAILY MEAN	12800	May 11	13400	Apr 23	21700	Mar 19 1936
LOWEST DAILY MEAN	272	Sep 11	110	Aug 16	74	Sep 26 1964
ANNUAL SEVEN-DAY MINIMUM	299	Sep 7	130	Aug 12	122	Aug 30 1934
MAXIMUM PEAK FLOW			14400	Apr 23	23700	Apr 18 1982
MAXIMUM PEAK STAGE			a 12.83	Apr 9	21.64	Mar 6 1979
ANNUAL RUNOFF (CFSM)	2.23		1.57		1.83	
ANNUAL RUNOFF (INCHES)	30.33		21.37		24.87	
10 PERCENT EXCEEDS	3520		2070		2800	
50 PERCENT EXCEEDS	818		760		713	
90 PERCENT EXCEEDS	396		180		297	

a Ice Jam.
e Estimated.

04293000 MISSISQUOI RIVER NEAR NORTH TROY, VT

LOCATION (REVISED).--Lat 44°58'22", long 72°23'09", Orleans County, Hydrologic Unit 02010007, on right bank, 200 ft upstream from Big Falls, 1.5 mi downstream from Jay Branch, 1.8 mi southeast of Town Hall in North Troy, 2.2 mi upstream from State Highway 105 bridge in North Troy, and 8.8 mi west of State Highway 105 and US 5 intersection in Newport.
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 power plant 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)
Dec. 18	0745	3,870	8.35	Apr. 22	2300	* 6,080	* 10.47

Minimum discharge, 16 ft^3/s, August 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	88	232	e130	e82	e78	e115	1210	369	79	30	559
2	57	82	175	e120	e80	e76	e112	1290	401	114	27	178
3	54	76	129	e112	e78	e76	e117	1090	375	66	25	84
4	53	74	132	e110	e74	e75	e125	766	367	53	24	55
5	61	171	127	e107	e75	e75	e170	493	455	84	23	43
6	142	283	109	e105	e75	e76	e200	336	337	68	21	37
7	211	179	e96	e103	e74	e76	e253	276	219	52	22	33
8	245	156	e81	e100	e74	e78	e325	247	153	47	22	30
9	216	137	e81	e98	e90	e79	e465	226	120	71	20	27
10	148	226	e83	e97	e115	e80	e565	206	101	113	20	26
11	158	660	e88	e96	e190	e78	e870	182	90	154	23	25
12	214	405	e115	e96	e148	e74	e1200	231	91	158	19	23
13	169	240	e130	e96	e115	e74	e2390	352	86	284	18	22
14	129	189	e110	e96	e111	e75	2490	213	75	256	18	22
15	102	457	e100	e92	e107	e78	1590	166	67	242	17	21
16	89	286	e94	e90	e105	e80	1270	147	62	143	17	20
17	84	217	618	e86	e101	e82	1220	132	82	117	23	19
18	96	211	2460	e84	e99	e84	1060	127	92	100	34	19
19	186	170	723	e83	e96	e88	801	487	64	75	34	19
20	129	147	e410	e81	e94	e98	791	280	59	61	27	19
21	103	140	e280	e79	e93	e115	1580	174	53	53	27	67
22	89	133	e275	e78	e91	e132	4640	134	48	45	32	109
23	82	115	e235	e78	e91	e128	4140	119	58	41	33	60
24	78	88	e210	e77	e88	e126	4600	111	237	46	27	44
25	75	91	e205	e75	e84	e118	3030	100	109	57	23	70
26	73	129	e198	e73	e82	e113	1400	89	72	40	21	270
27	71	475	e187	e72	e84	e112	1360	99	55	35	41	110
28	70	510	e175	e71	e80	e112	1140	161	47	34	55	68
29	75	342	e165	e72	---	e112	789	362	42	32	53	52
30	75	296	e150	e78	---	e117	803	220	42	31	47	44
31	81	---	e140	e85	---	e120	---	520	---	38	35	---
TOTAL	3476	6773	8313	2820	2676	2885	39611	10546	4428	2789	858	2175
MEAN	112	226	268	91.0	95.6	93.1	1320	340	148	90.0	27.7	72.5
MAX	245	660	2460	130	190	132	4640	1290	455	284	55	559
MIN	53	74	81	71	74	74	112	89	42	31	17	19
CFSM	.86	1.72	2.05	.69	.73	.71	10.1	2.60	1.13	.69	.21	.55
IN.	.99	1.92	2.36	.80	.76	.82	11.25	2.99	1.26	.79	.24	.62

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

MEAN	219	286	228	168	142	374	880	417	186	120	110	134
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	119642		87350			
ANNUAL MEAN	327		239		272	
HIGHEST ANNUAL MEAN					385	1974
LOWEST ANNUAL MEAN					168	1965
HIGHEST DAILY MEAN	3190	Apr 4	4640	Apr 22	6870	Mar 31 1998
LOWEST DAILY MEAN	40	Sep 11	a 17	Aug 15	11	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	48	Sep 6	19	Aug 10	15	Aug 22 1934
MAXIMUM PEAK FLOW			6080	Apr 22	8940	Jul 15 1997
MAXIMUM PEAK STAGE			10.47	Apr 22	13.84	Jul 15 1997
INSTANTANEOUS LOW FLOW			16	Aug 16	9.4	Aug 28 1949
ANNUAL RUNOFF (CFSM)	2.50		1.83		2.07	
ANNUAL RUNOFF (INCHES)	33.97		24.80		28.17	
10 PERCENT EXCEEDS	804		460		630	
50 PERCENT EXCEEDS	140		96		127	
90 PERCENT EXCEEDS	66		32		46	

a Also occurred on August 16.
e Estimated.

04293500 MISSISQUOI RIVER NEAR EAST BERKSHIRE, VT

LOCATION (REVISED).--Lat 44°57'36", long 72°41'49", Franklin County, Hydrologic Unit 02010007, on left bank, 0.4 mi upstream of State Highway 105 bridge, 1.9 mi north of intersection of State Highways 105 and 118 in East Berkshire, 1.9 mi upstream from Trout River, 2.6 mi southwest of Town Hall in Richford, and 3.6 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 July 1911 to July 1915, September 1916, March 1920 to July 1920, March 1921 to July 1921, published in WSP 1307. Prior to October 1977, published as "near Richford."
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)
Apr. 14	2000	8,660	10.78	Apr. 24	0015	* 10,900	* 12.16

Minimum recorded discharge, 69 ft^3/s, August 17, 2001, but may have been less during period of estimated gage-height record August 13-17, 25, 26, and September 19-21, 2001.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	249	992	e600	e385	e380	e545	2260	1170	234	166	717
2	200	246	774	e570	e370	e370	e540	2620	1220	397	132	882
3	182	245	546	e530	e360	e360	e560	2340	1350	295	117	568
4	166	247	e600	e510	e350	e355	e600	1850	1190	214	107	348
5	161	332	e580	e500	e350	e355	e650	1330	1460	360	96	231
6	194	622	e530	e490	e350	e360	e730	978	1300	307	86	176
7	378	658	e495	e475	e350	e365	e920	775	889	223	81	149
8	451	549	e450	e460	e375	e370	e1190	682	622	186	85	130
9	516	468	e425	e450	e440	e375	e1700	614	471	317	91	116
10	420	625	e395	e445	e650	e375	e2060	554	386	359	88	106
11	414	1510	e395	e440	e1000	e360	e3000	503	337	556	85	99
12	484	1740	e430	e440	e750	e355	e3720	609	322	569	78	91
13	474	1120	e485	e440	e545	e355	e7500	1090	296	657	e78	88
14	388	822	e410	e430	e520	e360	e7900	784	266	748	e77	85
15	323	1350	e385	e410	e510	e365	7820	560	239	946	e73	83
16	276	1230	e365	e400	e495	e375	6200	482	217	691	e71	81
17	250	863	e2150	e390	e480	e390	5200	434	340	525	e69	81
18	262	725	3820	e380	e455	e400	4390	404	290	469	75	80
19	358	624	3780	e375	e450	e435	3590	1510	244	383	80	e76
20	413	532	2390	e370	e440	e485	3030	1330	201	293	84	e74
21	345	486	1680	e365	e440	e560	4110	782	186	243	104	e76
22	293	460	1460	e360	e430	e630	7670	551	169	207	89	142
23	255	448	e1200	e355	e420	e600	10300	456	218	182	90	190
24	230	996	e1100	e350	e410	e580	10400	412	528	180	84	136
25	217	1110	e950	e345	e410	e560	9430	365	472	194	e74	122
26	212	1270	e900	e340	e405	e540	6180	319	292	239	e72	211
27	208	1740	e860	e335	e400	e530	4210	320	220	206	150	301
28	204	1850	e830	e335	e385	e535	3400	400	181	170	158	188
29	207	1460	e760	e340	---	e540	2520	874	159	148	174	141
30	218	1210	e700	e370	---	e550	2040	785	148	133	143	118
31	237	---	e650	e410	---	e560	---	1180	---	218	134	---
TOTAL	9160	25787	31487	13010	12925	13730	122105	28153	15383	10849	3091	5886
MEAN	295	860	1016	420	462	443	4070	908	513	350	99.7	196
MAX	516	1850	3820	600	1000	630	10400	2620	1460	946	174	882
MIN	161	245	365	335	350	355	540	319	148	133	69	74
CFSM	.62	1.79	2.12	.88	.96	.92	8.50	1.90	1.07	.73	.21	.41
IN.	.71	2.00	2.45	1.01	1.00	1.07	9.48	2.19	1.19	.84	.24	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1923, 1929 - 2001, BY WATER YEAR (WY)

MEAN	772	1029	848	653	520	1358	2985	1308	666	413	347	412
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915-1923, 1929-2001	
ANNUAL TOTAL	416282		291566			
ANNUAL MEAN	1137		799		941	
HIGHEST ANNUAL MEAN					1415	1974
LOWEST ANNUAL MEAN					580	1965
HIGHEST DAILY MEAN	7290	May 11	10400	Apr 24	18200	Mar 31 1998
LOWEST DAILY MEAN	111	Sep 12	e 69	Aug 17	28	Aug 20 1919
ANNUAL SEVEN-DAY MINIMUM	129	Sep 8	74	Aug 12	39	Aug 22 1934
MAXIMUM PEAK FLOW			10900	Apr 24	21200	Apr 18 1982
MAXIMUM PEAK STAGE			12.16	Apr 24	a 18.92	Mar 15 1946
INSTANTANEOUS LOW FLOW			b 69	Aug 17	8.0	Jul 14 1911
ANNUAL RUNOFF (CFSM)	2.37		1.67		1.96	
ANNUAL RUNOFF (INCHES)	32.33		22.64		26.69	
10 PERCENT EXCEEDS	3290		1480		2220	
50 PERCENT EXCEEDS	474		410		465	
90 PERCENT EXCEEDS	211		117		143	

a Ice Jam.
b Minimum recorded.
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 Highway 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 power plants 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)
Dec. 18	0600	12,300	4.84	Apr. 13	0915	Unknown	6.39
Apr. 13	----	14,000	Ice Jam	Apr. 24	0945	* 15,700	5.59

Minimum daily discharge, 115 ft^3/s, August 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	273	465	1920	e822	e685	e625	896	2970	1920	143	337	386
2	527	447	1260	772	e520	e670	1000	3740	1460	518	296	579
3	350	394	855	e690	e450	e545	1110	3570	2000	488	333	608
4	269	272	836	e760	e510	e540	1180	2960	1790	419	266	703
5	300	391	955	673	e620	e590	e1240	2060	1830	413	178	381
6	410	1080	722	733	e580	e650	e1530	1530	2010	344	198	259
7	290	1080	e490	656	622	535	e1900	1060	1550	432	223	232
8	732	901	e470	e685	656	479	e2900	995	936	308	242	234
9	896	741	e340	e690	595	609	e4500	934	679	424	141	229
10	750	860	e425	e610	e1000	494	e5200	834	489	520	177	187
11	823	1350	e570	690	e1950	506	e7030	759	693	1120	194	181
12	828	2720	e365	675	e1400	591	e8400	765	512	889	159	193
13	928	1950	e720	553	e1100	508	e12900	1830	389	1120	117	e150
14	439	1430	e570	612	e1020	564	e14000	1340	431	909	130	e147
15	578	1960	e560	679	e905	619	13200	918	342	1340	127	e144
16	569	2030	e430	683	e890	559	11000	822	356	1260	115	e144
17	503	1610	2250	586	e860	488	9260	666	518	659	136	e143
18	397	855	9660	586	e820	643	7430	627	656	735	125	e142
19	560	1090	6010	620	e805	689	5930	1300	457	593	119	e140
20	504	972	4270	518	e790	592	4740	1930	343	510	119	e137
21	467	752	e1750	591	e785	661	5580	1170	362	255	150	e135
22	504	741	e1650	551	e765	824	11300	842	301	335	192	e136
23	530	669	e1490	547	e750	1050	14700	676	269	399	170	e195
24	429	624	e890	e540	664	997	15300	628	684	235	164	e300
25	260	325	e950	e410	802	991	13900	527	805	285	158	307
26	365	687	955	e570	895	965	10100	523	634	314	142	202
27	545	2250	905	399	e730	840	6550	538	321	303	142	263
28	193	3910	899	425	e710	775	5190	482	325	477	126	424
29	200	2970	943	602	---	784	3860	1110	349	523	187	199
30	465	2300	771	460	---	844	2830	1140	293	478	329	170
31	359	---	715	566	---	721	---	1520	---	376	240	---
TOTAL	15243	37826	45596	18954	22879	20948	204656	40766	23704	17124	5732	7650
MEAN	492	1261	1471	611	817	676	6822	1315	790	552	185	255
MAX	928	3910	9660	822	1950	1050	15300	3740	2010	1340	337	703
MIN	193	272	340	399	450	479	896	482	269	143	115	135

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	1434	1891	1525	1585	929	2666	4905	1907	879	893	557	591
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	676	1527	629	363	148	185	165
(WY)	1995	1992	1993	1994	1993	2001	1995	1998	1999	1991	2001	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	725413		461078			
ANNUAL MEAN	1982		1263		1631	
HIGHEST ANNUAL MEAN					2258	2000
LOWEST ANNUAL MEAN					1137	1999
HIGHEST DAILY MEAN	15300	May 11	15300	Apr 24	29500	Jan 9 1998
LOWEST DAILY MEAN	143	Sep 10	115	Aug 16	33	Sep 7 1999
ANNUAL SEVEN-DAY MINIMUM	263	Sep 8	124	Aug 13	70	Sep 2 1999
MAXIMUM PEAK FLOW			15700	Apr 24	37700	Jan 20 1996
MAXIMUM PEAK STAGE			a 6.39	Apr 13	9.50	Jan 20 1996
10 PERCENT EXCEEDS	5880		2140		4080	
50 PERCENT EXCEEDS	752		622		800	
90 PERCENT EXCEEDS	365		193		228	

a Ice Jam.
e Estimated.

04294500 LAKE CHAMPLAIN AT BURLINGTON, VT

LOCATION (REVISED).--Lat 44°28'52", long 73°13'27", Chittenden County, Hydrologic Unit 02010003, 50 ft south of Gulf Oil Co. dock, 0.1 mi north of Burlington Water Department pumping station, 0.5 mi north of railroad station, and 0.6 mi northwest of City Hall in Burlington.
PERIOD OF RECORD.--Gage heights: May 1907 to current year.
REVISED RECORDS.--WSP 684: 1912-29 (datum correction). WSP 1207: 1938 (datum correction).
GAGE.--Water-stage recorder. Datum of gage is at sea level. Prior to Water Year 2000 datum of gage was 92.86 ft higher. 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, 100.99 ft, April 27, affected by seiche; minimum, 94.15 ft, November 8, 10, 26, affected by seiche.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.59	94.26	94.62	95.91	95.20	95.25	95.41	100.78	97.73	96.53	95.35	94.64
2	94.58	94.24	94.63	95.90	95.17	95.23	95.42	100.72	97.68	96.48	95.29	94.68
3	94.55	94.23	94.60	95.87	95.18	95.22	95.43	100.67	97.68	96.44	95.28	94.63
4	94.55	94.22	94.56	95.86	95.15	95.19	95.45	100.63	97.67	96.38	95.27	94.58
5	94.55	94.22	94.55	95.82	95.14	95.19	95.49	100.55	97.64	96.34	95.23	94.60
6	94.57	94.21	94.55	95.82	95.16	95.32	95.59	100.45	97.61	96.29	95.17	94.60
7	94.56	94.22	94.55	95.81	95.14	95.30	95.70	100.31	97.57	96.24	95.12	94.56
8	94.55	94.22	94.53	95.78	95.13	95.26	95.82	100.16	97.51	96.19	95.11	94.52
9	94.55	94.21	94.51	95.76	95.11	95.25	96.19	100.05	97.44	96.15	95.08	94.50
10	94.54	94.21	94.44	95.73	95.14	95.24	96.67	99.92	97.35	96.17	95.02	94.48
11	94.51	94.27	94.44	95.68	95.21	95.20	97.13	99.78	97.27	96.18	95.01	94.47
12	94.49	94.30	94.46	95.68	95.26	95.19	97.55	99.69	97.23	96.15	94.99	94.46
13	94.47	94.30	94.46	95.63	95.30	95.19	98.10	99.64	97.17	96.13	94.92	94.42
14	94.46	94.30	94.49	95.60	95.33	95.18	98.65	99.54	97.11	96.10	94.90	94.39
15	94.46	94.37	94.48	95.56	95.38	95.17	99.04	e99.31	97.04	96.06	94.88	94.38
16	94.46	94.38	94.46	95.55	95.39	95.16	99.28	e99.26	97.00	96.03	94.80	94.33
17	94.43	94.37	94.55	95.54	95.40	95.14	99.46	e99.15	97.03	96.02	94.75	94.29
18	94.42	94.41	94.99	95.50	95.37	95.12	99.59	e99.06	96.99	95.97	94.75	94.28
19	94.46	94.40	95.44	95.47	95.34	95.10	99.65	e98.86	96.92	95.94	94.76	94.27
20	94.43	94.38	95.64	95.46	95.35	95.07	99.69	e98.77	96.86	95.90	94.74	94.22
21	94.42	94.38	95.72	95.43	95.35	95.06	99.72	e98.70	96.79	95.84	94.73	94.22
22	94.43	94.37	95.77	95.40	95.33	95.18	99.83	e98.57	96.71	95.76	94.70	94.23
23	94.41	94.37	95.81	95.35	95.31	95.26	100.14	98.45	96.76	95.71	94.67	94.23
24	94.38	94.34	95.84	95.32	95.30	95.29	100.43	98.36	96.81	95.68	94.65	94.20
25	94.39	94.26	95.86	95.31	95.25	95.31	100.73	98.26	96.82	95.66	94.65	94.23
26	94.36	94.25	95.85	95.26	95.28	95.32	100.88	98.14	96.80	95.61	94.53	94.25
27	94.33	94.37	95.85	95.25	95.28	95.31	100.93	98.06	96.74	95.59	94.56	94.24
28	94.34	94.45	95.86	95.23	95.26	95.31	100.94	97.99	96.69	95.53	94.59	94.24
29	94.33	94.53	95.87	95.19	---	95.31	100.91	97.93	96.61	95.46	94.60	94.23
30	94.33	94.59	95.89	95.19	---	95.35	100.84	97.87	96.56	95.41	94.57	94.21
31	94.29	---	95.94	95.20	---	95.41	---	97.79	---	95.39	94.53	---
MEAN	94.46	94.32	95.07	95.55	95.26	95.23	98.36	99.27	97.13	95.98	94.88	94.39
MAX	94.59	94.59	95.94	95.91	95.40	95.41	100.94	100.78	97.73	96.53	95.35	94.68
MIN	94.29	94.21	94.44	95.19	95.11	95.06	95.41	97.79	96.56	95.39	94.53	94.20

CAL YR 2000 MEAN 96.58 MAX 100.80 MIN 94.21
WTR YR 2001 MEAN 95.83 MAX 100.94 MIN 94.20

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, April 25, 1993; minimum observed, 92.17 ft, October 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, 100.99 ft, April 27; minimum, 93.90 ft, October 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.72	94.20	94.53	95.87	95.18	95.23	95.38	100.74	97.75	96.58	95.34	94.62
2	94.68	94.20	94.55	95.87	95.18	95.20	95.38	100.69	97.77	96.44	95.38	94.64
3	94.61	94.21	94.66	95.89	95.14	95.18	95.41	100.65	97.68	96.54	95.29	94.81
4	94.57	94.18	94.72	95.85	95.15	95.16	95.45	100.54	97.68	96.49	95.22	94.71
5	94.50	94.13	94.71	95.89	95.13	95.15	95.50	100.45	97.63	96.42	95.21	94.59
6	94.51	94.13	94.52	95.80	95.14	95.23	95.57	100.40	97.58	96.31	95.25	94.61
7	94.51	94.16	94.53	95.78	95.13	95.26	95.67	100.33	97.55	96.32	95.18	94.63
8	94.51	94.18	94.48	95.75	95.11	95.25	95.97	100.22	97.48	96.27	95.14	94.67
9	94.47	94.20	94.46	95.71	95.19	95.22	96.17	100.02	97.41	96.22	95.15	94.62
10	94.48	94.28	94.56	95.71	95.14	95.22	96.63	99.89	97.35	96.20	95.13	94.65
11	94.47	94.16	94.43	95.67	95.17	95.21	97.10	99.77	97.29	96.17	95.00	94.49
12	94.54	94.19	94.43	95.63	95.25	95.17	97.61	99.62	97.22	96.14	95.04	94.49
13	94.51	94.33	94.45	95.63	95.28	95.20	98.08	99.56	97.17	96.11	94.98	94.42
14	94.53	94.35	94.45	95.57	95.33	95.21	98.57	99.47	97.11	96.07	94.89	94.35
15	94.36	94.33	94.48	95.56	95.35	95.15	98.97	99.31	97.07	96.04	94.88	94.34
16	94.41	94.46	94.53	95.53	95.37	95.13	99.22	99.26	97.02	96.03	94.97	94.36
17	94.46	94.43	94.60	95.49	95.36	95.11	99.39	99.15	97.04	95.99	94.97	94.34
18	94.53	94.37	94.95	95.52	95.40	95.09	99.49	99.06	96.98	95.94	94.80	94.28
19	94.41	94.42	95.38	95.45	95.42	95.07	99.62	98.86	97.09	95.92	94.72	94.26
20	94.56	94.48	95.57	95.40	95.36	95.06	99.67	98.77	96.88	95.89	94.72	94.41
21	94.45	94.40	95.71	95.39	95.30	95.06	99.71	98.70	96.88	95.90	94.74	94.31
22	94.38	94.34	95.76	95.37	95.31	95.09	99.82	98.57	96.89	95.90	94.73	94.27
23	94.44	94.29	95.78	95.37	95.32	95.22	100.10	98.44	96.76	95.83	94.71	94.24
24	94.44	94.31	95.81	95.32	95.27	95.29	100.44	98.35	96.83	95.79	94.57	94.30
25	94.37	94.51	95.78	95.27	95.37	95.29	100.66	98.29	96.84	95.64	94.61	94.26
26	94.37	94.34	95.81	95.30	95.26	95.31	100.87	98.20	96.81	95.50	94.90	94.24
27	94.40	94.32	95.80	95.23	95.25	95.32	100.86	98.07	96.76	95.48	94.61	94.25
28	94.07	94.43	95.83	95.20	95.24	95.31	100.83	98.01	96.64	95.49	94.62	94.17
29	94.09	94.50	95.85	95.19	---	95.30	100.86	97.94	96.68	95.49	94.56	94.14
30	94.10	94.50	95.82	95.16	---	95.29	100.82	97.81	96.63	95.45	94.63	94.15
31	94.16	---	95.86	95.16	---	95.35	---	97.72	---	95.38	94.71	---
MEAN	94.44	94.31	95.06	95.53	95.25	95.20	98.33	99.25	97.15	96.00	94.92	94.42
MAX	94.72	94.51	95.86	95.89	95.42	95.35	100.87	100.74	97.77	96.58	95.38	94.81
MIN	94.07	94.13	94.43	95.16	95.11	95.06	95.38	97.72	96.63	95.38	94.56	94.14

CAL YR 2000 MEAN 96.56 MAX 100.96 MIN 94.07
WTR YR 2001 MEAN 95.82 MAX 100.87 MIN 94.07

04295500 LAKE MEMPHREMAGOG AT NEWPORT, VT

LOCATION (REVISED).--Lat 44°56'15", long 72°12'21", Orleans County, Hydrologic Unit 01110000, 20 ft west of Canadian Pacific Railroad bridge, 200 ft west of US 5 Bridge, 0.3 mi south of US 5 and State Highway 191 intersection, and 0.3 mi northeast of Police Station in 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 Mount Vernon Street bridge, 0.1 mi southeast at same datum. July 21, 1934 to August 22, 1961, nonrecording gage on east side of US 5 bridge, and August 23, 1961 to October 18, 1966, on west side of US 5 bridge at same datum.
REMARKS.--Elevation of lake regulated by power plant 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, 11.15 ft, April 27, affected by seiche; minimum gage height, 6.70 ft, March 20, affected by seiche.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.42	8.36	9.84	9.43	7.98	7.01	6.87	10.60	9.29	9.12	8.60	7.97
2	8.40	8.33	9.83	9.42	7.94	6.98	6.86	10.44	9.31	9.12	8.55	7.95
3	8.39	8.32	9.78	9.40	7.88	6.94	6.85	10.28	9.36	9.04	8.54	7.91
4	8.37	8.32	9.75	9.37	7.83	6.91	6.87	10.13	9.41	9.02	8.50	7.91
5	8.39	8.38	9.70	9.34	7.79	6.89	6.93	9.99	9.47	9.04	8.46	7.94
6	8.40	8.43	9.68	9.30	7.77	6.92	7.00	9.81	9.51	9.01	8.40	7.87
7	8.42	8.47	9.63	9.26	7.71	6.89	7.04	9.66	9.51	8.97	8.38	7.85
8	8.45	8.48	9.58	9.23	7.66	6.87	7.13	9.64	9.52	8.93	8.36	7.81
9	8.49	8.50	9.52	9.19	7.62	6.86	7.23	9.65	9.51	8.94	8.34	7.80
10	8.48	8.55	9.46	9.14	7.59	6.83	7.36	9.65	9.50	8.93	8.31	7.77
11	8.49	8.71	9.40	9.10	7.56	6.80	7.53	9.62	9.47	8.93	8.30	7.77
12	8.47	8.85	9.36	9.05	7.54	6.78	7.73	9.65	9.47	8.93	8.25	7.73
13	8.48	8.90	9.32	9.00	7.53	6.79	7.98	9.71	9.45	8.90	8.22	7.70
14	8.47	8.97	9.31	8.95	7.52	6.78	8.33	9.67	9.43	8.91	8.20	7.69
15	8.52	9.13	9.27	8.90	7.50	6.76	8.68	9.68	9.40	8.94	8.15	7.64
16	8.46	9.22	9.21	8.86	7.48	6.75	8.96	9.60	9.37	8.93	8.09	7.59
17	8.44	9.30	9.26	8.81	7.43	6.75	9.19	9.56	9.39	8.94	8.08	7.56
18	8.45	9.38	9.50	8.76	7.38	6.73	9.36	9.52	9.40	8.96	8.08	7.55
19	8.51	9.41	9.71	8.71	7.34	6.71	9.45	9.59	9.32	8.96	8.07	7.53
20	8.47	9.45	9.80	8.67	7.30	6.71	9.50	9.59	9.35	8.94	8.04	7.47
21	8.50	9.50	9.83	8.61	7.26	6.73	9.60	9.55	9.31	8.91	8.02	7.52
22	8.51	9.53	9.83	8.54	7.21	6.80	9.83	9.53	9.23	8.87	8.02	7.54
23	8.46	9.56	9.79	8.48	7.19	6.86	10.23	9.50	9.27	8.85	7.98	7.54
24	8.45	9.55	9.74	8.40	7.13	6.87	10.59	9.46	9.30	8.83	7.98	7.52
25	8.45	9.52	9.65	8.34	7.12	6.86	10.93	9.41	9.26	8.89	7.91	7.55
26	8.43	9.55	9.54	8.28	7.08	6.86	11.08	9.35	9.23	8.88	7.84	7.58
27	8.42	9.62	9.47	8.22	7.06	6.84	11.11	9.31	9.20	8.80	7.89	7.57
28	8.52	9.70	9.46	8.17	7.04	6.83	11.08	9.28	9.20	8.74	7.87	7.58
29	8.49	9.77	9.45	8.11	---	6.82	10.94	9.30	9.08	8.71	7.89	7.55
30	8.44	9.81	9.44	8.06	---	6.84	10.77	9.33	9.05	8.68	7.83	7.53
31	8.39	---	9.45	8.02	---	6.87	---	9.35	---	8.65	7.81	---
MEAN	8.45	9.05	9.57	8.81	7.48	6.83	8.77	9.66	9.35	8.91	8.16	7.68
MAX	8.52	9.81	9.84	9.43	7.98	7.01	11.11	10.60	9.52	9.12	8.60	7.97
MIN	8.37	8.32	9.21	8.02	7.04	6.71	6.85	9.28	9.05	8.65	7.81	7.47

CAL YR 2000 MEAN 8.96 MAX 10.44 MIN 7.24
WTR YR 2001 MEAN 8.57 MAX 11.11 MIN 6.71

04296000 BLACK RIVER AT COVENTRY, VT

LOCATION (REVISED).--Lat 44°52'08", long 72°16'14", Orleans County, Hydrologic Unit 01110000, on right bank, 15 ft downstream from Loop Road bridge, 800 ft upstream from Stony Brook, 0.3 mi northwest of Loop Road and Main Street intersection in Coventry, and 4.6 mi north of State Highways 14 and 58 interaction in Irasburg.
DRAINAGE AREA.--122 mi^2.
PERIOD OF RECORD.--Discharge records: October 1951 to current year.
PERIOD OF DAILY WATER-QUALITY RECORD.--Water years 1978 to 1981.
SPECIFIC CONDUSTANCE: November 1977 to March 1979, May and June 1979, and December 1980 to July 1981.
WATER TEMPERATURE: November and December 1977, June to August 1978, May and June 1979, October 1979 to March 1980, May to September 1980, and December 1980 to July 1981.
GAGE.--Water-stage recorder. Elevation of gage is 710 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)
Dec. 17	2045	1,940	6.19	Apr. 24	0615	* 2,630	* 6.84

Minimum discharge, 18 ft^3/s, August 15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	80	224	e155	e69	e86	e98	517	108	48	25	144
2	47	81	189	e145	e68	e84	e99	493	111	50	24	132
3	44	78	174	e135	e66	e82	e100	441	174	46	23	72
4	42	73	153	e124	e64	e80	e105	382	202	41	22	50
5	43	150	e130	e120	e64	e80	e140	326	182	52	21	40
6	77	260	e118	e118	e65	e81	e180	271	141	50	21	35
7	153	207	e105	e115	e66	e82	e195	225	112	45	21	33
8	198	157	e93	e112	e72	e80	e230	194	91	43	20	31
9	183	132	e86	e108	e78	e79	e300	169	76	43	20	27
10	135	165	e80	e105	e87	e78	e380	152	68	51	22	26
11	114	464	e77	e100	e155	e76	e495	139	63	72	20	24
12	112	374	e86	e98	e130	e77	902	134	60	88	21	23
13	100	256	e128	e95	e108	e78	1320	186	59	82	21	22
14	87	195	e109	e90	e103	e78	1400	191	56	89	19	21
15	79	414	e98	e88	e102	e79	1290	145	51	93	18	21
16	73	330	e92	e84	e100	e81	1260	127	48	74	18	21
17	69	249	657	e81	e98	e84	1260	116	175	67	21	21
18	84	204	1300	e80	e97	e84	1120	111	203	70	24	20
19	140	170	928	e79	e96	e84	960	172	131	68	23	20
20	128	148	803	e78	e98	e89	883	147	80	54	25	20
21	102	140	738	e76	e93	e93	1110	119	64	46	28	26
22	88	132	630	e75	e91	e97	1810	101	55	41	29	31
23	79	128	498	e74	e90	e99	2390	92	55	38	27	39
24	76	117	e460	e74	e90	e110	2480	89	67	36	26	36
25	83	119	e385	e74	e90	e95	2120	86	63	34	24	40
26	73	119	e340	e72	e89	e93	1430	78	55	34	22	e105
27	69	374	e300	e70	e93	e98	1100	74	50	33	26	e57
28	66	425	e265	e68	e89	e96	895	85	47	30	26	e46
29	65	360	e230	e67	---	e97	727	152	46	29	33	e40
30	66	288	e200	e68	---	e105	587	146	45	27	35	e38
31	74	---	e175	e69	---	e98	---	117	---	26	37	---
TOTAL	2799	6389	9851	2897	2511	2703	27366	5777	2738	1600	742	1261
MEAN	90.3	213	318	93.5	89.7	87.2	912	186	91.3	51.6	23.9	42.0
MAX	198	464	1300	155	155	110	2480	517	203	93	37	144
MIN	42	73	77	67	64	76	98	74	45	26	18	20
CFSM	.74	1.75	2.60	.77	.74	.71	7.48	1.53	.75	.42	.20	.34
IN.	.85	1.95	3.00	.88	.77	.82	8.34	1.76	.83	.49	.23	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	150	196	178	129	122	274	657	281	144	99.9	88.6	90.9
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	23.9	19.9
(WY)	1954	1979	1979	1954	1980	1956	1995	1987	1988	1991	2001	1953

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1952 - 2001	
ANNUAL TOTAL	94072		66634			
ANNUAL MEAN	257		183		201	
HIGHEST ANNUAL MEAN					301	1973
LOWEST ANNUAL MEAN					113	1965
HIGHEST DAILY MEAN	1510	Apr 5	2480	Apr 24	3300	Apr 2 1976
LOWEST DAILY MEAN	41	Sep 12	a 18	Aug 15	b 11	Aug 29 1953
ANNUAL SEVEN-DAY MINIMUM	46	Sep 8	20	Aug 11	11	Aug 28 1953
MAXIMUM PEAK FLOW			2630	Apr 24	3740	Apr 2 1976
MAXIMUM PEAK STAGE			6.84	Apr 24	7.91	Apr 2 1976
INSTANTANEOUS LOW FLOW			a 18	Aug 15	11	Aug 29 1953
ANNUAL RUNOFF (CFSM)	2.11		1.50		1.64	
ANNUAL RUNOFF (INCHES)	28.68		20.32		22.34	
10 PERCENT EXCEEDS	720		381		467	
50 PERCENT EXCEEDS	130		88		105	
90 PERCENT EXCEEDS	60		26		41	

a Also occurred on August 16.
b Also occurred on August 30 to September 1, 1953.
e Estimated.

04296500 CLYDE RIVER AT NEWPORT, VT

LOCATION.--Lat 44°56'25", long 72°11'23", Orleans County, Hydrologic Unit 01110000, on right bank, 100 ft upstream of small right-bank tributary, 600 ft upstream of Clyde Street bridge, 0.8 mi east of US 5 and Main Street intersection in Newport, 0.9 mi downstream of Clyde Pond Dam, and 0.9 mi upstream of mouth.
DRAINAGE AREA.--142 mi^2.
PERIOD OF RECORD.--Discharge records: May 1909 to December 1911, April 1912 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."
PERIOD OF DAILY WATER-QUALITY RECORD.--Water years 1975 to 1978.
SPECIFIC CONDUSTANCE: October 1974 to October 1977.
WATER TEMPERATURE: October 1974 to October 1977.
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. No instantaneous peak stage 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 power plant.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by power plant and reservoirs upstream.
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, 2,410 ft^3/s, April 26, gage height, 8.15 ft; minimum daily discharge, 40 ft^3/s, August 25, 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	103	357	375	153	e154	104	961	188	70	77	44
2	131	93	357	354	150	e127	104	889	189	70	77	41
3	130	93	356	304	150	e130	104	847	230	69	68	61
4	174	93	303	257	e152	e142	105	842	379	70	57	114
5	201	131	275	245	117	e104	105	821	380	70	57	108
6	167	183	242	244	96	e105	106	773	367	70	57	94
7	165	208	207	244	96	e105	106	710	367	69	57	95
8	166	208	207	217	96	e105	297	649	370	69	57	94
9	165	268	207	201	97	106	278	593	366	81	56	93
10	166	304	186	201	e104	106	240	531	293	92	54	81
11	186	313	167	188	e189	106	254	466	247	92	54	61
12	192	386	168	e161	e215	106	359	432	221	92	54	47
13	192	405	165	e167	178	106	394	422	162	92	54	122
14	192	405	163	158	e189	106	701	416	147	92	53	59
15	192	408	163	158	191	104	870	406	119	92	44	57
16	173	409	164	159	169	104	937	395	96	92	41	57
17	167	409	245	159	e161	104	992	402	99	124	41	47
18	168	408	410	195	e170	105	958	350	96	142	41	46
19	167	406	727	159	161	106	885	313	121	142	41	46
20	164	404	826	157	161	106	818	310	144	141	41	46
21	164	373	832	144	e123	106	831	365	143	120	41	47
22	164	360	762	105	e165	132	1040	381	142	151	41	46
23	127	304	690	104	103	155	1340	375	142	88	41	46
24	102	226	619	102	e104	156	1810	338	114	89	41	46
25	106	201	546	107	104	156	2220	273	95	96	40	47
26	111	204	476	136	e134	156	2290	252	95	100	40	47
27	111	335	439	106	154	149	1940	251	82	87	41	47
28	112	402	425	106	154	146	1550	170	69	77	41	47
29	112	400	416	149	---	145	1280	151	69	77	42	47
30	113	370	400	107	---	117	1080	150	69	77	41	47
31	113	---	390	142	---	104	---	161	---	77	44	---
TOTAL	4745	8812	11890	5611	4036	3759	24098	14395	5601	2870	1534	1880
MEAN	153	294	384	181	144	121	803	464	187	92.6	49.5	62.7
MAX	201	409	832	375	215	156	2290	961	380	151	77	122
MIN	102	93	163	102	96	104	104	150	69	69	40	41
CFSM	1.08	2.07	2.70	1.27	1.02	.85	5.66	3.27	1.31	.65	.35	.44
IN.	1.24	2.31	3.11	1.47	1.06	.98	6.31	3.77	1.47	.75	.40	.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909-24, 28-36, 38-01, BY WATER YEAR (WY)

MEAN	179	234	225	186	159	280	694	494	238	149	128	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1909-24, 28-36, 38-01	
ANNUAL TOTAL	113433		89231			
ANNUAL MEAN	310		244		256	
HIGHEST ANNUAL MEAN					394	1974
LOWEST ANNUAL MEAN					153	1979
HIGHEST DAILY MEAN	1250	Apr 6	2290	Apr 26	3610	Mar 20 1936
LOWEST DAILY MEAN	57	Jul 19	a 40	Aug 25	2.6	Jun 18 1956
ANNUAL SEVEN-DAY MINIMUM	77	Jul 16	41	Aug 20	14	Oct 9 1961
MAXIMUM PEAK FLOW			2410	Apr 26	bc 3900	Mar 20 1936
MAXIMUM PEAK STAGE			8.15	Apr 26	bc 5.76	Mar 20 1936
ANNUAL RUNOFF (CFSM)	2.18		1.72		1.81	
ANNUAL RUNOFF (INCHES)	29.72		23.38		24.54	
10 PERCENT EXCEEDS	786		450		526	
50 PERCENT EXCEEDS	188		151		180	
90 PERCENT EXCEEDS	96		54		63	

a Also occurred August 26.
b No instantaneous peak stage or discharge available for period of March 6, 1957 to May 11, 1994, as explained above in remarks.
c Site and datum then in use.
e Estimated.