

THAMES RIVER BASIN

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT

LOCATION.--Lat 41°58'41", long 71°54'03", Windham County, Hydrologic Unit 01100002, at Red Bridge Rd., 0.5 mi south of North Grosvenordale, 0.45 mi downstream from Backwater Brook, 1.2 mi upstream from Stoud Brook.

DRAINAGE AREA.--101 mi².

WATER-DISCHARGE RECORDS

PERIOD of RECORD.--Partial-record gage October 1991 to June 2000. June 2000 to September 2001. June 10, 2002 to September 30, 2002.

GAGE.--Nonrecording gage October 1991 to June 2000. Water-stage recorder. Datum of gage is 350.00 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Hodges Village and Buffumville Reservoirs, by Lake Chaubunagungamaug and other smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 367 ft³/s, June 9, gage height, 8.06 ft; minimum discharge, 6.8 ft³/s, Aug. 27, 28, 29, gage height, 6.31 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	---	---	---	---	---	---	---	---	59	18	9.6
2	21	---	---	---	---	---	---	---	---	55	20	12
3	21	---	---	---	---	---	---	---	---	51	21	12
4	---	---	---	---	---	---	---	---	---	45	18	11
5	---	---	---	---	---	---	---	---	---	48	16	11
6	---	---	---	---	---	---	---	---	---	43	16	9.9
7	---	---	---	---	---	---	---	---	---	40	14	9.4
8	---	---	---	---	---	---	---	---	---	38	14	9.4
9	---	---	---	---	---	---	---	---	---	37	14	8.7
10	---	---	---	---	---	---	---	---	335	37	14	8.4
11	---	---	---	---	---	---	---	---	291	33	14	8.4
12	---	---	---	---	---	---	---	---	237	30	14	8.0
13	---	---	---	---	---	---	---	---	166	28	14	9.0
14	---	---	---	---	---	---	---	---	151	27	14	9.7
15	---	---	---	---	---	---	---	---	162	27	14	11
16	---	---	---	---	---	---	---	---	164	26	14	17
17	---	---	---	---	---	---	---	---	223	26	14	17
18	---	---	---	---	---	---	---	---	224	25	13	12
19	---	---	---	---	---	---	---	---	260	29	11	9.7
20	---	---	---	---	---	---	---	---	233	27	23	9.0
21	---	---	---	---	---	---	---	---	199	22	16	8.9
22	---	---	---	---	---	---	---	---	177	21	12	9.0
23	---	---	---	---	---	---	---	---	165	25	11	18
24	---	---	---	---	---	---	---	---	129	28	10	14
25	---	---	---	---	---	---	---	---	145	22	11	9.7
26	---	---	---	---	---	---	---	---	93	20	9.3	9.4
27	---	---	---	---	---	---	---	---	95	21	7.5	15
28	---	---	---	---	---	---	---	---	85	21	6.8	16
29	---	---	---	---	---	---	---	---	72	21	10	13
30	---	---	---	---	---	---	---	---	64	20	14	13
31	---	---	---	---	---	---	---	---	---	19	11	---
TOTAL	---	---	---	---	---	---	---	---	---	971	428.6	338.2
MEAN	---	---	---	---	---	---	---	---	---	31.3	13.8	11.3
MAX	---	---	---	---	---	---	---	---	---	59	23	18
MIN	---	---	---	---	---	---	---	---	---	19	6.8	8.0

STATISTICS of MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002
MEAN	44.7	82.7	145	79.6	126	382	572	76.0	211	60.5	32.1	19.1
MAX	44.7	82.7	145	79.6	126	382	572	76.0	232	75.7	42.5	25.2
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2000	2001	2000	2000
MIN	44.7	82.7	145	79.6	126	382	572	76.0	190	31.3	13.8	11.3
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2002	2002	2002

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SUMMARY STATISTICS

WATER YEARS 2000 - 2002

ANNUAL MEAN	152	
HIGHEST ANNUAL MEAN	152	2001
LOWEST ANNUAL MEAN	152	2001
HIGHEST DAILY MEAN	943	Mar 30 2001
LOWEST DAILY MEAN	6.8	Aug 28 2002
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 7 2002
MAXIMUM PEAK FLOW	1220	Mar 30 2001
MAXIMUM PEAK STAGE	10.09	Mar 30 2001
INSTANTANEOUS LOW FLOW	6.8	Aug 27 2002
10 PERCENT EXCEEDS	357	
50 PERCENT EXCEEDS	82	
90 PERCENT EXCEEDS	26	

