

FIVEMILE RIVER BASIN

01209761 FIVEMILE RIVER NEAR NEW CANAAN, CT

LOCATION.--Lat 41°10'28", long 73°30'43", Fairfield County, Hydrologic Unit 01100006, on right bank, 40 ft downstream from paved driveway leading to private residence, near the cul-de-sac at the end of Indian Rock Rd.

DRAINAGE AREA.--1.00 mi².

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

GAGE.--Water-stage recorder. Telephone telemetry at station.

REMARKS.--Records fair, except those for periods of estimated record, which are poor. Flow regulated from New Canaan Reservoir by Second Taxing District Water Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29 ft³/s, June 7, gage height, 2.75 ft; minimum discharge, 0.07 ft³/s, Aug. 12, 13, 28, Sept. 14, 15, gage height, 1.27 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	0.22	e0.14	0.14	0.14	0.38	0.20	0.71	0.94	2.0	0.16	0.10	0.12
2	0.14	e0.14	0.14	0.13	0.35	0.20	0.43	2.0	1.2	e0.15	0.33	0.65
3	0.14	e0.16	0.14	0.13	0.19	3.8	0.62	1.9	0.51	e0.14	0.22	e0.23
4	0.15	e0.18	0.14	0.13	0.19	0.68	0.73	0.63	0.34	e0.13	0.14	e0.18
5	0.16	e0.16	0.14	0.14	0.17	0.34	0.37	0.59	3.3	e0.12	0.12	e0.15
6	0.15	e0.15	0.14	0.16	0.16	0.35	0.33	0.51	6.2	e0.12	0.12	0.13
7	0.14	e0.14	0.14	0.34	0.17	0.32	0.31	0.43	20	e0.12	0.12	0.13
8	0.14	e0.14	0.14	0.21	0.18	0.30	0.31	0.33	5.5	e0.11	0.12	0.13
9	e0.14	e0.14	0.39	0.16	0.17	0.32	0.33	0.35	2.8	e0.11	0.10	0.12
10	e0.14	e0.14	0.19	0.19	0.29	0.56	0.52	0.36	1.9	0.14	0.08	0.12
11	e0.14	e0.14	0.14	0.34	1.2	0.39	0.28	0.29	1.4	0.14	0.09	0.12
12	e0.14	e0.14	0.14	0.33	0.28	0.36	0.27	0.93	2.1	0.14	0.08	0.12
13	e0.14	e0.14	0.14	0.34	0.23	0.47	0.29	6.4	3.9	e0.12	0.09	0.12
14	e0.26	e0.15	0.17	0.44	0.16	0.49	0.35	19	5.3	e0.11	0.10	0.12
15	0.81	e0.16	0.23	0.41	0.18	0.39	0.41	7.6	6.6	e0.10	0.09	0.14
16	0.79	e0.15	0.17	0.36	0.24	0.38	0.28	4.8	3.8	e0.09	0.12	0.23
17	0.99	e0.14	0.18	0.34	0.30	0.33	0.26	3.9	2.5	e0.09	0.13	0.14
18	e0.30	e0.14	0.76	e0.30	0.27	0.54	0.23	16	1.6	e0.09	0.11	0.13
19	e0.15	e0.14	0.24	e0.26	0.25	0.82	0.24	8.6	1.1	0.13	0.11	0.13
20	e0.15	e0.16	0.16	e0.22	0.30	1.7	0.26	5.0	0.94	0.14	0.11	0.13
21	e0.15	e0.15	0.16	e0.22	0.60	1.3	0.28	4.0	0.69	e0.13	0.11	0.14
22	e0.14	e0.14	0.16	0.33	0.33	0.56	0.38	3.4	0.47	e0.13	0.12	0.14
23	e0.14	e0.14	0.16	0.44	0.27	0.54	0.29	2.8	0.32	e0.24	0.12	0.14
24	e0.14	e0.32	0.95	1.0	0.24	0.60	0.24	2.4	0.32	e0.15	0.12	0.13
25	e0.14	e0.60	0.28	0.56	0.21	0.52	0.46	1.9	0.18	e0.12	0.10	0.12
26	e0.14	e0.31	0.16	0.27	0.24	0.70	0.46	1.8	0.27	0.12	0.11	0.13
27	e0.14	0.16	0.15	0.20	0.32	2.1	0.24	1.8	0.64	0.13	0.11	0.30
28	e0.14	0.14	0.14	0.19	0.28	0.66	2.7	2.2	1.5	0.13	0.10	0.18
29	e0.14	0.15	0.14	0.18	---	0.49	2.5	2.1	0.48	0.12	0.21	0.14
30	e0.14	0.16	0.14	0.19	---	0.47	0.87	1.6	0.18	0.11	0.14	0.14
31	e0.14	---	0.14	0.20	---	0.44	---	1.5	---	0.10	0.11	---
TOTAL	6.94	5.22	6.61	8.85	8.15	21.32	15.95	106.06	78.04	3.93	3.83	4.90
MEAN	0.22	0.17	0.21	0.29	0.29	0.69	0.53	3.42	2.60	0.13	0.12	0.16
MAX	0.99	0.60	0.95	1.0	1.2	3.8	2.7	19	20	0.24	0.33	0.65
MIN	0.14	0.14	0.14	0.13	0.16	0.20	0.23	0.29	0.18	0.09	0.08	0.12
CFSM	0.22	0.17	0.21	0.29	0.29	0.69	0.53	3.42	2.60	0.13	0.12	0.16
IN.	0.26	0.19	0.25	0.33	0.30	0.79	0.59	3.95	2.90	0.15	0.14	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

MEAN	0.60	0.74	0.80	1.05	1.93	3.67	2.89	2.54	1.62	0.50	0.38	0.33
MAX	1.62	1.90	2.07	2.26	2.81	7.36	5.93	3.42	2.60	0.77	1.06	0.94
(WY)	2000	2000	2000	2000	2001	2001	2001	2002	2002	2001	2000	1999
MIN	0.22	0.17	0.13	0.29	0.29	0.69	0.53	1.73	0.64	0.13	0.12	0.13
(WY)	2002	2002	1999	2002	2002	2002	2002	2001	2001	1999	2002	2001

e Estimated.

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1998 - 2002
ANNUAL TOTAL	652.27	269.80	
ANNUAL MEAN	1.79	0.74	
HIGHEST ANNUAL MEAN			1.44
LOWEST ANNUAL MEAN			1.88 0.74
HIGHEST DAILY MEAN	27 Mar 30	20 Jun 7	27 Mar 30 2001
LOWEST DAILY MEAN	0.06 Sep 13	0.08 Aug 10	0.00 Dec 20 1998
ANNUAL SEVEN-DAY MINIMUM	0.07 Sep 7	0.09 Aug 9	0.07 Sep 7 2001
MAXIMUM PEAK FLOW		29 Jun 7	56 May 19 1999
MAXIMUM PEAK STAGE		2.75 Jun 7	3.28 May 19 1999
INSTANTANEOUS LOW FLOW		a0.07 Aug 12	0.00 Nov 22 1998
ANNUAL RUNOFF (CFSM)	1.79	0.74	1.44
ANNUAL RUNOFF (INCHES)	24.26	10.04	19.52
10 PERCENT EXCEEDS	5.2	1.7	3.5
50 PERCENT EXCEEDS	0.77	0.19	0.63
90 PERCENT EXCEEDS	0.14	0.12	0.13

a Also occurred Aug. 13, 28, Sep. 14, 15.

