



Water-Data Report 2010

01209761 FIVEMILE RIVER NEAR NEW CANAAN, CT

Connecticut Coastal Basin
Saugatuck Subbasin

LOCATION.--Lat 41°10'28", long 73°30'43" referenced to North American Datum of 1927, Fairfield County, CT, 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.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Satellite telemetry at station.

REMARKS.--Records are poor. Flow regulated from New Canaan Reservoir by Second Taxing District Water Department.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.51	2.8	2.3	3.9	1.2	5.2	14	0.92	0.76	0.22	0.25	0.16
2	0.51	1.8	1.6	3.7	1.2	5.6	9.6	0.89	e0.59	0.23	0.27	0.16
3	0.68	1.5	23	3.0	1.4	5.5	7.4	10	e0.50	0.25	0.27	0.15
4	0.55	1.2	5.5	2.5	1.3	4.6	5.9	3.3	0.40	0.25	0.25	0.16
5	0.52	1.5	3.4	2.2	1.2	3.8	4.8	1.4	0.33	0.25	0.25	0.14
6	0.55	1.6	4.0	2.0	1.2	3.2	4.3	1.1	0.29	0.25	0.25	0.14
7	e0.72	0.95	2.5	1.8	0.96	3.0	3.8	0.85	0.21	0.25	0.24	0.14
8	e0.58	0.97	2.0	1.9	0.86	2.9	3.2	0.98	0.12	0.24	0.23	0.13
9	0.59	1.0	12	1.7	0.82	2.7	4.1	0.90	0.14	0.22	0.23	0.12
10	0.73	1.4	9.5	1.4	1.2	2.4	2.9	0.75	0.18	0.22	0.23	0.12
11	0.61	1.4	3.9	1.2	1.2	2.2	2.4	0.74	0.14	0.22	0.23	0.12
12	0.59	1.1	2.5	1.2	0.97	2.3	2.0	1.4	0.14	0.23	0.24	0.10
13	0.71	1.4	6.6	1.1	0.92	26	1.8	1.3	0.15	0.48	0.25	0.11
14	0.69	2.1	12	1.1	0.87	83	1.7	0.99	0.16	0.40	0.24	0.12
15	0.92	2.3	5.1	1.1	0.84	28	1.5	0.82	0.16	0.28	0.23	0.11
16	1.3	1.8	3.6	1.3	1.0	16	1.5	0.63	0.14	0.25	0.21	0.16
17	1.1	1.3	2.6	1.6	0.94	11	2.3	0.56	0.19	0.25	0.20	0.09
18	1.4	1.0	2.0	3.6	0.88	8.3	1.6	1.6	0.20	0.25	0.20	0.09
19	1.0	1.0	1.9	2.7	0.96	6.6	1.4	2.5	0.20	0.30	0.20	0.08
20	0.71	5.0	2.3	2.1	1.2	5.8	1.2	1.1	0.20	0.26	0.20	0.08
21	0.70	3.0	2.0	1.5	1.3	5.3	1.2	0.67	0.20	0.61	0.20	0.08
22	0.67	1.7	1.8	1.3	1.2	11	1.2	0.58	0.25	0.50	0.48	0.07
23	0.70	1.3	1.7	1.2	2.4	e60	1.00	0.55	0.26	0.30	0.77	0.07
24	6.4	1.3	1.5	1.1	16	15	0.87	0.55	0.22	0.30	0.19	0.08
25	12	1.2	1.5	16	19	9.3	3.2	0.53	0.22	0.32	0.19	0.07
26	2.5	1.3	7.6	12	20	9.3	5.3	0.53	0.22	0.30	0.18	0.07
27	1.9	2.3	39	4.1	7.5	6.9	6.6	0.51	0.22	0.28	0.18	0.08
28	10	2.3	11	2.7	5.4	6.5	2.4	0.51	0.22	0.28	0.18	0.08
29	7.0	1.1	5.6	2.0	---	e71	1.5	0.52	0.22	0.28	0.18	0.08
30	2.7	1.7	3.6	1.5	---	e91	1.0	0.51	0.22	0.28	0.17	3.0
31	2.4	---	3.8	1.3	---	32	---	0.51	---	0.25	0.16	---
Total	61.94	50.32	187.4	85.8	93.92	545.4	101.67	38.70	7.45	9.00	7.55	6.16
Mean	2.00	1.68	6.05	2.77	3.35	17.6	3.39	1.25	0.25	0.29	0.24	0.21
Max	12	5.0	39	16	20	91	14	10	0.76	0.61	0.77	3.0
Min	0.51	0.95	1.5	1.1	0.82	2.2	0.87	0.51	0.12	0.22	0.16	0.07
Cfsm	2.00	1.68	6.05	2.77	3.35	17.6	3.39	1.25	0.25	0.29	0.24	0.21
In.	2.30	1.87	6.97	3.19	3.49	20.29	3.78	1.44	0.28	0.33	0.28	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.90	2.42	3.50	2.59	2.74	4.67	4.19	2.35	2.01	0.77	0.69	1.00
Max	9.92	6.39	9.11	6.28	6.75	17.6	8.59	4.03	5.30	1.86	2.04	5.37
(WY)	(2006)	(2006)	(2004)	(2006)	(2008)	(2010)	(2007)	(2006)	(2003)	(2005)	(2005)	(2004)
Min	0.22	0.17	0.13	0.29	0.29	0.69	0.53	1.25	0.25	0.13	0.12	0.13
(WY)	(2002)	(2002)	(1999)	(2002)	(2002)	(2002)	(2002)	(2010)	(2010)	(2002)	(2002)	(2001)

01209761 FIVEMILE RIVER NEAR NEW CANAAN, CT—Continued**SUMMARY STATISTICS**

	Calendar Year 2009	Water Year 2010	Water Years 1998 - 2010	
Annual total	794.48	1,195.31		
Annual mean	2.18	3.27	2.42	
Highest annual mean			4.11	2006
Lowest annual mean			0.74	2002
Highest daily mean	39 Dec 27	e91 Mar 30	e91 Mar 30, 2010	
Lowest daily mean	0.18 Aug 20	0.07 Sep 22 ^c	0.00 Dec 20, 1998 ^b	
Annual seven-day minimum	0.22 Aug 15	0.07 Sep 20	0.05 Oct 13, 2007	
Maximum peak flow		115 Mar 14	e200 Apr 16, 2007	
Maximum peak stage		3.65 Mar 14	^a 3.65 Mar 14, 2010	
Instantaneous low flow		0.07 Sep 22 ^d	0.00 Many days	
Annual runoff (cfsm)	2.18	3.27	2.42	
Annual runoff (inches)	29.55	44.47	32.83	
10 percent exceeds	4.0	6.6	5.3	
50 percent exceeds	1.5	1.1	1.1	
90 percent exceeds	0.37	0.16	0.22	

e Estimated.

a Peak recorded, may have been higher during period of no gage-height, Apr. 14-25, 2007.

b Also Jan. 2, 1999.

c Also Sep. 23, 25, 26.

d Also Sep. 23-27, 29, 30.

