

## CONNECTICUT RIVER BASIN

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT

**LOCATION.**--Lat 41°31'12", long 72°42'23", Middlesex County, Hydrologic Unit 01080205, on right bank just upstream from Cider Mill Rd., 0.5 mi northeast of Middlefield, and 0.75 mi upstream from Wadsworth Falls.

**DRAINAGE AREA.**--29.8 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1961 to December 1980, published as "at Rockfall", December 1980 to current year.

**REVISED RECORDS.**--WDR CT-83-1: Drainage area.

**GAGE.**--Water-stage recorder. Datum of gage is 134.17 ft above sea level. Satellite telemetry at station. Prior to Dec. 2, 1980, water-stage recorder at site 2.0 mi downstream at datum 73.01 ft lower.

**REMARKS.**--Records good, except those for periods of estimated record, which are fair. Infrequent regulation from Beseck Lake.

**EXTREMES FOR CURRENT YEAR.**--Maximum discharge, 259 ft<sup>3</sup>/s, May 14, 15, gage height, 6.93 ft; minimum discharge, 0.24 ft<sup>3</sup>/s, Aug. 20, gage height, 4.02 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	41	8.4	10	e8.4	e20	e17	94	114	47	9.5	2.0	7.8
2	49	9.9	9.3	e6.9	e19	17	92	97	43	8.6	3.0	12
3	42	11	8.3	e6.1	e18	81	81	111	35	8.0	4.6	15
4	26	9.6	7.7	e5.5	e17	130	77	113	28	8.1	3.8	28
5	15	9.6	7.5	e5.0	e16	120	69	92	26	7.7	3.3	25
6	11	10	7.0	6.7	16	87	60	71	31	6.2	2.5	18
7	8.9	9.5	6.8	19	15	60	52	57	103	5.4	1.7	11
8	7.6	8.9	6.8	19	e14	46	47	49	122	5.1	1.3	7.0
9	7.0	8.2	9.5	21	e14	39	45	42	106	4.9	0.84	5.0
10	6.7	7.6	11	18	13	39	45	40	80	5.8	0.64	4.1
11	6.6	7.0	12	20	36	38	43	35	57	5.9	0.50	4.4
12	6.4	6.7	11	21	41	34	40	34	41	5.5	0.42	3.9
13	6.1	6.7	10	29	35	31	38	79	33	4.4	0.35	3.1
14	5.8	6.4	9.9	33	29	31	37	235	31	4.0	0.29	3.2
15	11	6.5	12	35	21	30	39	244	41	3.0	0.27	7.5
16	12	6.8	11	32	21	29	38	186	48	2.9	0.27	24
17	12	6.6	11	27	23	28	35	130	53	2.8	0.28	32
18	11	6.3	20	23	26	28	31	164	48	2.4	0.27	32
19	9.5	6.3	25	e20	24	33	27	209	40	2.3	0.26	24
20	8.5	7.3	27	e16	23	41	25	182	32	3.2	0.74	15
21	8.1	8.1	22	e15	28	73	24	138	26	3.1	0.37	10
22	7.2	7.6	17	e13	30	81	25	104	21	2.6	0.31	8.0
23	6.7	7.1	14	19	28	67	33	80	18	3.5	0.32	11
24	18	6.9	24	32	24	52	31	64	16	5.9	0.37	10
25	30	7.5	26	41	21	43	31	53	14	5.2	0.49	8.6
26	29	13	26	39	20	41	44	45	12	4.5	0.32	8.8
27	29	18	21	33	e19	145	43	42	12	3.7	0.29	24
28	30	16	17	28	e18	203	53	42	12	3.7	0.27	35
29	29	12	14	25	---	172	98	43	11	3.8	7.0	33
30	19	10	e12	e23	---	130	113	40	10	3.2	8.6	25
31	8.2	---	e9.8	e21	---	97	---	39	---	2.5	7.9	---
TOTAL	517.3	265.5	435.6	660.6	629	2063	1510	2974	1197	147.4	53.57	455.4
MEAN	16.7	8.85	14.1	21.3	22.5	66.5	50.3	95.9	39.9	4.75	1.73	15.2
MAX	49	18	27	41	41	203	113	244	122	9.5	8.6	35
MIN	5.8	6.3	6.8	5.0	13	17	24	34	10	2.3	0.26	3.1
CFSM	0.56	0.30	0.47	0.72	0.75	2.23	1.69	3.22	1.34	0.16	0.06	0.51
IN.	0.65	0.33	0.54	0.82	0.79	2.58	1.88	3.71	1.49	0.18	0.07	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002, BY WATER YEAR (WY)

MEAN	34.0	58.1	77.9	75.8	88.3	105	101	59.9	53.7	17.0	21.1	14.6
MAX	130	121	237	144	162	206	284	172	242	61.3	73.6	41.2
(WY)	1990	1997	1997	1982	1981	1983	1983	1989	1982	1984	1991	1989
MIN	4.43	8.85	14.1	8.43	22.5	47.8	25.4	16.2	5.20	2.45	1.73	2.56
(WY)	1998	2002	2002	1981	2002	1981	1985	1986	1988	1987	2002	1995

e Estimated.

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR			FOR 2002 WATER YEAR			WATER YEARS 1981 - 2002		
ANNUAL TOTAL	17487.4			10908.37					
ANNUAL MEAN	47.9			29.9			59.5		
HIGHEST ANNUAL MEAN							95.6		
LOWEST ANNUAL MEAN							29.9		
HIGHEST DAILY MEAN	691	Mar	23	244	May	15	1670	Jun	6 1982
LOWEST DAILY MEAN	2.1	Sep	12	0.26	Aug	19	0.26	Aug	19 2002
ANNUAL SEVEN-DAY MINIMUM	2.3	Sep	7	0.28	Aug	13	0.28	Aug	13 2002
MAXIMUM PEAK FLOW				a259	May	14	2260	Apr	16 1996
MAXIMUM PEAK STAGE				6.93	May	14	12.46	Apr	16 1996
INSTANTANEOUS LOW FLOW				0.24	Aug	20	0.25	Aug	19 2002
ANNUAL RUNOFF (CFSM)	1.61			1.00			2.00		
ANNUAL RUNOFF (INCHES)	21.83			13.62			27.14		
10 PERCENT EXCEEDS	109			75			136		
50 PERCENT EXCEEDS	18			18			35		
90 PERCENT EXCEEDS	5.6			3.2			4.6		

**a** Also occurred May 15.

