

RIPPOWAM RIVER BASIN

01209901 RIPPOWAM RIVER NEAR STAMFORD, CT

LOCATION.--Lat 41°03'56", long 73°32'59", Fairfield County, Hydrologic Unit 01100005, on left bank 100 ft upstream from bridge on Bridge St., 2.7 mi downstream from Holts Ice Pond Brook, and 1.7 mi upstream from mouth.

DRAINAGE AREA.--34.0 mi².

PERIOD OF RECORD.--June 26, 1964 to March 24, 1966, low-flow partial record station; November 1975 to September 1976, at site 0.6 mi upstream. September 1977 to 1982, continuous-record site. October 2, 2001 to September 30, 2002.

GAGE.--Water-stage recorder. Datum of gage is 17.73 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Flow is continuous, but is completely controlled by storage in Mallard Lake, Trinity Lake Reservoir, Laurel Reservoir, Suscowit Reservoir, and by storage and diversion at North Stamford Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 410 ft³/s, June 7, gage height, 3.23 ft; minimum discharge, 0.18 ft³/s, Aug. 28, 29, gage height, 0.94 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	e13	3.1	4.1	e3.8	8.0	4.5	22	35	21	13	1.2	2.8
2	9.5	3.1	3.6	e3.6	8.1	4.6	17	40	17	12	4.8	57
3	7.7	4.9	3.2	e3.4	6.8	60	18	40	18	11	3.4	19
4	6.4	3.8	3.1	e3.1	6.5	34	19	28	12	9.6	1.8	36
5	5.3	3.2	3.1	e3.0	6.1	18	16	23	15	8.7	1.7	13
6	5.0	3.4	2.9	7.6	5.6	14	14	20	55	7.2	1.2	7.8
7	4.8	3.3	3.1	17	5.4	13	14	19	288	5.9	0.89	5.8
8	3.8	3.3	4.1	9.9	5.4	12	13	18	69	5.9	0.77	4.7
9	e3.3	3.1	11	8.3	5.0	11	13	17	39	9.6	0.64	3.9
10	e3.1	3.3	6.6	7.3	7.1	12	18	16	34	9.4	0.55	3.4
11	e3.0	3.2	5.2	8.2	17	10	13	14	26	7.2	0.43	2.9
12	e2.8	3.1	4.3	8.2	9.9	9.7	13	36	40	5.5	0.38	2.6
13	e2.7	3.2	3.9	7.6	8.3	11	13	88	43	4.5	0.36	2.2
14	e2.7	4.2	5.2	6.8	7.2	11	16	149	57	4.6	0.24	2.2
15	8.5	4.1	5.5	6.4	6.5	10	15	51	83	4.8	0.31	11
16	4.7	3.6	4.4	6.0	6.4	9.9	13	35	65	4.4	3.5	37
17	5.3	3.6	4.7	5.9	7.5	9.1	12	29	47	4.0	2.0	13
18	5.5	3.5	16	5.7	6.9	14	11	102	33	3.0	1.5	8.0
19	4.0	3.2	10	5.4	5.9	14	10	60	25	3.6	0.74	6.0
20	3.6	3.2	7.6	6.3	5.8	36	11	37	21	3.9	2.6	4.9
21	e3.2	3.2	6.2	6.3	7.7	40	9.9	31	19	3.4	0.91	4.1
22	e3.0	3.4	5.3	6.2	6.6	23	13	27	17	2.8	0.97	3.6
23	e2.9	3.5	4.8	6.3	6.2	17	11	25	16	3.3	1.6	3.2
24	e2.8	5.6	21	10	5.7	15	9.7	24	15	4.3	1.1	2.9
25	e2.7	9.4	12	11	5.5	14	17	22	13	4.4	1.9	2.7
26	e2.6	11	9.0	8.7	5.4	16	17	19	21	4.0	0.68	4.0
27	2.6	6.3	7.5	7.7	5.4	43	13	19	24	3.5	0.59	24
28	2.6	4.8	6.5	7.0	5.0	27	66	19	34	3.6	0.33	14
29	2.6	4.7	e5.5	6.5	---	20	77	18	28	3.9	20	8.5
30	2.7	4.5	e5.0	6.2	---	18	38	16	16	3.4	5.7	6.2
31	2.9	---	e4.5	6.2	---	18	---	17	---	1.9	3.5	---
TOTAL	135.3	125.8	198.9	215.6	192.9	568.8	562.6	1094	1211	176.3	66.29	316.4
MEAN	4.36	4.19	6.42	6.95	6.89	18.3	18.8	35.3	40.4	5.69	2.14	10.5
MAX	13	11	21	17	17	60	77	149	288	13	20	57
MIN	2.6	3.1	2.9	3.0	5.0	4.5	9.7	14	12	1.9	0.24	2.2
CFSM	0.13	0.12	0.19	0.20	0.20	0.54	0.55	1.04	1.19	0.17	0.06	0.31
IN.	0.15	0.14	0.22	0.24	0.21	0.62	0.62	1.20	1.32	0.19	0.07	0.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	14.2	23.2	33.5	68.3	42.9	83.5	81.3	65.7	36.6	11.6	9.73	8.66
MAX	30.9	66.0	93.5	175	76.1	169	225	193	94.9	17.2	26.3	17.1
(WY)	1978	1978	1978	1979	1982	1980	1980	1978	1982	1981	1978	1979
MIN	4.36	4.19	6.42	5.52	6.89	18.3	18.8	19.3	9.74	5.69	1.41	3.45
(WY)	2002	2002	2002	1981	2002	2002	2002	1981	1981	2002	1981	1980

e Estimated.

01209901 RIPPOWAM RIVER NEAR STAMFORD, CT--Continued

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1977 - 2002

ANNUAL TOTAL	4863.89		
ANNUAL MEAN	13.3	39.9	
HIGHEST ANNUAL MEAN		69.4	1978
LOWEST ANNUAL MEAN		13.3	2002
HIGHEST DAILY MEAN	288	Jun 7	1590 Apr 10 1980
LOWEST DAILY MEAN	0.24	Aug 14	0.24 Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.42	Aug 9	0.42 Aug 9 2002
MAXIMUM PEAK FLOW	410	Jun 7	
MAXIMUM PEAK STAGE	3.23	Jun 7	
INSTANTANEOUS LOW FLOW	a0.18	Aug 28	0.18 Aug 28 2002
ANNUAL RUNOFF (CFSM)	0.39		1.17
ANNUAL RUNOFF (INCHES)	5.32		15.96
10 PERCENT EXCEEDS	30		86
50 PERCENT EXCEEDS	6.6		17
90 PERCENT EXCEEDS	2.7		3.6

a Also occurred Aug. 29.

