

SASCO BROOK BASIN

01208950 SASCO BROOK NEAR SOUTHPORT, CT

LOCATION.--Lat 41°09'10", long 73°18'23", Fairfield County, Hydrologic Unit 01100006, on left downstream abutment of bridge on Hulls Farm Rd., 1.5 mi northwest of Southport.

DRAINAGE AREA.--7.38 mi².

PERIOD of RECORD.--Occasional low-flow measurements and annual maximum, water years 1961-64. October 1964 to current year.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 52.01 ft above sea level. Sept. 6, 1960, to Oct. 6, 1964, crest-stage gage, Oct. 7, 1964 to June 16, 1966, water-stage recorder, and June 17, 1966, to Apr. 27, 1969, nonrecording gage and crest-stage gage at same site and datum. Telephone telemetry at station.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sep 2	1415	*185	*3.17	No other peak greater than base discharge.			

Minimum discharge, 0.09 ft³/s, Aug. 24, gage height, 0.90 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	6.0	0.57	2.4	2.5	5.4	3.2	14	27	11	3.2	0.31	0.70
2	4.8	0.70	2.1	2.4	5.9	3.1	11	29	7.8	2.5	3.8	65
3	3.7	0.82	1.9	2.2	4.6	33	11	31	6.1	2.0	7.7	23
4	2.0	0.95	1.8	2.2	4.3	17	14	17	5.2	1.8	2.4	15
5	1.4	0.98	1.8	2.3	3.8	9.5	10	14	10	1.5	1.3	4.2
6	1.2	0.99	1.7	2.9	3.4	7.7	8.8	12	17	1.4	0.92	3.7
7	1.1	0.93	1.7	12	3.5	7.0	8.0	11	92	1.2	0.67	2.8
8	0.87	0.91	1.8	6.2	3.7	6.3	7.8	10	27	1.1	0.54	2.2
9	0.74	0.99	6.6	5.1	3.5	6.0	7.4	9.5	15	1.1	0.43	1.8
10	0.59	1.1	5.1	5.1	3.6	6.1	11	9.3	11	1.4	0.36	1.8
11	0.52	1.2	3.6	5.5	9.6	5.3	8.4	8.0	9.6	1.0	0.30	1.5
12	0.49	1.2	3.0	5.7	6.2	5.0	7.6	12	10	0.86	0.25	1.6
13	0.50	1.3	2.7	5.2	5.1	5.5	7.8	44	15	0.82	0.20	1.4
14	0.48	1.3	2.9	4.5	4.1	6.3	10	77	23	0.78	0.20	1.5
15	1.9	1.5	4.4	4.2	3.8	5.6	9.7	25	26	0.67	0.19	3.3
16	1.3	1.8	3.5	4.1	4.3	5.6	8.2	16	18	0.54	0.18	17
17	0.89	1.8	3.1	4.0	4.8	4.7	7.0	13	13	0.48	0.18	8.7
18	0.71	2.0	11	4.0	4.3	6.5	6.2	75	10	0.47	0.14	4.6
19	0.48	2.0	7.7	3.5	3.8	8.9	5.6	39	8.6	0.47	0.14	3.3
20	0.40	2.2	5.1	3.6	3.7	20	5.9	21	7.7	0.52	0.15	2.8
21	0.33	2.4	3.9	3.8	4.6	28	5.7	17	6.9	0.53	0.18	2.5
22	0.32	2.6	3.3	4.3	4.6	13	6.5	15	6.1	0.46	0.14	2.2
23	0.32	2.7	3.1	4.7	3.9	9.5	6.9	14	5.4	1.4	0.10	2.1
24	0.33	3.0	12	7.9	3.7	8.6	5.8	11	4.7	2.9	0.11	2.0
25	0.35	3.9	7.9	7.7	3.6	7.8	8.5	10	4.0	1.1	0.16	1.8
26	0.39	5.5	5.6	5.9	3.7	9.2	12	9.0	4.1	0.79	0.17	2.0
27	0.46	3.2	4.4	5.1	3.6	38	7.9	9.0	7.6	0.62	0.15	14
28	0.54	2.7	3.7	4.6	3.5	18	45	17	9.5	0.67	0.10	9.8
29	0.61	2.5	3.5	4.4	---	12	72	13	5.9	0.66	4.8	5.4
30	0.79	2.5	3.2	4.2	---	11	27	9.7	4.1	0.55	2.3	3.9
31	0.64	---	2.8	4.2	---	9.9	---	9.0	---	0.41	0.98	---
TOTAL	35.15	56.24	127.3	144.0	122.6	337.3	376.7	633.5	401.3	33.90	29.55	211.60
MEAN	1.13	1.87	4.11	4.65	4.38	10.9	12.6	20.4	13.4	1.09	0.95	7.05
MAX	6.0	5.5	12	12	9.6	38	72	77	92	3.2	7.7	65
MIN	0.32	0.57	1.7	2.2	3.4	3.1	5.6	8.0	4.0	0.41	0.10	0.70
CFSM	0.15	0.25	0.56	0.63	0.59	1.47	1.70	2.77	1.81	0.15	0.13	0.96
IN.	0.18	0.28	0.64	0.73	0.62	1.70	1.90	3.19	2.02	0.17	0.15	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

MEAN	6.38	11.8	17.5	17.4	17.7	25.3	23.3	17.0	11.5	4.44	3.94	4.65
MAX	25.0	26.4	46.1	60.3	36.9	46.4	82.2	79.1	79.2	21.1	18.9	20.6
(WY)	1997	1978	1997	1979	1970	1983	1983	1989	1972	1984	1992	1974
MIN	0.22	0.84	0.50	1.97	4.38	9.56	6.34	3.69	1.35	0.22	0.076	0.16
(WY)	1965	1966	1999	1966	2002	1981	1985	1986	1999	1966	1966	1980

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1965 - 2002	
ANNUAL TOTAL	3862.61		2509.14		13.4	
ANNUAL MEAN	10.6		6.87		22.2	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					4.47	
HIGHEST DAILY MEAN	155	Mar 30	92	Jun 7	785	Jun 19 1972
LOWEST DAILY MEAN	0.11	Sep 12	0.10	Aug 23	0.00	Jul 26 1993
ANNUAL SEVEN-DAY MINIMUM	0.17	Sep 7	0.13	Aug 22	0.01	Oct 6 1964
MAXIMUM PEAK FLOW			185	Sep 2	1640	Jun 19 1972
MAXIMUM PEAK STAGE			3.17	Sep 2	7.00	Jun 19 1972
INSTANTANEOUS LOW FLOW			0.09	Aug 24	0.00	Jul 23 1991
ANNUAL RUNOFF (CFSM)	1.43		0.93		1.81	
ANNUAL RUNOFF (INCHES)	19.47		12.65		24.64	
10 PERCENT EXCEEDS	26		14		29	
50 PERCENT EXCEEDS	4.5		3.9		7.7	
90 PERCENT EXCEEDS	0.50		0.49		0.71	

