

## CONNECTICUT RIVER BASIN

## 01193500 SALMON RIVER NEAR EAST HAMPTON, CT

**LOCATION.**--Lat 41°32'53", long 72°26'59", Middlesex County, Hydrologic Unit 01080205, on left bank at State Route 16 Bridge, 450 ft downstream from New London-Middlesex County line, 300 ft downstream from Comstock Bridge, 0.7 mi downstream from Dickinson Creek, and 3.5 mi southeast of East Hampton.

**DRAINAGE AREA.**--100 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

**PERIOD OF RECORD.**--July 1928 to current year.

**REVISED RECORDS.**--WSP 1201: 1929. WDR CT-78-1: 1976 (P). WDR CT-83-1: Drainage area.

**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 64.38 ft above sea level. Prior to June 23, 1974, at datum 2.99 ft higher for site and datum then in use; prior to May 20, 1980, at datum 2.80 ft higher and at site 400 ft upstream; prior to June 24, 1987, at datum 0.67 ft lower for site and datum then in use. Satellite telemetry at station.

**REMARKS.**--No estimated daily discharges. Records good. Slight regulation at low flow by ponds upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	49	75	382	202	1080	242	90	66	25	7.9	12
2	22	46	68	222	728	592	225	86	61	37	6.8	11
3	19	44	63	771	1610	390	210	85	59	81	5.9	10
4	19	43	59	855	709	1450	200	108	50	51	5.5	9.7
5	18	43	58	313	573	735	185	127	44	41	24	9.3
6	17	43	53	184	429	512	176	113	41	29	28	42
7	19	42	51	169	367	537	170	101	39	25	13	53
8	38	40	51	150	341	389	161	106	36	19	11	54
9	232	41	58	400	303	345	154	122	33	16	10	46
10	324	39	57	510	303	327	150	101	32	16	8.7	164
11	229	101	55	267	285	302	141	85	32	14	8.0	216
12	128	112	53	209	269	281	149	76	29	13	8.4	91
13	87	83	52	178	343	267	138	69	30	13	8.1	54
14	90	72	52	137	277	257	130	64	34	12	15	45
15	158	63	48	700	228	314	124	60	34	11	47	49
16	106	56	48	940	217	313	124	56	27	10	29	572
17	83	58	53	463	211	371	176	53	24	9.6	19	916
18	66	67	65	615	454	434	160	54	24	15	15	303
19	57	61	58	1240	573	356	139	101	22	44	12	145
20	51	58	56	568	363	283	139	780	21	55	9.8	93
21	46	60	54	398	285	252	137	337	20	30	16	78
22	46	55	56	415	229	1110	126	184	19	20	22	89
23	45	51	53	376	189	745	148	143	18	16	19	77
24	43	50	51	853	185	478	183	290	16	14	16	63
25	41	47	58	917	185	410	145	375	15	16	13	56
26	39	106	60	511	194	342	126	212	14	21	18	50
27	39	207	55	386	195	302	113	153	14	22	32	45
28	39	132	65	343	343	387	104	121	13	14	27	42
29	56	95	76	302	---	382	99	101	13	11	20	41
30	51	82	185	254	---	302	93	87	12	9.6	15	97
31	47	---	314	208	---	258	---	76	---	8.7	13	---
TOTAL	2281	2046	2160	14236	10590	14503	4567	4516	892	718.9	503.1	3533.0
MEAN	73.6	68.2	69.7	459	378	468	152	146	29.7	23.2	16.2	118
MAX	324	207	314	1240	1610	1450	242	780	66	81	47	916
MIN	17	39	48	137	185	252	93	53	12	8.7	5.5	9.3
CFSM	.74	.68	.70	4.59	3.78	4.68	1.52	1.46	.30	.23	.16	1.18
IN.	.85	.76	.80	5.30	3.94	5.40	1.70	1.68	.33	.27	.19	1.31

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1999, BY WATER YEAR (WY)

MEAN	88.3	163	218	255	255	373	338	224	134	63.5	54.4	65.1
MAX	734	551	641	1144	623	797	803	482	801	426	357	834
(WY)	1956	1956	1973	1979	1973	1936	1983	1989	1982	1938	1955	1938
MIN	12.4	25.2	41.5	25.2	64.6	170	110	82.6	22.4	8.41	7.50	5.80
(WY)	1931	1932	1944	1981	1934	1985	1985	1986	1957	1957	1957	1943

**CONNECTICUT RIVER BASIN**  
**01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued**

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1929 - 1999	
ANNUAL TOTAL	77910		60546.0			
ANNUAL MEAN	213		166		186	
HIGHEST ANNUAL MEAN					326	1973
LOWEST ANNUAL MEAN					84.9	1966
HIGHEST DAILY MEAN	2380	Mar 10	1610	Feb 3	8720	Sep 21 1938
LOWEST DAILY MEAN	15	Sep 20	5.5	Aug 4	1.0	Oct 13 1929
ANNUAL SEVEN-DAY MINIMUM	18	Sep 15	7.9	Jul 29	3.0	Sep 6 1963
INSTANTANEOUS PEAK FLOW			2610	Feb 2	18500	Jun 6 1982
INSTANTANEOUS PEAK STAGE			6.86	Feb 2	14.40	Jun 6 1982
INSTANTANEOUS LOW FLOW			a5.3	Aug 4	.90	Jan 19 1997
ANNUAL RUNOFF (CFSM)	2.13		1.66		1.86	
ANNUAL RUNOFF (INCHES)	28.98		22.52		25.21	
10 PERCENT EXCEEDS	479		393		405	
50 PERCENT EXCEEDS	132		67		117	
90 PERCENT EXCEEDS	27		14		18	

a Also occurred on Aug. 5.

