

## INDIAN RIVER BASIN

## 01195100 INDIAN RIVER NEAR CLINTON, CT

**LOCATION.**--Lat 41°18'21", long 72°31'54", Middlesex County, Hydrologic Unit 01100004, on right downstream side of bridge at Hurd Bridge Road, 2.0 mi north of Clinton.

**DRAINAGE AREA.**--5.68 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1961 to September 1973, occasional low-flow measurements. November 1981 to current year.

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

**GAGE.**--Water-stage recorder. Datum of gage is 34.81 ft above sea level.

**REMARKS.**--Records good except those for periods of estimated daily discharges, which are fair.

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	.43	1.3	2.4	e2.0	e6.5	43	11	4.5	3.6	.47	.10	.55
2	.42	1.2	2.0	e1.8	32	23	10	4.5	3.2	.74	.04	.47
3	.41	1.0	2.0	35	80	17	9.2	4.2	3.2	.93	.01	.39
4	.37	1.0	2.0	38	32	47	8.7	6.7	2.2	1.0	.00	.37
5	.37	.97	1.9	e13	27	26	8.0	6.7	1.8	.84	.00	.43
6	.37	.95	1.7	e7.8	20	23	7.4	5.6	1.6	.58	.00	.74
7	.36	.91	1.6	e6.8	17	31	7.1	5.8	1.8	.41	.00	.48
8	.55	.91	1.6	e6.2	15	e17	6.9	5.4	1.3	.60	.66	.94
9	2.2	.91	1.9	e12	13	e15	6.8	5.6	1.0	.55	.43	2.2
10	6.9	.81	1.9	e18	13	e13	8.2	4.6	.91	.37	.43	11
11	5.5	2.2	1.6	e11	11	e12	6.8	3.9	.91	.23	4.2	16
12	2.9	4.3	1.5	e8.0	10	e11	8.2	3.6	.83	.19	4.2	5.2
13	1.9	2.6	1.5	e7.0	10	11	6.8	3.3	.86	.22	1.7	2.8
14	1.5	2.2	1.4	e6.5	8.7	10	6.6	2.9	2.3	.19	1.5	1.9
15	2.9	1.7	1.4	e13	7.6	15	5.6	2.8	2.6	.17	2.0	1.9
16	2.0	1.4	1.4	30	e6.9	17	5.7	3.0	1.3	.16	1.3	30
17	1.4	1.5	1.5	18	e6.6	20	9.8	2.5	.94	.15	.82	35
18	1.1	1.8	1.9	17	18	23	7.2	2.3	1.0	.15	.59	13
19	.95	1.6	1.7	30	23	18	6.4	3.3	1.2	.16	.47	6.8
20	.88	1.3	1.6	19	15	14	5.8	22	.81	.17	.37	4.9
21	.84	2.1	1.5	14	e9.5	12	5.8	10	.64	.15	3.7	4.2
22	.80	1.6	1.7	17	e8.0	37	5.5	5.9	.56	.17	2.9	4.5
23	.77	1.3	1.7	14	e7.0	26	6.8	7.8	.50	.19	1.5	3.8
24	.78	1.2	1.5	33	e6.5	21	12	32	.43	.16	.88	2.9
25	.78	1.4	1.4	43	e6.2	19	7.7	32	.41	.14	.63	2.5
26	.76	3.8	1.3	23	e5.9	15	6.5	16	.47	.16	2.0	2.2
27	.72	7.6	e1.2	18	e5.7	13	5.8	11	.41	.17	3.9	1.7
28	.74	4.2	e1.2	e13	14	16	5.2	7.7	.40	.14	2.4	1.6
29	1.6	3.1	1.8	e11	---	16	5.0	6.1	.38	.11	1.3	1.7
30	2.0	2.6	4.4	e8.0	---	13	4.7	5.1	.34	.10	.79	3.8
31	1.4	---	e2.7	e7.0	---	12	---	4.3	---	.12	.64	---
TOTAL	44.60	59.46	54.9	501.1	435.1	606	217.2	241.1	37.90	9.89	39.46	163.97
MEAN	1.44	1.98	1.77	16.2	15.5	19.5	7.24	7.78	1.26	.32	1.27	5.47
MAX	6.9	7.6	4.4	43	80	47	12	32	3.6	1.0	4.2	35
MIN	.36	.81	1.2	1.8	5.7	10	4.7	2.3	.34	.10	.00	.37
CFSM	.25	.35	.31	2.85	2.74	3.44	1.27	1.37	.22	.06	.22	.96
IN.	.29	.39	.36	3.28	2.85	3.97	1.42	1.58	.25	.06	.26	1.07

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1999, BY WATER YEAR (WY)

MEAN	5.19	10.7	14.4	14.7	14.7	17.3	17.4	10.9	8.82	2.50	3.16	2.10
MAX	24.0	26.7	36.8	25.2	29.3	37.7	38.9	21.3	57.1	13.4	12.5	7.30
(WY)	1991	1984	1984	1982	1984	1994	1983	1989	1982	1984	1992	1992
MIN	.30	1.98	1.77	4.80	7.42	8.57	6.16	3.55	1.11	.32	.22	.19
(WY)	1998	1999	1999	1985	1985	1990	1985	1986	1994	1999	1993	1997

e Estimated.

**INDIAN RIVER BASIN**  
**01195100 INDIAN RIVER NEAR CLINTON, CT—Continued**

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1982 - 1999	
ANNUAL TOTAL	4256.07		2410.68			
ANNUAL MEAN	11.7		6.60		9.87	
HIGHEST ANNUAL MEAN					16.8	1984
LOWEST ANNUAL MEAN					5.84	1988
HIGHEST DAILY MEAN	237	Jan 24	80	Feb 3	576	Jun 6 1982
LOWEST DAILY MEAN	.12	Aug 9	.00	Aug 4	.00	Jul 22 1991
ANNUAL SEVEN-DAY MINIMUM	.13	Aug 9	.02	Aug 1	.02	Aug 9 1993
INSTANTANEOUS PEAK FLOW			146	Feb 3	<b>a</b> 2600	Jun 6 1982
INSTANTANEOUS PEAK STAGE			3.55	Feb 3	<b>b</b> 8.29	Jun 6 1982
INSTANTANEOUS LOW FLOW			<b>d</b> .00	Aug 5	<b>c</b> .00	Jul 22 1991
ANNUAL RUNOFF (CFPM)	2.05		1.16		1.74	
ANNUAL RUNOFF (INCHES)	27.87		15.79		23.61	
10 PERCENT EXCEEDS	24		17		22	
50 PERCENT EXCEEDS	4.4		2.6		6.0	
90 PERCENT EXCEEDS	.44		.38		.50	

- a** From contracted-opening measurement.  
**b** From digital recorder and floodmarks in gage well.  
**c** Also occurred on July 23, 1991.  
**d** Also occurred Aug. 6-8.

