

Water-Data Report 2012

**01125490 LITTLE RIVER AT HARRISVILLE, CT**

Connecticut Coastal Basin  
Quinebaug Subbasin

LOCATION.--Lat 41°55'40.24", long 71°55'48.03" referenced to North American Datum of 1983, Windham County, CT, Hydrologic Unit 01100001, at bridge on Harrisville Rd., 0.5 mi. east of Harrisville and 1.25 mi. northwest of Putnam.

DRAINAGE AREA.--35.8 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Discharge: Aug. 1961 to Sep. 1971, June 2011 to Sep. 2012. Annual maximum: 1936, 1938, 1972 to 1976.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 254.3 ft. above North American Vertical Datum of 1988. Prior to June 2011, datum of gage reported as 254.9 ft. above National Geodetic Vertical Datum of 1929, at same location. Satellite telemetry at station.

REMARKS.--Records good for the period June 10, 2011 to Sep. 30, 2012. Diversion above station for municipal supply of city of Putnam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge for the period June 10, 2011 to Sep. 30, 2012, 830 ft<sup>3</sup>/s, Aug. 29, 2011, gage height, 5.55 ft.; minimum discharge for period, 3.1 ft<sup>3</sup>/s, Aug. 5, 2011.

## 01125490 LITTLE RIVER AT HARRISVILLE, CT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	33	8.0	150
2	---	---	---	---	---	---	---	---	---	28	7.4	104
3	---	---	---	---	---	---	---	---	---	25	6.2	78
4	---	---	---	---	---	---	---	---	---	23	6.5	62
5	---	---	---	---	---	---	---	---	---	20	5.1	51
6	---	---	---	---	---	---	---	---	---	18	5.9	59
7	---	---	---	---	---	---	---	---	---	16	39	135
8	---	---	---	---	---	---	---	---	---	16	52	426
9	---	---	---	---	---	---	---	---	---	23	37	658
10	---	---	---	---	---	---	---	---	30	22	51	417
11	---	---	---	---	---	---	---	---	40	19	46	258
12	---	---	---	---	---	---	---	---	101	16	34	175
13	---	---	---	---	---	---	---	---	121	14	26	132
14	---	---	---	---	---	---	---	---	100	12	20	105
15	---	---	---	---	---	---	---	---	79	11	66	87
16	---	---	---	---	---	---	---	---	59	10	239	74
17	---	---	---	---	---	---	---	---	51	8.8	194	64
18	---	---	---	---	---	---	---	---	62	8.3	122	57
19	---	---	---	---	---	---	---	---	56	8.1	79	50
20	---	---	---	---	---	---	---	---	43	7.5	54	47
21	---	---	---	---	---	---	---	---	34	7.0	38	47
22	---	---	---	---	---	---	---	---	29	6.9	29	47
23	---	---	---	---	---	---	---	---	37	6.5	23	54
24	---	---	---	---	---	---	---	---	47	6.8	19	122
25	---	---	---	---	---	---	---	---	49	8.1	16	147
26	---	---	---	---	---	---	---	---	81	10	17	119
27	---	---	---	---	---	---	---	---	92	15	22	94
28	---	---	---	---	---	---	---	---	72	13	292	74
29	---	---	---	---	---	---	---	---	53	11	736	74
30	---	---	---	---	---	---	---	---	42	11	440	88
31	---	---	---	---	---	---	---	---	---	9.1	242	---
<b>Total</b>	---	---	---	---	---	---	---	---	---	443.1	2,972.1	4,055
<b>Mean</b>	---	---	---	---	---	---	---	---	---	14.3	95.9	135
<b>Max</b>	---	---	---	---	---	---	---	---	---	33	736	658
<b>Min</b>	---	---	---	---	---	---	---	---	---	6.5	5.1	47
<b>Cfsm</b>	---	---	---	---	---	---	---	---	---	0.40	2.68	3.78
<b>In.</b>	---	---	---	---	---	---	---	---	---	0.46	3.09	4.21

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	15.2	35.7	50.6	53.4	74.4	130	107	57.0	30.8	11.4	14.0	21.4
<b>Max</b>	63.5	81.1	140	120	224	204	190	136	80.3	29.7	95.9	135
<b>(WY)</b>	(1963)	(1963)	(1970)	(1962)	(1970)	(1968)	(1967)	(1967)	(1968)	(1968)	(2011)	(2011)
<b>Min</b>	3.00	9.38	16.5	15.2	29.7	73.6	39.1	20.9	8.99	3.05	1.40	1.04
<b>(WY)</b>	(1965)	(1966)	(1966)	(1966)	(1969)	(1965)	(1966)	(1965)	(1964)	(1965)	(1966)	(1964)

01125490 LITTLE RIVER AT HARRISVILLE, CT—Continued

SUMMARY STATISTICS

Water Years 1961 - 2011		
Annual mean	48.4	
Highest annual mean	76.3	1970
Lowest annual mean	25.8	1965
Highest daily mean	1,140	Feb 4, 1970
Lowest daily mean	0.30	Sep 22, 1964 <sup>a</sup>
Annual seven-day minimum	0.46	Sep 20, 1964
Maximum peak flow	1,240	Feb 3, 1970
Maximum peak stage	6.91	Feb 3, 1970
Instantaneous low flow	0.30	Sep 22, 1964 <sup>a</sup>
Annual runoff (cfsm)	1.35	
Annual runoff (inches)	18.37	
10 percent exceeds	118	
50 percent exceeds	26	
90 percent exceeds	2.9	

<sup>a</sup> Also Sep. 24, 1964.



## 01125490 LITTLE RIVER AT HARRISVILLE, CT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	85	164	245	103	91	57	38	50	19	16	16	15
2	83	154	187	100	85	68	41	65	52	21	12	12
3	86	142	148	93	79	75	39	70	122	19	9.6	9.6
4	108	131	125	77	73	92	35	77	118	17	7.7	18
5	143	117	111	69	68	85	32	69	99	15	7.2	28
6	124	104	105	67	63	72	30	60	81	12	8.4	31
7	99	96	130	66	60	65	28	52	72	10	8.3	26
8	83	89	443	67	57	73	26	46	58	8.9	7.3	20
9	70	82	453	63	55	88	25	55	48	7.4	6.1	21
10	64	83	305	61	53	87	24	101	40	6.2	8.4	19
11	59	132	225	58	52	75	23	125	33	5.5	26	15
12	59	142	180	82	49	66	24	106	29	5.7	24	12
13	100	123	155	155	44	60	27	85	37	5.3	19	10
14	151	104	138	149	42	57	27	72	44	5.2	15	8.6
15	184	92	127	113	43	53	26	67	40	4.9	21	8.0
16	160	88	122	86	46	50	24	91	33	5.0	36	6.2
17	127	124	113	75	53	48	23	90	27	4.5	33	5.6
18	102	129	103	82	56	47	20	66	23	7.3	31	6.0
19	93	112	92	76	53	45	19	61	20	13	28	24
20	156	98	89	71	48	44	18	54	19	12	22	22
21	179	86	88	64	44	42	18	47	17	11	17	17
22	148	78	94	62	43	41	23	48	15	8.7	13	14
23	122	139	114	61	42	39	205	58	15	7.1	10	13
24	103	230	131	91	42	36	318	48	18	7.4	8.7	11
25	95	192	115	114	58	35	206	39	22	6.9	8.0	9.7
26	89	154	99	105	58	34	134	36	26	5.8	7.2	9.1
27	91	129	91	123	51	31	96	33	24	5.5	6.2	8.8
28	133	112	142	172	47	31	71	29	20	12	26	11
29	143	103	159	153	44	34	57	25	16	40	35	34
30	157	209	132	125	---	34	47	23	14	31	27	37
31	171	---	114	104	---	34	---	21	---	21	20	---
<b>Total</b>	3,567	3,738	4,875	2,887	1,599	1,698	1,724	1,869	1,201	357.3	524.1	481.6
<b>Mean</b>	115	125	157	93.1	55.1	54.8	57.5	60.3	40.0	11.5	16.9	16.1
<b>Max</b>	184	230	453	172	91	92	318	125	122	40	36	37
<b>Min</b>	59	78	88	58	42	31	18	21	14	4.5	6.1	5.6
<b>Cfsm</b>	3.21	3.48	4.39	2.60	1.54	1.53	1.61	1.68	1.12	0.32	0.47	0.45
<b>In.</b>	3.71	3.88	5.07	3.00	1.66	1.76	1.79	1.94	1.25	0.37	0.54	0.50

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	24.3	43.8	60.3	57.0	72.6	123	103	57.3	31.7	11.4	14.3	21.0
<b>Max</b>	115	125	157	120	224	204	190	136	80.3	29.7	95.9	135
<b>(WY)</b>	(2012)	(2012)	(2012)	(1962)	(1970)	(1968)	(1967)	(1967)	(1968)	(1968)	(2011)	(2011)
<b>Min</b>	3.00	9.38	16.5	15.2	29.7	54.8	39.1	20.9	8.99	3.05	1.40	1.04
<b>(WY)</b>	(1965)	(1966)	(1966)	(1966)	(1969)	(2012)	(1966)	(1965)	(1964)	(1965)	(1966)	(1964)

01125490 LITTLE RIVER AT HARRISVILLE, CT—Continued

**SUMMARY STATISTICS**

	Water Year 2012		Water Years 1961 - 2012	
<b>Annual total</b>	24,521.0			
<b>Annual mean</b>	67.0		50.1	
<b>Highest annual mean</b>			76.3	1970
<b>Lowest annual mean</b>			25.8	1965
<b>Highest daily mean</b>	453	Dec 9	1,140	Feb 4, 1970
<b>Lowest daily mean</b>	4.5	Jul 17	0.30	Sep 22, 1964 <sup>a</sup>
<b>Annual seven-day minimum</b>	5.2	Jul 11	0.46	Sep 20, 1964
<b>Maximum peak flow</b>	566	Dec 8	1,240	Feb 3, 1970
<b>Maximum peak stage</b>	4.65	Dec 8	6.91	Feb 3, 1970
<b>Instantaneous low flow</b>	3.5	Aug 10 <sup>b</sup>	0.30	Sep 22, 1964 <sup>a</sup>
<b>Annual runoff (cfsm)</b>	1.87		1.40	
<b>Annual runoff (inches)</b>	25.48		19.01	
<b>10 percent exceeds</b>	140		120	
<b>50 percent exceeds</b>	53		27	
<b>90 percent exceeds</b>	9.6		3.2	

<sup>a</sup> Also Sep. 24, 1964.

<sup>b</sup> Also Sep. 18.

