



---

Water-Data Report 2009

**01304500 PECONIC RIVER AT RIVERHEAD, NY**

Long Island Basin  
Southern Long Island Subbasin

LOCATION.--Lat 40°54'49", long 72°41'14" referenced to North American Datum of 1927, Suffolk County, NY, Hydrologic Unit 02030202, on right bank 200 ft downstream from Long Island Power Authority dam, 0.4 mi west of Riverhead, and 1.2 mi upstream from outlet of Sweezy Pond.

DRAINAGE AREA.--74.7 mi<sup>2</sup>, revised.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 1942 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.54 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by ponds above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft<sup>3</sup>/s, Jan. 30, 1978, gage height, 1.20 ft, result of regulation; maximum gage height, 2.33 ft, Dec. 11, 1992, backwater from high tide; minimum discharge, 1.4 ft<sup>3</sup>/s, Jan. 9, 1966, Jan. 31, 1967, Dec. 6, 1969, Jan. 27, 1972, Dec. 10, 11, 1977, all result of freezeup; minimum gage height, 0.08 ft, Jan. 18, 2005, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82 ft<sup>3</sup>/s, Dec. 23, gage height, 0.73 ft; minimum discharge, 4.0 ft<sup>3</sup>/s, Jan. 1, gage height, 0.15 ft, result of freezeup.

Water-Data Report 2009  
01304500 PECONIC RIVER AT RIVERHEAD, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009  
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41	31	35	38	48	41	39	45	43	51	53	30
2	31	29	33	52	47	44	41	47	41	51	51	29
3	32	28	31	49	46	44	42	47	40	51	50	28
4	32	27	30	47	46	41	45	48	43	51	49	27
5	31	27	30	45	45	40	43	49	45	49	47	27
6	30	28	28	45	45	40	43	52	50	46	45	26
7	29	28	29	52	45	41	46	57	48	45	45	26
8	28	29	27	57	45	43	43	58	47	46	44	26
9	29	29	27	56	42	43	41	58	51	44	43	25
10	29	28	28	55	41	45	40	57	53	43	43	24
11	28	27	32	55	42	44	42	53	51	42	41	26
12	27	26	59	54	44	42	44	53	54	42	40	28
13	27	25	60	53	43	41	43	53	54	40	40	27
14	26	27	59	52	41	41	41	53	52	39	40	26
15	26	28	59	50	41	40	42	53	51	37	38	26
16	26	30	59	48	41	39	41	52	50	36	35	26
17	25	28	59	48	40	38	41	59	49	35	32	26
18	24	27	57	48	40	38	40	57	51	35	31	26
19	24	27	56	48	45	38	39	55	59	34	31	25
20	23	26	57	45	44	38	39	54	57	33	29	24
21	23	26	58	44	41	37	51	52	61	39	28	24
22	23	25	49	43	43	37	54	50	59	41	28	24
23	22	24	53	43	44	36	55	48	57	43	29	24
24	22	24	59	43	41	35	54	47	56	58	31	24
25	23	30	59	41	40	35	53	44	55	61	31	23
26	28	32	55	41	40	35	52	42	56	61	30	23
27	28	32	55	41	40	37	50	41	58	60	29	26
28	34	32	55	45	41	37	49	41	56	58	28	28
29	38	31	54	50	---	40	46	44	54	57	31	28
30	35	31	52	50	---	43	45	45	53	55	32	27
31	32	---	51	49	---	41	---	43	---	53	32	---
Total	876	842	1,455	1,487	1,201	1,234	1,344	1,557	1,554	1,436	1,156	779
Mean	28.3	28.1	46.9	48.0	42.9	39.8	44.8	50.2	51.8	46.3	37.3	26.0
Max	41	32	60	57	48	45	55	59	61	61	53	30
Min	22	24	27	38	40	35	39	41	40	33	28	23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	27.4	31.2	35.4	39.6	42.6	48.5	52.1	47.4	41.6	31.3	28.6	25.9
Max	72.5	80.6	63.8	106	105	109	96.4	96.3	104	84.7	83.4	62.6
(WY)	(2006)	(1990)	(1984)	(1979)	(1979)	(1979)	(1984)	(1958)	(1984)	(1984)	(1989)	(1954)
Min	12.5	13.3	13.2	14.7	16.4	22.8	17.1	18.7	17.1	13.5	10.8	11.1
(WY)	(1967)	(1967)	(1967)	(1966)	(1967)	(1966)	(1966)	(1966)	(1986)	(1966)	(1966)	(1966)

Water-Data Report 2009  
01304500 PECONIC RIVER AT RIVERHEAD, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2008	Water Year 2009	Water Years 1942 - 2009
Annual total	13,324	14,921	
Annual mean	36.4	40.9	37.6
Highest annual mean			67.9
Lowest annual mean			16.1
Highest daily mean	66	Mar 12	173
Lowest daily mean	18	Aug 27	3.7
Annual seven-day minimum	19	Aug 26	23
Maximum peak flow			225
Maximum peak stage			2.09
Instantaneous low flow			1.4
10 percent exceeds	55	55	63
50 percent exceeds	34	41	33
90 percent exceeds	22	26	18

