



Water-Data Report 2009

01445000 PEQUEST RIVER AT HUNTSVILLE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°58'51", long 74°46'35" referenced to North American Datum of 1983, Green Township, Sussex County, NJ, Hydrologic Unit 02040105, on right bank 20 ft upstream from bridge on Pequest Road in Huntsville and 0.4 mi downstream from Kymers Brook.

DRAINAGE AREA.--31.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1939 to October 1962, October 2002 to current year. Annual maximum and minimum, water years 1963-74, and annual maximums, water years 1975-95, 1999, 2000.

REVISED RECORDS.--WSP 1332: 1945, 1949. WDR-US-2007: 1955(M), 1975(M), 1976(M), 1979(M), 1992(M), 1999(M), 2005(M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 553.81 ft above NGVD of 1929.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year. Satellite gage-height telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 130 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 12	2245	*291	*3.84
Dec 25	1630	171	3.37
Jun 21	1300	138	3.25
Jul 3	0030	141	3.26

01445000 PEQUEST RIVER AT HUNTSVILLE, NJ—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	55	55	95	41	40	33	26	33	87	38	36
2	16	46	52	98	40	37	40	30	28	119	49	32
3	13	39	46	90	41	34	42	28	29	133	71	29
4	11	39	43	85	41	32	51	36	51	108	47	27
5	11	33	40	83	38	31	47	48	46	96	49	25
6	9.7	34	37	84	36	36	46	47	49	80	66	23
7	8.4	31	35	98	35	45	48	85	37	71	47	21
8	7.7	29	31	e110	45	45	45	81	32	67	38	20
9	7.0	28	30	e96	52	54	43	70	80	63	34	20
10	6.7	26	43	85	51	56	40	65	91	57	32	21
11	6.5	23	70	81	55	49	38	52	77	53	30	23
12	6.5	22	218	76	70	44	37	44	81	57	27	31
13	6.1	23	262	72	71	41	41	39	76	53	41	33
14	6.1	26	193	68	62	40	40	37	85	49	65	27
15	6.1	39	163	63	54	38	44	40	97	45	48	24
16	6.0	62	147	e54	49	37	41	37	100	40	38	22
17	6.3	51	138	e50	46	35	35	87	83	38	34	22
18	6.1	43	129	45	44	33	32	73	101	41	30	21
19	5.5	40	114	45	47	34	31	58	132	37	35	20
20	5.1	42	108	48	47	35	30	50	121	34	52	19
21	5.0	37	100	47	43	33	37	45	134	33	45	18
22	5.0	34	85	47	40	30	52	40	126	34	60	17
23	5.0	30	82	46	39	29	47	40	110	32	84	16
24	5.0	28	93	45	35	28	43	47	103	31	61	17
25	10	39	161	43	32	31	41	63	97	28	48	16
26	39	42	152	39	31	32	39	49	90	27	40	15
27	26	40	136	38	33	35	36	44	104	30	33	20
28	72	35	139	44	44	31	32	40	96	31	34	20
29	97	31	140	54	---	31	29	45	92	40	52	24
30	72	33	126	50	---	41	27	44	83	37	52	19
31	64	---	115	44	---	37	---	38	---	36	43	---
Total	569.8	1,080	3,283	2,023	1,262	1,154	1,187	1,528	2,464	1,687	1,423	678
Mean	18.4	36.0	106	65.3	45.1	37.2	39.6	49.3	82.1	54.4	45.9	22.6
Max	97	62	262	110	71	56	52	87	134	133	84	36
Min	5.0	22	30	38	31	28	27	26	28	27	27	15
Cfsm	0.59	1.16	3.42	2.11	1.45	1.20	1.28	1.59	2.65	1.76	1.48	0.73
In.	0.68	1.30	3.94	2.43	1.51	1.38	1.42	1.83	2.96	2.02	1.71	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	29.9	41.7	56.1	59.6	57.5	85.7	86.8	56.0	41.1	28.8	26.4	26.0
Max	140	109	157	148	152	182	162	122	146	127	88.4	119
(WY)	(2006)	(2004)	(2004)	(2006)	(2008)	(2008)	(2007)	(1947)	(2003)	(1945)	(1955)	(1960)
Min	3.97	6.38	7.02	11.3	15.7	37.2	39.6	16.9	10.2	3.31	2.77	2.51
(WY)	(1958)	(1950)	(1947)	(1940)	(1940)	(2009)	(2009)	(1941)	(1955)	(1955)	(1957)	(2005)

01445000 PEQUEST RIVER AT HUNTSVILLE, NJ—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1940 - 2009	
Annual total	22,811.3		18,338.8			
Annual mean	62.3		50.2		49.6	
Highest annual mean					83.1	1952
Lowest annual mean					26.3	1962
Highest daily mean	409	Mar 9	262	Dec 13	674	Apr 16, 2007
Lowest daily mean	2.6	Sep 5	5.0	Oct 21-24	1.6	Aug 3, 1955
Annual seven-day minimum	2.9	Aug 30	5.2	Oct 18	1.8	Aug 1, 1955
Maximum peak flow			291	Dec 12	906	Jan 25, 1979
Maximum peak stage			3.84	Dec 12	5.44	Jan 25, 1979
Instantaneous low flow			5.0	Oct 19-25	1.1	Aug 2, 1955
Annual runoff (cfsm)	2.01		1.62		1.60	
Annual runoff (inches)	27.37		22.01		21.73	
10 percent exceeds	152		96		106	
50 percent exceeds	40		41		37	
90 percent exceeds	6.3		20		6.6	

