Water-Data Report 2011

01115670 CONGDON RIVER NEAR NOOSENECK, RI

MASSACHUSETTS-RHODE ISLAND COASTAL BASIN
PAWTUXET RIVER SUBBASIN

LOCATION.--Lat 41°36′44″, long 71°37′24″ referenced to North American Datum of 1927, Kent County, Hydrologic Unit 01090004, on left bank, approximately 150 ft upstream of Congdon Mill Road, 0.8 mi upstream of Nooseneck River and Big River, and 0.9 mi southeast of Nooseneck.

DRAINAGE AREA.--4.39 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2006 to November 2011.

REVISED RECORDS.--Annual peak discharges, water years 2007 - 2009.

GAGE.--Water-stage recorder with telephone telemeter. Elevation of gage is 275 ft above National Geodetic Vertical Datum of 1929, from topographic map.

COOPERATION.--Rhode Island Water Resources Board.

REMARKS.--Records good except those for estimated daily discharge, which are poor.

REVISIONS.--Annual peak discharges for water years 2007 - 2009 are revised with the following values that supersede those peak discharge values published in the indicated water year data reports:

Water year 2007, Mar. 2, 2007, revised annual peak discharge, 373 cfs.
Water Year 2008, Aug. 11, 2008, revised annual peak discharge, 292 cfs.
Water Year 2009, Dec. 12, 2008, revised annual peak discharge, 254 cfs.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01115670, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01115670.2011.pdf

01115670 CONGDON RIVER NEAR NOOSENECK, RI—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

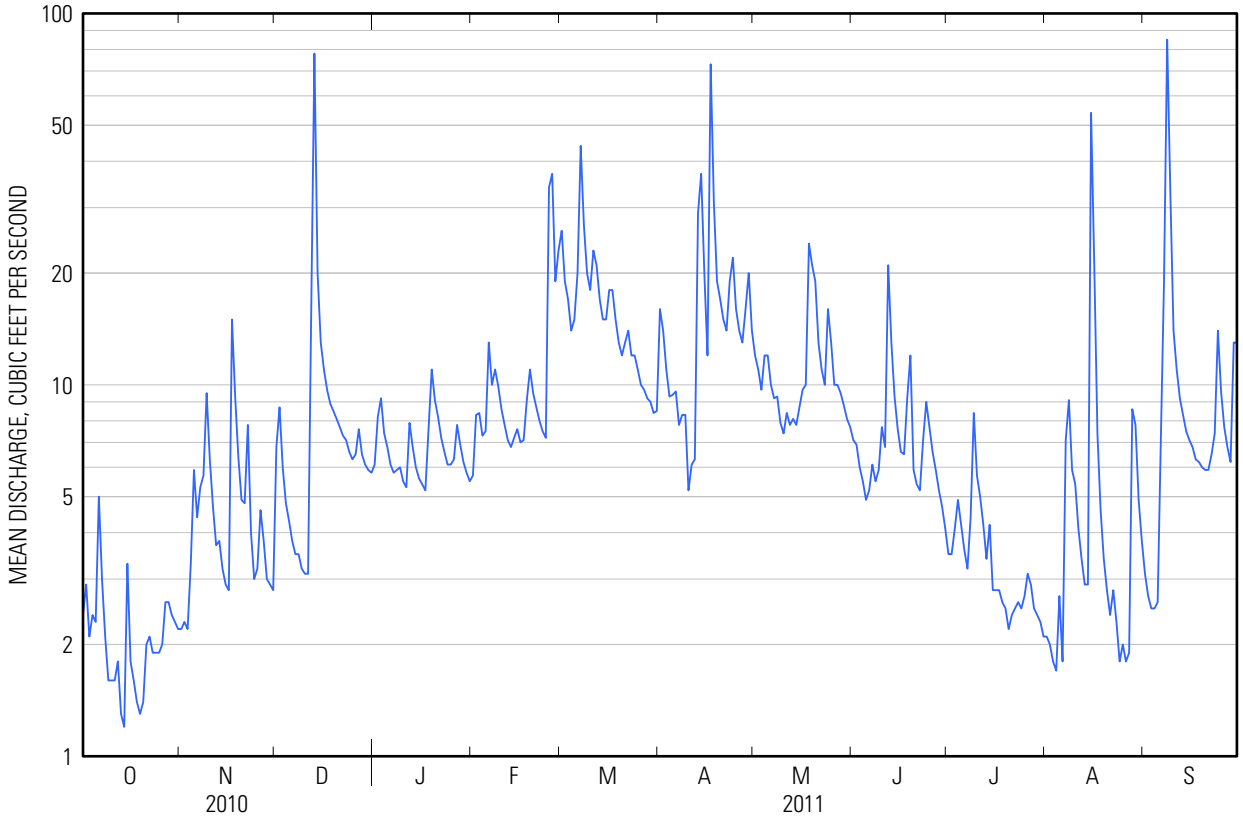
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.4	2.2	6.8	6.1	5.7	26	16	12	7.1	3.5	2.1	3.1
2	2.9	2.3	8.7	8.2	8.3	19	14	11	6.9	3.5	2.0	2.7
3	2.1	2.2	6.0	9.2	8.4	17	11	9.7	6.0	4.1	1.8	2.5
4	2.4	3.3	4.8	7.4	e7.3	14	9.3	12	5.5	4.9	1.7	2.5
5	2.3	5.9	e4.3	6.8	7.5	15	9.4	12	4.9	4.2	2.7	2.6
6	5.0	4.4	e3.8	6.1	13	20	9.6	10	5.2	3.6	1.8	7.1
7	3.0	5.3	3.5	5.8	10	44	7.8	9.2	6.1	3.2	7.1	19
8	2.1	5.7	3.5	5.9	11	27	8.3	9.3	5.5	4.4	9.1	85
9	1.6	9.5	3.2	6.0	9.9	20	8.3	7.9	5.9	8.4	5.9	33
10	1.6	6.3	3.1	5.5	8.6	18	5.2	7.4	7.7	5.7	5.4	14
11	1.6	4.7	3.1	5.3	e7.8	23	6.1	8.4	6.8	5.0	4.1	11
12	1.8	3.7	16	7.9	7.1	21	6.3	7.8	21	4.2	3.4	9.2
13	1.3	3.8	78	6.8	6.8	17	29	8.1	13	3.4	2.9	8.3
14	1.2	3.2	20	6.0	7.2	15	37	7.8	9.3	4.2	2.9	7.5
15	3.3	2.9	13	5.6	7.6	15	20	8.7	7.6	2.8	54	7.1
16	1.8	2.8	11	5.4	7.0	18	12	9.7	6.6	2.8	21	6.8
17	1.6	15	9.7	5.2	7.1	18	73	10	6.5	2.8	7.4	6.3
18	1.4	9.3	8.9	7.6	9.1	15	31	24	9.2	2.6	4.6	6.2
19	1.3	6.4	8.5	11	11	13	19	21	12	2.5	3.4	6.0
20	1.4	4.9	8.1	9.1	9.5	12	17	19	5.9	2.2	2.8	5.9
21	2.0	4.8	7.7	8.2	8.7	13	15	13	5.4	2.4	2.4	5.9
22	2.1	7.8	7.3	7.2	8.0	14	14	11	5.2	2.5	2.8	6.5
23	1.9	4.0	7.1	e6.6	7.5	12	19	10	7.1	2.6	2.3	7.4
24	1.9	3.0	6.6	6.1	7.2	12	22	16	9.0	2.5	1.8	14
25	1.9	3.2	6.3	6.1	34	11	16	13	7.7	2.7	2.0	9.6
26	2.0	4.6	6.5	6.3	37	10	14	10	6.6	3.1	1.8	7.7
27	2.6	3.8	7.6	7.8	19	9.7	13	10	5.9	2.9	1.9	6.8
28	2.6	3.0	6.5	6.9	23	9.2	16	9.5	5.2	2.5	8.6	6.2
29	2.4	2.9	6.1	6.2	---	9.0	20	8.8	4.7	2.4	7.8	13
30	2.3	2.8	5.9	5.8	---	8.4	14	8.1	4.1	2.3	4.9	13
31	2.2	---	5.8	5.5	---	8.5	---	7.7	---	2.1	3.8	---
Total	66.0	143.7	297.4	209.6	314.3	503.8	512.3	342.1	219.6	106.0	186.2	335.9
Mean	2.13	4.79	9.59	6.76	11.2	16.3	17.1	11.0	7.32	3.42	6.01	11.2
Max	5.0	15	78	11	37	44	73	24	21	8.4	54	85
Min	1.2	2.2	3.1	5.2	5.7	8.4	5.2	7.4	4.1	2.1	1.7	2.5
Cfsm	0.48	1.09	2.19	1.54	2.56	3.70	3.89	2.51	1.67	0.78	1.37	2.55
In.	0.56	1.22	2.52	1.78	2.66	4.27	4.34	2.90	1.86	0.90	1.58	2.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.37	8.81	13.1	10.4	12.2	25.4	19.7	9.93	6.01	5.71	4.56	5.54
Max	8.27	16.9	20.5	14.7	17.8	61.4	27.5	12.0	7.58	18.3	6.73	11.2
(WY)	(2010)	(2007)	(2009)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2009)	(2009)	(2011)
Min	2.13	2.93	4.61	5.76	6.50	11.1	10.8	7.70	4.36	1.57	1.69	1.31
(WY)	(2011)	(2008)	(2008)	(2008)	(2007)	(2009)	(2008)	(2008)	(2008)	(2010)	(2010)	(2007)

01115670 CONGDON RIVER NEAR NOOSENECK, RI—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 2007 - 2011	
Annual total	4,739.30		3,236.9			
Annual mean	13.0		8.87		10.6	
Highest annual mean					15.0	2010
Lowest annual mean					7.48	2008
Highest daily mean	482	Mar 30	[a]85	Sep 8	[a]482	Mar 30, 2010
Lowest daily mean	0.63	Aug 21	1.2	Oct 14	0.61	Sep 6, 2007
Annual seven-day minimum	0.74	Aug 15	1.6	Oct 8	0.66	Sep 2, 2007
Maximum peak flow			[b]193	Sep 8	[b]586	Mar 30, 2010
Maximum peak stage			[b]3.36	Sep 8	[b]4.34	Mar 30, 2010
Instantaneous low flow			1.1	Oct 14	0.57	Aug 21, 2010
Annual runoff (cfsm)	2.96		2.02		2.41	
Annual runoff (inches)	40.16		27.43		32.68	
10 percent exceeds	26		17		19	
50 percent exceeds	5.8		6.8		7.5	
90 percent exceeds	1.2		2.3		1.9	

[a] Estimated.
[b] From peak stage indicator.