Water-Data Report 2011

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°44′51″, long 73°09′01″ referenced to North American Datum of 1983, Suffolk County, NY, Hydrologic Unit 02030202, on left bank just downstream from bridge on State Highway 27, 1.0 mi west of Oakdale, and 2 mi north of Village of Great River.

DRAINAGE AREA.--24.5 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1943 to current year (monthly means estimated October 1974 to September 1975).

REVISED RECORDS.--WDR-US-2009: Drainage area.

GAGE.--

Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum is 1.56 ft above NGVD of 1929.

Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi northeast of base gage at datum of 4.74 ft above NGVD of 1929. Prior to Aug. 10, 1965, at datum 1.00 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures are those of combined flows in main and secondary channels.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft^3/s, Oct. 16, 1955; minimum daily discharge, 9.3 ft^3/s, Nov. 25, 27, 1982, result of regulation. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, about 90 ft^3/s, Aug. 28; minimum daily discharge, 26 ft^3/s, July 23, Aug. 13. Maximum and minimum instantaneous discharges not determined.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01306500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01306500.2011.pdf

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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	e43	38	e45	36	35	52	e53	48	49	33	27	45
2	36	39	43	38	e45	51	47	48	49	32	27	45
3	33	39	38	40	42	47	44	48	47	34	28	44
4	e38	42	37	38	39	48	45	e53	47	34	32	42
5	42	e50	37	37	38	47	50	48	46	33	28	41
6	37	40	37	38	e47	49	44	48	46	33	27	44
7	36	37	32	41	40	e64	44	48	46	33	31	e56
8	30	37	33	42	e49	51	43	48	45	e36	29	52
9	27	39	32	36	41	50	44	46	43	37	e32	47
10	31	40	31	30	40	51	44	49	e46	33	36	45
11	29	55	35	30	39	e55	45	47	40	32	29	43
12	34	47	e47	e41	39	50	e45	47	43	33	27	42
13	33	39	e64	30	39	47	46	46	42	29	26	42
14	34	39	47	32	41	46	47	46	41	28	e87	41
15	e59	39	44	34	41	46	44	48	42	31	e79	38
16	39	37	43	35	40	e53	e47	46	41	29	e58	37
17	38	e43	42	32	41	48	e71	e56	e44	27	45	36
18	38	31	42	e43	44	47	53	e64	e48	e30	42	35
19	37	30	41	e48	45	46	50	e64	42	37	44	38
20	37	35	42	41	42	45	49	57	38	33	40	37
21	38	30	41	e45	e47	47	47	56	37	31	e46	35
22	33	34	42	39	43	47	46	55	36	27	43	35
23	30	35	39	37	42	e49	e58	54	37	26	36	e44
24	33	32	40	37	43	51	53	53	38	27	34	e58
25	37	31	40	35	e63	48	52	50	41	30	37	41
26	36	39	41	e42	56	46	51	49	38	e34	33	40
27	38	34	e43	e44	53	45	51	48	36	30	e42	39
28	36	29	35	38	e58	45	e55	46	35	27	e90	40
29	35	31	35	37	---	44	52	47	36	e35	e65	43
30	35	31	37	38	---	44	48	47	34	30	50	41
31	35	---	37	35	---	45	---	48	---	27	47	---
Total	1,117	1,122	1,242	1,169	1,232	1,504	1,468	1,558	1,253	971	1,297	1,266
Mean	36.0	37.4	40.1	37.7	44.0	48.5	48.9	50.3	41.8	31.3	41.8	42.2
Max	59	55	64	48	63	64	71	64	49	37	90	58
Min	27	29	31	30	35	44	43	46	34	26	26	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.4	36.4	38.8	39.7	40.8	44.3	45.6	43.4	40.9	36.1	34.6	33.2
Max	70.7	67.4	55.2	65.1	62.3	70.7	74.8	68.7	70.4	64.3	52.1	48.6
(WY)	(2006)	(1956)	(1991)	(1979)	(1979)	(2010)	(2010)	(1998)	(1998)	(1984)	(1984)	(1984)
Min	22.0	17.3	21.8	24.0	23.8	29.3	25.8	28.2	23.8	17.8	17.7	21.2
(WY)	(1967)	(1983)	(1967)	(1967)	(1967)	(2002)	(1966)	(1966)	(2002)	(2002)	(2002)	(1986)

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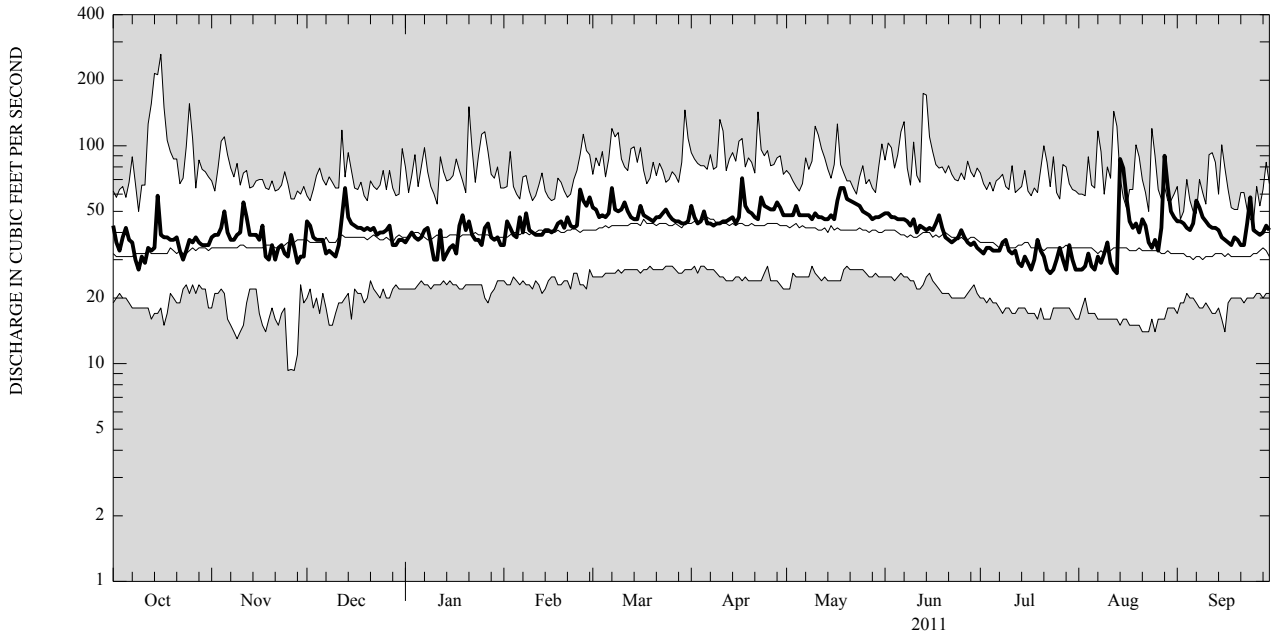
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1944 - 2011	
Annual total	17,340		15,199			
Annual mean	47.5		41.6		39.0	
Highest annual mean					52.5	1984
Lowest annual mean					24.9	1966
Highest daily mean	146	Mar 30	90	Aug 28	263	Oct 16, 1955
Lowest daily mean	25	Sep 15	26	Jul 23	9.3	Nov 25, 1982
Annual seven-day minimum	28	Sep 10	28	Jul 31	13	Nov 22, 1982
10 percent exceeds	70		51		53	
50 percent exceeds	43		41		37	
90 percent exceeds	32		31		27	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.