Water-Data Report 2013

01374821 TITICUS RIVER AT PURDYS STATION, NY

Lower Hudson Basin
Lower Hudson Subbasin

LOCATION.--Lat 41°19'37.9", long 73°39'21.0" referenced to North American Datum of 1983, Westchester County, NY, Hydrologic Unit 02030101, on left bank 40 ft upstream from bridge on State Highway 22 in Purdys Station, 0.3 mi upstream from mouth, and 0.45 mi downstream from dam on Titicus Reservoir.

DRAINAGE AREA.--23.8 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 201.80 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Titicus Reservoir. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft^3/s, Aug. 28, 2011, gage height, 8.75 ft; minimum discharge, 1.3 ft^3/s, Jan. 31, 2002, gage height, 1.02 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 484 ft^3/s, June 8, gage height, 4.71 ft; minimum discharge, 6.2 ft^3/s, Oct. 2, 3, 4, gage height, 1.58 ft; minimum gage height, 1.56 ft, on several days in July and August.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01374821, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01374821.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.8	9.5	7.2	58	133	182	36	14	38	43	9.1	9.7
2	7.4	9.1	7.2	52	76	133	33	12	31	60	9.1	12
3	6.8	9.1	7.1	46	54	97	29	14	77	54	9.2	36
4	6.6	9.1	7.0	42	42	77	26	14	77	40	9.5	36
5	6.9	9.1	6.9	40	36	66	25	13	46	30	9.3	25
6	7.2	8.9	6.9	39	34	63	24	11	32	24	9.0	16
7	7.2	9.2	7.0	37	31	60	23	12	85	20	8.9	12
8	7.1	9.1	7.1	35	36	72	22	20	421	16	9.1	10
9	7.0	9.1	6.9	34	48	67	22	29	311	13	11	9.7
10	7.0	8.9	7.0	33	39	71	24	32	195	12	17	9.8
11	6.9	8.8	6.8	35	41	77	32	37	204	13	14	9.9
12	6.8	8.6	6.7	64	48	130	43	e30	168	17	11	11
13	7.0	8.6	6.7	79	48	220	39	e23	164	15	11	18
14	7.4	8.5	6.8	72	47	161	36	20	367	10	9.7	20
15	7.8	8.3	6.8	66	44	108	31	17	269	10	9.1	16
16	7.6	8.5	6.8	70	48	85	27	15	173	10	9.1	13
17	7.4	8.2	6.8	61	45	74	25	13	125	9.2	9.1	12
18	7.6	8.2	7.5	54	36	67	19	11	103	9.1	9.1	10
19	8.6	8.2	6.8	46	38	78	18	12	107	9.1	9.1	10
20	7.6	8.1	6.7	43	51	79	27	13	81	9.1	9.1	10
21	7.6	8.0	11	45	46	79	26	13	61	9.4	9.1	11
22	7.8	8.0	8.2	39	39	69	26	14	50	9.4	9.2	18
23	8.0	8.0	49	29	37	61	21	55	41	10	9.2	23
24	8.0	8.0	78	25	42	57	20	230	43	16	9.3	18
25	8.0	8.0	80	21	55	55	22	254	63	16	9.4	14
26	8.0	7.7	86	20	57	46	18	207	49	11	9.4	13
27	8.0	7.7	125	19	183	44	16	133	44	9.4	10	12
28	8.1	7.4	141	19	262	41	15	90	69	9.2	11	11
29	9.1	7.6	109	21	---	39	14	76	59	9.1	11	11
30	9.9	7.6	84	27	---	37	15	62	43	9.0	10	12
31	9.7	---	66	121	---	35	---	49	---	8.9	9.8	---
Total	236.9	253.1	975.9	1,392	1,696	2,530	754	1,545	3,596	540.9	308.9	449.1
Mean	7.64	8.44	31.5	44.9	60.6	81.6	25.1	49.8	120	17.4	9.96	15.0
Max	9.9	9.5	141	121	262	220	43	254	421	60	17	36
Min	6.6	7.4	6.7	19	31	35	14	11	31	8.9	8.9	9.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	27.6	33.6	55.4	55.3	54.3	78.8	66.2	47.1	39.3	23.4	23.7	29.0
Max	97.5	99.3	133	136	117	218	147	104	120	113	113	212
(WY)	(2006)	(2007)	(1997)	(2006)	(2008)	(2011)	(2007)	(2012)	(2013)	(1997)	(2011)	(2011)
Min	6.31	6.28	6.74	11.2	14.7	7.96	8.93	14.6	9.25	6.95	6.37	6.33
(WY)	(1998)	(2008)	(1998)	(2002)	(2007)	(2002)	(2002)	(2001)	(2012)	(1999)	(1997)	(1995)

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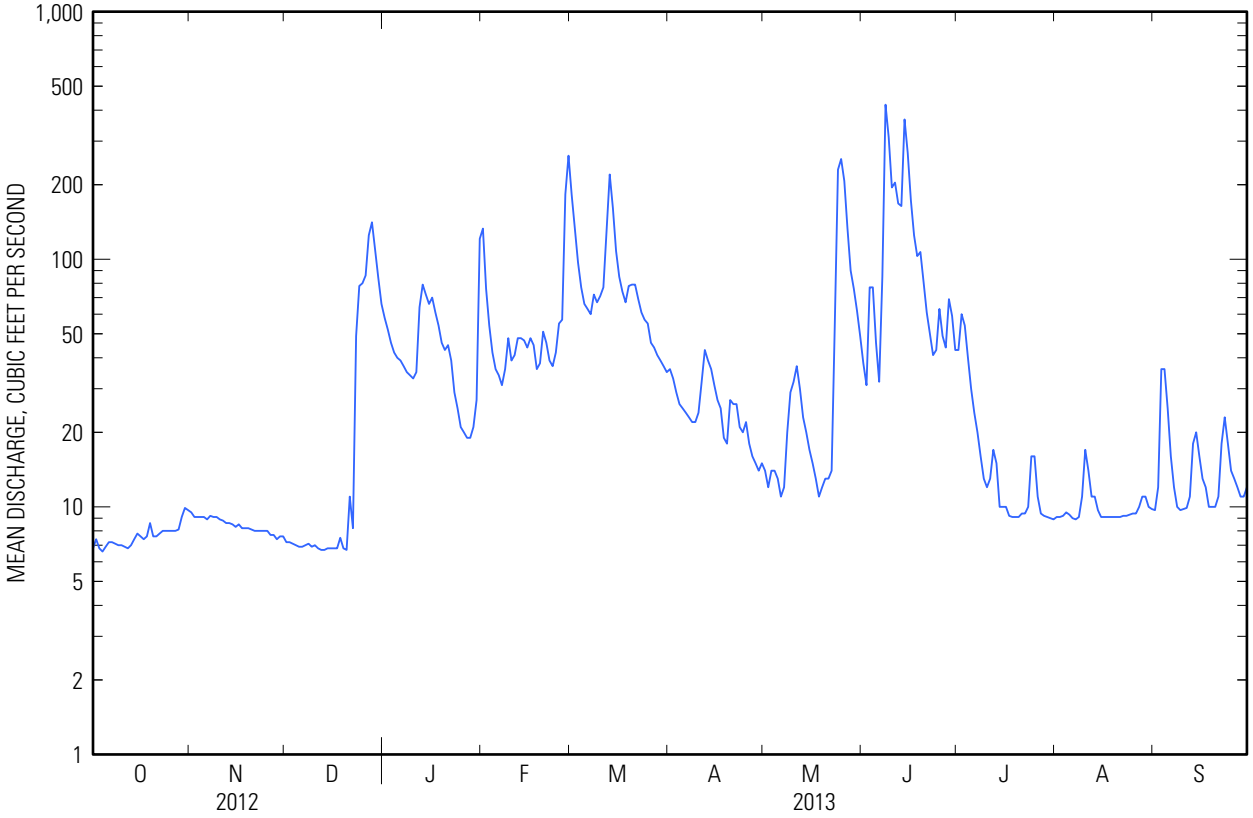
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1994 - 2013	
Annual total	10,332.4		14,277.8			
Annual mean	28.2		39.1		44.2	
Highest annual mean					77.1	2011
Lowest annual mean					18.8	2002
Highest daily mean	368	May 4	421	Jun 8	1,560	Mar 7, 2011
Lowest daily mean	3.9	Sep 20	6.6	Oct 4	2.9	Jun 16, 1999
Annual seven-day minimum	4.9	Sep 18	6.8	Dec 11	3.9	Jul 21, 1999
10 percent exceeds	56		80		93	
50 percent exceeds	11		18		25	
90 percent exceeds	7.2		7.6		8.3