

Delaware River Flow and Storage Data - June 2017



DAY	Delaware at Montague		Lehigh River		Delaware at Trenton		Schuylkill River		Salt Front	New York City	
	Flow (cfs)		Flow (cfs)		Flow (cfs)		Flow (cfs)		River Mile	Delaware River Basin Storage	
	8:00 AM	Mean	Lehighton	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia		(BG)	Capacity
6/1/2017	5,540	5,350	1,430	2,540	10,700	10,400	2,330	2,920	69	271.8	100.4%
6/2/2017	5,600	5,600	1,220	2,160	10,300	10,000	2,020	2,530	69	271.8	100.4%
6/3/2017	4,440	4,380	1,090	1,960	9,930	9,810	1,700	2,140	69	271.8	100.4%
6/4/2017	3,720	3,680	1,070	1,860	9,550	8,990	1,610	1,880	68	271.4	100.2%
6/5/2017	3,630	3,880	1,160	1,960	8,070	8,010	1,590	1,800	68	271.6	100.3%
6/6/2017	5,490	12,500	1,840	3,340	7,970	8,780	2,130	2,740	68	274.8	101.4%
6/7/2017	23,400	21,900	2,780	4,140	12,900	20,500	2,620	3,540	69	276.0	101.9%
6/8/2017	16,500	16,000	2,540	4,030	28,900	27,900	2,120	2,990	69	275.4	101.7%
6/9/2017	12,200	11,900	1,780	3,040	22,400	21,300	1,770	2,330	69	274.5	101.4%
6/10/2017	9,950	9,730	1,670	2,730	17,300	16,800	1,570	1,970	69	273.6	101.0%
6/11/2017	8,040	8,190	1,430	2,530	14,700	14,400	1,430	1,750	69	272.7	100.7%
6/12/2017	7,150	7,480	1,150	2,210	12,500	12,400	1,320	1,560	69	271.7	100.3%
6/13/2017	7,150	6,940	910	1,870	11,400	11,200	1,200	1,390	68	270.9	100.0%
6/14/2017	6,450	5,890	883	1,700	11,000	10,400	1,120	1,250	68	270.3	99.8%
6/15/2017	4,850	4,480	938	1,670	10,100	9,400	1,030	1,130	68	270.1	99.7%
6/16/2017	3,580	3,290	904	1,670	8,480	8,050	974	1,060	68	269.9	99.7%
6/17/2017	2,810	2,960	779	-	7,010	6,980	957	1,290	68	269.8	99.6%
6/18/2017	2,890	3,130	760	-	6,640	6,360	976	1,440	69	269.6	99.6%
6/19/2017	3,160	3,740	1,070	-	5,930	6,020	1,040	1,300	69	269.7	99.6%
6/20/2017	5,160	6,140	1,990	3,360	6,320	7,410	1,600	1,760	69	270.6	99.9%
6/21/2017	6,510	6,030	1,250	2,420	11,000	11,000	1,380	1,910	69	270.5	99.9%
6/22/2017	4,590	4,280	964	1,870	11,400	10,600	1,150	1,660	69	270.1	99.7%
6/23/2017	4,090	3,850	772	1,660	8,480	8,150	990	1,260	69	269.6	99.6%
6/24/2017	3,760	3,650	1,190	3,840	10,200	11,800	4,860	7,200	68	269.3	99.4%
6/25/2017	3,830	3,720	1,150	2,950	11,400	10,800	4,660	7,060	68	269.0	99.3%
6/26/2017	3,510	3,190	746	2,180	8,530	8,430	2,800	4,110	67	268.5	99.1%
6/27/2017	2,930	2,790	613	1,740	7,580	7,290	1,800	2,810	67	267.8	98.9%
6/28/2017	2,490	2,480	590	1,530	6,150	6,050	1,490	2,040	67	267.0	98.6%
6/29/2017	2,720	2,650	562	1,410	5,510	5,340	1,300	1,680	67	266.2	98.3%
6/30/2017	2,620	2,650	556	1,460	4,870	4,940	1,160	1,480	67	265.2	97.9%

TODAY'S RESERVOIR OBSERVATIONS: 6/30/2017

*Lower Delaware Basin:		New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=	265.2	97.9%
Vol. (BG)	Capacity	7-Day Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	257.2	95.0%	
Blue Marsh	5.77 100.1%						BG Above Daily Storage Median =	8.0	3.11%	
Beltzville	13.51 100.1%	Neversink	0.13	34.0	97.3%	190	0	BG Above Drought Watch =	75.2	
Directed Releases from Basin Reservoirs (cfs):		Pepacton	1.53	137.5	98.1%	449	0	BG Above Drought Warning =	95.2	
Blue Marsh	0 Merrill Creek	Cannonsville	0.67	93.7	97.9%	203	0	BG Above Drought =	115.2	
Beltzville	0 Wallenpaupack	Rondout	0.59	48.5	97.7%	631	0	BG Above One Year Ago =	18.5	

*Percent capacity in Blue Marsh Reservoir is based upon the normal SUMMER POOL storage of 5.76 BG. Percent capacity for Beltzville Reservoir is based upon the year-round, normal pool storage of 13.49 BG.

Directed Release from NYC Reservoirs is the amount of water needed to meet the Montague Flow Objective.

DATA SOURCES:
 Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply. http://www.nyc.gov/html/dep/html/drinking_water/maplevels_wide.shtml
 Flow data provided by U.S. Geological Survey <http://waterdata.usgs.gov/nwis/rt>
 Chloride data for the salt front calculation provided by U.S. Geological Survey and Kimberly Clark Corporation.
 Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers. See basin summaries at <http://www.nap-wc.usace.army.mil/nap/>
 ALL DATA ARE PROVISIONAL

- NOTES:**
- The Salt Front is the estimated location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).
 - Releases from F.E. Walter are requested from the U.S. Army Corps of Engineers and are made from the reservoir's temporary drought storage.
 - Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.
 - Lower Basin reservoir percentages are a percent of allocated storage, not total storage. More than 19.3 billion gallons of flood control is available in Beltzville and Blue Marsh reservoirs.
 - cfs=Cubic Feet per Second; DO= Dissolved Oxygen; MG= Million Gallons; BG=Billion Gallons
- During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Flow values reported on this report may be significantly higher or lower than actual streamflow. Revisions will be made as needed when adjusted data becomes available.
 - The location of the salt front is estimated. The salt front river mile location will be updated as chloride data is received. DRBC does not track the salt front below river mile 54. The normal location of the salt front represents the median monthly calculated value based upon values from 1/1998 through 2/28/2013.
 - Normal flow values represent the median of monthly means for the period of record after construction completion of major reservoirs regulating their flow (NYC Reservoirs: Montague 1956-2011; FE Walter and Beltzville: Bethlehem and Trenton 1971-2011, Lehighton 1983-2011; Blue Marsh: Pottstown and Philadelphia 1980-2011).
 - Minimum dissolved oxygen for the Lehigh River at Glendon and the maximum temperature at the Schuylkill River at Vincent Dam will be reported for the period June through September.
 - NYC Storage Median based on beginning of month values reported to the Delaware River Master from June 1967 - May 2013.
 - Drought Watch, Warning and Drought are defined by Figure 1 of Article 2 in the Delaware River Basin Water Code 18 CFR Part 410.