

Delaware River Flow and Storage Data -June 2015 Summary



DAY	Delaware at Montague		Lehigh River			Delaware at Trenton		Schuylkill River			Salt Front	New York City	
	Flow (cfs)		Flow (cfs)		Min DO (mg/l)	Flow (cfs)		Flow (cfs)		Max Temp (C)		Delaware River Basin Storage	
	8:00 AM	Mean	Lehighton	Bethlehem	Glendon	8:00 AM	Mean	Pottstown	Philadelphia	Vincent Dam	RM	(BG)	Capacity
6/1/2015	3,180	3,030	1,180	3,080	8.0	5,110	6,120	2,920	1,800	26.8	73	256.7	94.8%
6/2/2015	3,490	3,830	1,790	3,080	8.7	10,900	10,500	3,330	4,530	21.3	72	257.0	94.9%
6/3/2015	4,290	4,200	2,900	4,060	9.9	11,600	11,900	3,130	3,770	18.5	72	256.6	94.7%
6/4/2015	3,420	3,470	2,320	3,640	9.8	12,600	12,300	2,580	3,450	18.4	72	256.4	94.7%
6/5/2015	3,530	3,460	1,360	2,410	9.6	10,900	10,200	1,910	2,610	19.5	72	255.7	94.4%
6/6/2015	2,970	2,740	1,180	2,080	9.3	8,530	8,400	1,590	2,090	21.6	72	255.3	94.3%
6/7/2015	2,320	2,350	942	1,740	9.2	7,680	7,470	1,370	1,770	22.6	72	254.8	94.1%
6/8/2015	2,490	2,340	885	1,630	9.0	6,150	6,180	1,240	1,570	24.2	72	254.2	93.9%
6/9/2015	3,100	3,600	1,090	2,600	8.6	6,320	7,010	3,020	3,700	23.0	72	254.6	94.0%
6/10/2015	4,260	4,630	1,010	2,110	8.8	8,690	8,740	2,510	3,820	22.8	71	255.0	94.2%
6/11/2015	4,560	4,280	837	1,700	8.7	9,330	9,020	1,590	2,460	25.0	71	255.1	94.2%
6/12/2015	3,810	3,560	837	1,690	8.5	8,690	8,450	1,410	1,820	26.4	71	254.6	94.0%
6/13/2015	3,100	3,260	902	1,550	8.2	7,580	7,480	1,480	1,820	27.0	71	254.3	93.9%
6/14/2015	3,100	3,060	840	1,710	8.2	6,680	6,690	1,240	1,570	27.7	71	254.3	93.9%
6/15/2015	3,180	3,030	1,260	2,220	8.0	7,200	8,080	1,520	1,590	27.4	71	255.8	94.4%
6/16/2015	6,420	6,280	2,230	3,130	7.9	11,700	11,400	1,600	1,950	27.2	70	258.6	95.5%
6/17/2015	6,310	6,240	2,300	3,070	8.5	10,200	11,700	1,460	1,700	26.2	71	259.9	95.9%
6/18/2015	5,080	5,070	2,010	3,020	8.9	12,900	12,400	1,390	1,770	24.7	71	260.7	96.2%
6/19/2015	4,190	4,190	1,410	2,250	9.1	11,400	10,800	1,380	1,760	25.0	71	261.3	96.5%
6/20/2015	3,900	3,870	1,360	2,140	9.0	9,220	8,980	1,380	1,630	24.5	71	261.6	96.6%
6/21/2015	4,000	4,640	1,860	3,060	8.9	9,010	9,050	2,190	2,040	25.2	71	262.3	96.9%
6/22/2015	8,400	9,350	2,060	3,030	8.8	11,900	11,600	3,040	3,180	25.4	70	264.7	97.7%
6/23/2015	8,970	8,870	2,030	2,990	8.6	14,300	15,000	2,260	2,830	25.6	70	266.0	98.2%
6/24/2015	7,060	6,910	1,470	2,550	8.7	15,400	15,400	1,900	2,450	25.9	70	266.7	98.5%
6/25/2015	5,400	5,750	1,250	2,120	8.8	12,900	12,600	1,670	2,050	24.5	70	267.1	98.6%
6/26/2015	4,900	4,920	1,050	1,860	8.9	10,800	10,600	1,530	1,890	24.7	70	267.3	98.7%
6/27/2015	4,190	4,280	1,160	1,870	8.9	9,930	9,730	1,570	4,420	23.6	70	267.5	98.8%
6/28/2015	5,650	6,650	2,160	3,900	9.2	10,900	11,800	3,820	6,940	20.3	70	267.8	98.9%
6/29/2015	8,800	9,250	2,580	3,900	9.5	16,900	17,100	3,740	5,190	21.4	70	268.6	99.2%
6/30/2015	8,430	8,500	3,630	4,410	9.3	17,800	18,000	2,960	3,960	21.5	70	269.0	99.3%

Observed Average	4,854	1,596	2,620			10,490	2,091	2,738					
Mean Monthly	3,167	964	1,987			7,183	1,389	1,847			69		
% of Normal	153.3%	165.6%	131.9%			146.0%	150.6%	148.3%					

TODAY'S RESERVOIR OBSERVATIONS: 6/30/2015

Lower Delaware Basin:		New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=		269.0	99.3%	
Blue Marsh	Vol. (BG)	Capacity	Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	257.2	95.0%		
Beltzville	5.82	101.1%	1.31	35.1	100.4%	54	0	BG Above Daily Storage Median =	11.8	4.60%		
	13.58	100.6%	1.12	139.8	99.8%	103	0	BG Above Drought Watch =	79.0			
								BG Above Drought Warning =	99.0			
Blue Marsh	0	Merrill Creek	0	Cannonsville	2.06	94.2	98.4%	0	0	BG Above Drought =	119.0	
Beltzville	0	Wallenpaupack	0	Rondout	2.43	49.1	98.9%	698	0	BG Below One Year Ago =	0.4	

*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.

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/r>
 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 based on the 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

1. 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.
2. 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.
3. 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).
4. 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.
5. NYC Storage Median based on beginning of month values reported to the Delaware River Master from June 1967 - May 2013.
6. Drought Watch, Warning and Drought are defined by Figure 1 of Article 2 in the Delaware River Basin Water Code 18 CFR Part 410.