

Delaware River Flow and Storage Data -April 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)		RM	Delaware River Basin Storage	
	8:00 AM	Mean	Lehighton	Bethlehem	Glendon	8:00 AM	Mean	Pottstown	Philadelphia	Vincent Dam	(BG)		Capacity	
4/1/2015	5,160	5,130	1,260	2,790		12,900	12,900	2,450	3,420		72	176.1	65.0%	
4/2/2015	5,030	5,220	1,300	2,710		12,900	12,800	2,190	3,120		73	176.7	65.2%	
4/3/2015	7,370	8,900	1,650	2,820		12,500	12,500	2,060	2,790		73	178.4	65.9%	
4/4/2015	16,900	20,000	2,420	3,860		14,200	16,900	2,190	2,810		73	183.8	67.9%	
4/5/2015	25,200	23,700	2,700	4,220		30,200	31,500	2,330	2,920		73	190.4	70.3%	
4/6/2015	17,600	17,600	3,450	4,450		32,600	31,700	2,080	2,700		73	194.5	71.8%	
4/7/2015	15,800	16,200	2,830	4,190		27,100	26,400	1,940	2,470		72	198.6	73.3%	
4/8/2015	18,800	19,400	2,710	4,010		24,600	25,100	1,960	2,410		72	203.6	75.2%	
4/9/2015	24,200	23,500	2,340	3,770		27,500	28,100	1,910	2,440		71	210.3	77.6%	
4/10/2015	20,000	22,900	2,040	3,350		32,000	30,800	1,860	2,320		71	217.4	80.3%	
4/11/2015	29,700	28,100	1,690	3,200		28,000	31,500	1,890	2,320		70	225.8	83.4%	
4/12/2015	20,900	20,200	1,530	2,790		34,500	33,100	1,740	2,230		69	232.0	85.7%	
4/13/2015	15,300	15,300	1,660	2,700		26,100	25,400	1,640	2,020		68	236.3	87.2%	
4/14/2015	13,300	13,500	1,500	2,640		21,100	21,000	1,600	1,940		67	240.0	88.6%	
4/15/2015	12,800	12,500	1,370	2,460		19,000	19,100	1,580	1,900		67	243.4	89.9%	
4/16/2015	9,700	9,680	1,290	2,300		17,900	17,600	1,510	1,830		65	245.9	90.8%	
4/17/2015	7,650	7,940	1,170	2,160		14,900	14,800	1,460	1,740		64	248.0	91.6%	
4/18/2015	6,900	7,270	1,010	1,980		13,100	13,200	1,450	1,740		63	250.0	92.3%	
4/19/2015	6,190	6,250	957	1,820		12,100	12,100	1,390	1,690		63	251.4	92.8%	
4/20/2015	5,270	5,580	1,220	2,430		11,500	13,400	1,810	3,690		64	252.7	93.3%	
4/21/2015	5,990	8,240	2,490	4,420		14,900	15,600	3,890	5,580		64	254.4	93.9%	
4/22/2015	14,400	13,900	3,520	5,520		17,500	19,200	4,860	6,280		63	256.7	94.8%	
4/23/2015	10,700	11,100	3,570	5,440		24,400	23,800	4,060	5,220		63	258.6	95.5%	
4/24/2015	9,320	9,430	2,400	4,280		20,500	20,300	3,230	4,300		62	260.2	96.1%	
4/25/2015	7,430	7,750	1,480	3,190		17,300	17,100	2,710	3,570		62	261.5	96.6%	
4/26/2015	6,480	6,770	1,370	2,780		14,400	14,400	2,440	3,160		63	262.6	97.0%	
4/27/2015	5,760	6,080	1,400	2,670		12,900	12,800	2,230	2,860		63	263.5	97.3%	
4/28/2015	5,760	5,770	1,460	2,730		12,000	11,900	2,060	2,620		65	264.3	97.6%	
4/29/2015	5,540	5,390	1,320	2,510		11,600	11,300	1,900	2,390		65	264.8	97.8%	
4/30/2015	4,560	4,660	1,260	2,370		11,000	10,600	1,800	2,230		65	265.2	97.9%	

Observed Average	12,265	1,879	3,219			19,563	2,207	2,890					
Mean Monthly	10,660	1,753	3,648			20,140	2,648	3,968			67		
% of Normal	115.1%	107.2%	88.2%			97.1%	83.4%	72.8%					

TODAY'S RESERVOIR OBSERVATIONS: 4/30/2015

*Lower Delaware Basin:		New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=	265.2	97.9%
Blue Marsh	Vol. (BG)	Capacity	Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	270.8	100.0%
	5.76	100.0%						BG Below Daily Storage Median =	5.5	-2.04%
Beltzville	13.49	100.0%	Neversink	0.00	33.6	96.1%	0	BG Above Drought Watch =	75.8	
			Pepacton	0.00	135.5	96.8%	0	BG Above Drought Warning =	95.8	
Directed Releases from Basin Reservoirs (cfs):								BG Above Drought =	115.8	
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.00	96.2	100.5%	485	0	
Beltzville	0	Wallenpaupack	0	Rondout	0.00	48.8	98.4%	613	0	BG Below One Year Ago =
									1.6	

*Percent capacity in Blue Marsh Reservoir is based upon the normal summer pool storage of 5.76 BG. Storage is gradually being increased to the summer pool. 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/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 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. Reporting of the minimum dissolved oxygen for the Lehigh River at Glendon and the maximum temperature at the Schuylkill River at Vincent Dam will be discontinued at the end of September 2014. Reporting will begin again in June 2015.
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.