

Delaware River Flow and Storage Data - July 2015 Summary



DAY	Delaware at Montague		Lehigh River			Delaware at Trenton		Schuylkill River			New York City		
	Flow (cfs)		Flow (cfs)		Min DO (mg/l)	Flow (cfs)		Flow (cfs)		Max Temp (C)	Salt Front		Delaware River Basin Storage
	8:00 AM	Mean	Lehighton	Bethlehem	Glendon	8:00 AM	Mean	Pottstown	Philadelphia	Vincent Dam	RM	(BG)	Capacity
7/1/2015	12,800	14,400	9,040	12,500	8.9	19,400	28,400	7,550	6,150	21.1	71	271.1	100.1%
7/2/2015	18,300	18,000	8,120	11,300	9.4	39,400	39,800	7,380	9,570	19.7	71	273.1	100.8%
7/3/2015	14,400	14,100	5,000	7,990	9.6	35,900	34,600	4,600	6,330	20.6	70	273.2	100.9%
7/4/2015	11,500	11,800	3,610	5,920	9.5	27,800	26,800	3,480	4,660	20.3	70	272.5	100.6%
7/5/2015	12,200	12,000	3,290	5,510	9.6	23,100	22,900	3,100	4,000	21.8	69	271.9	100.4%
7/6/2015	9,990	9,950	2,650	4,700	9.0	22,000	21,300	2,540	3,590	22.9	68	271.0	100.1%
7/7/2015	8,400	8,660	2,070	3,820	8.9	20,000	18,800	2,190	3,300	24.5	67	270.1	99.7%
7/8/2015	7,750	7,670	2,090	3,590	8.8	16,400	16,500	2,050	2,940	24.5	66	269.2	99.4%
7/9/2015	6,020	6,370	2,040	3,480	9.2	15,400	15,200	1,850	3,060	25.3	65	268.4	99.1%
7/10/2015	5,490	5,890	2,550	4,520	8.8	14,300	15,300	4,030	4,760	24.4	65	268.1	99.0%
7/11/2015	5,460	5,910	1,990	3,590	8.9	15,100	14,700	3,400	5,360	24.6	64	267.9	98.9%
7/12/2015	4,820	4,760	1,750	3,180	9.1	13,100	12,800	2,450	3,640	24.8	64	267.2	98.6%
7/13/2015	4,360	4,220	1,380	2,850	9.1	11,600	11,200	2,010	2,950	25.1	65	266.4	98.4%
7/14/2015	4,260	4,140	1,210	2,740	9.0	10,100	9,930	1,660	2,510	25.1	65	265.3	98.0%
7/15/2015	4,020	4,190	1,220	2,800	8.8	9,990	10,600	3,600	5,610	24.3	65	264.5	97.7%
7/16/2015	4,560	5,060	1,150	2,360	9.0	11,800	11,500	3,420	6,870	23.1	66	263.2	97.2%
7/17/2015	4,440	4,670	1,050	2,050	9.2	10,400	10,100	2,070	3,730	23.4	66	261.7	96.6%
7/18/2015	4,390	4,580	1,030	2,120	9.0	9,880	9,580	1,720	2,700	24.5	67	260.0	96.4%
7/19/2015	4,740	4,660	1,060	2,050	8.6	9,770	9,460	1,710	2,480	26.5	67	258.7	95.5%
7/20/2015	4,720	4,710	994	1,890	8.4	9,440	9,040	1,640	2,250	27.8	67	257.5	95.1%
7/21/2015	4,900	4,680	929	1,890	8.3	8,690	8,520	1,450	1,890	27.0	67	255.8	94.5%
7/22/2015	4,090	4,130	849	1,770	8.4	8,900	8,520	1,410	1,650	26.6	67	254.2	93.8%
7/23/2015	4,000	3,940	801	1,510	8.7	8,020	7,690	1,310	1,600	26.3	68	252.2	93.1%
7/24/2015	3,830	3,780	776	1,380	8.8	7,200	7,030	1,200	-	26.5	69	250.3	92.4%
7/25/2015	3,790	3,670	953	1,340	8.8	6,730	6,680	1,130	1,320	26.9	69	248.3	91.7%
7/26/2015	3,530	3,820	957	1,500	8.7	6,460	6,580	1,060	1,200	27.8	70	246.8	91.1%
7/27/2015	6,190	6,090	2,110	2,840	8.6	6,370	7,030	1,360	1,370	27.3	71	245.7	90.7%
7/28/2015	5,400	5,580	1,690	3,330	8.5	12,000	11,300	1,860	1,840	27.2	71	244.4	90.3%
7/29/2015	4,790	4,710	1,180	2,350	8.6	11,100	10,700	1,230	1,760	28.7	71	242.9	89.7%
7/30/2015	4,360	4,290	956	1,990	8.1	9,550	9,070	1,240	1,260	27.5	71	241.2	89.0%
7/31/2015	3,600	3,730	962	1,760	8.1	9,550	8,530	1,360	1,050	28.0	71	239.8	88.5%

Observed Average	6,586	2,112	3,568			14,199	2,486	3,271					
Mean Monthly	2,442	663	1,434			5,451	1,066	1,342			70		
% of Normal	269.7%	318.4%	248.9%			260.5%	233.2%	243.7%					

TODAY'S RESERVOIR OBSERVATIONS: 7/31/2015												
*Lower Delaware Basin:			New York City 24-hr, as of 8 am:							NYC Daily Storage (BG)=		
	Vol. (BG)	Capacity	Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=				
Blue Marsh	5.79	100.5%						232.4			7.4	85.8%
Beltzville	13.48	100.0%	Neversink 0.25	33.1	94.6%	44	0	BG Above Daily Storage Median =			75.9	3.18%
			Pepacton 0.00	132.9	94.9%	186	0	BG Above Drought Watch =			95.9	
Directed Releases from Basin Reservoirs (cfs):								BG Above Drought Warning =				
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.18	73.8	437	0	BG Above Drought =		115.9	
Beltzville	0	Wallenpaupack	0	Rondout	0.04	48.8	818	0	BG Below One Year Ago =		16.6	

*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/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. 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.