

Delaware River Flow and Storage Data - August 31, 2013



DAY	Delaware at Montague		Lehigh River			Delaware at Trenton		Schuylkill River			Salt Front	New York City	
	Flow (cfs)		Flow (cfs)		DO (mg/l)	Flow (cfs)		Flow (cfs)		Temp (C)		Delaware River Basin Storage	
	8:00 AM	Mean	Lehighton	Bethlehem	Glendon	8:00 AM	Mean	Pottstown	Philadelphia	Vincent Dam	RM	(BG)	Capacity
8/1/2013	2,820	2,630	607	1,680	8.3	6,030	6,240	1,370	2,620	24.0	70	246.4	91.0%
8/2/2013	2,470	2,600	627	1,700	8.4	6,430	6,390	1,450	2,690	25.5	70	246.0	90.8%
8/3/2013	3,100	2,860	800	1,500	8.3	6,160	6,120	1,250	1,770	24.1	70	245.2	90.5%
8/4/2013	2,820	2,600	833	1,660	8.5	5,520	5,910	1,230	1,490	25.0	70	244.4	90.2%
8/5/2013	2,780	2,530	584	1,550	8.4	5,730	5,790	1,150	1,420	25.0	70	243.5	89.9%
8/6/2013	2,490	2,330	536	1,210	8.3	5,320	5,240	959	1,210	24.0	70	242.5	89.5%
8/7/2013	2,280	2,130	534	1,190	8.2	4,760	4,840	913	1,010	23.0	70	241.5	89.2%
8/8/2013	2,230	2,070	551	1,540	8.5	4,610	4,630	1,260	1,100	24.8	70	240.7	88.9%
8/9/2013	3,270	4,400	1,570	3,010	8.4	4,920	5,190	1,720	1,650	24.8	71	240.2	88.7%
8/10/2013	13,900	13,400	1,820	3,980	8.4	13,200	15,400	2,200	2,080	25.3	71	241.5	89.2%
8/11/2013	8,710	8,470	1,520	3,120	8.7	23,100	21,800	1,710	2,170	26.0	71	241.4	89.1%
8/12/2013	5,570	5,370	1,460	3,100	8.6	16,200	15,800	1,470	1,610	26.7	70	240.7	88.9%
8/13/2013	4,300	4,450	931	3,410	8.5	12,800	14,000	3,770	12,100	25.2	70	239.6	88.5%
8/14/2013	3,870	4,160	840	2,990	8.6	14,600	13,700	3,290	6,560	23.4	70	239.6	88.5%
8/15/2013	4,110	4,000	781	2,320	9.0	11,200	10,700	2,350	3,370	23.3	70	239.0	88.2%
8/16/2013	3,600	3,420	667	1,950	9.2	9,610	9,240	1,980	2,530	23.4	70	238.1	87.9%
8/17/2013	3,230	3,070	807	1,730	9.0	7,960	7,810	1,610	2,130	23.9	70	237.0	87.5%
8/18/2013	3,120	2,960	818	1,820	8.9	6,890	6,940	1,480	1,810	22.8	69	236.1	87.2%
8/19/2013	3,040	2,980	588	1,740	9.0	6,430	6,520	1,400	1,610	22.6	70	235.2	86.9%
8/20/2013	2,880	2,800	546	1,440	8.8	6,160	6,150	1,260	1,470	24.9	70	234.3	86.5%
8/21/2013	2,800	2,720	533	1,350	8.5	5,820	5,800	1,160	1,300	25.9	70	233.4	86.2%
8/22/2013	2,800	2,890	549	1,350	8.4	5,400	5,550	1,140	1,240	25.3	70	232.3	85.8%
8/23/2013	2,900	2,730	557	1,490	8.5	5,560	5,680	1,170	1,760	24.4	70	231.2	85.3%
8/24/2013	3,020	2,700	1,220	1,530	8.8	5,730	5,750	1,120	1,340	24.7	71	230.1	85.0%
8/25/2013	2,720	2,630	830	1,790	8.7	5,030	5,530	1,030	1,140	24.8	71	229.3	84.7%
8/26/2013	2,800	2,450	-	1,510	8.7	5,230	5,250	972	1,070	25.1	71	228.3	84.3%
8/27/2013	2,880	2,740	-	1,120	8.3	4,990	4,970	944	1,040	26.7	71	228.1	84.2%
8/28/2013	3,690	3,680	539	2,370	8.2	4,460	4,860	964	1,980	25.4	71	227.9	84.1%
8/29/2013	3,830	3,790	548	1,630	8.2	10,800	9,210	1,240	2,550	24.5	71	227.8	84.1%
8/30/2013	3,940	4,100	549	2,680	8.2	7,270	7,760	1,120	1,800	24.8	71	227.8	84.1%
8/31/2013	4,200	3,970	1,100	1,820	8.3	7,710	7,550	1,080	1,480	26.1	71	227.5	84.0%
Observed Average		3,665	769	1,977			7,946	1,476	2,229				
Mean monthly		2,168	493	1,116			4,442	749	1,085		74		
% of Norml		169.1%	156.0%	177.1%			178.9%	197.1%	205.5%				
<b>TODAY'S RESERVOIR OBSERVATIONS: 8/31/2013</b>													
Lower Delaware Basin:			New York City 24-hr. as of 8 am:										
	Vol. (BG)	Capacity		Precip	Usable	Storage	Draft	Directed Rel			NYC Daily Storage (BG)=	227.5	84.0%
Blue Marsh	5.79	100.5%		(inches)	(BG)	(%)	(MG)	(MG)			NYC Daily Storage Median (BG)=	204.4	75.5%
Beltzville	14.01	100.9%		Neversink	0.52	28.3	81.1%	102	0		BG Above Daily Storage Median =	23.1	11.31%
Directed Releases from Basin Reservoirs (cfs):				Pepacton	0.09	120.2	85.8%	303	0		BG Above Drought Watch =	90.5	
Blue Marsh	0.0	Merrill Creek	0.0	Cannonsville	0.25	79.0	82.6%	0	0		BG Above Drought Warning =	110.5	
Beltzville	0.0	Wallenpaupack	0.0	Rondout	0.86	47.9	96.4%	612	0		BG Above Drought =	130.5	
											BG Above One Year Ago =	33.6	
<b>DATA SOURCES:</b>													
Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply. <a href="http://www.nyc.gov/html/dep/html/drinking_water/maplevels_wide.shtml">http://www.nyc.gov/html/dep/html/drinking_water/maplevels_wide.shtml</a>													
Flow data provided by U.S. Geological Survey <a href="http://waterdata.usgs.gov/nwis/rt">http://waterdata.usgs.gov/nwis/rt</a>													
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 <a href="http://www.nap-wc.usace.army.mil/nap/">http://www.nap-wc.usace.army.mil/nap/</a>													
ALL DATA ARE PROVISIONAL.													
<b>NOTES:</b>													
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 has been discontinued. Reporting will begin again in June 2013.													
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.													
7. Daily streamflow data is unavailable for the Lehigh River at Lehighton for August 26-27, 2013.													