

Delaware River Flow and Storage Data - September 2011 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @			Max Temp Degrees C Vincent Dam	a Salt Front River Mile	New York City Delaware River Basin Storage		
	8:00 AM	MEAN	Lehigh FLOW (CFS)	Beth FLOW (CFS)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	Philadelphia (CFS)			Pottstown (CFS)	BG	% CAP
1-Sep	18,000	17,600	5,490	9,880	9.5	49,500	47,500	4,130	3,110	21.7	63	271,419	100.2%		
2-Sep	14,800	14,500	2,130	5,640	9.5	37,500	35,900	3,160	2,450		59	270,906	100.0%		
3-Sep	12,800	12,500	1,830	4,080	9.3	29,200	28,200	2,560	2,010		<54	270,286	99.8%		
4-Sep	11,200	11,000	1,820	3,770	9.1	24,800	24,200	2,180	1,840		<54	269,772	99.6%		
5-Sep	10,900	11,900	4,800	7,130		21,900	22,800	2,080	3,040		<54	270,503	99.9%		
6-Sep	18,500	19,800	5,320	12,000		40,800	44,100	14,600	9,910		<54	272,352	100.6%		
7-Sep	41,600	56,800	8,810	24,800	3.2	81,600	98,100	48,800	20,800		<54	276,663	102.2%		
8-Sep	93,200	100,000	9,780	23,400	3.4	191,000	167,000	56,800	32,600	18.7	<54	285,123	105.3%		
9-Sep	95,400	85,800	6,550	18,400	1.7	176,000	172,000	42,900	36,500		<54	285,312	105.3%		
10-Sep	51,300	47,800	7,200	12,700	1.8	127,000	120,000	28,500	17,200		<54	281,184	103.8%		
11-Sep	32,100	30,500	7,700	12,200	2.7	79,400	76,700	16,500	12,100		<54	278,428	102.8%		
12-Sep	24,300	23,800	7,180	11,500	4.3	59,300	57,600	14,700	10,700		<54	276,952	102.3%		
13-Sep	21,200	20,700	6,580	10,400	5.0	49,000	48,100	11,000	8,790	19.6	<54	275,321	101.7%		
14-Sep	18,400	18,000	6,110	9,610	6.6	43,000	42,200	9,100	7,740	19.9	<54	273,991	101.2%		
15-Sep	15,800	15,600	5,660	9,460	3.8	37,900	37,600	8,170	7,690	19.9	<54	272,992	100.8%		
16-Sep	14,600	14,300	4,720	8,380	4.7	35,500	34,600	7,700	5,570	18.6	<54	272,471	100.6%		
17-Sep	12,800	12,800	2,750	5,530	3.0	31,400	30,000	5,050	4,160	17.4	<54	271,842	100.4%		
18-Sep	12,100	12,000	1,880	4,290	1.4	25,800	25,500	4,140	3,280	17.2	<54	271,199	100.1%		
19-Sep	9,350	9,530	1,780	3,870	1.1	23,200	22,900	3,530	2,980	17.3	<54	270,569	99.9%		
20-Sep	8,130	8,200	1,740	3,790		20,300	19,800	3,280	2,770	17.2	<54	269,791	99.6%		
21-Sep	7,660	7,880	1,680	3,570		17,900	17,800	3,110	2,640	17.7	<54	268,780	99.2%		
22-Sep	7,660	8,090	1,630	3,610		16,900	17,200	3,000	2,610	19.1	<54	267,695	98.8%		
23-Sep	8,130	8,730	2,830	3,910		17,600	18,300	3,810	5,300	19.8	<54	266,546	98.4%		
24-Sep	12,900	16,100	5,200	11,800		30,300	32,900	22,800	11,500	20.0	<54	266,144	98.3%		
25-Sep	17,900	16,800	2,740	6,810		35,100	36,500	10,700	6,850	18.6	<54	265,671	98.1%		
26-Sep	12,700	12,600	2,620	5,770		32,700	31,600	7,010	5,220	19.5	<54	264,737	97.7%		
27-Sep	10,600	10,700	3,550	6,630	9.0	26,400	26,600	5,590	4,420	19.5	<54	263,649	97.3%		
28-Sep	16,600	25,700	6,710	9,500	8.8	25,800	33,300	8,660	6,140	20.2	<54	263,960	97.5%		
29-Sep	42,400	42,300	7,220	15,200	8.5	65,400	74,200	16,900	7,340	20.2	<54	265,542	98.0%		
30-Sep	46,600	44,100	8,140	12,400	8.8	86,000	85,100	10,100	5,660	19.0	<54	269,320	99.4%		
Obs. Sept. Avg.	23,988	24,538	4,738	9,334	5.5	51,273	50,943	12,685	8,431	19.1					
Normal		2,166	436	1,154			4,999	1,102	929		79				
% of Normal		1132.9%	1086.8%	808.9%			1019.1%	1151.1%	907.5%						

TODAY'S RESERVOIR OBSERVATIONS:

New York City 24-hr, as of 8 am:

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage (BG)= 269.320	99.4%	Lower Delaware Basin:		
						NYC Daily Storage Median (BG)= 179.031	66.1%	Vol. (BG)	%Capacity	
Neversink	0.56	35.419	101.4%	0	0	BG Above Daily Storage Median = 90.289	50.43%	Blue Marsh	5.67	101.1
Pepacton	0.38	140.431	100.2%	0	0	BG Above Drought Watch = 158.450		Beltzville	14.19	101.9
Cannonsville	0.28	93.470	97.7%	0	0	BG Above Drought Warning = 174.450				
Rondout	0.44	48.943	98.6%	719	0	BG Above Drought = 198.450				
						BG Above One Year Ago = 118.451				

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)

Blue Marsh	0	Beltzville	0	F.E. Walter	0	Merrill Cr.	0	Lake Wallenpaupack	0
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DATA SOURCES:

Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply.

Chloride data provided by U.S. Geological Survey and Kimberly Clark Corporation.

Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers.

NOTES:

^a Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).

^b 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.

^c Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.

^d Percent of usable storage available.

BG=Billion Gallons; CFS=Cubic Feet per Second; DO=Dissolved Oxygen; MG= Million Gallons;

ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE.

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 salt front river mile location will be updated as chloride data is received.
3. Normal flow values represent the median of monthly means for 1971-2000, except for the Lehigh River at Lehigh. For Lehigh, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station).
4. Data is currently unavailable for the Lehigh River at Glendon for 9/5-8, 9/20-23 due to equipment malfunction.
5. Data is currently unavailable for the Schuylkill River at Vincent Dam for 9/2-7.
6. DRBC does not track the salt line below river mile 54.