

Delaware River Flow and Storage Data - April 2013 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	Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-Apr	4,150	4,550	1,240	2,090		9,840	9,710	2,190	1,590		72	238,741	88.1%
2-Apr	4,770	5,200	1,200	2,030		9,890	9,790	2,200	1,550		72	238,979	88.2%
3-Apr	4,920	5,090	1,180	1,950		10,100	9,980	1,970	1,430		72	239,134	88.3%
4-Apr	4,270	4,520	1,090	1,870		10,200	9,960	1,820	1,360		71	239,257	88.3%
5-Apr	3,900	4,160	1,020	1,790		9,560	9,200	1,750	1,310		71	239,295	88.4%
6-Apr	3,690	3,890	959	1,730		8,850	8,560	1,640	1,270		71	239,341	88.4%
7-Apr	3,510	3,720	900	1,660		8,370	8,100	1,590	1,230		71	239,437	88.4%
8-Apr	3,400	3,670	892	1,620		7,860	7,860	1,580	1,210		71	239,517	88.4%
9-Apr	3,320	3,630	834	1,580		7,610	7,440	1,540	1,200		71	239,733	88.5%
10-Apr	3,340	3,760	836	1,580		7,610	7,350	1,510	1,230		71	240,427	88.8%
11-Apr	3,920	4,880	1,070	1,960		9,120	9,520	3,350	1,900		71	241,274	89.1%
12-Apr	6,350	6,790	1,040	2,380		10,300	11,000	3,460	2,120		71	244,551	90.3%
13-Apr	7,630	7,930	1,160	2,440		15,700	15,600	4,800	2,200		71	247,054	91.2%
14-Apr	7,320	7,350	1,070	2,130		14,700	14,800	3,120	1,800		71	248,794	91.9%
15-Apr	6,010	6,110	1,030	2,040		13,900	13,500	2,440	1,600		71	250,059	92.3%
16-Apr	5,280	5,390	925	2,050		12,200	11,900	2,140	1,440		71	251,412	92.8%
17-Apr	4,890	5,160	931	1,880		11,200	10,800	1,950	1,420		71	252,883	93.4%
18-Apr	5,180	5,290	919	1,840		10,200	10,100	1,910	1,400		71	254,200	93.9%
19-Apr	4,570	4,920	1,110	2,000		10,100	10,100	1,920	1,510		70	254,841	94.1%
20-Apr	5,740	7,060	1,810	3,870		14,000	14,700	8,200	3,730		70	256,822	94.8%
21-Apr	10,000	9,190	1,790	3,220		16,900	17,400	5,120	3,180		70	259,280	95.7%
22-Apr	7,320	7,340	1,290	2,520		18,300	17,400	3,760	2,490		70	261,128	96.4%
23-Apr	6,150	6,300	1,500	2,810		14,900	14,800	3,110	2,240		70	262,494	96.9%
24-Apr	5,680	6,040	1,490	2,520		13,700	13,500	2,790	2,090		70	263,648	97.3%
25-Apr	5,310	5,510	1,490	2,370		12,500	12,500	2,560	1,980		70	264,806	97.8%
26-Apr	4,640	4,950	1,460	2,260		12,000	11,800	2,340	1,870		70	265,352	98.0%
27-Apr	4,440	4,610	1,070	1,970		10,900	10,700	2,120	1,690		70	265,742	98.1%
28-Apr	4,060	4,100	1,040	1,780		10,100	9,810	1,950	1,630		70	265,934	98.2%
29-Apr	3,780	3,850	1,030	1,780		9,390	9,180	2,030	1,640		70	265,947	98.2%
30-Apr	3,830	3,950	956	1,940		8,790	8,850	2,320	1,860		70	266,024	98.2%
Obs. April Avg	5,046	5,297	1,144	2,122		11,293	11,197	2,639	1,772				
Normal		11,385	1,753	3,648			20,105	3,584	2,680		61		
% of Normal		46.5%	65.3%	58.2%			55.7%	73.6%	66.1%				

TODAY'S RESERVOIR OBSERVATIONS: April 30, 2013

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage (BG)= NYC Daily Storage Median (BG)	%	Lower Delaware Basin:		
								Vol. (BG)	%Capacity	
Neversink	0.00	33,829	96.8%	303	0	266,024	98.2%	Blue Marsh	5.64	100.6
Pepacton	0.00	136,854	97.7%	0	0	270,899	100.0%	Beltzville	13.96	100.3
Cannonsville	0.00	95,341	99.6%	303	0	4,875	-1.80%			
Rondout	0.00	48,713	98.2%	701	0	76,554				
						92,554				
						116,554				
						18,177				

As of April 1, Blue Marsh Reservoir's percent storage capacity is based upon a summer pool usable storage capacity of 5.6 BG. Storage will gradually be increased to the summer pool level during April.

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): April 30, 2013

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 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.
- 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.

- 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.
- The salt front river mile location will be updated as chloride data is received.
- Normal flow values represent the median of monthly means for 1971-2000, except for the Lehigh River at Lehighton. For Lehighton, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station).
- 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.
- DRBC does not track the salt front below river mile 54.