

Delaware River Flow and Storage Data -May 2010 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @				a Salt Front River Mile	New York City Delaware River Basin Storage	
	8:00 AM	MEAN	Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	Max Temp Degrees C Vincent Dam	BG		%CAP	
1-May	5,280	5,380	1,680	3,070		14,400	14,400	2,510	1,940		66	268.629	99.2%	
2-May	4,820	4,810	1,640	2,960		13,700	13,500	2,340	1,820		66	268.646	99.2%	
3-May	4,660	4,800	1,770	4,900		13,400	16,100	5,660	5,640		65	268.614	99.2%	
4-May	4,970	4,980	1,700	4,170		19,000	18,200	9,370	5,760		65	268.648	99.2%	
5-May	4,660	4,730	1,390	3,370		15,800	15,200	6,240	4,440		64	268.624	99.2%	
6-May	4,320	4,390	1,200	2,920		13,700	13,300	4,440	2,960		64	268.467	99.1%	
7-May	4,080	4,000	1,060	2,590		12,400	12,000	3,320	2,490		64	268.293	99.1%	
8-May	3,580	3,600	934	2,350		11,200	10,900	2,890	2,250		65	268.350	99.1%	
9-May	3,470	3,660	899	2,200		10,300	9,960	2,620	2,070		65	268.667	99.2%	
10-May	3,830	3,870	852	2,070		8,980	9,050	2,390	1,920		65	268.602	99.2%	
11-May	3,320	3,520	814	1,960		9,420	9,310	2,230	1,870		67	268.435	99.1%	
12-May	3,320	3,640	1,050	2,610		9,310	9,660	3,010	2,440		68	268.428	99.1%	
13-May	5,150	4,870	1,230	2,650		10,800	10,600	3,560	2,410		68	268.736	99.2%	
14-May	4,920	4,520	1,160	2,450		11,300	11,200	2,650	1,850		69	269.186	99.4%	
15-May	4,080	3,970	1,190	2,360		11,400	11,200	2,270	1,770		69	269.759	99.6%	
16-May	3,670	3,760	956	2,120		9,920	9,890	2,090	1,690		69	269.770	99.6%	
17-May	3,320	3,430	891	1,920		8,980	8,950	1,950	1,550		69	269.740	99.6%	
18-May	3,100	3,320	815	2,100		8,930	8,750	2,150	1,560		69	269.647	99.6%	
19-May	3,740	3,970	871	2,100		9,870	9,560	2,590	1,720		69	269.656	99.6%	
20-May	4,270	4,160	895	1,970		9,980	9,820	2,200	1,550		69	269.714	99.6%	
21-May	3,940	3,750	882	1,850		10,100	9,770	1,910	1,430		69	269.922	99.7%	
22-May	3,490	3,290	772	1,710		9,090	8,940	1,710	1,320		69	269.754	99.6%	
23-May	2,800	2,770	737	1,640		8,240	8,220	1,690	1,300		69	269.575	99.5%	
24-May	2,700	2,680	725	1,630		7,480	7,420	1,670	1,290		69	269.371	99.5%	
25-May	2,600	2,580	708	1,610		7,100	7,080	1,580	1,290		69	269.084	99.4%	
26-May	2,580	2,610	694	1,530		6,810	6,780	1,530	1,230		69	268.699	99.2%	
27-May	3,190	2,890	612	1,460		6,440	6,440	1,390	1,240		69	268.405	99.1%	
28-May	2,980	2,730	569	1,400		6,670	7,170	2,010	1,730		70	268.184	99.0%	
29-May	2,300	2,360	780	1,320		6,910	6,940	1,910	1,410		70	267.669	98.8%	
30-May	2,240	2,250	816	1,580		6,490	6,470	1,880	1,480		70	267.122	98.6%	
31-May	2,280	2,440	557	1,520		6,310	6,360	1,780	1,270		70	266.518	98.4%	
Obs. May Avg	3,666	3,669	995	2,261		10,143	10,101	2,759	2,087					
Normal		6,861	1,578	2,760		13,645		2,783	2,073		64			
% of Normal		53.5%	63.1%	81.9%		74.0%		99.2%	100.7%					

TODAY'S RESERVOIR OBSERVATIONS:

New York City 24-hr, as of 8 am:										Lower Delaware Basin:		
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage (BG)=				Vol. (BG)	%Capacity	
						266.518	98.4%					
						269.679	99.6%					
Neversink	0.00	34.453	98.6%	0	0	BG Below Daily Storage Median =	3.161	-1.17%	Blue Marsh	6.51	100.2	
Pepacton	0.07	138.443	98.8%	349	0	BG Abv Drought Watch =	76.518		Beltzville	13.01	100.1	
Cannonsville	0.13	93.622	97.8%	299	0	BG Abv Drought Warning =	92.518					
Rondout	0.00	49.045	98.8%	615	0	BG Abv Drought =	116.518					
						BG Below One Year Ago =	6.693					

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 Lehighton. For Lehighton, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station).

4. Reporting of the minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued.

Reporting will begin again in June 2010