

Delaware River Flow and Storage Data - May 2009 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)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-May	2,350	2,390	685	1,520		6,490	6,480	1,570	1,300		72	266.015	98.2%
2-May	2,390	2,460	762	1,760		6,530	6,660	1,950	1,510		72	265.932	98.2%
3-May	2,450	2,560	726	1,670		6,950	7,170	2,490	1,530		72	265.789	98.1%
4-May	2,540	2,550	844	1,830		7,190	7,600	3,720	2,210		72	265.486	98.0%
5-May	2,450	2,490	870	2,050		10,100	9,660	8,810	2,480		72	265.234	97.9%
6-May	2,410	2,430	925	2,050		10,300	9,690	5,440	2,190		72	264.996	97.8%
7-May	2,920	3,220	1,490	3,840		21,100	16,700	14,700	4,210		72	264.891	97.8%
8-May	3,760	3,680	1,590	3,820		15,800	15,100	9,700	5,050		71	264.853	97.8%
9-May	3,490	3,610	1,550	3,380		13,900	13,400	6,600	3,780		71	264.788	97.8%
10-May	4,320	4,200	1,140	2,890		12,300	12,100	5,020	3,190		71	265.090	97.9%
11-May	4,060	4,070	1,090	2,500		11,300	11,300	4,040	2,500		70	265.322	98.0%
12-May	3,400	3,480	1,210	2,580		10,900	10,700	3,310	2,190		69	265.263	97.9%
13-May	3,780	3,480	1,220	2,530		10,300	9,990	2,860	1,960		68	265.187	97.9%
14-May	3,530	3,330	1,270	2,470		9,530	9,490	2,550	1,850		68	265.137	97.9%
15-May	4,320	4,920	1,430	2,940		9,470	9,760	4,610	2,960		68	265.544	98.0%
16-May	5,390	5,660	1,310	2,640		10,600	10,700	3,780	2,260		68	265.730	98.1%
17-May	5,980	10,600	1,670	4,820		13,600	14,700	3,800	3,300		69	267.694	98.8%
18-May	19,700	18,200	1,740	4,070		16,400	20,800	4,760	3,100		69	269.692	99.6%
19-May	11,900	11,600	1,650	3,520		27,300	26,000	3,680	2,650		69	270.692	99.9%
20-May	9,040	8,990	1,550	3,220		19,200	18,900	3,190	2,360		70	271.212	100.1%
21-May	7,450	7,530	1,330	2,830		16,100	15,700	2,780	2,110		70	271.310	100.2%
22-May	7,020	6,870	1,230	2,620		13,900	13,600	2,460	1,930		69	271.201	100.1%
23-May	5,570	5,820	1,120	2,440		13,000	12,600	2,170	1,710		70	271.011	100.1%
24-May	4,710	4,980	1,040	2,980		12,100	12,200	2,040	1,930		70	270.975	100.1%
25-May	5,280	5,050	749	2,630		12,000	12,100	2,550	1,950		70	270.852	100.0%
26-May	4,350	4,490	680	1,930		10,700	10,800	2,280	1,680		70	270.560	99.9%
27-May	4,770	4,680	774	1,980		9,640	9,550	1,980	1,560		70	270.734	100.0%
28-May	6,440	6,050	801	1,980		9,700	9,480	1,890	1,530		70	271.063	100.1%
29-May	5,900	6,600	1,030	2,810		10,700	11,000	2,320	1,950		70	271.595	100.3%
30-May	12,800	12,900	1,130	2,690		12,600	12,700	3,030	1,980		71	272.841	100.7%
31-May	11,500	11,000	1,100	2,410		18,100	18,100	2,280	1,630		71	273.211	100.9%
Obs. May Avg	5,676	5,803	1,152	2,690		12,510	12,411	3,947	2,340				
Normal		6,861	1,578	2,760			13,645	2,783	2,073		64		
% of Normal		84.6%	73.0%	97.5%			91.0%	141.8%	112.9%				

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)	273.211	100.9%	Vol. (BG)	%Capacity			
					NYC Daily Storage Median (BG)	269.679	99.6%	Blue Marsh	6.55	100.8		
Neversink	0.00	34.463	98.6%	0	BG Above Daily Storage Median	3.532	1.31%	Beltzville	12.96	99.7		
Pepacton	0.00	140.950	100.5%	301	BG Abv Drought Watch =	83.211						
Cannonsville	0.01	97.798	102.2%	0	BG Abv Drought Warning =	99.211						
Rondout	0.00	48.984	98.7%	231	BG Abv Drought =	123.211						
					BG Above One Year Ago =	11.891						

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)

Blue Marsh	0	Beltzville	0	F.E. Walter	0	Merrill Cr.	0	Lake Wallenpaupack	0
------------	---	------------	---	-------------	---	-------------	---	--------------------	---

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 2009.