

# Delaware River Flow and Storage Data - April 2005 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	BG	%CAP
											Degrees C Vincent Dam		
1-Apr	36,500	36,000	5,880	11,300		65,000	62,500	8,220	5,680	70	278.142	102.7%	
2-Apr	38,200	51,000	7,620	15,700		59,500	72,100	21,200	8,730	68	278.557	102.9%	
3-Apr	173,000	176,000	12,200	35,900		137,000	161,000	46,300	22,100	66	288.588	106.6%	
4-Apr	125,000	111,000	6,990	18,400		234,000	230,000	25,800	16,700	62	286.778	105.9%	
5-Apr	58,300	54,700	9,000	17,200		153,000	141,000	16,600	11,400	54	283.478	104.7%	
6-Apr	38,900	37,600	8,370	15,000		87,000	83,500	12,600	8,850		279.217	103.1%	
7-Apr	30,200	29,100	8,330	14,300		66,100	64,600	10,500	7,660		277.779	102.6%	
8-Apr	24,100	23,300	7,980	14,100		63,800	59,400	13,200	8,710		277.048	102.3%	
9-Apr	19,800	19,200	6,650	11,200		48,400	47,600	9,350	5,450		276.428	102.1%	
10-Apr	16,500	16,100	6,090	10,300		41,300	40,500	7,000	4,680		275.817	101.8%	
11-Apr	14,000	13,700	5,150	9,040		36,300	35,600	6,200	4,200		275.252	101.6%	
12-Apr	12,000	11,800	3,780	6,570		31,300	30,600	5,420	3,660		274.645	101.4%	
13-Apr	10,600	10,500	2,740	5,060		27,100	26,300	4,950	3,430		274.241	101.3%	
14-Apr	9,720	9,610	2,110	4,170		23,900	23,300	4,640	3,200		273.809	101.1%	
15-Apr	8,870	8,680	1,620	3,640		21,400	21,100	4,310	2,970		273.264	100.9%	
16-Apr	8,180	7,090	1,410	3,190		19,400	19,000	3,940	2,680		272.746	100.7%	
17-Apr	5,690	5,590	1,400	3,120		18,000	17,200	3,680	2,570		272.315	100.5%	
18-Apr	5,060	5,050	1,250	2,970		15,600	15,400	3,570	2,460		271.859	100.4%	
19-Apr	5,110	5,240	963	2,630		14,600	14,500	3,360	2,300		271.380	100.2%	
20-Apr	4,810	5,060	921	2,440		14,000	14,000	3,160	2,130		270.896	100.0%	
21-Apr	4,830	4,950	895	2,320		13,400	13,300	2,930	2,040	61	270.594	99.9%	
22-Apr	4,460	4,670	860	2,200		13,000	12,900	2,770	1,960	63	270.351	99.8%	
23-Apr	4,040	4,100	1,150	2,810		12,300	12,700	3,300	2,400	64	270.105	99.7%	
24-Apr	6,070	7,650	1,810	4,290		18,600	18,700	7,820	3,190	65	271.064	100.1%	
25-Apr	12,000	11,800	1,180	3,160		20,100	20,900	4,920	2,570	66	272.901	100.8%	
26-Apr	9,970	9,970	1,100	2,840		23,200	22,900	3,620	2,170	66	273.561	101.0%	
27-Apr	8,900	9,160	1,350	3,010		20,400	20,500	3,370	2,120	66	273.813	101.1%	
28-Apr	10,300	10,900	1,350	3,030		20,700	20,600	3,340	2,160	65	274.383	101.3%	
29-Apr	10,900	10,400	1,400	2,850		21,100	21,200	3,000	1,960	65	274.363	101.3%	
30-Apr	8,550	8,760	1,310	2,800		20,400	20,200	3,020	1,920	65	274.125	101.2%	
April Avg	24,152	23,956	3,762	7,851		45,330	45,437	8,403	5,068				
Normal		11,385	1,753	3,648			20,105	3,584	2,680	61			
% of Normal		210.4%	214.6%	215.2%			226.0%	234.5%	189.1%				

NYC 24-hr Reservoir Observations: April 30, 8 am					DIRECTED RELEASES (CFS)		Summary of NYC Storage Observations for April 30				
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh	0	NYC Daily Storage (BG)=	274.125	101.2%		
Neversink	0.01	35.021	100.2%	273	0	0	NYC Daily Storage Median (BG)=	270.899	100.0%		
Pepacton	0.00	140.968	100.6%	445	0	0	BG Above NYC Daily Storage Median =	3.226	1.19%		
Cannonsville	0.02	98.136	102.5%	0	0	0	BG Above Drought Watch =	84.655			
Rondout	0.00	48.794	98.3%	844	0	0	BG Above Drought Warning =	100.655			
							BG Above Drought =	124.655			
							BG Above One Year Ago =	1.215			

DAILY USABLE STORAGE 4/30/05		
	VOL. (BG)	d%CAP
Blue Marsh	6.61	100.8
Beltzville	13.12	100.9

As of April 1, Blue Marsh Reservoir's percent storage capacity is based upon a summer pool usable storage capacity of 6.5 bg.

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.

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

<sup>b</sup> 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.

<sup>c</sup> Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.

<sup>d</sup> 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

## NOTES:

- 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 Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2005.
- Due to an equipment malfunction with the Reedy Island gage, the salt line location is unavailable for the period 4/6 through 4/20.