

# Delaware River Flow and Storage Data - July 2005 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @			<sup>a</sup> Salt Front River Mile	New York City Delaware River Basin Storage	
	8:00 AM	MEAN	Lehigh 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-Jul	2,710	2,530	513	967	4.9	6,040	6,170	1,110	803	28.4	73	237.977	87.9%
2-Jul	2,690	2,450	729	1,070	5.4	6,310	6,050	1,270	668	29.3	73	237.421	87.7%
3-Jul	1,850	1,740	722	1,190	5.6	5,520	5,510	1,050	720	27.9	73	236.956	87.5%
4-Jul	1,850	1,770	480	1,140	5.9	5,360	5,040	867	614	28.4	73	236.262	87.2%
5-Jul	1,530	1,530	436	837	5.8	4,480	4,360	784	785	26.8	72	235.676	87.0%
6-Jul	2,240	1,960	453	882	5.8	4,110	4,080	1,510	1,070	26.6	72	235.571	87.0%
7-Jul	2,370	2,310	459	883	5.9	3,900	4,070	1,310	1,090	25.8	72	235.175	86.8%
8-Jul	3,090	2,900	562	1,600	5.6	4,710	6,050	4,270	2,330	24.1	72	235.224	86.9%
9-Jul	3,540	3,140	602	1,550	6.0	9,980	9,740	6,150	2,530	23.6	72	235.589	87.0%
10-Jul	2,290	2,280	558	1,220	6.3	7,730	7,760	3,360	1,760	25.5	72	235.531	87.0%
11-Jul	2,090	2,050	499	1,010	6.2	6,670	6,370	2,220	1,040	27.0	72	235.319	86.9%
12-Jul	2,570	2,270	451	908	6.2	5,230	5,140	1,410	891	28.2	72	234.733	86.7%
13-Jul	2,710	2,530	440	941	6.7	4,680	4,710	1,210	871	27.7	72	234.083	86.4%
14-Jul	2,460	2,330	565	1,080	6.7	5,110	5,010	1,560	1,530	26.5	72	234.444	86.6%
15-Jul	2,630	2,360	486	1,010	6.4	5,270	5,210	1,940	1,110	27.1	72	232.666	85.9%
16-Jul	2,400	2,320	465	989	6.5	4,870	4,940	2,440	1,240	26.2	72	231.772	85.6%
17-Jul	1,530	1,610	579	1,240	6.7	5,520	5,570	3,100	1,520	25.5	72	230.901	85.3%
18-Jul	1,490	1,580	531	1,410	6.3	8,040	6,910	4,470	2,110	27.2	72	230.192	85.0%
19-Jul	2,370	2,220	476	1,040	6.4	5,360	5,170	3,100	2,120	26.6	71	229.497	84.7%
20-Jul	2,350	2,240	445	921	6.5	4,330	4,360	2,610	1,540	27.8	71	228.770	84.5%
21-Jul	2,180	1,960	426	846	6.6	4,830	4,700	1,920	1,250	28.3	71	227.851	84.1%
22-Jul	1,960	2,020	398	810	6.9	4,480	4,340	1,470	974	28.9	71	226.827	83.8%
23-Jul	2,370	2,060	596	763	6.6	4,110	3,990	1,200	873	29.0	71	225.518	83.3%
24-Jul	1,800	1,760	583	990	6.3	4,040	3,950	1,070	829	28.4	71	224.326	82.8%
25-Jul	1,660	1,660	376	1,200	6.6	4,480	4,170	1,100	864	28.4	72	223.546	82.5%
26-Jul	2,310	1,960	337	900	6.7	4,870	4,310	1,110	855	30.0	72	222.622	82.2%
27-Jul	1,920	1,820	327	751	6.4	3,670	3,650	1,050	834	31.4	72	221.247	81.7%
28-Jul	1,900	1,760	348	769	6.0	3,970	3,810	1,310	994	28.6	72	219.927	81.2%
29-Jul	1,940	1,760	312	739	5.5	3,830	3,730	1,160	756	28.7	72	218.423	80.6%
30-Jul	2,380	1,890	283	688	6.5	3,670	3,590	905	668	28.8	72	216.595	80.0%
31-Jul	1,760	1,700	270	625	6.8	3,570	3,500	838	631	28.8	72	215.313	79.5%
July Avg	2,224	2,080	474	999	6.2	5,121	5,031	1,899	1,157	27.6			
Normal		2,576	728	1,433			6,154	1,388	1,059		72		
% of Normal		80.7%	65.2%	69.7%			81.8%	136.8%	109.3%				

NYC 24-hr Reservoir Observations: July 31, 8 am						Directed Releases (cfs): July 31		Summary of NYC Storage Observations: July 31			
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh		NYC Daily Storage (BG)=	215.313	79.5%	
Neversink	0.00	24.083	68.9%	229	0	Beltzville	0	NYC Daily Storage Median (BG)=	232.432	85.8%	
Pepacton	0.00	113.865	81.2%	298	0	<sup>b</sup> F.E. Walter	0	BG Below NYC Daily Storage Median =	17.119	-7.37%	
Cannonsville	0.00	77.365	80.8%	299	599	Merrill Cr	0	BG Above Drought Watch =	51.400		
Rondout	0.00	48.341	97.4%	572	0	NYC Res.- Excess Bank	0	BG Above Drought Warning =	67.400		
						<sup>c</sup> Lake Wallenpaupack	0	BG Above Drought =	91.400		
								BG Below One Year Ago =	37.098		
						Daily Usable Storage: July 31					
								VOL. (BG)	<sup>d</sup> %CAP		
						Blue Marsh		6.55	99.8		
						Beltzville		13.16	101.2		

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:

1. The salt front river mile location will be updated as chloride data is received.

2. 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).

3. Reporting of the minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam has resumed as of June 1 and will continue through September 2005.