

# Delaware River Flow and Storage Data - October 2007 Summary

DAY	Delaware @		Lehigh River @			Delaware @		Schuylkill River @				New York City	
	Montague (CFS)		Lehigh FLOW (CFS)	Bethl FLOW (CFS)	Easton MIN DO (MG/L)	Trenton (CFS)		Philadelphia (CFS)	Pottstown (CFS)	Max Temp Degrees C Vincent Dam	<sup>a</sup> Salt Front River Mile	Delaware River Basin Storage	
	8:00 AM	MEAN				8:00 AM	MEAN					83	BG
1-Oct	1,830	1,820	516	1,400		3,700	3,540	424	329		83	167.860	62.0%
2-Oct	1,780	1,790	300	805		4,040	3,800	354	319		83	167.129	61.7%
3-Oct	1,790	1,780	222	504		3,380	3,370	337	322		84	166.294	61.4%
4-Oct	1,760	1,760	239	463		3,130	3,120	323	372		84	165.093	61.0%
5-Oct	1,760	1,760	237	469		3,070	3,040	328	417		84	163.819	60.5%
6-Oct	1,740	1,770	230	469		3,010	3,010	434	419		84	162.490	60.0%
7-Oct	1,840	1,860	219	457		3,070	3,020	469	409		85	161.348	59.6%
8-Oct	1,890	1,890	217	442		2,980	3,000	445	407		85	160.328	59.2%
9-Oct	1,890	1,940	228	518		3,070	3,080	508	435		85	159.376	58.8%
10-Oct	2,390	2,310	364	741		3,310	3,490	1,260	619		85	158.895	58.7%
11-Oct	2,680	2,730	585	1,650		4,330	4,780	1,750	754		86	158.543	58.5%
12-Oct	4,350	4,980	1,320	2,580		7,430	7,550	1,720	810		86	158.949	58.7%
13-Oct	5,680	5,210	1,450	2,560		8,930	9,740	1,160	786		86	159.375	58.8%
14-Oct	3,510	3,350	1,300	2,290		11,200	10,700	970	590		86	159.585	58.9%
15-Oct	2,620	2,540	1,130	2,110		8,660	8,310	751	500		85	159.705	59.0%
16-Oct	2,170	2,120	696	1,510		6,860	6,690	607	511		85	159.756	59.0%
17-Oct	1,860	1,830	585	1,260		5,440	5,390	606	497		84	159.631	58.9%
18-Oct	1,650	1,610	451	1,050		4,710	4,610	589	486		83	159.503	58.9%
19-Oct	1,510	1,550	449	1,040		4,190	4,150	635	547		83	159.408	58.9%
20-Oct	2,210	2,340	1,070	1,580		4,330	4,890	1,870	589		82	160.089	59.1%
21-Oct	3,000	3,450	1,020	1,850		5,400	5,860	1,100	609		82	160.824	59.4%
22-Oct	3,450	3,290	946	1,670		6,580	6,620	888	548		81	161.229	59.5%
23-Oct	2,520	2,470	802	1,530		7,430	7,130	715	504		81	161.449	59.6%
24-Oct	2,210	2,230	719	1,400		6,310	6,130	679	520		81	161.732	59.7%
25-Oct	2,560	3,010	1,090	1,810		5,610	5,540	817	726		81	162.678	60.1%
26-Oct	3,600	3,510	1,180	2,190		5,780	6,000	1,120	841		81	163.236	60.3%
27-Oct	3,470	4,640	2,790	4,850		9,310	16,300	11,500	2,760		80	163.939	60.5%
28-Oct	15,800	16,500	2,890	6,380		22,000	23,000	8,670	4,720		80	169.148	62.5%
29-Oct	12,400	11,600	3,120	4,800		29,700	28,800	4,520	2,400		79	172.448	63.7%
30-Oct	8,650	7,870	2,890	4,740		23,200	22,100	2,870	1,810		78	174.608	64.5%
31-Oct	6,790	6,140	2,630	4,290		17,900	17,200	2,280	1,640		76	176.160	65.0%
<b>October Avg</b>	<b>3,592</b>	<b>3,602</b>	<b>1,029</b>	<b>1,916</b>		<b>7,679</b>	<b>7,870</b>	<b>1,635</b>	<b>877</b>				
<b>Normal</b>		<b>2,391</b>	<b>697</b>	<b>1,486</b>			<b>5,320</b>	<b>1,244</b>	<b>940</b>		<b>81</b>		
<b>% of Normal</b>		<b>150.6%</b>	<b>147.6%</b>	<b>129.0%</b>			<b>147.9%</b>	<b>131.5%</b>	<b>93.3%</b>				

NYC 24-hr Reservoir Observations: October 31, 8 am						Directed Releases (cfs): October 31		Summary of NYC Storage Observations: October 31		
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)					
Neversink	0.01	25.449	72.8%	0	0	Blue Marsh	0	NYC Daily Storage (BG)=	176.160	65.0%
Pepacton	0.00	97.252	69.4%	502	0	Beltzville	0	NYC Daily Storage Median (BG)=	147.470	54.4%
Cannonsville	0.00	53.459	55.9%	0	0	<sup>b</sup> F.E. Walter	0	BG Above NYC Daily Storage Median =	28.690	19.45%
Rondout	0.00	47.016	94.8%	714	0	Merrill Cr	0	BG Above Drought Watch =	66.160	
						NYC Res.-Excess	0	BG Above Drought Warning =	82.160	
						Bank	0	BG Above Drought =	106.160	
						<sup>c</sup> Lake		BG Below One Year Ago =	91.913	
						Wallenpaupack	0			
						<b>Daily Usable Storage: October 31</b>				
							<b>VOL. (BG)</b>	<b><sup>d</sup>%CAP</b>		
						Blue Marsh	5.87	123.3		
						Beltzville	13.13	101.0		

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 Lehigh. For Lehigh, 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 2008.
- As of October 1, Blue Marsh reservoir will begin its seasonal drawdown to winter pool storage of 4.76 bg.