

# Delaware River Flow and Storage Data - September 2006 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @			Max Temp Degrees C Vincent Dam	<sup>a</sup> 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-Sep	6,820	6,970	3,680	4,220	9.4	18,800	17,800	3,320	2,930			21.5	75
2-Sep	5,850	6,210	1,090	3,620	9.4	15,400	17,100	9,420	4,170	20.3	75	248.828	91.9%	
3-Sep	5,740	5,890	1,320	3,460	9.5	17,300	17,400	16,000	4,970	19.5	74	249.183	92.0%	
4-Sep	5,020	5,070	806	2,510	9.7	15,100	14,800	5,930	2,930	20.5	73	249.372	92.1%	
5-Sep	4,270	4,210	707	1,890	9.5	12,800	12,200	4,090	2,110	20.1	73	249.480	92.1%	
6-Sep	4,320	4,370	745	1,780	9.5	10,300	10,200	3,490	2,010	20.6	72	249.527	92.1%	
7-Sep	3,970	4,020	1,050	1,900	9.7	9,470	9,450	2,840	1,760	21.2	71	249.493	92.1%	
8-Sep	3,800	3,880	874	1,780	9.3	9,470	9,180	2,370	1,550	21.8	71	249.275	92.0%	
9-Sep	3,470	3,570	855	1,660	9.2	8,500	8,350	2,050	1,370	22.8	70	249.008	91.9%	
10-Sep	3,270	3,370	833	1,610	9.1	8,040	7,790	1,820	1,260	22.6	70	248.671	91.8%	
11-Sep	3,060	3,100	645	1,470	9.3	7,530	7,350	1,660	1,180	21.8	70	248.274	91.7%	
12-Sep	2,900	3,000	689	1,350	9.4	7,000	6,800	1,490	1,040	20.7	70	247.833	91.5%	
13-Sep	2,740	2,870	685	1,360	9.6	6,260	6,290	1,330	998	19.3	70	247.325	91.3%	
14-Sep	2,700	2,790	674	2,050	9.6	6,350	6,430	1,730	1,770	18.5	70	246.900	91.2%	
15-Sep	5,410	7,820	1,290	4,520	9.7	8,290	11,700	12,800	3,750	18.7	70	248.291	91.7%	
16-Sep	15,800	14,600	1,740	5,340	9.9	19,500	23,300	8,710	4,500	19.0	70	249.531	92.1%	
17-Sep	10,600	10,300	1,610	4,060	9.8	28,700	27,200	7,100	3,480	20.2	70	249.876	92.3%	
18-Sep	8,010	7,870	1,800	3,670		21,100	20,400	4,600	2,690	20.9	70	249.987	92.3%	
19-Sep	6,640	6,700	2,100	3,870	9.7	17,000	16,900	3,640	2,220	20.4	70	249.922	92.3%	
20-Sep	5,870	6,080	2,070	3,620	9.9	15,400	15,100	3,000	1,880	19.7	70	249.850	92.3%	
21-Sep	5,440	5,610	1,980	3,310	10.3	13,600	13,500	2,550	1,650	18.4	69	249.682	92.2%	
22-Sep	4,870	5,030	1,400	2,810	10.6	12,600	12,400	2,190	1,500	17.9	69	249.476	92.1%	
23-Sep	4,420	4,590	866	2,120	10.4	11,400	11,000	2,030	1,370	18.6	69	248.872	91.9%	
24-Sep	4,820	4,820	855	1,930	10.3	10,200	9,850	1,970	1,340	19.5	69	248.308	91.7%	
25-Sep	4,710	4,820	845	1,850	10.1	9,470	9,500	1,860	1,260	19.9	69	247.889	91.5%	
26-Sep	4,390	4,530	1,020	1,910	10.2	9,360	9,300	1,680	1,160	19.6	69	247.164	91.3%	
27-Sep	4,110	4,230	1,000	1,950	10.4	9,310	9,090	1,540	1,100	18.2	69	246.393	91.0%	
28-Sep	3,900	4,090	1,010	2,000	10.3	8,820	8,630	1,470	1,070	18.5	69	245.627	90.7%	
29-Sep	4,060	6,790	1,440	3,010	10.2	8,710	9,040	3,360	3,000	18.1	69	245.828	90.8%	
30-Sep	10,700	10,300	1,460	2,660	10.4	10,500	11,300	3,340	1,970	16.8	69	246.547	91.0%	
September Avg	5,389	5,583	1,238	2,643	9.8	12,209	12,312	3,979	2,133	19.9				
Normal		<b>2,166</b>	<b>436</b>	<b>1,154</b>			<b>4,999</b>	<b>1,102</b>	<b>929</b>		<b>79</b>			
% of Normal		257.8%	283.9%	229.0%			246.3%	361.1%	229.6%					

NYC 24-hr Reservoir Observations: September 30, 8 am						Directed Releases (cfs): September 30		Summary of NYC Storage Observations: September 30			
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)			NYC Daily Storage (BG)=	246.547	91.0%	
Neversink	0.03	26.697	76.4%	110	0	Blue Marsh	0	NYC Daily Storage Median (BG)=	179.031	66.1%	
Pepacton	0.10	124.828	89.0%	497	0	Beltzville	0	BG Above NYC Daily Storage Median =	67.516	37.71%	
Cannonsville	0.01	95.022	99.3%	0	0	<sup>b</sup> F.E. Walter	0	BG Above Drought Watch =	135.677		
Rondout	0.12	47.870	96.5%	609	0	Merrill Cr	0	BG Above Drought Warning =	151.677		
						NYC Res.- Excess Bank	0	BG Above Drought =	175.677		
						<sup>c</sup> Lake Wallenpaupack	0	BG Above One Year Ago =	116.440		
						<b>Daily Usable Storage: September 30</b>					
								<b>VOL. (BG)</b>	<b><sup>d</sup>%CAP</b>		
						Blue Marsh		6.56	100.9		
						Beltzville		13.02	100.2		

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:**
- 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 resumed as of June 1 and will continue through September 2006.
  - Data for minimum DO for the Lehigh River at Easton was not available for September 18, 2006.