

Delaware River Flow and Storage Data - September 2004 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	Phila (CFS)	Potts (CFS)	Max Temp		BG	%CAP
										Degrees C Vincent Dam			
1-Sep	10,400	8,890	855	2,080	8.3	14,900	14,099	3,760	1,920	23.1	61	269.130	99.4%
2-Sep	7,300	6,700	764	1,810	7.3	14,499	13,900	2,740	1,640	22.9	61	268.675	99.2%
3-Sep	5,850	5,280	736	1,630	8.4	12,600	11,900	2,250	1,520	23.2	61	268.347	99.1%
4-Sep	4,830	4,370	713	1,550	8.5	10,600	10,100	2,280	1,810	22.7	61	267.960	98.9%
5-Sep	3,650	3,410	687	1,490	8.0	8,660	8,660	2,340	1,460	22.0	61	267.693	98.8%
6-Sep	3,200	2,940	573	1,400	8.7	7,630	7,590	2,020	1,330	21.6	62	267.349	98.7%
7-Sep	3,170	2,839	552	1,310	8.9	6,630	6,590	1,910	1,290	22.8	63	266.992	98.6%
8-Sep	3,200	3,230	573	1,630	8.2	6,220	6,380	1,910	1,409	22.3	64	266.602	98.4%
9-Sep	5,530	7,240	1,380	3,040	8.1	9,640	13,100	3,500	1,719	23.1	65	267.509	98.8%
10-Sep	14,499	14,199	2,880	4,270	8.3	19,100	20,200	2,740	1,560	23.4	65	268.970	99.3%
11-Sep	12,400	11,800	2,580	3,850	7.9	26,100	25,500	2,250	1,340	22.6	66	269.210	99.4%
12-Sep	9,490	8,840	2,070	3,280	8.9	22,000	21,100	1,880	1,180	22.7	66	269.093	99.4%
13-Sep	7,270	7,110	1,530	2,800	8.2	17,200	16,700	1,680	1,110	23.2	66	269.034	99.3%
14-Sep	6,350	6,110	855	1,940	8.3	14,399	13,900	1,540	1,070	22.3	66	268.862	99.3%
15-Sep	5,790	5,480	741	1,660	8.4	11,900	11,800	1,450	1,010	21.0	66	268.548	99.2%
16-Sep	4,830	4,890	753	1,640	8.4	10,800	10,700	1,460	1,030	21.4	66	268.103	99.0%
17-Sep	4,830	4,860	751	1,620	8.4	10,200	9,960	1,429	1,110	21.2	66	267.794	98.9%
18-Sep	12,800	82,200	11,300	29,500		10,200	38,800	21,200	11,700	21.1	66	275.711	101.8%
19-Sep	138,000	116,000	6,909	21,400		177,000	179,000	33,900	21,500	18.1	66	284.706	105.1%
20-Sep	52,800	49,200	8,280	15,000		163,000	142,000	14,700	9,690	17.1	65	280.953	103.7%
21-Sep	32,600	31,000	7,540	12,500		78,600	73,600	9,430	6,979	17.3	64	278.361	102.8%
22-Sep	23,200	22,100	6,889	11,000		53,300	51,100	7,280	5,540	18.0	63	276.712	102.2%
23-Sep	17,500	16,800	5,560	9,130		40,500	38,800	5,800	4,230	18.7	61	275.520	101.7%
24-Sep	14,199	14,000	4,680	7,600		31,900	31,100	4,420	3,210	19.6	59	273.784	101.1%
25-Sep	13,000	12,400	3,300	5,240		26,600	25,800	3,670	2,660	19.5	56	272.156	100.5%
26-Sep	10,200	8,700	3,050	4,730		22,700	21,900	3,260	2,440	19.7	54	271.263	100.2%
27-Sep	9,000	7,800	3,310	4,140		18,800	18,300	2,970	2,240	19.5	56	270.369	99.8%
28-Sep	10,400	8,600	3,930	7,900	8.6	16,500	22,300	10,700	3,320	19.3	59	269.918	99.7%
29-Sep	19,600	20,100	4,030	12,700	8.3	67,000	61,600	40,100	13,300	18.7	59	272.559	100.6%
30-Sep	18,400		5,390	11,300	8.8	49,800	49,400	14,299	8,240	17.7	58	272.380	100.6%
Sept Avg	16,143	17,141	3,105	6,305	8.3	32,633	32,529	6,962	3,952	20.9			
Normal		2,166	436	1,154			4,999	1,102	929		79		
% of Normal		791.4%	712.2%	546.3%			650.7%	631.8%	425.4%				

NYC 24-hr Reservoir Observations: September 30, 8 am						DIRECTED RELEASES (CFS)		Summary of NYC Storage Observations for September 30			
	Precip (IN .)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh	0	NYC Daily Storage (BG)=	272.380	100.6%	
Neversink	0.00	34.778	99.5%	311	0	Beltville	0	NYC Daily Storage Median (BG)=	179.031	66.1%	
Pepacton	0.00	141.171	100.7%	0	0	b F.E. Walter	0	BG Above NYC Daily Storage Median =	93.349	52.14%	
Cannonsville	0.03	96.431	100.8%	0	0	Merrill Cr	0	BG Above Drought Watch =	161.510		
Rondout	0.00	48.686	98.1%	722	0	NYC Res.- Excess Bank	0	BG Above Drought Warning =	177.510		
						c Lake Wallenpaupack	0	BG Above Drought =	201.510		
								BG Below One Year Ago =	2.773		
DAILY USABLE STORAGE 9/30/04											
	VOL. (BG)		d%CAP								
Blue Marsh	7.52		115.7								
Beltville	13.12		100.9								

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.

^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

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).
- The minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam will be reported through Sept. 30.
- The minimum dissolved oxygen for the Lehigh River at Easton is not available for the period of September 18-27 due to flood damage sustained by the gage.
- The daily mean streamflow value for the Delaware River at Montague is not available for September 30.