Delaware River Flow and Storage Data - September 2005 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C	[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)	Vincent Dam		BG	%CAP
1-Sep	1,900	1,940	270	603	7.7	3,380	3,380	678	471	27.5	79	170.670	63.0%
2-Sep	2,150	1,960	260	599	7.7	3,630	3,610	580	443	27.8	79	169.857	62.7%
3-Sep	2,110	1,880	251	561	7.9	3,380	3,380	592	429	26.5	79	168.698	62.3%
4-Sep	1,550	1,490	227	537	8.1	3,440	3,300	560	417	26.0	79	167.283	61.8%
5-Sep	1,610	1,590	198	512	8.2	3,250	3,170	543	404	26.0	79	165.968	61.3%
6-Sep	1,690	1,660	183	476	8.3	2,770	2,780	580	401	26.2	79	164.671	60.8%
7-Sep	1,500	1,630	180	498	8.4	2,710	2,740	522	473	25.8	79	163.337	60.3%
8-Sep	2,080	1,830	178	513	8.3	2,770	2,800	578	497	25.4	80	161.911	59.8%
9-Sep	1,870	1,780	177	507	8.2	2,740	2,800	592	477	24.7	81	160.482	59.3%
10-Sep	1,690	1,780	173	506	8.2	2,950	2,960	566	473	25.2	82	159.030	58.7%
11-Sep	2,370	1,930	171	491	8.4	2,890	2,950	609	471	25.0	83	157.516	58.2%
12-Sep	1,790	1,760	171	534	8.3	2,860	2,940	644	569	25.2	83	156.289	57.7%
13-Sep	1,630	1,780	164	514	8.0	3,250	3,110	685	481	26.1	83	154.930	57.2%
14-Sep	1,660	1,870	159	494	7.9	2,980	3,030	632	478	25.0	83	153.310	56.6%
15-Sep	1,670	1,790	161	579	7.6	2,860	3,360	1,090	629	26.6	83	151.948	56.1%
16-Sep	1,690	1,840	294	476	7.1	3,670	3,550	903	451	27.4	83	150.845	55.7%
17-Sep	1,370	1,590	237	697	6.8	3,100	3,240	711	423	27.3	84	149.427	55.2%
18-Sep	1,110	1,300	181	515	6.8	3,500	3,420	767	432	26.7	84	147.905	54.6%
19-Sep	1,530	1,550	167	453	6.9	2,890	2,940	673	397	26.6	84	146.512	54.1%
20-Sep	1,520	1,700	162	434	6.8	2,540	2,520	564	368	25.1	84	145.005	53.5%
21-Sep	1,580	1,770	160	444	7.1	2,770	2,700	527	443	25.4	84	143.552	53.0%
22-Sep	1,560	1,740	152	470	7.0	2,660	2,760	563	482	24.7	84	142.058	52.5%
23-Sep	1,610	1,850	145	459	7.4	2,800	2,890	575	514	25.1	85	140.297	51.8%
24-Sep	1,600	1,810	144	483	7.5	2,770	2,830	619	550	23.9	85	138.686	51.2%
25-Sep	2,260	1,860	144	499	7.5	2,770	2,920	664	561	22.2	85	137.088	50.6%
26-Sep	1,790	1,770	157	506	7.7	2,830	2,970	761	570	22.1	85	135.814	50.1%
27-Sep	1,530	1,550	191	524	7.7	3,220	3,080	769	504	23.0	85	134.705	49.7%
28-Sep	1,380	1,370	199	516	7.8	2,980	2,980	648	601	21.8	85	133.231	49.2%
29-Sep	1,660	1,640	201	533	7.9	2,770	2,790	769	613	20.5	86	131.710	48.6%
30-Sep	1,720	1,720	191	526	8.1	2,630	2,620	748	586	19.8	86	130.107	48.0%
September Avg	1,706	1,724	188	515	7.7	2,992	3,017	657	487	25.0			
Normal		**2,166**	**436**	**1,154**			**4,999**	**1,102**	**929**		**79**		
% of Normal		79.6%	43.2%	44.7%			60.4%	59.6%	52.4%				

NYC 24-hr Reservoir Observations: September 30, 8 am

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	18.597	53.2%	370	75
Pepacton	0.33	81.319	58.0%	497	125
Cannonsville	0.34	30.191	31.5%	200	654
Rondout	0.18	46.856	94.4%	834	0

Directed Releases (cfs): September 30

Blue Marsh	150
Beltzville	50
[b]F.E. Walter	0
Merrill Cr	0
NYC Res.-Excess Bank	0
[c]Lake Wallenpaupack	0

Summary of NYC Storage Observations: September 30

NYC Daily Storage (BG)=	130.107	48.0%
NYC Daily Storage Median (BG)=	179.031	66.1%
BG Below NYC Daily Storage Median =	48.924	-27.33%
BG Above Drought Watch =	19.237	
BG Above Drought Warning =	35.237	
BG Above Drought =	59.237	
BG Below One Year Ago =	142.273	

Daily Usable Storage: September 30

	VOL. (BG)	[d]%CAP
Blue Marsh	4.71	71.8
Beltzville	11.95	91.9

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:

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 Lehighton. For Lehighton, 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.
4. Data was not available on September 29 for the minimum DO on the Lehigh River at Easton