Delaware River Flow and Storage Data - September 2009 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C	[a] Salt Front	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	River Mile	BG	%CAP
1-Sep	4,740	4,370	704	2,190	9.1	11,100	10,900	4,710	3,360	21.2	67	257.920	95.2%
2-Sep	4,820	4,420	675	2,010	9.2	9,870	9,790	3,540	2,510	21.6	68	256.904	94.9%
3-Sep	4,770	4,380	652	1,830	9.1	8,980	9,050	2,790	2,060	22.1	69	256.008	94.5%
4-Sep	4,490	4,120	635	1,670	9.0	8,980	8,850	2,340	1,800	22.3	70	255.147	94.2%
5-Sep	4,080	3,740	838	1,560	8.9	8,190	8,310	2,030	1,650	23.1	70	254.219	93.9%
6-Sep	3,020	2,900	854	1,760	8.8	7,580	7,790	1,880	1,520	22.9	70	253.520	93.6%
7-Sep	2,760	2,650	600	1,690	8.9	7,240	7,110	1,720	1,430	21.8	71	252.836	93.4%
8-Sep	2,560	2,600	560	1,340	8.9	6,490	6,350	1,650	1,380	21.5	71	252.086	93.1%
9-Sep	3,150	2,930	542	1,290	9.0	5,910	5,860	1,600	1,310	21.1	71	251.096	92.7%
10-Sep	3,190	2,800	526	1,250	8.9	5,860	5,880	1,560	1,290	20.6	72	250.197	92.4%
11-Sep	3,190	2,830	541	1,580	9.1	6,400	6,700	4,590	2,270	19.8	72	249.190	92.0%
12-Sep	3,360	2,790	737	2,630	9.2	9,030	9,890	8,520	3,240	19.0	72	248.348	91.7%
13-Sep	2,940	2,660	709	2,350	9.3	11,000	10,700	5,940	2,650	22.6	72	247.621	91.4%
14-Sep	2,500	2,450	586	1,720	9.0	8,290	8,270	3,600	1,850	22.5	72	246.842	91.1%
15-Sep	3,400	2,800	616	1,610	8.8	6,860	6,770	2,480	1,530	21.9	72	245.857	90.8%
16-Sep	2,980	2,530	599	1,590	8.8	6,350	6,600	2,140	1,420	20.8	72	244.847	90.4%
17-Sep	3,190	2,510	623	1,710	8.9	6,220	6,310	1,960	1,390	19.2	72	244.204	90.2%
18-Sep	3,040	2,430	607	1,650	9.2	6,350	6,380	1,890	1,390	20.2	72	243.548	89.9%
19-Sep	3,100	2,430	1,050	1,520	9.3	6,220	6,100	1,810	1,210	20.6	72	242.925	89.7%
20-Sep	2,010	1,990	1,040	1,930	9.3	5,820	6,040	1,590	1,130	20.5	72	242.274	89.5%
21-Sep	1,890	1,760	637	1,790	9.4	6,000	5,910	1,450	1,070	20.7	72	241.719	89.2%
22-Sep	2,170	1,850	536	1,260	9.4	5,570	5,450	1,380	1,100	20.4	72	240.978	89.0%
23-Sep	2,230	1,840	498	1,180	9.2	4,680	4,670	1,380	1,100	21.7	72	239.834	88.6%
24-Sep	2,100	1,880	512	1,170	9.0	5,570	5,150	2,830	1,560	22.2	72	239.834	88.6%
25-Sep	1,860	1,890	494	1,140	8.9	4,830	4,710	2,160	1,190	22.2	72	239.043	88.3%
26-Sep	2,190	1,870	485	1,080	8.8	4,640	4,600	1,580	1,000	20.3	72	238.188	87.9%
27-Sep	2,660	2,070	606	1,590	9.0	4,990	5,250	2,700	1,600	18.7	72	237.808	87.8%
28-Sep	2,030	2,420		1,680	9.1	5,910	6,070	3,510	1,630	18.8	72	237.899	87.8%
29-Sep	3,020	3,020		1,420	9.3	6,170	5,980	2,520	1,600	18.4	72	237.821	87.8%
30-Sep	2,540	2,610	569	1,390	9.4	6,080	6,210	2,100	1,190	17.3	72	237.295	87.6%
Obs. Sept. Avg.	2,999	2,718	644	1,619	9.1	6,906	6,922	2,665	1,648	20.9			
Normal		**2,166**	**436**	**1,154**			**4,999**	**1,102**	**929**		**79**		
% of Normal		125.5%	147.7%	140.3%			138.5%	241.8%	177.4%				

TODAY'S RESERVOIR OBSERVATIONS: September 30, 2009

New York City 24-hr, as of 8 am:

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.01	29.838	85.4%	148	0
Pepacton	0.05	123.187	87.9%	450	0
Cannonsville	0.02	84.270	88.1%	0	0
Rondout	0.01	44.934	90.6%	705	0

NYC Daily Storage (BG)=	**237.295**	87.6%
NYC Daily Storage Median (BG)=	**179.031**	66.1%
BG Abv Daily Storage Median =	58.264	32.54%
BG Abv Drought Watch =	126.425	
BG Abv Drought Warning =	142.425	
BG Abv Drought =	166.425	
BG Abv One Year Ago =	40.804	

Lower Delaware Basin:

	Vol. (BG)	[d] %Capacity
Blue Marsh	6.51	100.2
Beltzville	13.03	100.2

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)

Blue Marsh 0 **Beltzville** 0 **[b]F.E. Walter** 0 **Merrill Cr.** 0 **Lake Wallenpaupack** 0

DATA SOURCES:

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.

NOTES:

[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.

1. During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Flow values reported on this report may be significantly higher or lower than actual streamflow. Revisions will be made as needed when adjusted data becomes available.
2. The salt front river mile location will be updated as chloride data is received.
3. 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).
4. Daily streamflow data is currently unavailable for the Lehigh River at Lehighton for September 28-29, 2009.