Delaware River Flow and Storage Data - October 2009 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	
			Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Easton MIN DO (MG/L)			Philadelphia (CFS)	Pottstown (CFS)	Vincent Dam			
	8:00 AM	MEAN				8:00 AM	MEAN					BG	%CAP
1-Oct	2,260	2,210	544	1,280		6,220	6,090	1,630	1,100		72	236.760	87.4%
2-Oct	1,890	1,870	533	1,160		5,650	5,620	1,520	1,020		72	236.260	87.2%
3-Oct	1,810	1,860	991	1,250		5,070	4,990	1,480	982		72	235.764	87.1%
4-Oct	1,760	1,790	1,060	1,760		4,710	4,860	1,380	947		72	235.536	87.0%
5-Oct	1,760	1,760	2,780	3,010		5,150	5,160	1,330	864		72	235.216	86.8%
6-Oct	1,700	1,690	1,280	2,750		5,480	6,430	1,200	831		72	234.632	86.6%
7-Oct	1,650	1,660	782	1,720		5,570	5,510	1,180	857		72	234.108	86.4%
8-Oct	1,590	1,710	548	1,260		4,790	4,730	1,130	896		72	233.613	86.3%
9-Oct	1,760	1,730	513	1,080		4,370		1,160	814		72	233.019	86.0%
10-Oct	2,030	2,000	682	1,390				1,090	842		72	232.603	85.9%
11-Oct	1,880	1,880	651	1,370		4,600	4,700	1,180	1,030		72	232.258	85.8%
12-Oct	1,810	1,800	620	1,210		4,910	4,820	1,350	870		72	231.789	85.6%
13-Oct	2,010	1,950	604	1,160		4,520	4,490	1,160	807		72	231.139	85.3%
14-Oct	1,760	1,840	531	1,130		4,330	4,330	1,050	817		72	230.369	85.1%
15-Oct	1,810	1,820	538	1,180		4,450	4,510	1,280	879		72	229.600	84.8%
16-Oct	2,000	1,980	603	1,440		4,560	4,750	1,900	1,510		73	229.043	84.6%
17-Oct	1,880	1,890	1,140	1,760		5,190	5,390	3,430	2,110		73	228.567	84.4%
18-Oct	1,860	1,960	1,200	2,380		5,950	6,180	5,050	2,390		74	228.119	84.2%
19-Oct	1,840	1,840	751	2,040		6,040	6,150	3,790	1,970		74	227.680	84.1%
20-Oct	1,880	1,970	862	1,690		5,610	5,540	2,780	1,740		74	227.153	83.9%
21-Oct	2,010	1,960	779	1,620		5,030	5,040	2,430	1,570		74	226.281	83.5%
22-Oct	1,810	1,930	761	1,540		4,950	5,000	2,110	1,430		74	225.446	83.2%
23-Oct	1,960	1,960	746	1,500		4,830	4,800	2,020	1,430		74	224.618	82.9%
24-Oct	2,050	2,190	1,230	2,680		5,150	5,960	4,580	1,960		74	224.144	82.8%
25-Oct	10,700	10,700	2,180	5,760		13,800	15,600	13,700	4,980		74	227.853	84.1%
26-Oct	10,300	9,600	3,830	5,660		17,100	19,900	6,840	4,290		73	229.742	84.8%
27-Oct	6,610	6,480	2,910	5,990		21,300	21,500	6,460	4,040		73	230.893	85.3%
28-Oct	5,600	6,750	3,060	7,630		23,300	24,600		6,430		73	231.706	85.6%
29-Oct	18,700	18,400	4,130	8,940		27,600	28,100	13,300	6,690		73	236.275	87.2%
30-Oct	14,900	14,300	3,590	7,580		35,800	34,700	8,870	5,530		72	238.999	88.2%
31-Oct	11,100	10,900	2,380	5,510		27,900	26,900	6,840	4,430		72	240.555	88.8%
Obs. October Avg.	**3,957**	**3,948**	**1,381**	**2,788**		**9,464**	**9,874**	**3,441**	**2,131**				
Normal		**2,391**	**697**	**1,486**			**5,320**	**1,244**	**940**		**81**		
% of Normal		**165.1%**	**198.1%**	**187.6%**			**185.6%**	**276.6%**	**226.7%**				

TODAY'S RESERVOIR OBSERVATIONS: As of October 31

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	30.359	86.9%	0	0
Pepacton	0.00	117.821	84.0%	431	0
Cannonsville	0.00	92.375	96.5%	0	0
Rondout	0.00	44.130	88.9%	701	0

NYC Daily Storage (BG)=	**240.555**	88.8%
NYC Daily Storage Median (BG)=	**147.470**	54.4%
BG Abv Daily Storage Median =	93.085	63.12%
BG Abv Drought Watch =	130.555	
BG Abv Drought Warning =	146.555	
BG Abv Drought =	170.555	
BG Abv One Year Ago =	52.462	

Lower Delaware Basin:

	Vol. (BG)	[d] %Capacity
Blue Marsh	5.23	109.9
Beltzville	13.06	100.5

NOTE--Blue Marsh Reservoir is being drawn-down to winter pool storage of 4.76 bg.

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. 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 2010.
5. As of October 15, Blue Marsh reservoir will begin its seasonal drawdown to winter pool storage of 4.76 bg.
6. Some streamflow data is currently unavailable for the Delaware River at Trenton for October 9-10.
7. Streamflow data is currently unavailable for the Schuylkill River at Philadelphia for October 28.