Delaware River Flow and Storage Data - August 2009 Summary

								Schuylkill River @				New York City	
	Delaware @ Montague (CFS)		Lehigh River @			Delawa	ire @	· ·		Max Temp	Max Temp a Salt	Delaware River Basin	
DAY			Lehighton Bethl Easton		Trenton (CFS)				Degrees C	Front	Storage		
			FLOW	FLOW	MIN DO	Tremon (ers)		Philadelphia	Pottstown	Vincent	River		
	8:00 AM	MEAN	(CFS)	(CFS)	(MG/L)	8:00 AM	MEAN	(CFS)	(CFS)	Dam	Mile	BG	%CAP
1-Aug	21,300	22,200	661	2,400	8.4	24,600	23,400	2,730	1,370	26.7	70	269.824	99.6%
2-Aug	16,900	17,200	912	3,840	8.3	29,600	39,600	12,400	3,730	25.2	70	271.138	100.1%
3-Aug	17,700	18,000	1,100	4,680	8.3	34,100	33,900	13,000	5,540	24.4	70	272.017	100.4%
4-Aug	13,100	12,800	795	3,570	8.6	28,300	27,900	6,010	3,760	24.6	69	272.628	100.7%
5-Aug	10,800	10,500	716	3,140	8.7	21,400	20,800	4,060	2,610	24.7	69	271.915	100.4%
6-Aug	8,580	8,430	675	2,510	8.6	18,100	17,500	3,000	2,010	24.5	68	271.170	100.1%
7-Aug	7,600	7,540	644	2,020	8.6	15,100	14,600	2,360	1,630	24.6	67	270.139	99.7%
8-Aug	6,640	6,210	840	1,760	8.6	13,300	12,900	1,930	1,410	25.2	67	269.022	99.3%
9-Aug	5,150	5,140	949	2,310	8.6	12,000	11,800	6,780	3,600	24.1	66	267.752	98.9%
10-Aug	5,360	11,100	811	2,600	8.5	10,800	11,000	7,750	4,930	23.8	66	268.987	99.3%
11-Aug	23,600	24,000	681	2,050	8.1	10,400	16,100	5,170	3,620	24.8	66	269.852	99.6%
12-Aug	17,000	10,300	678	1,770	7.9	28,300	28,300	3,860	2,630	25.0	67	269.458	99.5%
13-Aug	12,500	12,400	2,080	6,980	7.9	22,300	25,800	6,160	3,680	24.3	67	268.962	99.3%
14-Aug	11,600	11,000	1,360	4,370	8.5	28,000	26,300	6,650	4,060	23.5	67	268.155	99.0%
15-Aug	9,760	9,080	1,220	3,420	8.5	20,500	19,800	4,470	2,980	24.6	67	267.162	98.6%
16-Aug	7,690	7,540	1,220	3,040	8.3	17,100	16,600	3,400	2,420	25.6 26.3	67	266.000	98.2%
17-Aug	6,470	6,740	1,130	2,770	8.3	14,600	14,300	2,810	2,080	26.3	67	264.649	97.7%
18-Aug 19-Aug	6,550 5,930	6,100 5,620	1,080 1,000	2,580 2,410	8.2 8.1	12,800 12,300	12,700 12,100	2,360 3.120	1,980 1,990	20.7	67 67	263.302 262.232	97.2% 96.8%
20-Aug	5,760	5,370	1,000	2,410	8.1	11,300	12,100	2,550	2,660	27.2	67	262.232	96.8%
20-Aug 21-Aug	5,440	5,550	1,150	2,970	8.2	12,000	11,400	3,530	2,650	25.1	68	260.424	96.3%
21-Aug 22-Aug	11,300	9,490	2.000	4,130	8.1	16,400	15,600	6,850	3,660	24.0	68	260.424	96.2%
22-Aug 23-Aug	14,100	13,100	1,800	3,650	8.4	19,800	18,600	6,220	3,190	24.0	68	260.339	96.1%
23-Aug 24-Aug	10,900	10,300	909	2,730	8.5	21,900	20,600	4,120	3,190	24.4	68	260.154	96.1%
25-Aug	8,320	7,830	829	2,730	8.5	17,200	16,700	3,570	2,680	25.1	67	259.432	95.8%
25-Aug 26-Aug	6,580	6,190	786	2,330	8.4	14,500	13,800	2,820	1,990	26.1	67	258.930	95.6%
27-Aug	5,710	5,360	750	2,190	8.4	12,200	11,700	2,210	1,990	26.1	67	258.504	95.4%
28-Aug	5,180	4,940	743	2,950	8.5	15,300	14,800	2,730	2,730	24.5	66	258.013	95.3%
29-Aug	4,820	4,660	829	3,580	8.7	15,300	15,000	6,350	5,040	22.7	66	257.705	95.2%
30-Aug	4,940	5,000	889	2,960	8.8	15,600	14,700	9,160	5,920	22.2	66	258.337	95.4%
31-Aug	5,070	4,890	771	2,400	8.9	12,200	12,000	6,330	4,490	21.5	67	258.575	95.5%
Obs. August Avg	9,753	9,503	1,005	3,002	8.4	17,977	18,129	4,983	3,096	24.8	07	230.373	75.570
Normal	2,700	2,129	455	1,088	0.4	21,511	5,070	1,154	824	24.0	77		
% of Normal		446.3%	220.9%	275.9%			357.6%	431.8%	375.7%				

TODAY'S RESERVOIR OBSERVATIONS: August 31, 2009

New York City 24-hr, as of 8 am:									Lower Delaware Basin:		
	Precip	Usable	Storage	Draft	Directed Rel	NYC Daily Storage (BG)=	258.575	95.5%	_	Vol. (BG)	^d %Capacity
	(IN.)	(BG)	(%)	(MG)	(MG)	NYC Daily Storage Median (BG)=	204.376	75.5%	Blue Marsh	6.89	106.0
Neversink	0.00	33.293	95.3%	0	0	BG Abv Daily Storage Median =	54.199	26.52%	Beltzville	13.14	101.1
Pepacton	0.00	133.653	95.3%	302	0	BG Abv Drought Watch =	121.619				
Cannonsville	0.00	91.629	95.7%	200	0	BG Abv Drought Warning =	137.619				
Rondout	0.00	46.856	94.4%	707	0	BG Abv Drought =	161.619				
						BG Abv One Year Ago =	42.382				

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): August 31, 2009

Blue Marsh 0 Beltzville 0 ^bF.E. Walter 0 Merrill Cr. 0 Lake Wallenpaupack

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.
- 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).