Delaware River Flow and Storage Data - August 2011 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp	[a] Salt	New York City Delaware River Basin Storage	
			Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Glendon MIN DO (MG/L)			Philadelphia (CFS)	Pottstown (CFS)	Degrees C Vincent Dam	Front River Mile	BG	%CAP
	8:00 AM	MEAN				8:00 AM	MEAN						
1-Aug	3,020	2,950	554	1,460	8.0	5,860	6,010	856	677	30.9	71	247.486	91.4%
2-Aug	2,960	2,900	521	1,170	7.9	5,400	5,400	831	648	29.9	71	246.708	91.1%
3-Aug	2,840	2,670	511	1,160	7.9	4,910	5,110	452	633	27.8	71	245.739	90.7%
4-Aug	2,940	2,740	530	1,290	8.1	4,910	5,130	965	859	25.5	71	245.073	90.5%
5-Aug	3,100	2,980	517	1,210	8.3	4,710	4,800	650	911	26.9	71	244.183	90.2%
6-Aug	3,100	2,890	739	1,120	8.4	4,790	4,930	562	755	27.4	72	243.096	89.8%
7-Aug	6,100	7,370	1,290	7,960	8.2	5,070	7,080	622	4,220	26.8	72	242.504	89.5%
8-Aug	7,940	8,550	779	4,290	8.7	17,500	18,100	5,560	4,470	25.8	72	241.707	89.2%
9-Aug	7,050	7,180	681	2,890	8.5	14,900	15,400	3,190	2,560	25.4	72	240.909	88.9%
10-Aug	5,710	6,690	636	2,490	8.6	13,800	13,200	2,570	2,060	25.9	72	240.723	88.9%
11-Aug	6,820	6,740	585	2,010	8.7	11,200	11,100	1,550	1,550	25.9	72	240.269	88.7%
12-Aug	5,820	5,630	553	1,750	8.6	11,200	10,900	1,100	1,240	26.1	72	239.625	88.5%
13-Aug	4,870	4,840	747	1,700	8.6	9,980	9,420	812	1,080	25.6	72	238.920	88.2%
14-Aug	4,770	4,690	1,230	9,600		13,000	21,500	3,400	4,650	24.0	72	238.649	88.1%
15-Aug	5,630	6,910	1,100	6,980	9.2	25,000	24,000	7,380	5,210	22.3	71	238.482	88.1%
16-Aug	13,100	13,100	855	4,870	9.4	21,700	22,900	4,540	3,390	23.0	71	240.742	88.9%
17-Aug	13,000	12,600	770	3,880	9.5	27,400	26,700	2,760	2,400	24.6	71	242.108	89.4%
18-Aug	9,040	8,680	693	2,990	9.3	23,200	22,400	2,390	1,820	25.0	71	242.388	89.5%
19-Aug	7,200	6,840	737	2,580	9.0	17,600	17,400	2,620	1,440	26.5	70	242.424	89.5%
20-Aug	6,490	6,750	1,650	3,460	9.0	16,200	16,100	3,210	1,300	26.9	69	242.399	89.5%
21-Aug	5,930	5,850	1,470	3,390	9.1	15,100	15,500	3,910	1,250	25.6	69	242.035	89.4%
22-Aug	4,990	5,070	1,510	3,780	8.9	18,400	17,100	3,290	1,480	25.5	68	242.010	89.4%
23-Aug	4,520	4,750	1,110	2,940	9.2	14,400	13,700	1,690	1,300	25.3	68	241.692	89.2%
24-Aug	4,440	4,600	846	2,400	9.3	12,000	11,400	1,140	1,040	25.5	68	241.215	89.1%
25-Aug	4,610	4,740	1,000	2,510	9.1	10,400	10,600	1,580	1,100	24.5	68	240.515	88.8%
26-Aug	5,310	5,470	3,270	4,560	9.0	11,000	11,500	1,420	1,630	26.6	68	240.416	88.8%
27-Aug	6,550	6,560	3,860	6,190	8.9	14,200	15,300	2,810	2,740	25.0	68	240.434	88.8%
28-Aug	13,900	40,800	3,750	22,300	8.4	103,000	101,000	65,100	12,900	23.5	68	243.774	90.0%
29-Aug	100,000	78,700	3,450	13,300	8.9	142,000	139,000	23,800	11,500	21.2	67	268.622	99.2%
30-Aug	44,200	40,500	5,680	10,000	9.5	119,000	107,000	9,060	5,860	20.8	67	271.278	100.2%
31-Aug	25,700	24,300	7,610	11,000	9.6	68,000	65,300	5,610	4,220	21.4	65	271.595	100.3%
Obs. August Avg.	11,021	11,130	1,588	4,749	8.8	25,349	24,999	5,336	2,803	25.4			
Normal		**2,129**	**455**	**1,088**			**5,070**	**1,154**	**824**		**77**		
% of Normal		522.8%	349.1%	436.5%			493.1%	462.4%	340.2%				

TODAY'S RESERVOIR OBSERVATIONS: August 31, 2011

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	35.180	100.7%	0	0
Pepacton	0.00	142.397	101.6%	0	0
Cannonsville	0.00	94.018	98.2%	0	0
Rondout	0.00	49.855	100.5%	278	0

NYC Daily Storage (BG)=	**271.595**	100.3%
NYC Daily Storage Median (BG)=	**204.376**	75.5%
BG Above Daily Storage Median =	67.219	32.89%
BG Above Drought Watch =	134.639	
BG Above Drought Warning =	150.639	
BG Above Drought =	174.639	
BG Above One Year Ago =	86.028	

Lower Delaware Basin:

	Vol. (BG)	[d]%Capacity
Blue Marsh	5.73	102.2
Beltzville	15.13	108.7

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): August 31, 2011

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) .