Delaware River Flow and Storage Data - August 2010 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)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	Vincent Dam		BG	%CAP
1-Aug	1,570	1,600	567	1,050	8.0	2,830	2,870	622	872	27.0	73	218.690	80.7%
2-Aug	1,910	1,830	407	1,130	8.2	3,500	3,280	702	1,180	26.5	73	217.552	80.3%
3-Aug	1,880	1,770	346	893	8.2	3,410	3,320	833	1,170	26.6	73	216.581	80.0%
4-Aug	1,830	1,800	337	767	8.0	3,380	3,330	793	1,010	28.9	73	215.348	79.5%
5-Aug	1,940	1,840	332	674	7.7	3,250	3,140	661	549	29.5	73	214.095	79.0%
6-Aug	1,980	1,840	321	663	7.7	3,160	3,080	581	201	29.4	73	213.072	78.7%
7-Aug	2,280	1,930	498	636	7.8	3,130	3,040	520	459	29.1	74	211.763	78.2%
8-Aug	1,910	1,870	504	904	7.8	3,070	3,000	492	437	29.1	74	210.359	77.7%
9-Aug	1,960	1,860	346	832	7.8	3,500	3,280	509	452	30.0	74	208.837	77.1%
10-Aug	2,000	1,880	250	633	7.5	3,190	3,140	469	532	31.2	75	206.982	76.4%
11-Aug	2,010	1,900	241	624	7.3	3,010	2,960	532	566	30.7	75	205.021	75.7%
12-Aug	2,080	1,950	245	641	7.3	2,980	2,940	650	649	29.2	76	203.129	75.0%
13-Aug	2,150	2,030	266	721	7.3	3,070	3,050	1,180	756	25.7	77	201.470	74.4%
14-Aug	1,930	1,910	403	611	7.5	3,250	3,150	816	647	26.5	77	199.812	73.8%
15-Aug	1,710	1,770	530	863	7.6	3,220	3,120	680	542	25.0	78	198.050	73.1%
16-Aug	2,170	2,140	398	1,000	7.9	3,380	3,370	707	636	26.7	78	196.502	72.6%
17-Aug	2,320	2,340	332	671	7.5	3,500	3,430	1,160	701	27.9	79	195.076	72.0%
18-Aug	2,430	2,270	336	646	7.3	3,440		841	669	26.4	79	193.558	71.5%
19-Aug	2,050	1,950	304	616	7.3	3,570	3,510	749	537	28.1	79	192.245	71.0%
20-Aug	1,760	1,710	290	568	7.2	3,440	3,340	566	482	28.9	79	190.856	70.5%
21-Aug	1,680	1,710	442	577	7.2	3,070	2,990	529	533	27.2	79	189.403	69.9%
22-Aug	1,760	1,900	701	928	7.3	2,800	2,830	839	585	26.2	79	188.162	69.5%
23-Aug	2,280	3,470	667	1,290	7.6	3,250	3,310	1,010	622	25.7	79	188.068	69.4%
24-Aug	8,490	7,860	495	958	7.9	4,040	4,020	935	591	24.0	79	188.677	69.7%
25-Aug	5,660	5,500	464	809	7.9	6,530	7,930	723	474	24.0	80	188.536	69.6%
26-Aug	4,890	4,870	429	764	7.7	8,770	8,270	585	425	26.2	80	188.246	69.5%
27-Aug	3,760	3,770	376	699	7.7	6,490	6,510	466	398	26.2	80	187.907	69.4%
28-Aug	3,000	2,900	581	621	7.8	6,000	5,780	447	370	26.7	80	187.422	69.2%
29-Aug	2,490	2,430	617	910	7.8	4,680	4,540	421	399	27.6	79	186.894	69.0%
30-Aug	2,700	2,300	390	896	7.7	4,260	4,000	444	383	28.5	79	186.399	68.8%
31-Aug	2,540	2,260	323	560	7.4	3,800	3,590	402	373	29.3	79	185.567	68.5%
Obs. August Avg.	**2,552**	**2,489**	**411**	**779**	**7.6**	**3,838**	**3,804**	**673**	**587**	**27.5**			
Normal		**2,129**	**455**	**1,088**			**5,070**	**1,154**	**824**		**77**		
% of Normal		**116.9%**	**90.3%**	**71.6%**			**75.0%**	**58.3%**	**71.2%**				

TODAY'S RESERVOIR OBSERVATIONS: August 31, 2010

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	25.466	72.9%	0	0
Pepacton	0.00	104.351	74.4%	449	0
Cannonsville	0.00	55.750	58.3%	299	70
Rondout	0.00	47.149	95.0%	817	0

NYC Daily Storage (BG)=	**185.567**	68.5%
NYC Daily Storage Median (BG)=	**204.376**	75.5%
BG Below Daily Storage Median =	18.809	-9.20%
BG Abv Drought Watch =	48.611	
BG Abv Drought Warning =	64.610	
BG Abv Drought =	88.610	
BG Below One Year Ago =	73.008	

Lower Delaware Basin:

	Vol. (BG)	[d] %Capacity
Blue Marsh	6.15	94.6
Beltzville	12.63	97.2

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): August 31, 2010

Blue Marsh	100	**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. The water quality monitor at the Lehigh River at Easton has been relocated 2.5 miles upstream to Glendon (USGS gage # 01454700) as of July 29, 2010. Min DO will now be measured from this new location.
5. For Delaware @ Trenton (CFS) MEAN for August 18, 2010 data currently unavailable.