Delaware River Flow and Storage Data - July 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)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	Vincent Dam		BG	%CAP
1-Jul	2,030	1,920	377	773		3,970	3,750	492	629	26.7		246.587	91.0%
2-Jul	1,940	1,840	404	762		3,630	3,580	375	619	26.3		245.484	90.6%
3-Jul	1,890	1,760	405	860		3,500	3,390	396	599	28.1		244.235	90.2%
4-Jul	2,390	2,020	402	890		3,440	3,340	412	627	29.4		243.277	89.8%
5-Jul	2,230	1,900	383	880		3,350	3,260	404	620	30.8		242.336	89.5%
6-Jul	2,070	1,940	371	845		3,630	3,440	346	621	32.3		241.382	89.1%
7-Jul	2,120	1,980	367	730		3,440	3,300	349	623	32.2		240.247	88.7%
8-Jul	2,300	2,080	358	684		3,250	3,230	327	620	31.7		239.126	88.3%
9-Jul	2,210	1,900	356	684		3,310	3,240	551	633	31.1		238.129	87.9%
10-Jul	2,540	2,150	518	2,240		3,440	3,590	1,650	1,730	29.3		237.373	87.6%
11-Jul	2,100	2,060	585	1,260		8,240	7,060	2,730	1,480	27.7		236.863	87.5%
12-Jul	1,980	1,840	417	1,090		4,790	4,530	1,390	971	28.1	75	236.140	87.2%
13-Jul	2,190	1,860	392	932		4,410	4,660	3,400	1,380	27.5		235.231	86.9%
14-Jul	2,010	1,830	449	1,930		4,520	4,550	2,810	3,570			234.350	86.5%
15-Jul	1,710	1,780	415	1,520		7,930	7,080	5,970	5,490		74	233.524	86.2%
16-Jul	1,780	1,790	405	1,080		5,230	4,960	4,040	3,130		74	232.533	85.9%
17-Jul	2,300	1,890	397	938		4,190	3,960	2,350	1,850		74	231.573	85.5%
18-Jul	1,660	1,610	383	880		3,670	3,630	1,560	1,550		74	230.561	85.1%
19-Jul	1,810	1,770	365	879		3,700	3,500	1,420	1,300		74	229.747	84.8%
20-Jul	2,050	1,900	368	923		3,310	3,320	1,580	1,270		73	228.795	84.5%
21-Jul	2,190	1,800	362	934		3,470	3,520	1,190	1,240		73	227.733	84.1%
22-Jul	1,860	1,760	358	1,020		3,770	3,660	1,320	1,380		73	227.002	83.8%
23-Jul	2,370	2,160	349	844		3,700	3,530	1,190	1,220	29.5	72	226.074	83.5%
24-Jul	2,980	2,760	504	910		3,250	3,310	960	1,050	31.1	72	225.672	83.3%
25-Jul	2,760	2,620	550	1,160		3,770	3,820	1,120	1,060	31.0	72	225.252	83.2%
26-Jul	2,540	2,350	415	1,390		4,910	4,900	1,090	1,170		72	224.678	83.0%
27-Jul	2,140	1,990	338	903		4,910	4,640	971	1,250		72	223.848	82.7%
28-Jul	1,810	1,710	338	851		3,900	3,830	891	996	29.3	72	222.938	82.3%
29-Jul	1,960	1,670	353	839		3,570	3,470	712	975	30.0	72	221.965	82.0%
30-Jul	1,520	1,440	345	798	7.8	3,380	3,240	638	914	28.7	73	220.993	81.6%
31-Jul	2,000	1,590	467	785	7.9	3,250	3,090	635	878	28.9	73	219.796	81.2%
Obs. July Avg	**2,111**	**1,925**	**403**	**1,007**	**7.9**	**4,091**	**3,948**	**1,396**	**1,337**	**29.5**			
Normal		**2,576**	**728**	**1,433**			**6,154**	**1,388**	**1,059**		**72**		
% of Normal		**74.7%**	**55.4%**	**70.3%**			**64.1%**	**100.6%**	**126.2%**				

TODAY'S RESERVOIR OBSERVATIONS: July 31, 2010

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	29.571	84.6%	136	65
Pepacton	0.00	116.009	82.8%	400	90
Cannonsville	0.00	74.216	77.5%	198	420
Rondout	0.00	48.550	97.8%	716	0

NYC Daily Storage (BG)=	**219.796**	81.2%
NYC Daily Storage Median (BG)=	232.432	85.8%
BG Below Daily Storage Median =	12.636	-5.44%
BG Abv Drought Watch =	55.013	
BG Abv Drought Warning =	71.013	
BG Abv Drought =	95.013	
BG Below One Year Ago =	45.022	

Lower Delaware Basin:

	Vol. (BG)	[d] %Capacity
Blue Marsh	6.52	100.3
Beltzville	12.95	99.6

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)- July 31, 2010

Blue Marsh	0	**Beltzville**	100	[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. Salt front river mile location is currently unavailable for July 1 - 11, and 13 - 14 due to technical problems at the Delaware River at Reedy Island gage.
5. For Lehigh River at Easton the Min DO (mg/l) is unavailable for July 1- 29. The water quality monitor at Easton has been relocated 2.5 miles upstream to Glendon (01454700) as of July 29, 2010.
6. For Vincent Dam the Max Temp C is temporarily unavailable for July 14 - 22, and 26-27.