

Delaware River Flow and Storage Data - July 2011 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @			Max Temp Degrees C Vincent Dam	a Salt Front River Mile	New York City Delaware River Basin Storage	
	8:00 AM	MEAN	Lehigh FLOW (CFS)	Bethl FLOW (CFS)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	BG			%CAP	
														BG
1-Jul	8,650	8,110	877	1,730		17,600	16,400	714	899	27.0	70	264,922	97.8%	
2-Jul	6,180	6,110	725	1,560		13,900	13,300	640	857	31.0	70	265,002	97.8%	
3-Jul	5,740	8,850	745	1,560	8.6	11,600	11,100	627	839	29.1	70	265,056	97.9%	
4-Jul	21,400	23,400	862	1,830	8.3	12,800	15,700	624	873	28.8	70	269,041	99.3%	
5-Jul	17,500	16,900	878	1,620	8.4	30,300	29,400	667	829	30.1	70	269,908	99.7%	
6-Jul	13,300	12,800	991	1,890	8.4	23,000	22,200	594	796		70	269,517	99.5%	
7-Jul	10,700	10,300	889	1,830	8.3	18,700	18,200	592	797	29.5	70	269,011	99.3%	
8-Jul	9,280	9,160	800	2,080	8.2	16,200	15,900	839	1,010	28.1	70	268,311	99.1%	
9-Jul	10,300	10,100	911	1,860		16,500	16,800	1,470	1,010	27.9	70	267,667	98.8%	
10-Jul	8,230	8,000	837	1,640	8.1	16,900	16,900	940	818	28.9	70	266,921	98.6%	
11-Jul	6,610	6,510	755	1,600	8.0	14,000	13,800	688	764	29.9	69	266,137	98.3%	
12-Jul	5,440	5,550	643	1,390	7.8	11,600	11,400	571	745	31.0	69	265,287	98.0%	
13-Jul	5,050	5,040	597	1,280		9,980	9,770	524	718	28.9	69	264,447	97.6%	
14-Jul	4,570	4,470	573	1,230		9,030	8,770	470	671	28.4	69	263,584	97.3%	
15-Jul	4,060	4,090	554	1,150		8,240	7,980	438	604	28.3	69	262,465	96.9%	
16-Jul	3,850	3,770	546	1,080		7,190	7,150	389	576	29.1	69	261,417	96.5%	
17-Jul	3,400	3,190	543	1,050		6,720	6,710	363	576	29.7	69	260,615	96.2%	
18-Jul	3,150	3,100	535	1,040	8.1	5,860	5,870	397	580	30.7	69	259,772	95.9%	
19-Jul	3,320	3,270	545	1,120	7.9	5,310	5,420	393	583	31.6	69	258,811	95.6%	
20-Jul	3,100	3,040	523	1,110	7.8	5,570	5,710	398	599	31.6	70	257,959	95.2%	
21-Jul	3,250	3,100	511	1,050	7.7	5,360	5,400	352	567	32.6	70	257,018	94.9%	
22-Jul	3,400	3,190	502	1,000	7.4	5,030	5,200	301	544	34.0	70	255,822	94.5%	
23-Jul	3,170	3,220	678	962	7.2	4,910	5,170	235	518	33.8	70	254,573	94.0%	
24-Jul	2,800	2,850	723	1,200	7.4	4,790	5,140	252	517	31.9	70	253,398	93.6%	
25-Jul	3,100	3,050	931	3,280	7.6	5,150	5,220	401	524	30.1	70	252,439	93.2%	
26-Jul	3,690	3,480	1,020	4,820	7.7	13,600	12,400	1,430	1,490	29.1	71	252,362	93.2%	
27-Jul	4,110	3,790	658	2,250	8.1	8,870	8,840	1,270	1,150	29.1	71	251,712	92.9%	
28-Jul	3,620	3,370	574	1,590	8.1	7,390	7,550	795	875	27.5	71	250,772	92.6%	
29-Jul	3,040	3,050	558	1,480	8.3	6,810	6,910	1,390	857	29.2	71	250,034	92.3%	
30-Jul	3,320	3,270	754	1,420	8.0	6,260	6,280	2,970	758	30.2	71	249,322	92.1%	
31-Jul	3,530	3,200	764	1,560	8.0	5,860	6,080	2,480	797	30.7	71	248,414	91.7%	
Obs. July Avg	6,157	6,172	710	1,621	8	10,807	10,731	781	766	30				
Normal		2,576	728	1,433			6,154	1,388	1,059		72			
% of Normal		239.6%	97.5%	113.1%			174.4%	56.3%	72.3%					

TODAY'S RESERVOIR OBSERVATIONS: July 31, 2011

New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=			Lower Delaware Basin:		
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)		248.414	91.7%	Vol. (BG)	6%Capacity		
Neversink	0.00	32.000	91.6%	212	0	232.432	85.8%	Blue Marsh	5.64	100.6	
Pepacton	0.00	131.291	93.7%	449	0	15.982	6.88%	Beltzville	13.99	100.5	
Cannonsville	0.00	85.123	88.9%	0	0	84.501					
Rondout	0.00	48.449	97.6%	704	0	100.501					
						124.501					
						28.618					

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

Blue Marsh	0	Beltzville	F.E. Walter	0	Merrill Cr.	0	Lake Wallenpaupack	0
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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; Min DO= Minimum Dissolved Oxygen; MG= Million Gallons; Degrees C= Degrees Celsius
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. Minimum dissolved oxygen data for the Lehigh River at Glendon is not available for July 1, 2, 9, 13-17.
5. Maximum temperature for the Schuylkill River at Vincent Dam is not available for July 6.