

Delaware River Flow and Storage Data - September 2010 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	Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	384			79	BG	%CAP
1-Sep	2,500	2,130	300	601	7.6	3,310	3,160	238	384	29.5	79	184.660	68.2%		
2-Sep	2,300	1,990	291	696	7.3	3,220	3,040	240	426	29.9	79	183.717	67.8%		
3-Sep	2,560	2,090	288	755	7.3	3,070	2,950	268	418	27.9	79	182.580	67.4%		
4-Sep	2,500	2,120	440	849	7.2	2,920	2,830	254	442	26.5	79	181.201	66.9%		
5-Sep	2,100	2,150	363	1,150	7.7	3,070	2,910	269	469	24.8	79	179.816	66.4%		
6-Sep	2,080	2,080	272	894	8.1	3,410	3,140	298	442	24.5	80	178.519	65.9%		
7-Sep	2,010	2,000	262	842	8.2	2,950	3,000	314	441	26.1	80	177.313	65.5%		
8-Sep	2,500	2,140	258	835	7.8	2,950	2,950	296	453	26.9	81	176.055	65.0%		
9-Sep	2,340	2,000	254	823	7.8	2,830	2,790	266	531	23.6	81	174.784	64.5%		
10-Sep	2,210	1,940	255	829	7.9	3,070	2,910	326	539	21.6	82	173.504	64.1%		
11-Sep	2,230	1,980	243	830	8.1	2,890	2,840	346	537	23.2	82	172.084	63.5%		
12-Sep	2,580	2,250	254	882	8.1	2,830	2,840	419	623	21.5	83	170.618	63.0%		
13-Sep	2,100	2,100	256	877	8.2	3,100	3,060	517	609	23.2	84	169.330	62.5%		
14-Sep	2,640	2,230	218	809	8.0	3,350	3,260	455	469	23.4	84	168.402	62.2%		
15-Sep	2,560	2,190	193	689	8.1	3,130	3,070	326	355	23.2	84	167.178	61.7%		
16-Sep	2,470	2,200	191	752	8.2	3,190	3,050	217	346	22.1	84	166.009	61.3%		
17-Sep	1,760	1,850	192	698	7.9	3,310	3,180	254	417	23.7	84	164.901	60.9%		
18-Sep	1,660	1,810	185	854	8.0	3,280	3,090	259	505	22.8	84	163.587	60.4%		
19-Sep	1,600	1,600	178	902	8.3	2,770	2,820	318	565	23.3	84	162.529	60.0%		
20-Sep	1,780	1,750	175	883	8.3	2,710	2,790	362	540	22.6	84	161.533	59.6%		
21-Sep	2,000	1,810	172	697	8.4	2,600	2,600	309	516	22.2	85	160.194	59.1%		
22-Sep	1,860	1,750	178	872	8.2	2,600	2,560	316	654	23.5	85	158.946	58.7%		
23-Sep	2,150	1,840	198	882	8.3	2,710	2,890	515	772	23.9	85	157.590	58.2%		
24-Sep	2,000	1,900	185	810	7.9	2,950	2,920	563	840	24.9	85	156.284	57.7%		
25-Sep	1,930	1,910	187	553	7.8	2,890	2,820	555	523	25.9	85	154.701	57.1%		
26-Sep	2,470	2,010	168	446	7.9	2,660	2,620	294	431	23.7	85	153.468	56.7%		
27-Sep	1,910	1,890	169	454	7.8	2,490	2,570	332	453	21.5	85	152.543	56.3%		
28-Sep	1,680	1,870	191	669	7.6	2,770	2,700	353	519	23.1	86	151.760	56.0%		
29-Sep	1,450	1,580	236	659	7.9	2,800	2,920	469	485	22.4	86	151.354	55.9%		
30-Sep	1,370	1,450	1,200	3,200	7.8	3,380	3,370	2,770	3,090	21.2	86	150.869	55.7%		
Obs. Sept. Avg.	2,110	1,954	265	856	7.9	2,974	2,922	424	593	24.1					
Normal		2,166	436	1,154		4,999	1,102	929	79						
% of Normal		90.2%	60.8%	74.2%		58.4%	38.5%	63.8%							

TODAY'S RESERVOIR OBSERVATIONS:

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.35	22.412	64.1%	152	0
Pepacton	0.15	91.364	65.2%	448	0
Cannonsville	0.24	37.093	38.8%	99	0
Rondout	0.38	46.889	94.5%	700	0

NYC Daily Storage (BG)=	150.869	55.7%
NYC Daily Storage Median (BG)=	179.031	66.1%
BG Below Daily Storage Median =	28.162	-15.73%
BG Abv Drought Watch =	40.000	
BG Abv Drought Warning =	56.000	
BG Abv Drought =	80.000	
BG Below One Year Ago =	86.426	

Lower Delaware Basin:

	Vol. (BG)	%Capacity
Blue Marsh	3.94	60.6
Beltzville	8.93	68.7

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)

Blue Marsh	0	Beltzville	0	^b 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; 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.