

Delaware River Flow and Storage Data - November 2002 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @			a Salt Front River Mile	New York City Delaware River Basin Storage	
	8:00 AM	MEAN	Lehigh FLOW (CFS)	Bethl FLOW (CFS)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Phila (CFS)	Potts (CFS)	Max Temp Degrees C Vincent Dam		BG	%CAP
1-Nov	3,720	3,570	1,310	2,330		10,500	10,300	4,110	2,750		68	156.067	57.6%
2-Nov	3,500	3,480	1,120	2,110		9,360	9,420	3,300	2,300		68	156.293	57.7%
3-Nov	3,320	3,310	1,070	1,960		8,500	8,660	2,750	2,080		68	156.716	57.9%
4-Nov	3,200	3,020	1,030	1,880		8,240	8,160	2,450	1,890		68	157.161	58.0%
5-Nov	3,050	2,810		1,760		7,730	7,650	2,130	1,520		68	157.261	58.1%
6-Nov	2,770	2,960		2,010		7,580	7,790	2,540	1,830		68	157.879	58.3%
7-Nov	4,490	4,350		1,960		7,880	8,090	2,940	1,990		68	158.468	58.5%
8-Nov	4,060	4,220	1,060	1,820		8,500	8,860	2,310	1,590		68	158.990	58.7%
9-Nov	3,900	3,790	1,270	1,850		9,030	8,940	1,850	1,470		68	159.306	58.8%
10-Nov	3,200	3,180	1,270	1,910		9,200	8,850	1,740	1,400		68	159.520	58.9%
11-Nov	3,030	3,100	1,280	1,920		8,140	8,050	1,730	1,370		68	159.848	59.0%
12-Nov	2,990	3,190	1,320	2,060		7,630	8,000	2,260	1,710		68	160.148	59.1%
13-Nov	3,610	4,480	1,670	2,610		10,900	10,500	5,350	2,330		68	161.098	59.5%
14-Nov	5,770	5,740	1,760	2,600		10,900	10,900	3,560	2,120		68	162.261	59.9%
15-Nov	5,110	4,990	1,710	2,490		12,700	12,400	2,690	1,750		68	163.238	60.3%
16-Nov	4,830	4,860	1,740	2,650		11,600	11,600	2,560	2,110		68	164.106	60.6%
17-Nov	5,980	8,480	2,410	4,930		19,600	20,600	11,900	5,150		68	165.549	61.1%
18-Nov	14,500	15,100	2,670	6,110		27,800	30,400	11,800	6,380		68	168.146	62.1%
19-Nov	15,200	14,200	3,870	6,120		34,200	34,400	8,230	5,670		68	170.065	62.8%
20-Nov	12,100	11,400	4,570	7,390		30,700	30,500	6,420	4,610		68	171.720	63.4%
21-Nov	10,700	10,000	2,270	4,100		26,700	25,200	5,210	3,720		67	173.381	64.0%
22-Nov	9,850	9,530	2,300	3,860		21,600	21,400	4,640	3,360		67	175.257	64.7%
23-Nov	10,800	10,700	2,380	3,840		21,400	21,100	4,860	3,280		66	177.909	65.7%
24-Nov	11,300	10,700	2,180	3,420		21,400	21,000	4,140	2,840		65	181.152	66.9%
25-Nov	10,100	9,240	2,100	3,200		20,900	20,000	3,550	2,550		64	183.805	67.9%
26-Nov	8,650	8,060	2,030	2,930		18,500	17,700	3,130	2,240		64	185.965	68.7%
27-Nov	7,690	7,370	2,000	2,910		16,800	16,400	3,080	2,260		63	187.938	69.4%
28-Nov	7,470	6,680	1,900	2,770		16,000	15,600	3,150	2,200		63	189.699	70.0%
29-Nov	6,320	5,660	1,840	2,658		14,900	14,400	2,820	1,980		63	191.179	70.6%
30-Nov	5,630	5,170	1,780	2,580		13,200	12,900	2,510	1,890		64	192.441	71.1%
November Avg	6,561	6,445	1,923	3,025		15,070	14,992	3,990	2,611				
Normal		4,361	1,319	2,247			9,484	1,993	1,538		80		
% of Normal		147.8%	145.8%	134.6%			158.1%	200.2%	169.8%				

NYC 24-hr Reservoir Observations: November 30, 8 am						DIRECTED RELEASES (CFS)		Summary of NYC Storage Observations for November 30		
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh	0	NYC Daily Storage (BG)=	192.441	71.1%
Neversink	0.00	25.942	74.2%	0	0	Beltzville	0	NYC Daily Storage Median (BG)=	166.093	61.3%
Pepacton	0.00	101.664	72.5%	0	0	b F.E. Walter	0	BG Above NYC Daily Storage Median =	26.348	15.86%
Cannonsville	0.07	64.835	67.7%	0	0	Merrill Cr	0	BG Above Drought Watch =	82.441	
Rondout	0.00	45.872	92.5%	404	0	NYC Res.- Excess Bank	0	BG Above Drought Warning =	98.441	
						c Lake Wallenpaupack	0	BG Above Drought =	122.441	
								BG Above One Year Ago =	126.035	

DAILY USABLE STORAGE 11/30/02		
	VOL. (BG)	d %CAP
Blue Marsh	4.75	99.8
Beltzville	13.20	101.5
F.E. Walter	1.43	23.0

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.

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; MG= Million Gallons; CFS=Cubic Feet per Second

ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE

NOTES:

1. Lehigh River at Lehigh: daily mean data is unavailable for Nov. 5-7, 2002.

2. As of 11/8/02, in coordination with the DRBC, the U.S. Army Corps of Engineers began lowering water levels in F.E. Walter Reservoir to their normal elevation of 1,300 ft (normal storage of .58 bg).