

Delaware River Flow and Storage Data - December 2003 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @				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	Phila (CFS)	Potts (CFS)	Max Temp	^a Salt Front River Mile	BG	%CAP
										Degrees C Vincent Dam			
1-Dec	16,600	16,000	4,130	6,600		36,700	36,100	6,460	4,540		59	274.711	101.4%
2-Dec	14,000	13,700	3,810	6,330		32,700	32,000	5,850	4,360		56	274.548	101.4%
3-Dec	12,300	12,000	3,480	5,550		28,900	28,200	5,290	3,810		56	274.367	101.3%
4-Dec	11,000	10,800	2,960	4,730		25,300	24,700	4,660	3,240		58	274.002	101.2%
5-Dec	10,100	9,930	2,320	3,850		22,400	22,000	4,230	2,860		60	273.847	101.1%
6-Dec	9,200	9,470	1,980	3,480		20,600	20,400	4,130	2,700		63	273.557	101.0%
7-Dec	9,160	8,990	1,860	3,230		19,100	19,000	3,800	2,490		65	273.319	100.9%
8-Dec	8,330	7,930	1,720	3,050		18,100	17,900	3,480	2,290		67	273.124	100.8%
9-Dec	7,030	7,110	1,510	2,780		16,800	16,600	3,230	2,150		68	272.869	100.8%
10-Dec	6,660	6,780	1,470	2,720		15,200	15,300	3,290	2,310		69	272.649	100.7%
11-Dec	8,020	15,200	6,300	10,100		21,900	39,500	18,400	9,810		70	272.689	100.7%
12-Dec	46,200	43,600	6,080	13,200		61,500	65,800	19,000	15,200		70	276.659	102.1%
13-Dec	30,900	29,400	7,780	12,300		76,300	71,900	12,300	8,880		70	276.621	102.1%
14-Dec	22,200	21,500	8,110	12,000		55,500	54,900	10,200	7,540		69	275.811	101.8%
15-Dec	18,700	18,300	6,100	10,500		51,800	49,100	13,500	7,600		68	275.461	101.7%
16-Dec	16,300	15,800	3,460	5,720		39,900	38,100	9,200	6,120		67	274.990	101.5%
17-Dec	13,900	14,100	3,120	6,090		32,700	36,200	12,600	7,140		65	274.457	101.3%
18-Dec	16,400	16,400	3,140	6,340		40,000	39,000	13,100	6,790		58	275.236	101.6%
19-Dec	15,800	15,000	2,820	5,300		35,800	35,400	8,580	5,680		56	275.113	101.6%
20-Dec	13,100	12,900	2,440	4,460		31,900	31,000	7,060	4,690		55	274.624	101.4%
21-Dec	12,100	11,800	2,310	4,040		27,500	27,000	6,080	4,110		<54	274.102	101.2%
22-Dec	10,900	10,400	2,080	3,760		24,800	24,400	5,450	3,720		<54	273.688	101.1%
23-Dec	10,100	9,790	1,790	3,310		22,500	21,900	5,110	3,490		<54	273.470	101.0%
24-Dec	9,690	14,000	3,500	6,530		21,500	29,000	8,370	4,360		<54	273.906	101.1%
25-Dec	40,200	38,600	4,100	9,940		46,500	51,100	10,100	6,830		<54	279.616	103.2%
26-Dec	33,400	31,900	3,310	6,960		69,300	65,500	8,210	5,770		<54	279.235	103.1%
27-Dec	25,000	24,000	2,970	5,630		53,300	51,200	6,860	4,880		<54	279.010	103.0%
28-Dec	19,600	19,100	2,750	4,900		42,400	40,800	5,960	4,260		<54	276.920	102.2%
29-Dec	16,300	15,900	3,470	4,700		35,300	34,300	5,420	3,800		<54	276.114	101.9%
30-Dec	14,200	14,000	5,070	8,140		31,300	31,700	4,890	3,370		<54	275.236	101.6%
31-Dec	13,400	13,200	2,590	4,930		31,000	29,800	4,530	3,180		<54	274.820	101.5%
December Avg	16,477	16,374	3,501	6,167		35,113	35,477	7,721	5,096				
Normal		4,917	1,351	2,757			11,310	3,090	2,133		74		
% of Normal		333.0%	259.1%	223.7%			313.7%	249.9%	238.9%				

NYC 24-hr Reservoir Observations: December 31, 8 am						DIRECTED RELEASES (CFS)		Summary of NYC Storage Observations for December 31			
	Precip (IN .)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh	0	NYC Daily Storage (BG)=	274.820	101.5%	
Neversink	0.06	34.853	99.7%	384	0	Beltzville	0	NYC Daily Storage Median (BG)=	188.828	69.7%	
Pepacton	0.07	141.412	100.9%	0	0	^b F.E. Walter	0	BG Above NYC Daily Storage Median =	85.992	45.54%	
Cannonsville	0.06	98.555	103.0%	0	0	Merrill Cr	0	BG Above Drought Watch =	148.926		
Rondout	0.03	47.022	94.8%	825	0	NYC Res.- Excess Bank	0	BG Above Drought Warning =	164.926		
						^c Lake Wallenpaupack	0	BG Above Drought =	188.926		
								BG Above One Year Ago =	51.185		

DAILY USABLE STORAGE 12/31/03		
	VOL. (BG)	^d %CAP
Blue Marsh	4.90	102.9
Beltzville	13.23	101.8

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. The salt front river mile location will be updated as chloride data is received.

2. During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Data values reported on this report may be significantly higher or lower than actual streamflow. Data will be adjusted as revised values are made available by the USGS.