

Delaware River Flow and Storage Data - January 2004 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-Jan	12,300	12,100	2,430	3,860		26,100	25,700	4,190	2,950		<54	274.144	101.2%
2-Jan	11,200	11,100	2,320	3,630		23,800	23,500	3,980	2,770		<54	273.736	101.1%
3-Jan	10,100	10,200	2,280	3,400		21,900	21,600	3,770	2,580		<54	273.430	101.0%
4-Jan	11,000	11,400	2,480	3,610		20,300	20,300	3,630	2,570		<54	273.684	101.1%
5-Jan	15,500	18,100	3,790	5,140		22,700	25,000	5,040	3,850		<54	274.263	101.3%
6-Jan	19,900	19,000	4,570	6,710		33,800	35,500	6,880	4,270		55	274.434	101.3%
7-Jan	16,100	15,300	3,410	5,250		35,000	33,800	5,370	3,720		56	274.192	101.2%
8-Jan	12,400	12,700	2,800	4,450		29,000	27,900	4,550	3,210		57	273.780	101.1%
9-Jan	12,300	11,900	2,140	3,480		24,200	23,700	4,170	3,020		57	273.084	100.8%
10-Jan	10,800	9,980	1,680	2,900		20,900	19,900	3,670	2,580		58	272.263	100.5%
11-Jan	8,650	8,170	1,650	2,890		16,300	15,800	3,160	2,550		60	271.418	100.2%
12-Jan	8,270	8,470	1,660	2,910		14,600	14,600	3,480	2,510		60	270.910	100.0%
13-Jan	8,680	8,690	1,590	2,800		15,700	16,000	3,350	2,360		61	270.537	99.9%
14-Jan	8,550	8,260	1,490	2,590		16,500	16,400	3,080	2,150		61	269.881	99.6%
15-Jan	6,210	6,380	1,410	2,490		15,000	15,200	2,830	2,000		62	269.200	99.4%
16-Jan	5,660	6,090	1,240	2,140		14,400	13,900	2,380	1,830		63	268.101	99.0%
17-Jan	6,180	6,480	1,190	2,100		21,400	30,500	2,540	1,950		63	267.043	98.6%
18-Jan	7,090	7,210	1,180	2,230		17,500	18,500	2,970	2,050		65	266.362	98.3%
19-Jan	8,020	7,540	1,130	2,080		14,200	14,000	3,110	1,910		66	265.893	98.2%
20-Jan	7,000	6,710	1,110	1,990		12,900	12,600	2,650	1,760		66	265.558	98.1%
21-Jan	5,450	5,540	1,190	2,030		13,700	12,700	2,310	1,640		67	265.192	97.9%
22-Jan	4,960	5,050	1,040	2,050		12,400	11,700	2,250	1,620		68	264.930	97.8%
23-Jan	4,580	4,740	951	1,720		12,800	11,700	2,040	1,540		69	264.545	97.7%
24-Jan	4,880	4,780	888	1,660		13,800	20,800	1,930	1,520		69	264.084	97.5%
25-Jan	4,680	4,470	809	1,600		45,000	46,400	1,820	1,500		69	263.649	97.3%
26-Jan	4,780	4,750	864	1,640		53,900	54,400	1,940	1,480		69	263.209	97.2%
27-Jan	4,760	4,580	871	1,570		51,800	53,100	1,860	1,590		70	262.081	96.8%
28-Jan	4,370	4,350	891	1,580		49,900	51,900	1,980	1,450		70	262.472	96.9%
29-Jan	5,060	4,870	851	1,560		50,000	51,200	1,840	1,460		71	262.056	96.8%
30-Jan	5,420	5,070	815	1,530		49,800	50,600	1,790	1,370		71	261.743	96.6%
31-Jan	5,960	5,140	694	1,460		48,200	48,600	1,570	1,490		71	261.050	96.4%
January Avg	8,413	8,359	1,659	2,744		26,371	27,016	3,101	2,234				
Normal		4,973	1,098	2,591			12,865	2,794	2,002		68		
% of Normal		168.1%	151.0%	105.9%			210.0%	111.0%	111.6%				

NYC 24-hr Reservoir Observations: January 31, 8 am						DIRECTED RELEASES (CFS)		Summary of NYC Storage Observations for January 31			
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh	0	NYC Daily Storage (BG)=	261.050	96.4%	
Neversink	0.00	35.036	100.3%	0	0	Beltzville	0	NYC Daily Storage Median (BG)=	213.469	78.8%	
Pepacton	0.00	131.007	93.4%	491	0	^b F.E. Walter	0	BG Above NYC Daily Storage Median =	47.581	22.29%	
Cannonsville	0.00	95.007	99.3%	293	0	Merrill Cr	0	BG Above Drought Watch =	118.732		
Rondout	0.00	46.004	92.7%	836	0	NYC Res.- Excess Bank	0	BG Above Drought Warning =	134.732		
						^c Lake Wallenpaupack	0	BG Above Drought =	158.732		
								BG Above One Year Ago =	19.085		

DAILY USABLE STORAGE 1/31/04		
	VOL. (BG)	^d %CAP
Blue Marsh	4.83	101.5
Beltzville	13.16	101.2

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:**
- The salt front river mile location will be updated as chloride data is received.
 - Normal flow values represent 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).
 - 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.
 - The flow at the Trenton gage has been ice-affected since January 24. An ice jam of 6 miles extends from Scudder Falls Bridge to south of Mercer County Waterfront Park. As of January 31, there was approximately 4-5 feet of backwater at the gage.