

**Delaware River Flow and Storage Data - December 2008 Summary**

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C Vincent Dam	<sup>a</sup> 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	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-Dec	3,490	4,000	851	2,090		9,810	9,760	2,750	1,100		74	224.309	82.8%
2-Dec	6,270	6,630	913	2,380		11,800	11,500	2,880	1,700		73	225.314	83.2%
3-Dec	6,580	6,600	1,210	2,390		13,000	13,000	2,510	1,420		73	225.760	83.4%
4-Dec	6,100	5,820	1,160	2,420		13,800	13,400	1,990	1,160		73	225.868	83.4%
5-Dec	4,970	5,370	1,070	2,290		12,600	12,300	1,700	1,080		73	226.278	83.5%
6-Dec	5,440	4,940	871	1,970		11,600	11,300	1,600	923		72	226.554	83.6%
7-Dec	4,130	4,080	861	1,840		11,000	10,700	1,450	829		72	226.577	83.7%
8-Dec	3,760	3,870	819	1,670		9,470	9,370	1,320	750		72	226.577	83.7%
9-Dec	4,130	4,130	709	1,520		8,550	8,450	1,210	681		72	226.509	83.6%
10-Dec	4,220	4,680	1,020	2,030		8,610	8,770	1,250	771		72	226.661	83.7%
11-Dec	10,000	11,700	2,130	4,200		12,000	14,100	3,080	2,440		72	229.619	84.8%
12-Dec	33,400	40,200	6,820	18,800		56,600	62,600	34,000	13,700		72	236.520	87.3%
13-Dec	41,500	37,800	4,920	11,400		90,100	85,200	18,000	9,240		72	244.727	90.4%
14-Dec	22,200	21,000	5,700	10,300		60,100	57,500	9,610	6,320		71	248.768	91.9%
15-Dec	16,000	15,700	5,530	9,040		42,000	40,600	7,210	4,920		70	251.224	92.8%
16-Dec	14,100	14,500	5,380	8,560		34,300	33,900	5,760	3,600		69	253.694	93.7%
17-Dec	14,400	14,000	4,190	7,000		32,200	32,000	6,820	3,360		68	256.005	94.5%
18-Dec	12,200	12,200	3,320	6,160		30,700	29,800	7,250	3,040		67	257.907	95.2%
19-Dec	11,500	11,400	2,250	5,000		26,200	26,400	6,550	3,640		62	259.071	95.7%
20-Dec	10,800	11,000	1,730	4,200		26,000	25,100	6,920	4,020		59	259.537	95.8%
21-Dec	11,100	10,900	1,890	3,830		22,100	22,200	6,230	3,140		58	259.625	95.9%
22-Dec	10,500	10,300	1,800	3,600		21,500	20,900	5,210	2,760		57	259.481	95.8%
23-Dec	10,600	10,100	1,710	3,370		19,500	18,700	4,030	2,490		59	258.749	95.5%
24-Dec	9,380	9,660	1,800	4,160		18,400	18,900	3,980	3,510		62	258.131	95.3%
25-Dec	13,800	15,800	3,380	9,380		33,300	33,100	14,400	8,410		63	259.601	95.9%
26-Dec	18,400	17,300	3,000	7,510		37,700	37,600	12,300	7,950		64	261.647	96.6%
27-Dec	13,900	13,700	3,910	7,690		34,100	33,700	9,490	6,440		65	262.471	96.9%
28-Dec	13,000	13,300	3,970	7,410		30,300	30,200	7,760	5,120		65	264.717	97.7%
29-Dec	17,700	17,800	4,180	7,860		30,700	31,400	6,610	4,490		65	268.115	99.0%
30-Dec	16,200	16,100	3,910	7,350		34,900	34,400	5,570	3,950		65	270.176	99.8%
31-Dec	13,900	13,900	3,480	6,640		31,300	31,000	4,940	3,430		62	271.006	100.1%
December Avg	12,376	12,532	2,725	5,615		26,911	26,705	6,593	3,754				
Normal		<b>4,917</b>	<b>1,351</b>	<b>2,757</b>			<b>11,310</b>	<b>3,090</b>	<b>2,133</b>		<b>74</b>		
% of Normal		254.9%	201.7%	203.7%			236.1%	213.4%	176.0%				

NYC 24-hr Reservoir Observations: December 31, 8 am						Directed Releases (cfs): December 31		Summary of NYC Storage Observations: December 31						
	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	Blue Marsh	Beltville	F.E. Walter	Merrill Cr	NYC Res.-Excess Bank	Lake Wallenpaupack	NYC Daily Storage (BG)=	271.006	100.1%
Neversink	0.03	34.868	99.8%	230	0	0	0	0	0	0	0	NYC Daily Storage Median (BG)=	188.828	69.7%
Pepacton	0.02	141.116	100.7%	298	0	0	0	0	0	0	0	BG Above NYC Daily Storage Median =	82.178	43.52%
Cannonsville	0.01	95.022	99.3%	0	0	0	0	0	0	0	0	BG Above Drought Watch =	145.112	
Rondout	0.00	46.260	93.2%	711	0	0	0	0	0	0	0	BG Above Drought Warning =	161.112	
												BG Above Drought =	185.642	
												BG Above One Year Ago =	21.521	

  

Lower Basin Daily Usable Storage: December 31		
	VOL. (BG)	<sup>d</sup> %CAP
Blue Marsh	4.76	100.0
Beltville	13.02	100.2

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.

<sup>a</sup> Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).

<sup>b</sup> 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.

<sup>c</sup> Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.

<sup>d</sup> 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

**NOTES:**

- The salt front river mile location will be updated as chloride data is received.
- Normal flow values represent the median of monthly means for 1971-2000, except for the Lehigh River at Lehigh. For Lehigh, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station).
- Reporting of the minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2009.