

**Delaware River Flow and Storage Data - January 2011 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)			BG	%CAP
1-Jan	3,100	3,270	819	1,600		6,910	7,190	1,090	1,150		71	239,327	88.4%
2-Jan	3,190	3,240	833	1,620		7,000	6,980	1,160	1,160		71	238,761	88.2%
3-Jan	3,450	3,480	868	1,640		7,190	7,120	1,370	1,140		72	238,606	88.1%
4-Jan	4,220	3,890	990	1,760		7,100	7,140	1,200	1,080		72	238,277	88.0%
5-Jan	3,760	3,650	928	1,780		7,530	7,560	1,090	1,010		72	237,815	87.8%
6-Jan	3,850	3,380	758	1,440		7,290	7,310	1,010	989		72	237,223	87.6%
7-Jan	3,650	3,250	728	1,410		6,400	6,600	968	975		72	237,106	87.5%
8-Jan	3,620	3,090	710	1,230		6,220	6,280	978	969		72	237,010	87.5%
9-Jan	2,700	2,410	626	1,230		6,170	6,070	907	920		72	236,872	87.5%
10-Jan	3,340	3,040	630	1,130		5,270	5,470	852	915		72	236,593	87.4%
11-Jan	3,870	3,610	630	1,170		3,940	4,540	782	906		72	236,337	87.3%
12-Jan	3,250	3,280	630	1,260		4,520	5,610	881	915		73	236,202	87.2%
13-Jan	3,800	3,380	600	1,190		6,810	6,680	892	897		73	235,998	87.1%
14-Jan	3,600	3,140	600	1,070		5,690	5,850	754	834		73	235,578	87.0%
15-Jan	3,360	2,890	580	1,120		4,870	5,110	784	809		73	235,039	86.8%
16-Jan	2,350	2,300	580	1,110		5,360	4,930	863	811		73	234,541	86.6%
17-Jan	3,020	2,670	570	1,010		5,480	4,850	786	779		73	234,077	86.4%
18-Jan	3,270	3,110	530	1,080		4,110	4,470	1,210	842		74	233,563	86.2%
19-Jan	3,690	3,440	600	1,470		4,990	5,290	1,680	1,040		74	233,473	86.2%
20-Jan	4,060	4,040	620	1,520		6,670	7,060	2,130	1,140		75	233,235	86.1%
21-Jan	4,040	4,050	610	1,350		7,390	7,500	1,860	1,070		75	233,030	86.0%
22-Jan	4,520	4,290	590	1,100		7,190	6,970	1,360	918		75	232,631	85.9%
23-Jan	3,920	3,800	570	1,010		5,740	6,090	972	881		75	232,037	85.7%
24-Jan	4,220	4,290	520	956			6,010	922	849		76	231,474	85.5%
25-Jan	4,150	3,940	500	866			5,430	929	796		76	230,925	85.3%
26-Jan	4,040	3,970	460	1,160			6,550	1,050	790		76	230,408	85.1%
27-Jan	4,110	4,180	629	1,090			6,250	859	1,830		76	229,864	84.9%
28-Jan	4,420	4,470	555	1,050			6,300	1,230	1,080		76	229,357	84.7%
29-Jan	4,770	4,460	533	998			6,200	1,090	802		76	228,797	84.5%
30-Jan	4,150	4,100	526	980			6,100	987	766		76	228,268	84.3%
31-Jan	3,710	3,710	470	898		8,610	5,900	940	716		77	227,674	84.1%
<b>Obs. January Avg.</b>	<b>3,716</b>	<b>3,543</b>	<b>638</b>	<b>1,235</b>		<b>6,185</b>	<b>6,175</b>	<b>1,083</b>	<b>961</b>				
<b>Normal</b>		<b>4,973</b>	<b>1,098</b>	<b>2,591</b>			<b>12,865</b>	<b>2,794</b>	<b>2,002</b>		<b>68</b>		
<b>% of Normal</b>		<b>71.2%</b>	<b>58.1%</b>	<b>47.7%</b>			<b>48.0%</b>	<b>38.8%</b>	<b>48.0%</b>				

**TODAY'S RESERVOIR OBSERVATIONS: January 31, 2011**

New York City 24-hr, as of 8 am						NYC Daily Storage (BG)=		84.1%	Lower Delaware Basin		
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)		227.674		78.8%	Vol. (BG)	%Capacity	
Neversink	0.13	29.231	83.7%	0	0	NYC Daily Storage Median (BG)=	213.469	6.65%	Blue Marsh	4.78	100.4
Pepacton	0.17	118.867	84.8%	450	0	BG Abv Daily Storage Median =	14.205		Beltzville	12.98	99.8
Cannonsville	0.16	79.576	83.1%	298	0	BG Abv Drought Watch =	85.356				
Rondout	0.14	47.342	95.4%	843	0	BG Abv Drought Warning =	101.356				
						BG Abv Drought =	125.356				
						BG Below One Year Ago =	29.139				

**TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)**

Blue Marsh	0	Beltzville	0	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:**

- <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.

- 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.
- 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 Lehighton. For Lehighton, 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 Glendon and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2011.
- For the Delaware River @ Trenton the 8:00 a.m. data from 01/24 - 01/30 is currently unavailable.

**DURING COLD WEATHER, ICE EFFECTS ON STREAMFLOW AT SOME STREAM-GAGING STATIONS ARE LIKELY. REPORTED DATA VALUES MAY BE SIGNIFICANTLY HIGHER OR LOWER THAN ACTUAL STREAMFLOWS.**