

Delaware River Flow and Storage Data - February 2011 Summary

DAY	Delaware @		Lehigh River @			Delaware @		Schuylkill River @			Max Temp Degrees C Vincent Dam	a Salt Front River Mile	New York City Delaware River Basin Storage	
	Montague (CFS)		Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Glendon MIN DO (MG/L)	Trenton (CFS)		Philadelphia (CFS)	Pottstown (CFS)	BG			%CAP	
	8:00 AM	MEAN				8:00 AM	MEAN							
1-Feb	5,180	4,590	460	1,010		6,260	5,700	870	738		77	227.144	83.9%	
2-Feb	4,710	4,360				6,220	6,350	1,550			77	226.801	83.7%	
3-Feb	4,570	4,470	583	1,400		7,390	7,310	3,430	1,520		77	226.294	83.6%	
4-Feb	4,920	4,660	573	1,200		7,530	7,570	2,550	1,380		77	225.620	83.3%	
5-Feb	5,330	5,110	566	1,200		6,440	6,820	2,140	1,260		77	224.933	83.1%	
6-Feb	4,470	4,680	597	1,380		7,240	7,560	2,790	1,480		78	224.608	82.9%	
7-Feb	5,570	5,830	570	1,390		8,290	8,010	3,220	1,530		78	224.373	82.8%	
8-Feb	6,580	6,020	705	1,600		7,480	7,930	3,750	1,720		78	224.055	82.7%	
9-Feb	5,900	5,530	659	1,500		8,770	8,620	3,550	1,560		78	223.575	82.5%	
10-Feb	6,730	6,160	537	1,430		7,290	7,530	2,620	1,460		78	222.840	82.3%	
11-Feb	6,580	6,270	476	1,100		6,760	6,790	2,050	1,280		78	222.024	82.0%	
12-Feb	6,490	6,440	526	1,170		5,740	5,910	1,740	1,170		78	221.152	81.7%	
13-Feb	5,710	6,100	518	1,150		5,570	5,730	1,660	1,140		78	220.552	81.4%	
14-Feb	6,040	5,970	522	1,210		5,360	5,560	1,670	1,200		78	219.956	81.2%	
15-Feb	6,440	6,230	529	1,400		6,670	6,760	3,620	1,630		78	219.464	81.0%	
16-Feb	6,240	6,150	533	1,360		6,810	6,990	3,140	1,790		78	218.879	80.8%	
17-Feb	6,840	6,190	538	1,440		7,000	7,400	3,210	1,870		78	218.354	80.6%	
18-Feb	7,020	6,260	737	2,190		9,920	11,000	5,290	2,700		78	217.991	80.5%	
19-Feb	8,260	8,010	1,300	4,690		15,300	16,000	7,980	4,370		78	218.719	80.8%	
20-Feb	9,350	11,100	1,390	3,840		15,400	15,100	6,020	3,990		78	219.594	81.1%	
21-Feb	11,000	11,900	1,380	3,470		14,000	14,500	4,590	3,290		78	220.214	81.3%	
22-Feb	10,000	11,000	1,300	3,090		14,400	14,100	4,120	2,900		78	220.630	81.5%	
23-Feb	8,360	10,000	1,180	2,940		12,800	12,600	3,460	2,480		77	220.894	81.6%	
24-Feb	8,100	9,640	973	2,610		11,500	11,300	3,020	2,220		77	220.981	81.6%	
25-Feb	8,940	10,400	1,360	4,620		11,500	16,300	7,180	3,890		77	221.473	81.8%	
26-Feb	12,500	12,900	1,440	4,990		24,300	23,200	9,920	4,830		76	222.717	82.2%	
27-Feb	12,000	10,300	2,700	5,080		20,800	21,300	6,080	4,340		76	223.665	82.6%	
28-Feb	6,840	7,810	2,950	5,690		21,600	22,700	5,980	4,530		75	224.636	82.9%	
February Avg	7,167	7,289	948	2,376		10,298	10,594	3,829	2,306					
Normal		5,706	1,318	3,002			13,840	4,032	2,739		68			
% of Normal		127.7%	71.9%	79.1%			76.5%	95.0%	84.2%					

TODAY'S RESERVOIR OBSERVATIONS February 28, 2011

New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=		Lower Delaware Basin:		
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)				Vol. (BG)	% Capacity	
Neversink	0.32	29.159	83.5%	0	0	224.636	82.9%	Blue Marsh	4.87	102.3
Pepacton	0.29	116.177	82.9%	0	0	220.604	81.5%	Beltzville	13.41	103.2
Cannonsville	0.37	79.300	82.9%	0	0	4.032	1.83%			
Rondout	0.26	45.681	92.1%	820	0	67.484				
						83.484				
						107.484				
						11.347				

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS) February 28, 2011

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:

- 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; 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.
1. 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.
 2. The salt front river mile location will be updated as chloride data is received.
 3. 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).
 4. 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.

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.