

Delaware River Flow and Storage Data - December 2009 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)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-Dec	3,990	4,050	873	1,910		8,090	7,330	2,090	1,210		71	240.016	88.6%
2-Dec	4,180	4,150	891	1,880		8,500	7,740	2,000	1,170		71	239.915	88.6%
3-Dec	5,330	6,760	2,220	8,040		12,800	16,400	10,600	5,140		71	240.547	88.8%
4-Dec	10,300	11,300	2,920	7,900		29,400	29,000	10,300	5,760		71	243.125	89.8%
5-Dec	8,940	8,430	2,390			26,900	26,400	6,980	4,110		71	244.561	90.3%
6-Dec	6,960	6,840	2,210	5,250		22,500	21,700	6,440	3,600		70	245.754	90.7%
7-Dec	6,380	6,410	1,610	4,280		18,600	18,100	5,320	2,990		70	246.704	91.1%
8-Dec	6,610	6,370	1,500			16,300	16,200	4,550	2,670		70	247.456	91.4%
9-Dec	6,730	6,680	1,950			17,600	26,500	19,700	6,030		69	248.342	91.7%
10-Dec	7,480	7,310	2,190	6,690		29,200	27,600	15,100	6,630		69	248.960	91.9%
11-Dec	7,140	6,850	2,060	5,600		22,600	22,100	8,980	5,260		68	249.706	92.2%
12-Dec	6,270	5,900	1,480	4,420		19,200	18,700	6,830	4,070		68	250.254	92.4%
13-Dec	4,870	5,080	1,540	4,400		16,300	17,200	6,900	4,160		67	250.705	92.6%
14-Dec	5,790	6,810	2,140	5,380		21,500	21,600	12,000	5,040		66	252.007	93.0%
15-Dec	8,940	8,800	2,370	5,730		20,400	21,500	7,770	4,360		65	252.987	93.4%
16-Dec	8,980	8,960	2,400	5,270		22,800	22,500	6,600	3,940		62	253.994	93.8%
17-Dec	8,710	8,690	2,280	4,970		21,600	21,500	5,590	3,370		61	254.456	94.0%
18-Dec	7,630	7,240	1,930	4,470		20,300	20,000	4,900	3,030		61	254.752	94.1%
19-Dec	7,510	7,290	1,550	4,110		17,600	17,400	4,560	2,840		63	254.785	94.1%
20-Dec	8,130	7,190	1,510	3,960		16,600	16,400	4,460	2,750		65	254.441	93.9%
21-Dec	7,820	6,930	1,470	3,610		16,300	15,800	4,180	2,480		66	253.897	93.7%
22-Dec	7,320	6,980	1,510	3,340		15,400	14,900	3,680	2,120		67	252.956	93.4%
23-Dec	7,790	7,150	1,360	3,160		14,600	14,200	3,340	2,000		68	251.489	92.9%
24-Dec	7,480	6,780	1,060	2,710		14,200	13,800	3,090	1,850		69	249.934	92.3%
25-Dec	6,610	6,010	1,080	2,570		13,500	13,200	2,890	1,760		70	248.511	91.8%
26-Dec	6,010	5,810	1,360	3,700		14,600	18,500	13,400	4,380		71	247.216	91.3%
27-Dec	9,520	10,600	2,350	6,430		29,200	29,100	19,500	5,280		71	246.603	91.1%
28-Dec	12,800	13,100	3,350	6,640		28,700	29,600	8,970	4,360		72	246.873	91.2%
29-Dec	11,700	11,200	2,940	6,260		29,000	28,600	7,110	4,050		72	246.654	91.1%
30-Dec	8,850	8,980	2,150	5,170		24,800	23,600	5,840	3,430		72	246.193	90.9%
31-Dec	7,660	7,930	1,570	4,160		19,800	19,400	5,230	3,110		72	246.099	90.9%
Obs. December Avg.	7,562	7,503	1,878	4,715		19,642	19,889	7,384	3,644				
Normal		4,917	1,351	2,757			11,310	3,090	2,133		74		
% of Normal		152.6%	139.0%	171.0%			175.9%	239.0%	170.8%				

TODAY'S RESERVOIR OBSERVATIONS: December 31

New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=			Lower Delaware Basin: December 31		
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)						Vol. (BG)	%Capacity
Neversink	0.00	31.113	89.0%	0	0	246.099	90.9%	Blue Marsh	5.31	111.6	
Pepacton	0.00	129.660	92.5%	290	0	188.828	69.7%	Beltzville	13.03	100.2	
Cannonsville	0.00	85.326	89.2%	199	0	57.271	30.33%				
Rondout	0.00	46.063	92.8%	602	0	120.205					
						136.205					
						160.205					
						24.907					

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:

- ^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.
- 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 Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2010.
 - Daily flow values for 12/5,8-9 for the Lehigh River at Bethlehem are currently unavailable.