

Delaware River Flow and Storage Data - December 2010 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)	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-Dec	6,040	9,750	6,080	7,380		10,500	14,000		6,700	3,430		71	230.430	85.1%	
2-Dec	34,100	34,900	6,750	13,700		45,800	46,300		15,900	10,300		71	239.409	88.4%	
3-Dec	23,700	22,300	7,560	11,700		62,600	57,200		10,200	6,570		70	243.768	90.0%	
4-Dec	16,100	15,600	6,050	8,370		41,700	39,800		6,340	4,590		70	246.603	91.1%	
5-Dec	12,100	12,300	5,340	7,200		31,600	30,900		4,700	3,640		70	248.803	91.9%	
6-Dec	10,300	10,200	3,920	6,070		26,000	25,700		3,730	2,850		69	250.604	92.5%	
7-Dec	9,010	9,040	2,240	4,060		22,100	21,100		2,970	2,410		67	252.013	93.0%	
8-Dec	8,260	8,310	2,030	3,710		18,200	18,000		2,390	2,060		66	252.415	93.2%	
9-Dec	7,570	7,270	1,720			16,700	16,500		1,950	1,820		65	252.174	93.1%	
10-Dec	6,730	6,530	1,460			14,900	14,400		1,710	1,630		65	251.280	92.8%	
11-Dec	6,520	6,440	1,200	2,550		12,800	12,700		1,680	1,550		65	250.323	92.4%	
12-Dec	6,490	6,760	1,870	3,320		12,800	13,500		2,680	2,470		66	249.392	92.1%	
13-Dec	9,620	11,000	3,360	5,520		20,400	20,500		8,340	5,200		67	250.043	92.3%	
14-Dec	12,900	12,900	3,490	5,480		22,600	24,300		6,390	4,460		68	250.932	92.7%	
15-Dec	10,900	10,900	3,060	4,860		26,600	24,100		4,650	3,610		68	251.075	92.7%	
16-Dec	10,600	10,200	2,190	4,010		20,900	20,300		3,690	2,940		69	251.021	92.7%	
17-Dec	8,450	8,370	1,910	3,520		18,400	17,700		2,990	2,410		70	250.982	92.7%	
18-Dec	8,130	7,510	1,550	3,140		16,400	16,000		2,440	2,090		70	250.718	92.6%	
19-Dec	7,380	6,900	1,470	2,900		15,100	14,300		2,140	1,920		70	250.194	92.4%	
20-Dec	6,870	6,390	1,400	2,770		13,700	12,900		2,050	1,740		70	249.429	92.1%	
21-Dec	6,730	6,340	1,350	2,660		12,600	12,200		1,830	1,580		70	248.761	91.8%	
22-Dec	5,930	5,880	1,290	2,540		12,000	11,600		1,720	1,490		70	248.045	91.6%	
23-Dec	6,040	5,870	1,240	2,450		11,700	11,300		1,620	1,410		71	247.157	91.3%	
24-Dec	5,600	5,480	1,060	2,230		11,500	11,000		1,500	1,300		71	246.277	90.9%	
25-Dec	4,470	4,930	1,020	2,070		10,400	10,300		1,400	1,240		71	245.259	90.6%	
26-Dec	4,470	4,830	996	2,030		9,530	9,440		1,390	1,210		71	244.350	90.2%	
27-Dec	4,130	4,570	988	1,900		9,750	9,320		1,340	1,160		71	243.610	89.9%	
28-Dec	4,840	4,560	852	1,840		9,530	9,040		1,200	1,090		71	242.975	89.7%	
29-Dec	4,130	4,020	852	1,760		7,930	7,890		1,270	1,070		71	242.220	89.4%	
30-Dec	3,970	3,750	1,050	1,830		7,480	7,630		1,160	1,000		71	241.247	89.1%	
31-Dec	3,760	3,570	838	1,780		7,240	7,600		1,110	979		71	240.257	88.7%	
<b>Obs. December Avg.</b>	<b>8,898</b>	<b>8,947</b>	<b>2,458</b>	<b>4,253</b>		<b>18,628</b>	<b>18,307</b>		<b>3,522</b>	<b>2,620</b>					
<b>Normal</b>		<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>			
<b>% of Normal</b>		<b>182.0%</b>	<b>181.9%</b>	<b>154.3%</b>			<b>161.9%</b>		<b>114.0%</b>	<b>122.8%</b>					

TODAY'S RESERVOIR OBSERVATIONS: December 31

New York City 24-hr, as of 8 am						Lower Delaware Basin			
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage (BG)=			Vol. (BG)	%Capacity
					240.257	88.7%			
					188.828	69.7%	Blue Marsh	4.78	100.4
Neversink	0.00	30.132	86.2%	413	0		Beltzville	12.99	99.9
Pepacton	0.00	125.609	89.6%	450	0	BG Above Daily Storage Median =			
Cannonsville	0.00	84.516	88.3%	298	0	BG Above Drought Watch =			
Rondout	0.00	46.558	93.8%	838	0	BG Above Drought Warning =			
						BG Above Drought =			
						BG Below One Year Ago =			

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): December 31

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 Lehigh. For Lehigh, 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.