

## Delaware River Flow and Storage Data - December 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-Dec	17,300	17,200	4,190	7,590		35,000	36,100	8,080	5,520		<54	255,341	94.3%
2-Dec	13,300	12,900	3,660	6,570		34,300	33,300	5,890	4,400		<54	256,069	94.5%
3-Dec	10,400	10,500	2,310	5,160		28,000	27,300	5,100	3,960		<54	256,582	94.7%
4-Dec	9,210	9,140	2,180	4,580		23,200	22,900	4,540	3,570		<54	256,693	94.8%
5-Dec	8,550	8,740	2,070	4,330		20,900	20,700	4,180	3,300		<54	256,733	94.8%
6-Dec	7,750	8,440	2,200	4,320		19,700	19,700	3,960	3,130		55	256,753	94.8%
7-Dec	9,040	9,720	3,040			20,400	23,100	6,010	4,780		58	257,114	94.9%
8-Dec	28,700	27,900	4,800	12,800		49,500	50,100	29,000	11,600		58	261,262	96.5%
9-Dec	24,900	23,800	4,790	10,700		63,100	60,100	14,600	9,150		57	264,205	97.6%
10-Dec	18,600	18,300	3,650	7,790		47,400	45,600	9,540	6,550		57	265,463	98.0%
11-Dec	16,200	15,900	3,300	6,680		37,300	36,600	7,290	5,370		55	265,869	98.2%
12-Dec	14,100	13,800	2,800	5,940		32,600	31,900	6,100	4,560		<54	265,628	98.1%
13-Dec	12,500	12,400	2,130	4,750		28,800	28,000	5,130	3,790		<54	265,040	97.9%
14-Dec	11,300	11,000	2,010	4,410		25,300	25,000	4,530	3,460		<54	264,281	97.6%
15-Dec	10,100	10,300	1,950	4,190		23,200	22,800	4,200	3,190		<54	263,612	97.3%
16-Dec	9,930	10,200	1,940	4,040		21,300	21,300	3,930	3,000		<54	263,202	97.2%
17-Dec	9,890	9,640	1,830	3,760		20,800	20,600	3,610	2,750		<54	262,574	96.9%
18-Dec	9,380	8,460	1,750	3,570		20,000	19,500	3,410	2,580		<54	261,739	96.6%
19-Dec	7,940	7,950	1,680	3,390		18,500	17,800	3,240	2,430		<54	260,831	96.3%
20-Dec	7,350	7,290	1,610	3,290		16,700	16,600	6,040	2,340		54	260,215	96.1%
21-Dec	7,450	7,210	1,450	3,160		16,400	16,100	3,140	2,350		57	259,630	95.9%
22-Dec	8,160	8,680	1,770	3,560		16,200	16,300	3,440	2,520		58	259,861	95.9%
23-Dec	9,380	10,400	1,940	4,230		22,000	21,700	10,400	3,810		59	260,280	96.1%
24-Dec	12,000	11,700	1,780	3,720		21,900	22,200	5,680	2,900		60	261,078	96.4%
25-Dec	10,100	9,680	1,710	3,440		21,900	21,500	3,990	2,460		60	261,329	96.5%
26-Dec	9,210	8,970	1,680	3,380		19,200	18,800	3,530	2,340		58	261,379	96.5%
27-Dec	8,360	8,840	1,700	3,760		17,800	17,900	3,940	2,800		59	261,339	96.5%
28-Dec	11,500	13,500	2,340	6,040		26,700	27,400	10,900	5,180		57	262,471	96.9%
29-Dec	14,700	14,200	2,420	5,460		28,800	29,600	6,930	4,750		55	262,933	97.1%
30-Dec	11,900	12,000	2,220	4,970		28,200	27,500	5,240	3,620		<54	262,967	97.1%
31-Dec	10,500	10,300	1,810	4,150		24,200	23,900	4,530	3,280		<54	262,846	97.0%
<b>Obs. December Avg.</b>	<b>11,926</b>	<b>11,905</b>	<b>2,410</b>	<b>5,124</b>		<b>26,752</b>	<b>26,513</b>	<b>6,455</b>	<b>4,046</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>242.1%</b>	<b>178.4%</b>	<b>185.9%</b>			<b>234.4%</b>	<b>208.9%</b>	<b>189.7%</b>				

### TODAY'S RESERVOIR OBSERVATIONS:

New York City 24-hr, as of 8 am:

	Precip	Usable	Storage	Draft	Directed Rel	NYC Daily Storage (BG)=	97.0%	Lower Delaware Basin:		
	(IN.)	(BG)	(%)	(MG)	(MG)				NYC Daily Storage Median (BG)=	69.7%
Neversink	0.00	35.085	100.4%	0	0	<b>262.846</b>	39.20%	Blue Marsh	4.43	103.4
Pepacton	0.00	139.326	99.4%	301	0	<b>188.828</b>		Beltzville	14.00	100.7
Cannonsville	0.00	88.435	92.4%	304	0	BG Above Daily Storage Median =				
Rondout	0.00	47.369	95.5%	816	0	BG Above Drought Watch =				
						BG Above Drought Warning =				
						BG Above Drought =				
						BG Above One Year Ago =				

### 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 2012.