

## Delaware River Flow and Storage Data - OCTOBER 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)	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-Oct	30,100	28,700	7,680	11,100		77,400	72,400	6,710	4,740			<54	270.874	100.0%	
2-Oct	22,900	23,000	7,700	11,300		56,900	55,500	6,500	4,800			<54	271.523	100.3%	
3-Oct	22,600	21,500	5,950	9,890		50,400	49,000	6,510	4,750			<54	271.985	100.4%	
4-Oct	18,600	18,600	3,840	7,370		44,200	42,300	5,450	4,200			<54	271.707	100.3%	
5-Oct	18,500	18,200	3,380	6,550		37,100	36,800	4,720	3,760			<54	271.043	100.1%	
6-Oct	16,400	16,100	2,750	5,460		34,600	33,900	4,160	3,310			<54	270.111	99.7%	
7-Oct	13,600	13,500	2,270	4,810		30,500	29,900	3,670	2,960			<54	268.984	99.3%	
8-Oct	11,600	11,300	2,140	4,360		26,400	26,200	3,360	2,640			<54	267.886	98.9%	
9-Oct	9,350	9,610	2,040	4,140		23,500	23,100	3,100	2,470			<54	266.617	98.4%	
10-Oct	8,710	8,760	1,910	3,940		20,400	20,600	2,860	2,320			<54	265.294	98.0%	
11-Oct	7,230	7,410	1,630	3,570		19,200	19,000	2,680	2,230			57	263.849	97.4%	
12-Oct	6,790	6,990	1,480	3,380		17,000	17,000	2,720	2,370			59	262.572	96.9%	
13-Oct	6,640	7,040	1,540	3,540		16,300	16,500	3,030	2,390			61	261.425	96.5%	
14-Oct	7,660	8,570	2,420	4,650		16,700	17,500	3,730	3,460			62	260.387	96.1%	
15-Oct	12,800	13,600	3,120	6,350		23,100	24,000	6,620	4,760			63	260.807	96.3%	
16-Oct	11,500	11,500	3,710	5,950		26,700	27,100	4,860	3,690			63	260.467	96.2%	
17-Oct	9,110	9,460	4,690	6,600		24,700	24,500	3,960	3,210			62	259.932	96.0%	
18-Oct	9,480	9,120	4,120	6,520		22,600	22,600	3,550	2,990			62	259.584	95.8%	
19-Oct	7,420	7,500	3,940	6,260		21,600	21,700	3,690	3,280			61	259.379	95.8%	
20-Oct	6,520	7,280	3,730	6,570		24,200	23,700	6,710	4,070			60	259.407	95.8%	
21-Oct	9,790	9,320	2,840	5,440		23,000	22,600	5,080	3,390			57	259.747	95.9%	
22-Oct	7,540	7,520	2,260	4,540		22,200	21,500	3,820	2,800			56	259.712	95.9%	
23-Oct	6,610	6,600	2,140	4,180		18,800	18,500	3,400	2,620			57	259.497	95.8%	
24-Oct	6,040	6,290	1,880	3,960		17,000	16,900	3,210	2,520			58	259.263	95.7%	
25-Oct	5,660	5,700	1,470	3,340		16,100	15,900	3,070	2,470			58	258.890	95.6%	
26-Oct	5,330	5,290	1,420	3,170		14,900	14,700	2,940	2,330			58	258.479	95.4%	
27-Oct	5,020	5,190	1,460	3,190		13,800	13,700	2,870	2,380			57	258.142	95.3%	
28-Oct	5,930	6,440	1,580	3,500		14,400	14,600	3,330	2,860			59	258.085	95.3%	
29-Oct	7,260	6,960		3,450		15,200	15,900	3,740	2,650			61	257.719	95.2%	
30-Oct	7,020	7,390	1,590	3,850		18,700	18,600	6,050	3,700			62	257.675	95.1%	
31-Oct	7,260	7,610	1,630	4,000		20,100	20,000	6,770	3,740			62	257.657	95.1%	
Obs. October Avg.	<b>10,676</b>	<b>10,711</b>	<b>2,944</b>	<b>5,320</b>		<b>26,055</b>	<b>25,684</b>	<b>4,286</b>	<b>3,221</b>						
Normal		<b>2,391</b>	<b>697</b>	<b>1,486</b>			<b>5,320</b>	<b>1,244</b>	<b>940</b>			<b>81</b>			
% of Normal		<b>448.0%</b>	<b>422.3%</b>	<b>358.0%</b>			<b>482.8%</b>	<b>344.5%</b>	<b>342.7%</b>						

### TODAY'S RESERVOIR OBSERVATIONS: October 31, 2011

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.05	34.621	99.1%	0	0
Pepacton	0.01	137.64	98.2%	0	0
Cannonsville	0.00	85.40	89.2%	478	0
Rondout	0.00	47.37	95.5%	845	0

NYC Daily Storage (BG)=	<b>257.657</b>	95.1%
NYC Daily Storage Median (BG)=	<b>150.542</b>	55.6%
BG Above Daily Storage Median =	107.115	71.15%
BG Above Drought Watch =	147.657	
BG Above Drought Warning =	163.657	
BG Above Drought =	187.657	
BG Above One Year Ago =	43.167	

Lower Delaware Basin: October 31, 2011

	Vol. (BG)	%Capacity
Blue Marsh	4.36	77.8
Beltzville	13.97	100.5

NOTE: Storage in Blue Marsh Reservoir is gradually being lowered to a winter storage level of 4.28 bg.

### TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): October 31, 2011

Blue Marsh 0 Beltzville 0 F.E. Walter 0 Merrill Cr. 0 Lake Wallenpaupack 0

### 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.

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 2012.

5. Flow data for Lehighton on 10/29/11 is currently not available.