

**Delaware River Flow and Storage Data - July 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-Jul	8,040	7,790	1,080	2,870	8.6	16,200	16,200	2,810	1,830	24.2	60	269,593	99.5%	
2-Jul	7,880	7,880	1,580	3,640	8.5	16,600	18,200	3,700	2,750	23.6	61	268,791	99.2%	
3-Jul	7,820	8,090	1,310	3,090	8.7		17,100	3,670	2,140	24.1	62	267,961	98.9%	
4-Jul	7,820	7,630	1,180	2,680	8.8	15,900	15,800	2,340	1,720	24.2	63	267,377	98.7%	
5-Jul	6,470	6,420	1,080	2,410	8.8	15,000	14,700	1,960	1,570	24.3	64	266,701	98.5%	
6-Jul	5,520	5,570	1,080	2,100	8.7	13,400	12,900	1,730	1,460	24.9	65	265,842	98.2%	
7-Jul	5,020	5,540	1,220	2,300	8.6	11,900	11,500	1,500	1,330	25.1	67	265,369	98.0%	
8-Jul	4,710	4,720	856	1,970	8.6	11,500	11,200	1,340	1,270	24.8	67	265,438	98.0%	
9-Jul	4,660	4,770	728	1,680	8.6	10,600	10,200	1,250	1,220	24.3	68	265,594	98.1%	
10-Jul	4,320	4,270	709	1,910	8.8	9,090	9,230	1,150	1,170	22.5	69	265,475	98.0%	
11-Jul	4,040	3,780	936	1,530	8.5	8,660	8,440	1,070	1,120	23.4	69	265,057	97.9%	
12-Jul	3,850	3,540		4,080		8,930	10,200			23.6	69	265,078	97.9%	
13-Jul	3,340	3,580	879	2,590	7.7	9,920	9,920	4,890	3,210		70	265,218	97.9%	
14-Jul	4,320	4,090	745	1,980	8.6	7,930	7,980	2,770	1,830	23.9	70	264,956	97.8%	
15-Jul	3,990	3,560	695	1,780	8.7	7,980	8,090	1,830	1,500	24.8	69	264,379	97.6%	
16-Jul	3,230	3,000	679	1,670	7.9	7,580	7,750	1,690	1,380	26.2	69	263,880	97.4%	
17-Jul	3,230	3,030	686	1,630	8.2	6,490	6,810	1,600	1,310	25.2	69	263,722	97.4%	
18-Jul	3,850	3,760	687	1,600	7.6	6,530	7,120	1,710	1,290	25.0	69	263,969	97.5%	
19-Jul	3,510	3,520	642	1,440	8.2	6,670	7,280	1,450	1,180	25.0	69	264,350	97.6%	
20-Jul	3,170	3,080	616	1,330	8.4	7,000	7,220	1,230	1,100	26.1	69	264,197	97.5%	
21-Jul	3,250	2,900	606	1,320	8.4	7,140	6,940	1,270	1,060	24.1	69	263,925	97.4%	
22-Jul	3,360	2,860	587	1,290	8.4	6,130	6,500	1,150	1,050	25.0	69	263,574	97.3%	
23-Jul	3,100	2,700	615	1,700	8.5	5,950	6,950	1,270	1,300	24.0	70	263,193	97.2%	
24-Jul	2,900	2,530	615	1,700	8.4	8,550	8,310	1,750	1,520	24.8	70	262,733	97.0%	
25-Jul	3,100	2,800	805	1,430	8.3	6,490	6,880	1,620	1,420	25.6	70	262,291	96.8%	
26-Jul	2,470	2,520	874	1,770	8.2	5,910	6,530	1,410	1,240	26.6	70	261,891	96.7%	
27-Jul	2,340	2,380	640	1,680	8.2	7,580	7,770	2,080	1,690	26.2	70	261,463	96.5%	
28-Jul	2,860	2,660	576	1,360	8.1	6,910	6,750	2,240	1,480	26.1	70	260,933	96.3%	
29-Jul	2,820	2,770	651	1,290	7.8	6,080	6,550	1,900	1,330	25.8	70	260,248	96.1%	
30-Jul	6,960	10,600	856	2,930	7.9	6,910	7,490	1,940	1,450	27.8	70	262,275	96.8%	
31-Jul	17,700	15,700	701	3,060	8.1	13,500	18,200	2,480	1,870	26.5	70	264,818	97.8%	
<b>Obs. July Avg</b>	<b>4,827</b>	<b>4,781</b>	<b>830</b>	<b>2,058</b>	<b>8.4</b>	<b>9,301</b>	<b>9,894</b>	<b>1,960</b>	<b>1,526</b>	<b>24.9</b>				
<b>Normal</b>		<b>2,576</b>	<b>728</b>	<b>1,433</b>		<b>6,154</b>		<b>1,388</b>	<b>1,059</b>		<b>72</b>			
<b>% of Normal</b>		<b>185.6%</b>	<b>114.1%</b>	<b>143.6%</b>		<b>160.8%</b>		<b>141.2%</b>	<b>144.1%</b>					

**TODAY'S RESERVOIR OBSERVATIONS: JULY 31, 2009**

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)	97.8%	Vol. (BG)	d%Capacity	
					<b>264.818</b>				
					NYC Daily Storage Median (BG)	85.8%	<b>232.432</b>		
Neversink	0.00	34.523	98.8%	0	BG Abv Daily Storage Median =	13.93%	32.386		
Pepacton	0.18	134.444	95.9%	0	BG Abv Drought Watch =		100.905	Blue Marsh 6.52 100.3	
Cannonsville	0.31	95.851	100.2%	0	BG Abv Drought Warning =		116.905	Beltzville 13.49 103.8	
Rondout	0.00	49.106	99.0%	714	BG Abv Drought =		140.905		
					BG Abv One Year Ago =		24.334		

**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
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. 8 am data at Trenton, NJ for July 3 is currently unavailable.
  5. Daily flow data is currently unavailable for July 12 for the following stations: Lehigh River @ Lehighton and the Schuylkill River @ Pottstown and Philadelphia.
  6. The July 12 min DO value is currently unavailable for the Lehigh River @ Easton.
  7. The July 13 max temperature is currently unavailable for the Schuylkill River @ Vincent Dam.