

## Delaware River Flow and Storage Data - May 2013 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-May	3,830	3,840	890	1,710		9,330	8,980	2,300	1,770		70	265,866	98.2%		
2-May	3,560	3,730	865	1,560		8,420	8,320	1,970	1,580		70	265,741	98.1%		
3-May	3,290	3,310	924	1,540		7,960	7,830	1,720	1,420		70	265,648	98.1%		
4-May	2,920	2,840	874	1,490		7,760	7,530	1,580	1,360		70	265,537	98.0%		
5-May	2,660	2,750	854	1,440		6,890	6,780	1,530	1,330		70	265,305	98.0%		
6-May	2,520	2,530	819	1,410		6,340	6,270	1,480	1,270		70	265,049	97.9%		
7-May	2,450	2,510	738	1,340		6,250	6,120	1,430	1,280		70	264,758	97.8%		
8-May	2,390	2,500	762	1,370		5,860	6,000	1,920	2,330		70	264,477	97.7%		
9-May	3,690	4,370	1,010	1,600		7,710	7,680	4,310	3,290		70	265,134	97.9%		
10-May	5,070	4,880	1,190	1,680		9,120	9,390	3,820	3,140		70	265,325	98.0%		
11-May	4,130	4,090	1,510	2,070		11,500	11,600	5,950	3,630		70	265,351	98.0%		
12-May	4,490	5,120	1,210	2,000		12,700	12,200	6,770	3,680		70	265,870	98.2%		
13-May	5,870	5,800	1,230	1,680		10,100	10,200	3,950	2,720		69	266,028	98.2%		
14-May	5,230	5,180	1,060	1,680		10,900	10,700	3,210	2,520		69	266,090	98.2%		
15-May	4,640	4,600	972	1,490		9,950	9,720	2,810	2,210		69	266,042	98.2%		
16-May	4,320	4,030	908	1,590		9,220	8,900	2,510	2,010		69	265,954	98.2%		
17-May	3,900	3,620	876	1,520		8,110	8,090	2,270	1,840		69	265,792	98.1%		
18-May	3,420	3,300	1,040	1,470		7,270	7,310	2,020	1,660		70	265,685	98.1%		
19-May	2,820	2,800	838	1,540		6,770	6,890	1,930	1,610		70	265,469	98.0%		
20-May	2,720	2,810	740	1,430		6,750	6,550	1,890	1,570		70	265,292	98.0%		
21-May	2,920	3,110	698	1,350		6,120	6,050	1,840	1,600		70	265,102	97.9%		
22-May	2,760	2,850	676	1,290		6,030	6,050	1,790	1,520		70	264,946	97.8%		
23-May	3,080	2,890	720	1,370		6,080	6,060	1,800	1,420		70	265,330	98.0%		
24-May	4,010	4,210	852	1,630		9,500	9,360	2,570	1,640		70	265,711	98.1%		
25-May	4,820	5,010	1,060	1,750		11,300	11,300	2,160	1,630		70	266,693	98.5%		
26-May	4,890	4,990	904	1,690		11,400	11,400	1,750	1,360		70	268,790	99.2%		
27-May	4,690	4,660	662	1,410		10,100	10,200	1,490	1,270		71	270,613	99.9%		
28-May	4,040	4,140	664	1,200		9,220	9,160	1,450	1,260		71	271,539	100.3%		
29-May	4,490	4,650	863	1,420		8,690	8,660	1,580	1,400		71	272,346	100.6%		
30-May	5,820	5,910	831	1,470		9,500	9,230	1,580	1,330		71	274,462	101.3%		
31-May	6,520	7,740	753	1,360		9,720	9,680	1,380	1,180		71	276,157	102.0%		
Obs. May Avg	3,934	4,025	903	1,534		8,599	8,523	2,412	1,865						
Normal		<b>6,861</b>	<b>1,578</b>	<b>2,760</b>			<b>13,645</b>	<b>2,783</b>	<b>2,073</b>		<b>64</b>				
% of Normal		58.7%	57.2%	55.6%			62.5%	86.7%	90.0%						

### TODAY'S RESERVOIR OBSERVATIONS: May 31, 2013

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	35,021	100.2%	150	0
Pepacton	0.00	141,857	101.3%	272	0
Cannonsville	0.01	99,279	103.7%	0	0
Rondout	0.00	49,228	99.2%	407	0

NYC Daily Storage (BG)	276,157	102.0%
NYC Daily Storage Median (BG)	269,679	99.6%
BG Above Daily Storage Median	6,478	2.40%
BG Above Drought Watch =	86,157	
BG Above Drought Warning =	102,157	
BG Above Drought =	126,157	
BG Above One Year Ago =	6,327	

Lower Delaware Basin:

	Vol. (BG)	%Capacity
Blue Marsh	5.61	100.1
Beltzville	13.95	100.2

### TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): May 31, 2013

Blue Marsh 0 Beltzville 0 F.E. Walter 0 Merrill Cr. 0 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> Lower Basin reservoir percentages are a percent of allocated storage, not total storage. More than 19.3 billion gallons of flood control is available in Beltzville and Blue Marsh reservoirs.

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 2013.

5. DRBC does not track the salt front below river mile 54.