

Delaware River Flow and Storage Data - March 2012 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)	2,500	70			BG	%CAP
1-Mar	3,580	3,480	875	1,900		8,660	8,870	5,990	2,500		70	236.397	87.3%		
2-Mar	3,850	3,720	910	1,880		8,870	8,900	4,050	2,010		70	236.302	87.2%		
3-Mar	4,200	4,000	1,010	2,110		9,090	9,400	3,530	1,850		70	235.761	87.0%		
4-Mar	5,630	5,670	995	2,070		9,980	10,100	3,430	1,830		70	235.650	87.0%		
5-Mar	5,570	5,610	999	1,930		10,200	10,700	2,900	1,690		70	235.528	87.0%		
6-Mar	5,070	4,900	1,150	2,070		11,200	11,000	2,590	1,620		71	234.912	86.7%		
7-Mar	4,440	4,400	1,120	2,100		10,700	10,400	2,370	1,550		71	234.213	86.5%		
8-Mar	4,490	4,590	924	1,920		9,810	9,620	2,290	1,520		70	233.732	86.3%		
9-Mar	5,330	6,110	867	1,790		9,310	9,280	2,290	1,520		70	234.067	86.4%		
10-Mar	9,140	8,520	851	1,730		9,870	10,100	2,200	1,440		70	235.792	87.1%		
11-Mar	7,660	7,250	840	1,690		13,600	13,100	2,050	1,380		69	236.788	87.4%		
12-Mar	5,790	5,830	827	1,680		12,100	12,000	1,980	1,340		69	237.734	87.8%		
13-Mar	5,930	5,740	632	1,530		10,700	10,500	1,940	1,280		69	238.430	88.0%		
14-Mar	6,180	5,830	766	1,510		9,920	9,890	1,880	1,270		68	239.111	88.3%		
15-Mar	6,100	5,840	797	1,590		9,530	9,670	1,770	1,270		68	239.876	88.6%		
16-Mar	5,660	5,430	791	1,590		9,700	9,720	1,760	1,250		69	240.527	88.8%		
17-Mar	5,470	5,120	753	1,550		9,360	9,520	1,700	1,190		69	241.140	89.0%		
18-Mar	4,590	4,630	742	1,490		8,870	9,110	1,610	1,170		68	241.643	89.2%		
19-Mar	4,270	4,420	726	1,470		8,550	8,330	1,580	1,150		68	241.999	89.4%		
20-Mar	4,740	4,460	679	1,440		8,040	7,940	1,550	1,130		69	243.076	89.7%		
21-Mar	4,370	4,660	671	1,400		7,980	7,930	1,510	1,080		69	243.635	90.0%		
22-Mar	4,690	4,460	664	1,380		7,630	7,750	1,460	1,070		68	244.154	90.1%		
23-Mar	4,370	4,150	657	1,360		7,980	7,870	1,410	1,050		68	244.605	90.3%		
24-Mar	3,780	3,800	615	1,330		7,430	7,380	1,390	1,050		68	244.763	90.4%		
25-Mar	3,290	3,320	610	1,320		7,050	6,910	1,420	1,050		68	244.976	90.5%		
26-Mar	3,120	3,210	602	1,310		6,670	6,510	1,390	1,040		69	245.101	90.5%		
27-Mar	3,560	3,450	583	1,200		5,950	5,950	1,310	992		69	245.041	90.5%		
28-Mar	2,960	3,080	549	1,160		6,000	6,050	1,230	947		70	244.963	90.4%		
29-Mar	2,960	2,960	532	1,150		5,910	5,780	1,200	957		70	244.741	90.4%		
30-Mar	2,800	2,850	520	1,100		5,650	5,590	1,220	961			244.609	90.3%		
31-Mar	2,800	2,820	587	1,330		5,690	5,720	1,490	1,100			244.450	90.3%		
March Avg	4,722	4,655	769	1,583		8,774	8,761	2,080	1,331						
Normal		8,820	1,768	3,835			18,225	4,596	2,970		67				
% of Normal		52.8%	43.5%	41.3%			48.1%	45.3%	44.8%						

TODAY'S RESERVOIR OBSERVATIONS: March 31, 2012

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

Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage (BG)=	90.3%	Lower Delaware Basin:
					244.450		Vol. (BG)
					NYC Daily Storage Median (BG)=	95.5%	a%Capacity
					BG Below Daily Storage Median =	-5.45%	Blue Marsh 4.47 104.4
					BG Above Drought Watch =		Beltzville 13.93 100.0
					BG Above Drought Warning =		
					BG Above Drought =		
					BG Below One Year Ago =		

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): March 31, 2012

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:

- Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).
 - 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.
 - Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.
 - 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.

- 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.
- Data for Salt Front location is unavailable for March 30-31, 2012.

DURING COLD WEATHER, ICE EFFECTS ON STREAMFLOW AT SOME STREAM-GAGING STATIONS ARE LIKELY. REPORTED DATA VALUES MAY BE SIGNIFICANTLY HIGHER OR LOWER THAN ACTUAL STREAMFLOWS.