

Delaware River Flow and Storage Data -March 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	Lehigh FLOW (CFS)	Bethl FLOW (CFS)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)			BG	%CAP
1-Mar	11,500	12,200	3,820	6,730		25,600	26,400	7,500	4,570		74	225,909	83.4%
2-Mar	12,600	12,600	3,800	7,060		28,800	29,700	5,380	3,770		74	226,257	83.5%
3-Mar	10,000	10,600	2,540	5,370		27,900	27,400	4,310	3,250		73	226,615	83.7%
4-Mar	9,080	9,340	1,990	4,440		22,900	22,900	3,610	2,860		71	226,633	83.7%
5-Mar	9,690	9,850	1,940	3,910		20,000	20,100	3,240	2,590		70	226,121	83.5%
6-Mar	10,700	16,600	3,900	5,690		19,900	22,400	3,990	3,200		69	226,813	83.7%
7-Mar	75,200	64,400	6,010	16,300		64,400	79,200	23,400	12,700		68	241,135	89.0%
8-Mar	39,900	37,200	4,650	10,200		113,000	100,000	15,900	9,780		66	248,592	91.8%
9-Mar	25,600	24,400	6,960	12,000		64,000	62,100	10,500	7,830		64	252,088	93.1%
10-Mar	19,700	20,700	5,240	9,660		49,700	50,800	12,500	8,070		62	254,375	93.9%
11-Mar	61,600	71,000	16,000	35,800		89,200	103,000	41,300	23,900		58	264,459	97.6%
12-Mar	69,000	63,600	8,470	16,500		147,000	138,000	28,300	16,600		<54	277,280	102.4%
13-Mar	42,400	40,600	10,400	15,700		99,700	93,500	15,500	10,500		<54	278,902	103.0%
14-Mar	32,900	31,600	10,100	14,000		70,500	68,600	12,000	9,000		<54	278,305	102.8%
15-Mar	25,600	24,800	9,420	12,800		57,600	56,000	9,520	7,470		<54	277,351	102.4%
16-Mar	21,800	21,900	8,920	12,300		48,300	48,600	10,300	7,290		<54	276,073	101.9%
17-Mar	22,400	22,200	7,430	11,100		45,500	45,100	9,400	6,320		<54	275,181	101.6%
18-Mar	21,600	21,900	3,210	6,970		41,900	40,400	6,880	4,880		<54	274,798	101.5%
19-Mar	23,700	24,700	2,770	5,840		36,600	36,600	5,520	4,090		<54	275,722	101.8%
20-Mar	23,700	23,000	2,550	5,480		37,700	37,900	4,520	3,280		<54	275,901	101.9%
21-Mar	19,900	19,800	2,430	5,430		35,300	35,000	4,360	3,490		<54	275,455	101.7%
22-Mar	18,800	18,600	2,520	4,930		33,600	32,900	5,250	4,020		<54	274,791	101.5%
23-Mar	18,000	17,700	2,660	4,850		31,200	31,300	4,570	3,340		<54	274,017	101.2%
24-Mar	16,400	16,100	2,730	5,530		34,600	33,400	5,950	4,280		<54	273,088	100.8%
25-Mar	14,600	14,300	2,500	5,240		31,100	30,300	5,550	3,910			272,221	100.5%
26-Mar	12,800	12,500	2,190	4,740		27,500	26,900	4,580	3,470			271,340	100.2%
27-Mar	10,600	10,400	1,930	4,340		24,200	23,900	4,080	3,210			270,563	99.9%
28-Mar	9,650	9,810	1,720	3,930		21,300	21,000	3,680	2,950			269,628	99.6%
29-Mar	9,110	9,280	1,710	3,730		19,600	19,700	3,470	2,820			268,763	99.2%
30-Mar	8,680	8,880	1,990	3,640		18,700	18,700	3,160	2,550			267,778	98.9%
31-Mar	8,520	8,280	1,720	3,830		17,900	18,300	2,970	2,440			266,785	98.5%
March Avg	23,088	22,866	4,652	8,646		45,329	45,165	9,071	6,078				
Normal		8,820	1,768	3,835			18,225	4,596	2,970		67		
% of Normal		259.2%	263.1%	225.5%			247.8%	197.4%	204.7%				

TODAY'S RESERVOIR OBSERVATIONS- March 31

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)=		Vol. (BG)	^d %Capacity	
Neversink	0.00	33.427	95.7%	207	0	266.785	98.5%	Blue Marsh	4.83	101.5
Pepacton	0.00	138.443	98.9%	450	0	258.533	95.5%	Beltzville	12.99	99.9
Cannonsville	0.01	94.915	99.2%	0	0	8.252	3.19%			
Rondout	0.00	47.616	96.0%	830	0	93.209				
						109.209				
						133.209				
						10.167				

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)- March 31

Blue Marsh	0	Beltzville	0	^b 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:

- ^a Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).
- ^b 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.
- ^c Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.
- ^d 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 Lehigh. For Lehigh, 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 2011.

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.