

Delaware River Flow and Storage Data -May 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)	Beth FLOW (CFS)	Glendon MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	5,100			BG	%CAP
1-May	25,100	24,200	3,830	7,180		48,600	46,700	6,320	5,100		<54	277.528	102.5%	
2-May	20,100	19,500	2,960	5,760		37,500	36,600	5,430	4,490		<54	276.501	102.1%	
3-May	16,900	16,600	2,520	5,030		31,800	31,200	4,760	3,830		<54	275.814	101.8%	
4-May	15,200	16,500	3,210	5,290		27,900	28,400	4,960	3,980		<54	275.951	101.9%	
5-May	21,300	20,900	3,700	5,830		28,700	30,500	5,790	3,990		<54	276.843	102.2%	
6-May	19,000	18,400	3,220	5,240		33,000	32,500	4,390	3,300		<54	276.197	102.0%	
7-May	14,900	14,500	2,340	4,090		29,500	28,400	3,680	2,840		<54	275.392	101.7%	
8-May	12,800	12,500	2,260	3,900		24,200	23,700	3,420	2,750		<54	274.699	101.4%	
9-May	11,000	11,000	2,160	3,730		21,800	21,200	3,190	2,550		<54	274.010	101.2%	
10-May	9,310	9,400	2,020	3,580		19,500	19,200	2,820	2,370		<54	273.342	100.9%	
11-May	8,100	8,390	1,790	3,320		17,500	17,300	2,600	2,230		<54	272.720	100.7%	
12-May	7,320	7,600	1,520	2,930		16,100	15,900	2,450	2,120		<54	272.231	100.5%	
13-May	6,470	6,480	1,430	2,730		14,500	14,500	2,350	2,030		59	271.633	100.3%	
14-May	5,180	5,540	1,480	2,670		13,400	13,200	2,130	1,970		60	271.074	100.1%	
15-May	4,660	4,910	1,280	2,890		12,600	12,500	2,720	2,360		61	270.913	100.0%	
16-May	5,410	5,960	1,350	3,020		13,100	14,400	4,700	3,800		62	270.927	100.0%	
17-May	7,880	7,940	2,450	3,550		14,700	15,300	5,410	4,700		62	271.420	100.2%	
18-May	8,680	9,790	1,960	4,430		18,100	19,400	5,540	4,010		62	272.308	100.5%	
19-May	17,600	19,600	1,750	3,670		22,500	24,900	5,480	3,940		61	274.164	101.2%	
20-May	26,800	28,500	2,680	4,860		41,900	42,400	5,870	4,490		60	275.179	101.6%	
21-May	28,700	28,600	3,440	5,940		50,900	49,200	6,780	5,310		59	276.288	102.0%	
22-May	23,200	22,600	2,710	5,100		45,800	44,200	6,010	4,930		58	276.204	102.0%	
23-May	18,200	17,500	2,150	4,370		37,400	35,900	5,450	4,400		56	275.720	101.8%	
24-May	15,200	15,600	3,280	6,690		34,300	34,100	4,880	4,940		<54	275.246	101.6%	
25-May	15,100	14,600	3,300	6,120		31,500	31,500	5,630	4,670		<54	274.500	101.4%	
26-May	11,700	11,800	2,440	4,870		28,700	27,800	4,400	3,650		<54	273.795	101.1%	
27-May	10,300	10,900	2,740	4,830		23,300	23,500	3,670	3,610		<54	273.632	101.0%	
28-May	10,100	10,200	2,470	4,490		21,500	21,800	3,990	3,610		<54	273.437	101.0%	
29-May	8,450	8,620	2,130	4,000		20,100	20,100	3,530	3,130		<54	272.911	100.8%	
30-May	7,380	7,680	2,250	4,170		17,900	18,100	3,110	2,770		<54	272.915	100.8%	
31-May	12,900	11,800	2,190	4,000		17,300	17,200	2,830	2,580		<54	272.896	100.8%	
Obs. May Avg	13,708	13,810	2,420	4,461		26,310	26,181	4,332	3,563					
Normal		6,861	1,578	2,760			13,645	2,783	2,073			64		
% of Normal		201.3%	153.3%	161.6%			191.9%	155.7%	171.9%					

TODAY'S RESERVOIR OBSERVATIONS: May 31, 2011

New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=			100.8%		Lower Delaware Basin:				
Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)		272.896	269.679	3.217	82.896	98.896	122.896	6.378	Vol. (BG)	%Capacity	
Neversink	0.00	34.670	99.2%	194	0								Blue Marsh	5.62	100.2
Pepacton	0.00	140.653	100.3%	448	0								Beltville	14.01	100.6
Cannonsville	0.00	97.573	102.0%	0	0								<i>Please Note-storage capacities of Blue Marsh and Beltville reservoirs have been adjusted based on results from recent Army Corps of Engineers sedimentation studies.</i>		
Rondout	0.00	47.904	96.5%	818	0										

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

Blue Marsh	0	Beltville	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:

- ^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 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. DRBC DOES NOT TRACK THE SALT FRONT BELOW RIVER MILE 54.
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 2011.