Delaware River Flow and Storage Data - June 2011 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C	[a] Salt	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)	Vincent Dam	Front River Mile	BG	%CAP
1-Jun	10,200	10,300	1,930	3,640	8.9	20,400	19,800	2,490	2,230	25.5	<54	272.525	100.6%
2-Jun	8,550	7,950	1,620	3,150	8.9	18,100	17,800	2,130	1,990	24.7	<54	271.762	100.3%
3-Jun	6,440	6,350	1,410	2,760	9.3	16,000	15,200	1,860	1,820	22.9	<54	271.229	100.1%
4-Jun	5,100	5,080	1,250	2,440	9.6	13,200	12,800	1,730	1,710	21.5	<54	270.543	99.9%
5-Jun	4,350	4,270	1,210	2,340	9.8	11,700	11,200	1,660	1,660	20.9	57	270.030	99.7%
6-Jun	3,900	3,850	1,150	2,260	9.6	10,000	9,910	1,630	1,610	23.1	60	269.508	99.5%
7-Jun	4,370	3,980	1,080	2,160	9.2	9,250	9,120	1,530	1,580	24.1	62	268.940	99.3%
8-Jun	4,060	3,980	993	2,020	8.9	8,820	8,870	1,430	1,440	26.1	63	268.182	99.0%
9-Jun	3,900	3,840	945	1,890	8.5	8,140	8,270	1,340	1,420	27.6	65	267.469	98.8%
10-Jun	3,510	3,530	908	1,860	8.3	8,550	8,430	1,310	1,410	27.5	66	266.964	98.6%
11-Jun	3,740	3,490	1,250	2,460	8.3	8,340	8,260	1,270	1,800	26.1	66	266.290	98.3%
12-Jun	3,530	4,030	1,580	2,860	8.6	8,870	9,000	3,130	2,680	23.3	67	265.909	98.2%
13-Jun	5,980	5,980	1,550	2,740	9.2	8,610	9,040	2,620	2,480	22.7	67	265.540	98.0%
14-Jun	5,490	5,040	1,890	3,040	9.3	11,800	11,700	2,240	1,860	22.3	68	265.213	97.9%
15-Jun	5,180	4,720	1,770	2,920	9.4	12,100	11,600	1,790	1,540	23.4	68	264.858	97.8%
16-Jun	4,970	4,530	1,410	2,520	9.0	10,500	10,500	1,450	1,400	22.2	69	264.217	97.6%
17-Jun	4,610	4,470	1,680	2,830	8.9	10,800	10,700	1,810	1,630	23.5	69	263.745	97.4%
18-Jun	4,870	4,720	1,630	3,030	9.0	12,300	12,100	1,790	1,720	24.0	69	263.576	97.3%
19-Jun	4,420	4,320	1,490	2,640	8.7	12,100	11,700	1,530	1,430	25.0	69	263.185	97.2%
20-Jun	3,780	3,680	1,100	2,230	8.3	10,400	10,200	1,280	1,300	25.5	69	262.662	97.0%
21-Jun	3,920	3,680	989	1,830	8.2	8,870	8,630	1,120	1,250	25.6	69	262.004	96.7%
22-Jun	4,060	4,270	1,010	1,750	8.1	8,090	8,070	1,090	1,290	25.7	69	261.261	96.5%
23-Jun	10,100	13,800	1,090	1,850	8.0	7,480	8,390	1,290	1,330	26.1	69	260.822	96.3%
24-Jun	24,800	25,900	1,850	3,530	8.2	17,000	23,400	1,160	1,460	26.1	69	261.239	96.5%
25-Jun	30,800	27,300	2,030	3,480	8.6	38,200	37,800	1,410	1,470	25.7	70	262.441	96.9%
26-Jun	19,700	18,400	1,720	2,960	8.9	37,400	35,800	1,220	1,280	24.9	70	262.845	97.0%
27-Jun	13,000	12,500	1,630	2,820	9.1	27,400	26,200	1,060	1,140	24.5	70	262.902	97.1%
28-Jun	10,200	9,940	1,280	2,570	8.8	20,400	19,900	895	1,040	25.6	70	262.691	97.0%
29-Jun	9,040	9,520	1,100	2,200	8.4	16,800	16,600	872	1,070	25.9	70	263.767	97.4%
30-Jun	12,500	11,200	1,020	1,970		15,100	15,400	819	985	26.0	70	264.655	97.7%
Obs. June Avg	7,969	7,821	1,386	2,558	8.8	14,224	14,213	1,565	1,568	24.6			
Normal		**3,365**	**964**	**1,987**			**8,193**	**1,826**	**1,404**		**67**		
% of Normal		232.4%	143.7%	128.8%			173.5%	85.7%	111.6%				

TODAY'S RESERVOIR OBSERVATIONS- June 30, 2011

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

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	34.734	99.4%	495	0
Pepacton	0.00	138.627	98.9%	201	0
Cannonsville	0.00	91.294	95.4%	0	0
Rondout	0.00	49.038	98.8%	701	0

NYC Daily Storage (BG)=	**264.655**	97.7%
NYC Daily Storage Median (BG)=	257.498	95.1%
BG Above Daily Storage Median =	7.157	2.78%
BG Above Drought Watch =	74.655	
BG Above Drought Warning =	90.655	
BG Above Drought =	114.655	
BG Above One Year Ago =	16.868	

Lower Delaware Basin:

	Vol. (BG)	[d]%Capacity
Blue Marsh	5.65	100.8
Beltzville	13.94	100.1

Please Note-storage capacities of Blue Marsh and Beltzville reservoirs have been adjusted based on results from recent Army Corps of Engineers sedimentation studies.

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)

Blue Marsh	0	**Beltzville**	0	[b]**F.E. Walter**	0	**Merrill Cr.**	0	**Lake 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:

[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.

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. Dissolved oxygen data for the Lehigh River at Glendon is unavailable for June 30, 2011.