Delaware River Flow and Storage Data - December 2002 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C	[a] Salt Front River Mile	New York City Delaware River Basin Storage	
	8:00 AM	MEAN	Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Phila (CFS)	Potts (CFS)	Vincent Dam		BG	%CAP
1-Dec	5,530	4,940	1,730	2,500		12,300	12,100	2,420	1,810		65	193.745	71.5%
2-Dec	5,740	5,090	1,640	2,380		11,600	11,400	2,280	1,700		65	194.823	71.9%
3-Dec	5,370	4,780	1,480	2,290		11,090	11,000	2,040	1,420		65	195.826	72.3%
4-Dec	5,110	4,240	1,080	1,840		10,970	10,600	1,720	1,250		65	196.155	72.4%
5-Dec	4,710	3,980	1,170	1,880		9,470	9,500	1,650	1,260		65	196.489	72.5%
6-Dec	3,830	3,850	1,130	1,880		8,660	9,110	1,660	1,300		65	196.847	72.7%
7-Dec	4,320	3,740	1,040	1,730		8,610	8,660	1,580	1,280		66	197.459	72.9%
8-Dec	3,610	3,250	1,030	1,700		8,240	8,450	1,590	1,220		66	197.703	73.0%
9-Dec	3,110	3,210	982	1,660		7,340	7,720	1,600	1,200		67	197.964	73.1%
10-Dec	4,510	3,760	941	1,460		7,190	7,150	1,450	1,100		67	197.915	73.1%
11-Dec	3,760	3,510	972	1,770		6,260	7,290	2,700	2,060		68	197.876	73.1%
12-Dec	4,490	4,240	2,420	4,710		12,900	15,200	12,500	5,960		68	198.298	73.2%
13-Dec	4,880	4,760	2,750	5,130		18,400	18,200	10,500	6,150		69	198.607	73.3%
14-Dec	5,930	6,500	3,290	6,960		23,200	22,600	14,800	8,020		69	199.098	73.5%
15-Dec	9,160	8,770	3,370	7,500		25,300	25,400	11,800	8,080		70	200.003	73.8%
16-Dec	8,840	8,690	3,250	6,150		25,800	25,100	9,190	6,580		70	200.914	74.2%
17-Dec	7,620	7,570	3,130	5,250		22,630	22,500	7,310	5,360		70	201.554	74.4%
18-Dec	7,470	6,580	2,680	4,390		19,870	19,300	6,050	4,470		70	201.916	74.6%
19-Dec	6,400	5,720	2,070	3,600		17,000	16,400	5,020	3,600		70	202.313	74.7%
20-Dec	6,120	6,290	2,120	4,090		15,400	17,500	7,150	3,840		69	202.949	74.9%
21-Dec	10,900	10,500	2,850	5,000		25,200	24,600	9,730	4,770		69	206.746	76.3%
22-Dec	11,400	11,000	2,640	4,380		26,300	26,000	6,090	3,890		68	209.613	77.4%
23-Dec	9,660	9,340	2,950	4,170		24,700	23,700	5,200	3,560		68	211.802	78.2%
24-Dec	8,810	8,340	3,320	4,890		20,900	21,100	4,620	3,370		67	213.538	78.8%
25-Dec	7,900	7,680	2,960	4,540		20,200	20,700	6,290	4,100		67	215.010	79.4%
26-Dec	6,690	7,110	2,670	4,360		21,400	20,800	8,780	4,260		66	217.316	80.2%
27-Dec	7,470	7,320	1,770	3,400		18,500	18,200	6,010	3,410		65	218.885	80.8%
28-Dec	7,620	7,040	1,550	2,990		16,900	16,700	4,780	2,940		64	220.045	81.2%
29-Dec	6,770	6,800	1,530	2,890		16,400	15,900	4,290	2,770		64	221.331	81.7%
30-Dec	6,540	5,910	1,480	2,790		15,300	15,200	4,140	2,640		64	222.585	82.2%
31-Dec	6,040	5,930	1,490	2,740		14,500	14,200	3,900	2,500		65	223.635	82.6%
December Avg	6,462	6,143	2,048	3,581		16,211	16,203	5,446	3,415				
Normal		**4,599**	**1,586**	**2,272**			**10,032**	**2,437**	**1,801**		**74**		
% of Normal		133.6%	129.1%	157.6%			161.5%	223.5%	189.6%				

NYC 24-hr Reservoir Observations: December 31, 8 am

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.21	26.988	77.2%	0	0
Pepacton	0.15	111.726	79.7%	0	0
Cannonsville	0.06	84.921	88.7%	0	0
Rondout	0.22	46.207	93.1%	203	0

DIRECTED RELEASES (CFS)	
Blue Marsh	0
Beltzville	0
[b]F.E. Walter	0
Merrill Cr	0
NYC Res.-Excess Bank	0
[c]Lake Wallenpaupack	0

Summary of NYC Storage Observations for December 31		
NYC Daily Storage (BG)=	223.635	82.6%
NYC Daily Storage Median (BG)=	188.828	69.7%
BG Above NYC Daily Storage Median =	34.807	18.43%
BG Above Drought Watch =	97.741	
BG Above Drought Warning =	113.741	
BG Above Drought =	137.741	
BG Above One Year Ago =	153.732	

DAILY USABLE STORAGE 12/31/02

	VOL. (BG)	[d]%CAP
Blue Marsh	4.79	100.6
Beltzville	12.58	96.8

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.

[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; MG= Million Gallons; CFS=Cubic Feet per Second
ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE

NOTES:

1. The salt front river mile location will be updated as chloride data is received.

2. 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 adjusted data becomes available.