## Delaware River Flow and Storage Data - October 2005 Summary

									Schuylkill River @			New York City	
	Delaware @		Lehigh River @			Delaware @				Max Temp	<sup>a</sup> Salt	Delaware River Basin	
DAY	Montague (CFS)		Lehighton Bethl		Easton	Trent	ton (CFS)			Degrees C	Front	Storage	
	8:00 AM	MEAN	FLOW (CFS)	FLOW (CFS)	MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	Vincent Dam	River Mile	BG	%CAP
1-Oct	1,890	1,690	170	492	(MG/L)	2,660	2,720	730		Dain	86		47.4%
2-Oct	1,920	1,720	167	474		2,830	2,840	708	488		86	126.609	46.7%
3-Oct	1,940	1,740	165	477		2,770	2,770		463		85	124.991	46.1%
4-Oct 5-Oct	1,940 1,960	1,750 1,760	166 157	502 525		2,830 2,830	2,810 2,840	609 651	518 533		86 87		45.5% 44.8%
6-Oct	1,960	1,750	137	525		2,830	2,840	697	530		88		44.8%
7-Oct	1,920	1,750	194	585		2,890	2,930	684	647		89		43.8%
8-Oct	2,260	5,280	2,160	13,200		3,630	12,200	16,300	15,800		90		43.9%
9-Oct	15,800	15,600	2,170	18,300		86,400	78,900	41,100	14,000		89		45.9%
10-Oct 11-Oct	12,200	11,300 6,440	1,110 1,830	5,000 3,970		45,900 27,600	43,500 26,200	10,400 5,320	4,860 2,750		88 86		46.4% 46.6%
11-Oct 12-Oct	5,790	7,660	1,850	3,970		27,000	29,200	4,070	2,730		83	126.710	46.8%
12-Oct	24,100	24,700	2,130	4,010		34,200	35,400	3,880	2,070		80		47.6%
14-Oct	25,900	24,500	2,550	4,540		49,300	49,900	3,950	2,010		77	132.225	48.8%
15-Oct	21,000	20,500	2,360	4,340		48,400	46,800				72		49.8%
16-Oct	17,400	16,200	2,210	3,970		40,100	38,800	3,200	1,530		70		50.7%
17-Oct 18-Oct	<u>11,900</u> 9,750	11,400 9,100	1,930 1,380	3,610 2,770		31,700 24,000	30,400 23,000	2,520 2,120	1,360 1,150		69 68		51.3% 51.7%
19-Oct	7,590	7,240	1,270	2,500		19,400	18,700	1,800	1,030		68		52.1%
20-Oct	6,070		1,080	2,200		16,300	15,900				67		52.4%
21-Oct	5,530	5,470	799	1,890		14,100	13,900	1,540	911		66		52.6%
22-Oct	4,980	5,030	1,210	2,200		12,600	12,700	2,120	1,250		66	142.923	52.8%
23-Oct 24-Oct	7,590	10,700 15,100	1,710	3,610 3,050		14,400 18,900	15,400 21,500	5,250 4,020	2,080 1,900		66 67	144.986 148.257	53.5% 54.7%
24-Oct 25-Oct	12,400	13,100	1,490 2,220	4,570		27,300	21,500	5,940			67		55.6%
25 Oct	24,800	23,900	3,030	5,680		31,700	33,800	9,200	4,460		68		57.6%
27-Oct	18,900	18,000	3,300	5,750		40,900	39,500	6,200	3,600		68	159.506	58.9%
28-Oct	13,800	13,300	2,520	4,530		32,500	31,100	,	2,730		69		59.9%
29-Oct	11,100	10,800	2,180	3,900		25,400	24,600	3,800	2,100		70		60.8%
30-Oct 31-Oct	9,460 8,620	9,230 8,120	2,050	3,580 3,290		21,000 18,300	20,700 18,000	3,150 2,780	1,840 1,640		70 70		61.5% 62.1%
51-00	0,020	0,120	1,770	5,270		18,500	18,000	2,780	1,040		70	100.152	02.170
October Avg	10,126	10,059	1,525	3,801		23,614	23,481	4,968	2,619				
Normal		2,391	697	1,486			5,320		940		81		
% of Normal		420.7%	218.8%	255.8%			441.4%	399.3%				. Ostalass	21
NYC 24-hr Rese	rvoir Obse	rvations: Oct					Directed Rele		*		servations		
	Precip		Usable	Storage	Draft	Directed Rel	Octobe	r 31 NYC Daily Stor		rage (BG)=		168.132	62.1%
		(IN.)	(BG)	(%)	(MG)	(MG)	Blue Marsh	0	NYC Daily Stor	rage Median (B	(G)=	147.470	54.4%
Neversink		0.00	31.201	89.3%	0	0	Beltzville	0	BG Above NYC	C Daily Storage	Median =	20.662	14.01%
Pepacton		0.00	97.877	69.8%	0	0	<sup>b</sup> F.E. Walter	0	BG Above Drou	ight Watch =		58.132	
Cannonsville		0.00	39.054	40.8%	0	0	Merrill Cr	0	BG Above Drou	ight Warning =	=	74.132	
Rondou	ıt	0.00	46.749	94.2%	406	0	NYC Res		BG Above Drought =			98.132	
							Excess Bank	0	BG Below One	Year Ago =		100.298	
							<sup>c</sup> Lake Wallenpaupack			_			
							Daily Usable Stor	age: October					
							VOL. (BG)		<sup>d</sup> %CAP				
						Blue	e Marsh 4.70		100.0				
							ltzville	13.16		1			

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.

<sup>a</sup> 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.

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

## NOTES:

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

2. 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).

3. Reporting of the minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2006.

4. As of October 1, Blue Marsh reservoir will begin its seasonal drawdown to winter pool storage of 4.76 bg.