

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
November 2007**

Prepared by the  
Office of the Delaware River Master  
Milford, Pennsylvania

Adjusted streamflow in the upper Delaware River Basin during November was excessive. The maximum daily mean discharge of 19,800 cfs was recorded on November 16. The minimum daily mean discharge was 2,590 cfs on November 12.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during November was 6,833 cfs, which is 144 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 9,798 cfs, or 154 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during November was 4.15 inches, which is 109 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.08 inches on November 15. Precipitation in the upper Delaware River Basin during the past 12 months was 2.38 inches more than the long-term average. Precipitation during November was 0.34 inches more than the long-term average for the month.

Combined storage December 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 80 percent of capacity above the point of maximum depletion. The combined storage of 218 billion gallons was 40 billion gallons more than that of one month ago and 52 billion gallons less than that of one year ago. Median combined storage on the first day of December in 40 years of record is 179 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during November were above average in 10 of 20 observation wells. Water levels in 16 of the wells were above October 2007 levels, and water levels in all of the wells were below November 2006 levels.

## HYDROLOGIC CONDITIONS IN THE UPPER DELAWARE RIVER BASIN

Compiled by the Office of the Delaware River Master, Milford, Pa.

(Preliminary data - subject to revision)

### PRECIPITATION, IN INCHES

	Dec. 1940 to Nov. 2006		December 2006 to November 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Dec.	3.40	43.82	2.12	46.20	62	105	-1.28	+2.38
Jan.	3.05	40.42	3.92	44.08	129	109	+ .87	+3.66
Feb.	2.59	37.37	3.12	40.16	120	107	+ .53	+2.79
Mar.	3.33	34.78	3.66	37.04	110	106	+ .33	+2.26
Apr.	3.76	31.45	5.37	33.38	143	106	+1.61	+1.93
May	4.18	27.69	1.40	28.01	33	101	-2.78	+ .32
June	4.12	23.51	3.46	26.61	84	113	- .66	+3.10
July	4.04	19.39	5.76	23.15	143	119	+1.72	+3.76
Aug.	3.92	15.35	3.89	17.39	99	113	- .03	+2.04
Sept.	4.06	11.43	2.34	13.50	58	118	-1.72	+2.07
Oct.	3.56	7.37	7.01	11.16	197	151	+3.45	+3.79
Nov.	3.81	3.81	4.15	4.15	109	109	+ .34	+ .34

Note: Amount shown in cumulative columns is total from month shown to present.

### STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2006			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
November (observed)	13,010 (2003)	4,730	995 (1964)	6,833	144
November (adjusted)	16,160 (1972)	6,262	390 (1964)	9,798	156
December (observed)	18,830 (1996)	5,050	1,665 (1998)		
December (adjusted)	20,880 (1973)	6,772	1,624 (1998)		