

**SUMMARY OF HYDROLOGIC CONDITIONS
IN THE
UPPER DELAWARE RIVER BASIN
November 2005**

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

Adjusted streamflow in the upper Delaware River Basin during November was in the normal range. The maximum daily mean discharge of 15,000 cfs was recorded on November 30. The minimum daily mean discharge was 3,760 cfs on November 14.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during November was 5,848 cfs, which is 128 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 8,864 cfs, or 139 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during November was 3.91 inches, which is 103 percent of the 64-year average. The maximum daily-average precipitation during the month was 1.41 inches on November 30. Precipitation in the upper Delaware River Basin during the past 12 months was 7.91 inches more than the long-term average. Precipitation during November was 0.12 inches more than the long-term average for the month.

Combined storage December 1, 2005 in Pepacton, Cannonsville, and Neversink Reservoirs was 79 percent of capacity above the point of maximum depletion. The combined storage of 213 billion gallons was 43 billion gallons more than that of one month ago and 55 billion gallons less than that of one year ago. Median storage on the first day of December in 38 years of record is 177 billion gallons.

As part of a statewide network, the USGS operates 12 observation wells in the Pennsylvania part of the Delaware River Basin. Mean water levels during November were above average in 8 of the wells. Water levels in all of the wells were above October 2005 levels, and water levels in 10 of the wells were below November 2004 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. 2004		December 2004 to November 2005					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Dec.	3.40	43.53	4.12	51.44	121	118	+7.72	+7.91
Jan.	2.97	40.13	5.96	47.32	201	118	+2.99	+7.19
Feb.	2.62	37.16	2.03	41.36	77	111	-.59	+4.20
Mar.	3.34	34.54	4.66	39.33	140	114	+1.32	+4.79
Apr.	3.72	31.20	5.78	34.67	155	111	+2.06	+3.47
May	4.22	27.48	1.52	28.89	36	105	-2.70	+1.41
June	4.01	23.26	3.40	27.37	85	118	-.61	+4.11
July	4.07	19.25	2.92	23.97	72	125	-1.15	+4.72
Aug.	3.89	15.18	3.59	21.05	92	139	-.30	+5.87
Sept.	4.08	11.29	1.72	17.46	42	155	-2.36	+6.17
Oct.	3.42	7.21	11.83	15.74	346	218	+8.41	+8.53
Nov.	3.79	3.79	3.91	3.91	103	103	+1.12	+1.12

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

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

Month	1940-2004			2005 Monthly mean	Percent of median
	Maximum	Median	Minimum		
November (observed)	13,010 (2003)	4,555	995 (1964)	5,848	128
November (adjusted)	16,160 (1972)	5,938	390 (1964)	8,864	149
December (observed)	18,830 (1996)	4,943	1,665 (1998)		
December (adjusted)	20,880 (1973)	6,735	1,624 (1998)		