

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

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

Adjusted streamflow in the upper Delaware River Basin during July was in the normal range. The maximum daily mean discharge of 3,230 cfs occurred on July 9. The minimum daily mean discharge was 1,570 cfs on July 17.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during July was 2,095 cfs, which is 86 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 1,781 cfs, or 78 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during July was 2.92 inches, which is 72 percent of the 64-year average. The maximum daily-average precipitation during the month was 0.65 inches on July 9. Precipitation in the upper Delaware River Basin during the past 12 months was 8.45 inches more than the long-term average. Precipitation during July was 1.15 inches less than the long-term average for the month.

Combined storage August 1, 2005 in Pepacton, Cannonsville, and Neversink Reservoirs was 79 percent of capacity above the point of maximum depletion. The combined storage of 214 billion gallons was 24 billion gallons less than that of one month ago and 40 billion gallons less than that of one year ago. Median storage on the first day of August in 38 years of record is 232 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 July were above average in 7 of the wells. Water levels in 11 of the wells were below June 2005 levels, and water levels in 8 of the wells were below July 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 July 2004		August 2004 to July 2005					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Aug.	3.84	43.41	7.29	51.86	190	119	+3.45	+8.45
Sept.	3.99	39.57	9.50	44.57	238	113	+5.51	+5.00
Oct.	3.43	35.58	2.45	35.07	71	99	-.98	-.51
Nov.	3.80	32.15	3.56	32.62	94	101	-.24	+.47
Dec.	3.40	28.35	4.12	29.06	121	103	+.72	+.71
Jan.	2.97	24.95	*5.96	24.94	201	100	+2.99	-.01
Feb.	2.62	21.98	1.86	18.98	71	86	-.76	-3.00
Mar.	3.34	19.36	4.23	17.12	127	88	+.89	-2.24
Apr.	3.72	16.02	5.26	12.89	141	80	+1.54	-3.13
May	4.22	12.30	1.31	7.63	31	62	-2.91	-4.67
June	4.01	8.08	3.40	6.32	85	78	-.61	-1.76
July	4.07	4.07	2.92	2.92	72	72	-1.15	-1.15

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

\* Revised since last month.

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

Month	1940-2003			2005 Monthly mean	Percent of median
	Maximum	Median	Minimum		
July (observed)	11,220 (1945)	2,442	864 (1954)	2,095	86
July (adjusted)	11,470 (1945)	2,138	391 (1965)	1,781	83
August (observed)	14,230 (1955)	2,096	715 (1954)		
August (adjusted)	17,410 (1955)	1,380	364 (1964)		