

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
July 2008**

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

Adjusted streamflow in the upper Delaware River Basin during July was excessive. The maximum daily mean discharge of 16,900 cfs was recorded on July 25. The minimum daily mean discharge was 1,760 cfs on July 7.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during July was 3,667 cfs, which is 150 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 4,374 cfs, or 191 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during July was 5.48 inches, which is 135 percent of the 67-year average. The maximum daily-average precipitation during the month was 1.86 inches on July 24. Precipitation in the upper Delaware River Basin during the past 12 months was 7.94 inches more than the long-term average. Precipitation during July was 1.41 inches more than the long-term average for the month.

Combined storage August 1, 2008 in Pepacton, Cannonsville, and Neversink Reservoirs was 89 percent of capacity above the point of maximum depletion. The combined storage of 240 billion gallons was 1 billion gallons less than that of one month ago and 23 billion gallons more than that of one year ago. Median combined storage on the first day of August in 41 years of record is 230 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 July were below average in 15 of 20 observation wells. Water levels in all of the wells were below June 2008 levels, and water levels in 10 of the wells were below July 2007 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 2007		August 2007 to July 2008					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Aug.	3.92	43.82	3.53	51.76	90	118	-.39	+7.94
Sept.	4.06	39.90	2.88	48.23	71	121	-1.18	+8.33
Oct.	3.56	35.84	6.82	45.35	192	127	+3.26	+9.51
Nov.	3.81	32.28	4.31	38.53	113	119	+.50	+6.25
Dec.	3.38	28.47	5.33	34.22	158	120	+1.95	+5.75
Jan.	3.06	25.09	*2.15	28.89	70	115	-.91	+3.80
Feb.	2.60	22.03	6.13	26.74	236	121	+3.53	+4.71
Mar.	3.33	19.43	6.12	20.61	184	106	+2.79	+1.18
Apr.	3.78	16.10	3.10	14.49	82	90	-.68	-1.61
May	4.15	12.32	2.68	11.39	65	92	-1.47	-.93
June	4.10	8.17	3.23	8.71	79	107	-.87	+.54
July	4.07	4.07	5.48	5.48	135	135	+1.41	+1.41

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	1940-2007			2008 Monthly mean	Percent of median
	Maximum	Median	Minimum		
July (observed)	11,220 (1945)	2,442	864 (1954)	3,667	150
July (adjusted)	11,470 (1945)	2,138	391 (1965)	4,374	205
August (observed)	14,230 (1955)	2,112	715 (1954)		
August (adjusted)	17,410 (1955)	1,463	364 (1964)		