

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

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

Adjusted streamflow in the upper Delaware River Basin during June was in the normal range. The maximum daily mean discharge of 3,310 cfs was recorded on June 10. The minimum daily mean discharge was 1,700 cfs on June 30.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during June was 2,385 cfs, which is 73 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 2,097 cfs, or 53 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during June was 3.23 inches, which is 79 percent of the 67-year average. The maximum daily-average precipitation during the month was 0.54 inches on June 23. Precipitation in the upper Delaware River Basin during the past 12 months was 7.89 inches more than the long-term average. Precipitation during June was 0.87 inches less than the long-term average for the month.

Combined storage on July 1, 2008 in Pepacton, Cannonsville, and Neversink Reservoirs was 89 percent of capacity above the point of maximum depletion. The combined storage of 241 billion gallons was 20 billion gallons less than that of one month ago and 4 billion gallons less than that of one year ago. Median combined storage on the first day of July in 41 years of record is 257 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 June were above average in 13 of 20 observation wells. Water levels in 18 of the wells were below May 2008 levels, and water levels in 10 of the wells were below June 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 June 2007		July 2007 to June 2008					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
July	4.04	43.79	5.76	51.68	143	118	+1.72	+7.89
Aug.	3.92	39.75	3.53	45.92	90	116	-.39	+6.17
Sept.	4.06	35.83	2.88	42.39	71	118	-1.18	+6.56
Oct.	3.56	31.77	6.82	39.51	192	124	+3.26	+7.74
Nov.	3.81	28.21	4.31	32.69	113	116	+.50	+4.48
Dec.	3.38	24.40	*5.33	28.38	158	116	+1.95	+3.98
Jan.	3.06	21.02	1.79	23.05	58	110	-1.27	+2.03
Feb.	2.60	17.96	6.13	21.26	236	118	+3.53	+3.30
Mar.	3.33	15.36	6.12	15.13	184	99	+2.79	-.23
Apr.	3.78	12.03	3.10	9.01	82	75	-.68	-3.02
May	4.15	8.25	2.68	5.91	65	72	-1.47	-2.34
June	4.10	4.10	3.23	3.23	79	79	-.87	-.87

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		
June (observed)	20,130 (2006)	3,284	1,214 (1965)	2,385	73
June (adjusted)	21,350 (2006)	3,961	1,024 (1962)	2,097	53
July (observed)	11,220 (1945)	2,442	864 (1954)		
July (adjusted)	11,470 (1945)	2,138	391 (1965)		