

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
June 2009**

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

Adjusted streamflow in the upper Delaware River Basin during June was excessive. The maximum daily mean discharge of 23,500 cfs was recorded on June 22. The minimum daily mean discharge was 3,660 cfs on June 8.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during June was 10,050 cfs, which is 314 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 10,170 cfs, or 259 percent of median (water years 1971-2000).

On the basis of a 10-station average, precipitation during June was 7.19 inches, which is 176 percent of the 68-year average. The maximum daily-average precipitation during the month was 1.48 inches on June 9. Precipitation in the upper Delaware River Basin during the past 12 months was 3.87 inches more than the long-term average. Precipitation during June was 3.10 inches more than the long-term average for the month.

Combined storage July 1, 2009 in Pepacton, Cannonsville, and Neversink Reservoirs was 100 percent of capacity above the point of maximum depletion. The combined storage of 270 billion gallons was 4 billion gallons less than that of one month ago and 29 billion gallons more than that of one year ago. Median storage on the first day of July in 42 years of record is 257 billion gallons. Pepacton, Cannonsville, and Neversink Reservoirs spilled 10.4, 9.5 and 4.0 billion gallons, respectively, during the month.

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 10 of the wells were above May 2009 levels, and water levels in 15 of the wells were above June 2008 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 2008		July 2008 to June 2009					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
July	4.07	43.94	6.00	47.81	147	109	+1.93	+3.87
Aug.	3.91	39.87	2.49	41.81	64	105	-1.42	+1.94
Sept.	4.04	35.96	5.04	39.32	125	109	+1.00	+3.36
Oct.	3.61	31.92	4.33	34.28	120	107	+0.72	+2.36
Nov.	3.82	28.31	2.18	29.95	57	106	-1.64	+1.64
Dec.	3.41	24.49	6.17	27.77	181	113	+2.76	+3.28
Jan.	3.05	21.08	*2.91	21.60	95	102	-0.14	+0.52
Feb.	2.65	18.03	1.30	18.69	49	104	-1.35	+0.66
Mar.	3.38	15.38	2.32	17.39	69	113	-1.06	+2.01
Apr.	3.78	12.00	2.22	15.07	59	126	-1.56	+3.07
May	4.13	8.22	5.66	12.85	137	156	+1.53	+4.63
June	4.09	4.09	7.19	7.19	176	176	+3.10	+3.10

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	1940-2008			2009 Monthly mean	Percent of median
	Maximum	Median	Minimum		
June (observed)	20,130 (2006)	3,199	1,214 (1965)	10,050	314
June (adjusted)	21,350 (2006)	3,948	1,024 (1962)	10,170	258
July (observed)	11,220 (1945)	2,486	864 (1954)		
July (adjusted)	11,470 (1945)	2,193	391 (1965)		