

**SUMMARY OF HYDROLOGIC CONDITIONS
IN THE
UPPER DELAWARE RIVER BASIN
June 2010**

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 6,210 cfs was recorded on June 14. The minimum daily mean discharge was 1,980 cfs on June 28.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during June was 2,809 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 2,612 cfs, or 66 percent of median (water years 1971-2000).

On the basis of a 10-station average, precipitation during June was 3.94 inches, which is 95 percent of the 69-year average. The maximum daily-average precipitation during the month was 0.90 inches on June 10. Precipitation in the upper Delaware River Basin during the past 12 months was 3.08 inches more than the long-term average. Precipitation during June was 0.20 inches less than the long-term average for the month.

Combined storage July 1, 2010 in Pepacton, Cannonsville, and Neversink Reservoirs was 91 percent of capacity above the point of maximum depletion. The combined storage of 247 billion gallons was 19 billion gallons less than that of one month ago and 23 billion gallons less than that of one year ago. Median storage on the first day of July in 43 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 below average in 11 of 20 observation wells. Water levels in 19 of the wells were below May 2010 levels, and water levels in 12 of the wells were below June 2009 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 2009		July 2009 to June 2010					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
July	4.10	44.01	6.49	47.09	158	107	+2.39	+3.08
Aug.	3.89	39.91	7.03	40.60	181	102	+3.14	+6.9
Sept.	4.05	36.02	2.23	33.57	55	93	-1.82	-2.45
Oct.	3.62	31.97	4.82	31.34	133	98	+1.20	-.63
Nov.	3.80	28.35	1.62	26.52	43	94	-2.18	-1.83
Dec.	3.45	24.55	*4.35	24.90	126	101	+.90	+.35
Jan.	3.05	21.10	*2.90	20.55	95	97	-.15	-.55
Feb.	2.64	18.05	3.00	17.65	114	98	+.36	-.40
Mar.	3.36	15.41	5.11	14.65	152	95	+1.75	-.76
Apr.	3.75	12.05	2.89	9.54	77	79	-.86	-2.51
May	4.16	8.30	2.71	6.65	65	80	-1.45	-1.65
June	4.14	4.14	3.94	3.94	95	95	-.20	-.20

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	1940-2009			2010 Monthly mean	Percent of median
	Maximum	Median	Minimum		
June (observed)	20,130 (2006)	3,284	1,214 (1965)	2,809	86
June (adjusted)	21,350 (2006)	3,961	1,024 (1962)	2,612	66
July (observed)	11,220 (1945)	2,504	864 (1954)		
July (adjusted)	11,470 (1945)	2,234	391 (1965)		