

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

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

Adjusted streamflow in the upper Delaware River Basin during November was in the normal range. The maximum daily mean discharge of 5,870 cfs was recorded on November 4. The minimum daily mean discharge was 2,990 cfs on November 24.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during November was 4,407 cfs, which is 93 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 6,134 cfs, or 96 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during November was 2.06 inches, which is 54 percent of the 67-year average. The maximum daily-average precipitation during the month was 0.61 inches on November 16. Precipitation in the upper Delaware River Basin during the past 12 months was 4.93 inches more than the long-term average. Precipitation during November was 1.76 inches less than the long-term average for the month.

Combined storage December 1, 2008 in Pepacton, Cannonsville, and Neversink Reservoirs was 83 percent of capacity above the point of maximum depletion. The combined storage of 224 billion gallons was nearly 35 billion gallons more than that of one month ago and 6.6 billion gallons more than that of one year ago. Median combined storage on the first day of December in 42 years of record is 181 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 November were below average in 16 of 20 observation wells. Water levels in 15 of the wells were above October 2008 levels, and water levels in 13 of the wells were below November 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 Nov. 2007		December 2007 to November 2008					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Dec.	3.38	43.85	5.33	48.78	158	111	+1.95	+4.93
Jan.	3.06	40.47	2.15	43.45	70	107	-.91	+2.98
Feb.	2.60	37.41	6.30	41.30	242	110	+3.70	+3.89
Mar.	3.33	34.81	6.52	35.00	196	101	+3.19	+1.19
Apr.	3.78	31.48	3.22	28.48	85	90	-.56	-3.00
May	4.15	27.70	2.80	25.26	67	91	-1.35	-2.44
June	4.10	23.55	*3.43	22.46	84	95	-.67	-1.09
July	4.07	19.45	5.48	19.03	135	98	+1.41	-.42
Aug.	3.91	15.38	2.24	13.55	57	88	-1.67	-1.83
Sept.	4.04	11.47	4.81	11.31	119	99	+.77	-.16
Oct.	3.61	7.43	4.44	6.50	123	87	+.83	-.93
Nov.	3.82	3.82	2.06	2.06	54	54	-1.76	-1.76

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		
November (observed)	13,010 (2003)	4,764	995 (1964)	4,407	93
November (adjusted)	16,160 (1972)	6,359	390 (1964)	6,134	96
December (observed)	18,830 (1996)	5,080	1,665 (1998)		
December (adjusted)	20,880 (1973)	6,754	1,624 (1998)		