

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

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

Adjusted streamflow in the upper Delaware River Basin during January was in the normal range. The maximum daily mean discharge of 12,100 cfs was recorded on January 1. The minimum daily mean discharge was 4,600 cfs on January 25 and 26.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during January was 6,699 cfs, which is 122 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 5,273 cfs, or 87 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during January was 2.52 inches, which is 83 percent of the 68-year average. The maximum daily-average precipitation during the month was 0.76 inches on January 29. Precipitation in the upper Delaware River Basin during the past 12 months was 7.21 inches more than the long-term average. Precipitation during January was 0.53 inches less than the long-term average for the month.

Combined storage February 1, 2009 in Pepacton, Cannonsville, and Neversink Reservoirs was 85 percent of capacity above the point of maximum depletion. The combined storage of 229 billion gallons was 41 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 February in 41 years of record is 225 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 January were above average in 11 of 20 observation wells. Water levels in 15 of the wells were above December 2008 levels, and water levels in 15 of the wells were below January 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 Jan. 2008		February 2008 to January 2009					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Feb.	2.60	43.87	6.30	51.08	242	106	+3.70	+7.21
Mar.	3.33	41.27	6.52	44.78	196	109	+3.19	+3.51
Apr.	3.78	37.94	3.22	38.26	85	101	-.56	+.32
May	4.15	34.16	2.80	35.04	67	103	-1.35	+.88
June	4.10	30.01	3.43	32.24	84	107	-.67	+2.23
July	4.07	25.91	6.00	28.81	147	111	+1.93	+2.90
Aug.	3.91	21.84	*2.49	22.81	64	104	-1.42	+.97
Sept.	4.04	17.93	*5.04	20.32	125	113	+1.00	+2.39
Oct.	3.61	13.89	4.44	15.28	123	110	+.83	+1.39
Nov.	3.82	10.28	2.06	10.84	54	105	-1.76	+.56
Dec.	3.41	6.46	6.26	8.78	184	136	+2.85	+2.32
Jan	3.05	3.05	2.52	2.52	83	83	-.53	-.53

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			2009 Monthly mean	Percent of median
	Maximum	Median	Minimum		
January (observed)	16,060 (2006)	5,472	1,318 (1981)	6,699	122
January (adjusted)	21,330 (1996)	6,074	1,064 (1981)	5,273	87
February (observed)	15,120 (1976)	5,295	1,748 (1980)		
February (adjusted)	20,330 (1981)	5,613	1,373 (1980)		