

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
February 2001**

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

Adjusted streamflow in the upper Delaware River Basin during February was in the normal range. The maximum daily discharge of 5,110 cfs occurred on February 16. The minimum daily discharge was 2,700 cfs on February 5 and 9.

On the basis of a 5-station average, precipitation during February was 2.26 inches, which was 85 percent of the 60-year average. The maximum daily-average precipitation during February was 0.61 inches on February 6. Precipitation in the upper Delaware River Basin during the past 12 months was 2.66 inches greater than the long-term average. Precipitation during February was 0.39 inches less than the long-term average for the month.

The monthly mean streamflow of the Delaware River at Montague, N.J. during February was 3,755 cfs (observed), which was 69 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs was 5,438 cfs, or 85 percent of median (water years 1961-90).

Combined storage March 1, 2001, in Pepacton, Cannonsville, and Neversink Reservoirs was 86.5 percent of capacity above the point of maximum depletion. The combined storage of 234 billion gallons was 6 billion gallons more than that of one month ago and was 13 billion gallons more than that of one year ago. Median storage on the first day of March in 33 years of record is 221 billion gallons.

As part of a statewide network, the USGS operates 13 observation wells in the Pennsylvania part of the Delaware River Basin. Mean water levels during February were below average in 9 of the wells. Water levels in all of the wells were trending upward in comparison to January levels. Water levels in 10 of the wells were above February 2000 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 Feb. 2000		March 2000 to February 2001					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Mar.	3.32	43.19	4.08	45.85	123	106	+0.76	+2.66
Apr.	3.76	39.87	4.81	41.77	128	105	+1.05	+1.90
May	4.17	36.11	6.36	36.96	153	102	+2.19	+0.85
June	3.91	31.94	6.50	30.60	166	96	+2.59	-1.34
July	4.09	28.03	4.24	24.10	104	86	+0.15	-3.93
Aug.	3.86	23.94	3.60	19.86	93	83	-0.26	-4.08
Sept.	3.83	20.08	3.53	16.26	92	81	-0.30	-3.82
Oct.	3.39	16.25	2.41	12.73	71	78	-0.98	-3.52
Nov.	3.85	12.86	2.50	10.32	65	80	-1.35	-2.54
Dec.	3.34	9.01	4.21	7.82	126	87	+0.87	-1.19
Jan.	3.02	5.67	1.35	3.61	45	64	-1.67	-2.06
Feb.	2.65	2.65	2.26	2.26	85	85	-0.39	-0.39

Note: Amount shown in cumulative columns is total from month shown to present.

### STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-99			2001 Monthly mean	Percent of median
	Maximum	Median	Minimum		
February (observed)	15,120 (1976)	5,468	1,748 (1980)	3,755	69
February (adjusted)	20,330 (1981)	5,613	1,373 (1980)	5,438	97
March (observed)	24,480 (1945)	9,152	3,191 (1981)		
March (adjusted)	25,910 (1945)	11,110	4,428 (1981)		

