

**SUMMARY OF HYDROLOGIC CONDITIONS
FOR THE
UPPER DELAWARE RIVER BASIN
December 2000**

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

Adjusted streamflow in the upper Delaware River Basin during December was excessive. The maximum daily discharge of 46,300 cfs occurred on December 18. The minimum daily discharge was 1,800 cfs on December 10.

On the basis of a 5-station average, precipitation during December was 4.20 inches, which was 126 percent of the 60-year average. The maximum daily-average precipitation during December was 1.55 inches on December 17. Precipitation in the upper Delaware River Basin during the past 12 months was 5.75 inches greater than the long-term average. Precipitation during December was 0.86 inches more than the long-term average for the month.

The monthly mean streamflow of the Delaware River at Montague, N.J. during December was 6,631 cfs (observed), which was 135 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs was 8,972 cfs, or 170 percent of median (water years 1961-90).

Combined storage January 1, 2001, in Pepacton, Cannonsville, and Neversink Reservoirs was 90.2 percent of capacity above the point of maximum depletion. The combined storage of 244 billion gallons was 24 billion gallons more than that of one month ago and was 59 billion gallons more than that of one year ago. Median storage on the first day of January in 33 years of record is 186 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 December were below average in 11 of the wells. Water levels in 10 of the wells were trending upward in comparison to November levels. Water levels in 10 of the wells were below December 1999 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 Dec. 1999		January 2000 to December 2000					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Jan.	3.02	43.18	3.44	48.93	114	113	+42	+5.75
Feb.	2.64	40.16	3.26	45.49	123	113	+62	+5.33
Mar.	3.32	37.52	4.08	42.23	123	113	+76	+4.71
Apr.	3.76	34.20	4.81	38.15	128	112	+1.05	+3.95
May	4.17	30.44	6.36	33.34	153	110	+2.19	+2.90
June	3.91	26.27	*6.50	26.98	166	103	+2.59	+71
July	4.09	22.36	4.24	20.48	104	92	+15	-1.88

Aug.	3.86	18.27	3.60	16.24	93	89	-.26	-2.03
Sept.	3.83	14.41	3.53	12.64	92	88	-.30	-1.77
Oct.	3.39	10.58	2.41	9.11	71	86	-.98	-1.47
Nov.	3.85	7.19	2.50	6.70	65	93	-1.35	-.49
Dec.	3.34	3.34	4.20	4.20	126	126	+.86	+.86

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

* Revised since previous month

STREAMFLOW, IN CFS							
DELAWARE RIVER AT MONTAGUE, N.J.							
Month	1940-99					Monthly mean	Percent of median
	Maximum	Median	Minimum				
December (observed)	18,830	1996	4,916	1,665	1998	6,631	135
December (adjusted)	20,880	1973	6,506	1,624	1998	8,972	138
January (observed)	15,600	1996	5,116	1,318	1981		
January (adjusted)	21,330	1996	5,939	1,064	1981		