

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

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 discharge of 4,130 cfs occurred on November 12. The minimum daily discharge was 1,700 cfs on November 7.

On the basis of a multi-station average, precipitation during November was 2.50 inches, which was 65 percent of the 59-year average. The maximum daily-average precipitation during November was 0.77 inches on November 10. Precipitation in the upper Delaware River Basin during the past 12 months was 3.53 inches greater than the long-term average. Precipitation during November was 1.35 inches less than the long-term average for the month.

The monthly mean streamflow of the Delaware River at Montague, N.J. during November was 2,508 cfs (observed), which was 54 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs was 3,179 cfs, or 60 percent of median (water years 1961-90).

Combined storage December 1, 2000, in Pepacton, Cannonsville, and Neversink Reservoirs was 81.5 percent of capacity above the point of maximum depletion. The combined storage of 221 billion gallons was 9 billion gallons less than that of one month ago and was 44 billion gallons more than that of one year ago. Median storage on the first day of December in 33 years of record is 167 billion gallons.

As part of a statewide network, the USGS operates 14 observation wells in the Pennsylvania part of the Delaware River Basin. Mean water levels during November were below average in 11 of the wells. Water levels in 12 of the wells were trending downward in comparison to October levels. Water levels in 12 of the wells were below November 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 Nov., 1999		December 1999 to November 2000					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Dec.	3.37	43.21	1.84	46.74	55	108	-1.53	+3.53
Jan.	3.02	39.84	3.44	44.90	114	113	+42	+5.06
Feb.	2.64	36.82	3.26	41.46	123	113	+62	+4.64
Mar.	3.32	34.18	4.08	38.20	123	112	+76	+4.02
Apr.	3.76	30.86	4.81	34.12	128	111	+1.05	+3.26

May	4.17	27.10	6.36	29.31	153	108	+2.19	+2.21
June	3.91	22.93	6.67	22.95	171	100	+2.76	+0.02
July	4.09	19.02	4.24	16.28	104	86	+1.15	-2.74
Aug.	3.86	14.93	3.60	12.04	93	81	-.26	-2.89
Sept.	3.83	11.07	3.53	8.44	92	76	-.30	-2.63
Oct.	3.39	7.24	2.41	4.91	71	68	-.98	-2.33
Nov.	3.85	3.85	2.50	2.50	65	65	-1.35	-1.35

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			2000	Percent of		
	Maximum	Median	Minimum	Monthly mean	median		
November (observed)	11,760	(1951)	4,642	995	(1964)	2,508	54
November (adjusted)	16,160	(1972)	6,100	390	(1964)	3,179	52
December (observed)	18,830	(1996)	4,916	1,665	(1998)		
December (adjusted)	20,880	(1973)	6,506	1,624	(1998)		