

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

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

Adjusted streamflow in the upper Delaware River basin during March was excessive. The maximum daily discharge of 27,500 cfs occurred on March 13. The minimum daily discharge was 5,990 cfs on March 26.

On the basis of a 5-station average, precipitation during March was 3.98 inches, which was 120 percent of the 59-year average. The maximum daily-average precipitation during March was 1.34 inches on March 12. Precipitation in the upper Delaware River Basin during the past 12 months was 3.32 inches less than the long-term average. Precipitation during March was 0.66 inches more than the long-term average for the month.

The monthly mean streamflow of the Delaware River at Montague, N.J. during March was 13,130 cfs (observed), which was 143 percent of the median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs was 15,900 cfs, or 136 percent of median (water years 1961-90).

Storage April 1, 2000, in Pepacton, Cannonsville and Neversink Reservoirs was 94.6 percent of capacity above the point of maximum depletion. The combined storage of 256 billion gallons was 35 billion gallons greater than that of one month ago and was 34 billion gallons more than that of one year ago. Median storage on the first day of April in 32 years of record is 255 billion gallons. Cannonsville Reservoir spilled continuously throughout the month and spilled more than 35 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 March were above average in 10 of the wells. Water levels in all observation wells were trending upward in comparison to February 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. 1999		March 1999 to February 2000					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Apr.	3.78	43.26	2.29	39.94	61	92	-1.49	-3.32
May	4.19	39.48	3.32	37.65	79	95	-.87	-1.83
June	3.94	35.29	2.28	34.33	58	97	-1.66	-.96
July	4.12	31.35	2.34	32.05	57	102	-1.78	+.70
Aug.	3.87	27.23	3.00	29.71	78	109	-.87	+2.48
Sept.	3.74	23.36	9.11	26.71	244	114	+5.37	+3.35
Oct.	3.40	19.62	2.72	17.60	80	90	-.68	-2.02

Nov.	3.87	16.22	2.98	14.88	77	92	-.89	-1.34
Dec.	3.37	12.35	1.63	11.90	48	96	-1.74	-.45
Jan.	3.02	8.98	3.22	10.27	107	114	+20	+1.29
Feb.	2.64	5.96	3.07	7.05	116	118	+43	+1.09
Mar.	3.32	3.32	3.98	3.98	120	120	+66	+66

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	1940-98					Monthly mean	Percent of median
	Maximum	Median	Minimum				
March (observed)	24,480	(1945)	9,168	3,191	(1981)	13,130	143
March (adjusted)	25,910	(1945)	11,220	4,428	(1981)	15,900	142
April (observed)	31,560	(1940)	11,670	3,322	(1985)		
April (adjusted)	33,010	(1940)	13,900	3,847	(1946)		