

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

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

Adjusted streamflow in the upper Delaware River basin during May was excessive. The maximum daily discharge of 27,900 cfs occurred on May 25. The minimum daily discharge was 3,840 cfs on May 7.

On the basis of a 5-station average, precipitation during May was 5.76 inches, which was 138 percent of the 59-year average. The maximum daily-average precipitation during May was 0.82 inches on May 24. Precipitation in the upper Delaware River Basin during the past 12 months was 1.48 inches greater than the long-term average. Precipitation during May was 1.59 inches more than the long-term average for the month.

The monthly mean streamflow of the Delaware River at Montague, N.J. during May was 10,570 cfs (observed), which was 151 percent of the median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs was 11,690 cfs, or 142 percent of median (water years 1961-90).

Storage June 1, 2000, in Pepacton, Cannonsville and Neversink Reservoirs was 100.8 percent of capacity above the point of maximum depletion. The combined storage of 273 billion gallons was 1.7 billion gallons greater than that of one month ago and was 22 billion gallons more than that of one year ago. Median storage on the first day of June in 33 years of record is 269 billion gallons. Cannonsville Reservoir spilled continuously throughout the month and spilled more than 26 billion gallons. Pepacton Reservoir spilled all days except May 9 and spilled nearly 13 billion gallons. Neversink Reservoir spilled from May 24 to May 28 and spilled 160 million 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 May were above average in 7 of the wells. Water levels in 12 of the wells were trending downward in comparison to April levels. Water levels in all 14 wells were above the May 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 May 1999		June 1999 to May 2000					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
June	3.94	43.22	2.28	44.70	58	103	-1.66	+1.48
July	4.12	39.28	2.34	42.42	57	108	-1.78	+3.14
Aug.	3.87	35.16	3.00	40.08	78	114	-.87	+4.92
Sept.	3.74	31.29	9.11	37.08	244	119	+5.37	+5.79

Oct.	3.40	27.55	2.72	27.97	80	102	-.68	+.42
Nov.	3.87	24.15	2.75	25.25	71	105	-1.12	+1.10
Dec.	3.37	20.28	*1.84	22.50	55	111	-1.53	+2.22
Jan.	3.02	16.91	3.22	20.66	107	122	+.20	+3.75
Feb.	2.64	13.89	3.07	17.44	116	126	+.43	+3.55
Mar.	3.32	11.25	3.98	14.37	120	128	+.66	+3.12
Apr.	3.76	7.93	4.63	10.39	123	131	+.87	+2.46
May	4.17	4.17	5.76	5.76	138	138	+1.59	+1.59

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					2000 Monthly mean	Percent of median
	Maximum	Median	Minimum				
May (observed)	16,090	(1943)	7,019	2,215	(1965)	10,570	151
May (adjusted)	18,970	(1989)	8,256	2,944	(1941)	11,690	142
June (observed)	15,200	(1972)	3,199	1,214	(1965)		
June (adjusted)	16,010	(1972)	3,948	1,024	(1962)		