

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

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

Adjusted streamflow in the upper Delaware River basin during January was within the normal range. The maximum daily discharge of 6,450 cfs occurred on January 12. The minimum daily discharge was 2,620 cfs on January 9. Streamflow was affected by ice during January 15-31.

On the basis of a 5-station average, precipitation during January was 3.22 inches, which was 107 percent of the 59-year average. The maximum daily-average precipitation during January was 0.80 inches on January 31. Precipitation in the upper Delaware River Basin during the past 12 months was 4.28 inches less than the long-term average. Precipitation during January was 0.20 inches more than the long-term average for the month.

The monthly mean streamflow of the Delaware River at Montague, N.J. during January was 3,540 cfs (observed), which was 71 percent of the median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs was 4,488 cfs, or 102 percent of median (water years 1961-90).

Storage February 1, 2000, in Pepacton, Cannonsville and Neversink Reservoirs was 69.2 percent of capacity above the point of maximum depletion. The combined storage of 187 billion gallons was 2 billion gallons greater than that of one month ago and was 24 billion gallons more than that of one year ago. Median storage on the first day of February in 32 years of record is 214 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 January were below average in 6 of the wells. Water levels in most observation wells were trending downward in comparison to December 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. 1998		February 1999 to January 2000					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Feb.	2.66	43.26	1.67	38.98	63	90	-.99	-4.28
Mar.	3.30	40.60	4.40	37.31	133	92	+1.10	-3.29
Apr.	3.78	37.30	2.29	32.91	61	88	-1.49	-4.39
May	4.19	33.52	3.32	30.62	79	91	-.87	-2.90
June	3.94	29.33	2.28	27.30	58	93	-1.66	-2.03
July	4.12	25.39	2.34	25.02	57	99	-1.78	-.37
Aug.	3.87	21.27	3.05	22.68	79	107	-.82	+1.41
Sept.	3.74	17.40	9.08	19.63	243	113	+5.34	+2.23
Oct.	3.40	13.66	2.72	10.55	80	77	-.68	-3.11

<b>Nov.</b>	<b>3.87</b>	<b>10.26</b>	<b>2.98</b>	<b>7.83</b>	<b>77</b>	<b>76</b>	<b>-.89</b>	<b>-2.43</b>
<b>Dec.</b>	<b>3.37</b>	<b>6.39</b>	<b>1.63</b>	<b>4.85</b>	<b>48</b>	<b>76</b>	<b>-1.74</b>	<b>-1.54</b>
<b>Jan.</b>	<b>3.02</b>	<b>3.02</b>	<b>3.22</b>	<b>3.22</b>	<b>107</b>	<b>107</b>	<b>+.20</b>	<b>+.20</b>

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

<b>STREAMFLOW, IN CFS</b>					
<b>DELAWARE RIVER AT MONTAGUE, N.J.</b>					
<b>Month</b>	<b>1940-98</b>			<b>Monthly mean</b>	<b>Percent of median</b>
	<b>Maximum</b>	<b>Median</b>	<b>Minimum</b>		
<b>January (observed)</b>	<b>15,600 (1996)</b>	<b>4,960</b>	<b>1,318 (1981)</b>	<b>3,540</b>	<b>71</b>
<b>January (adjusted)</b>	<b>21,330 (1996)</b>	<b>5,874</b>	<b>1,064 (1981)</b>	<b>4,488</b>	<b>76</b>
<b>February (observed)</b>	<b>15,120 (1976)</b>	<b>5,456</b>	<b>1,748 (1980)</b>		
<b>February (adjusted)</b>	<b>20,330 (1981)</b>	<b>5,610</b>	<b>1,373 (1980)</b>		