

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
January 2007**

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

Adjusted streamflow in the upper Delaware River Basin during January was excessive. The maximum daily mean discharge of 21,200 cfs was recorded on January 9. The minimum daily mean discharge was 4,820 cfs on January 28.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during January was 9,885 cfs, which is 193 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 10,950 cfs, or 180 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during January was 3.40 inches, which is 111 percent of the 66-year average. The maximum daily-average precipitation during the month was 0.90 inches on January 6. Precipitation in the upper Delaware River Basin during the past 12 months was 7.68 inches more than the long-term average. Precipitation during January was 0.35 inches more than the long-term average for the month.

Combined storage February 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 97 percent of capacity above the point of maximum depletion. The combined storage of 262 billion gallons was 8 billion gallons more than that of one month ago and 12 billion gallons less than that of one year ago. Median storage on the first day of February in 39 years of record is 223 billion gallons. Pepacton and Cannonsville Reservoirs spilled 1.1 and 5.6 billion gallons, respectively, in January.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during January were above average in 19 of 20 observation wells. Water levels in 17 of 20 wells were above December 2006 levels, and water levels in 11 of 20 wells were below January 2006 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 Jan. 2006		February 2006 to January 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Feb.	2.61	43.69	1.56	51.37	60	118	-1.05	+7.68
Mar.	3.36	41.08	1.32	49.81	39	121	-2.04	+8.73
Apr.	3.76	37.72	3.80	48.49	101	129	+0.04	+10.77
May	4.18	33.96	4.43	44.69	106	132	+0.25	+10.73
June	4.00	29.78	11.62	40.26	290	135	+7.62	+10.48
July	4.06	25.78	*3.12	28.64	77	111	-.94	+2.86
Aug.	3.89	21.72	*6.13	25.52	158	117	+2.24	+3.80
Sept.	4.04	17.83	4.90	19.39	121	109	+0.86	+1.56
Oct.	3.54	13.79	4.86	14.49	137	105	+1.32	+0.70
Nov.	3.80	10.25	4.31	9.63	113	94	+0.51	-.62
Dec.	3.40	6.45	1.92	5.32	56	82	-1.48	-1.13
Jan.	3.05	3.05	3.40	3.40	111	111	+0.35	+0.35

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

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
January (observed)	15,600 (1996)	5,116	1,318 (1981)	9,885	193
January (adjusted)	21,330 (1996)	5,939	1,064 (1981)	10,950	184
February (observed)	15,120 (1976)	5,295	1,748 (1980)		
February (adjusted)	20,330 (1981)	5,613	1,373 (1980)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
February 2007**

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

Adjusted streamflow in the upper Delaware River Basin during February was deficient. The maximum daily mean discharge of 5,000 cfs was recorded on February 1. The minimum daily mean discharge was 2,100 cfs on February 18.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during February was 3,374 cfs, which is 64 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 2,660 cfs, or 37 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during February was 2.96 inches, which is 114 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.30 inches on February 15. Precipitation in the upper Delaware River Basin during the past 12 months was 9.54 inches more than the long-term average. Precipitation during February was 0.37 inches more than the long-term average for the month.

Combined storage March 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 87 percent of capacity above the point of maximum depletion. The combined storage of 234 billion gallons was 28 billion gallons less than that of one month ago and 33 billion gallons less than that of one year ago. Median storage on the first day of March in 39 years of record is 224 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during February were below average in 11 of 20 observation wells. Water levels in 17 of 20 wells were below January 2007 levels, and water levels in 15 of 20 wells were below February 2006 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. 2006		March 2006 to February 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Mar.	3.36	43.67	1.32	53.21	39	122	-2.04	+9.54
Apr.	3.76	40.31	3.80	51.89	101	129	+0.04	+11.58
May	4.18	36.55	4.43	48.09	106	132	+0.25	+11.54
June	4.00	32.37	11.62	43.66	290	135	+7.62	+11.29
July	4.06	28.37	3.12	32.04	77	113	-.94	+3.67
Aug.	3.89	24.31	6.13	28.92	158	119	+2.24	+4.61
Sept.	4.04	20.42	*5.04	22.79	125	112	+1.00	+2.37
Oct.	3.54	16.38	*5.16	17.75	146	108	+1.62	+1.37
Nov.	3.80	12.84	4.31	12.59	113	98	+0.51	-.25
Dec.	3.40	9.04	1.92	8.28	56	92	-1.48	-.76
Jan.	3.05	5.64	3.40	6.36	111	113	+0.35	+0.72
Feb.	2.59	2.59	2.96	2.96	114	114	+0.37	+0.37

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

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
February (observed)	15,120 (1976)	5,295	1,748 (1980)	3,374	64
February (adjusted)	20,330 (1981)	5,613	1,373 (1980)	2,660	47
March (observed)	24,480 (1945)	9,152	3,191 (1981)		
March (adjusted)	25,910 (1945)	10,975	4,428 (1981)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
March 2007**

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 mean discharge of 34,000 cfs was recorded on March 28. The minimum daily mean discharge was 3,600 cfs on March 8.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during March was 12,600 cfs, which is 138 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 15,690 cfs, or 141 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during March was 3.61 inches, which is 108 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.32 inches on March 17. Precipitation in the upper Delaware River Basin during the past 12 months was 12.25 inches more than the long-term average. Precipitation during March was 0.28 inches more than the long-term average for the month.

Combined storage April 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 102 percent of capacity above the point of maximum depletion. The combined storage of 276 billion gallons was 41 billion gallons more than that of one month ago and 18 billion gallons more than that of one year ago. Median storage on the first day of April in 39 years of record is 258 billion gallons. Pepacton, Cannonsville, and Neversink Reservoirs spilled 5.0, 18.9, and 0.1 billion gallons, respectively, during March.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during March were below average in 12 of 20 observation wells. Water levels in 10 of 20 wells were above February 2007 levels, and water levels in 10 of 20 wells were above March 2006 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 Mar. 2006		April 2006 to March 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Apr.	3.76	43.64	3.80	55.89	101	128	+.04	+12.25
May	4.18	39.88	4.43	52.09	106	131	+.25	+12.21
June	4.00	35.70	11.62	47.66	290	134	+7.62	+11.96
July	4.06	31.70	3.12	36.04	77	114	-.94	+4.34
Aug.	3.89	27.64	6.13	32.92	158	119	+2.24	+5.28
Sept.	4.04	23.75	5.04	26.79	125	113	+1.00	+3.04
Oct.	3.54	19.71	5.16	21.75	146	110	+1.62	+2.04
Nov.	3.80	16.17	*4.70	16.59	124	103	+.90	+.42
Dec.	3.40	12.37	1.92	11.89	56	96	-1.48	-.48
Jan.	3.05	8.97	3.40	9.97	111	111	+.35	+1.00
Feb.	2.59	5.92	2.96	6.57	114	111	+.37	+.65
Mar.	3.33	3.33	3.61	3.61	108	108	+.28	+.28

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

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
March (observed)	24,480 (1945)	9,152	3,191 (1981)	12,600	138
March (adjusted)	25,910 (1945)	10,975	4,428 (1981)	15,690	143

STREAMFLOW, IN CFS  
DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
April (observed)	31,560 (1940)	11,385	3,322 (1985)		
April (adjusted)	33,010 (1940)	13,810	3,847 (1946)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
April 2007**

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

Adjusted streamflow in the upper Delaware River Basin during April was excessive. The maximum daily mean discharge of 56,800 cfs was recorded on April 16. The minimum daily mean discharge was 7,590 cfs on April 12.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during April was 17,860 cfs, which is 157 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 18,500 cfs, or 145 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during April was 5.37 inches, which is 143 percent of the 66-year average. The maximum daily-average precipitation during the month was 2.56 inches on April 16. Precipitation in the upper Delaware River Basin during the past 12 months was 13.82 inches more than the long-term average. Precipitation during April was 1.61 inches more than the long-term average for the month.

Combined storage May 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 100 percent of capacity above the point of maximum depletion. The combined storage of 271 billion gallons was 4 billion gallons less than that of one month ago and 0.4 billion gallons less than that of one year ago. Median storage on the first day of May in 39 years of record is 271 billion gallons. Pepacton, Cannonsville, and Neversink Reservoirs spilled 25.7, 31.2, and 10.5 billion gallons, respectively, during April.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during April were above average in 18 of 20 observation wells. Water levels in all of the wells were above March 2007 levels, and water levels in all of the wells were above April 2006 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 Apr. 2006		May 2006 to April 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
May	4.18	43.64	4.43	57.46	106	132	+ .25	+13.82
June	4.00	39.46	11.62	53.03	290	134	+7.62	+13.57
July	4.06	35.46	3.12	41.41	77	117	-.94	+5.95
Aug.	3.89	31.40	6.13	38.29	158	122	+2.24	+6.89
Sept.	4.04	27.51	5.04	32.16	125	117	+1.00	+4.65
Oct.	3.54	23.47	5.16	27.12	146	116	+1.62	+3.65
Nov.	3.80	19.93	4.70	21.96	124	110	+.90	+2.03
Dec.	3.40	16.13	1.92	17.26	56	107	-1.48	+1.13
Jan.	3.05	12.73	3.40	15.34	111	121	+.35	+2.61
Feb.	2.59	9.68	2.96	11.94	114	123	+.37	+2.26
Mar.	3.33	7.09	3.61	8.98	108	127	+.28	+1.89
Apr.	3.76	3.76	5.37	5.37	143	143	+1.61	+1.61

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

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
April (observed)	31,560 (1940)	11,385	3,322 (1985)	17,860	157
April (adjusted)	33,010 (1940)	13,810	3,847 (1946)	18,500	134
May (observed)	16,090 (1943)	6,910	2,215 (1965)		
May (adjusted)	18,970 (1989)	8,124	2,944 (1941)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
May 2007**

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

Adjusted streamflow in the upper Delaware River Basin during May was deficient. The maximum daily mean discharge of 8,620 cfs was recorded on May 1. The minimum daily mean discharge was 1,840 cfs on May 31.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during May was 3,595 cfs, which is 52 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 4,183 cfs, or 51 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during May was 1.40 inches, which is 33 percent of the 66-year average, and the second lowest total for May since record keeping began. The maximum daily-average precipitation during the month was 0.52 inches on May 11. Precipitation in the upper Delaware River Basin during the past 12 months was 10.99 inches more than the long-term average. Precipitation during May was 2.78 inches less than the long-term average for the month.

Combined storage June 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 97 percent of capacity above the point of maximum depletion. The combined storage of 263 billion gallons was 8 billion gallons less than that of one month ago and 9 billion gallons less than that of one year ago. Median storage on the first day of June in 40 years of record is 270 billion gallons. Pepacton and Cannonsville Reservoirs spilled 1.0 and 0.3 billion gallons, respectively, during May.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during May were above average in 14 of 20 observation wells. Water levels in 16 of the wells were below April 2007 levels, and water levels in 14 of the wells were above May 2006 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 2006		June 2006 to May 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
June	4.00	43.64	11.62	54.63	290	125	+7.62	+10.99
July	4.06	39.64	3.12	43.01	77	109	-.94	+3.37
Aug.	3.89	35.58	6.13	39.89	158	112	+2.24	+4.31
Sept.	4.04	31.69	5.04	33.76	125	107	+1.00	+2.07
Oct.	3.54	27.65	5.16	28.72	146	104	+1.62	+1.07
Nov.	3.80	24.11	4.70	23.56	124	98	+.90	-.55
Dec.	3.40	20.31	*2.12	18.86	62	93	-1.28	-1.45
Jan.	3.05	16.91	3.40	16.74	111	99	+.35	-.17
Feb.	2.59	13.86	2.96	13.34	114	96	+.37	-.52
Mar.	3.33	11.27	3.61	10.38	108	92	+.28	-.89
Apr.	3.76	7.94	5.37	6.77	143	85	+1.61	-1.17
May	4.18	4.18	1.40	1.40	33	33	-2.78	-2.78

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

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
May (observed)	16,090 (1943)	6,910	2,215 (1965)	3,595	52
May (adjusted)	18,970 (1989)	8,124	2,944 (1941)	4,183	51
June (observed)	15,200 (1972)	3,284	1,214 (1965)		
June (adjusted)	16,010 (1972)	3,961	1,024 (1962)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
June 2007**

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

Adjusted streamflow in the upper Delaware River Basin during June was in the normal range. The maximum daily mean discharge of 4,150 cfs was recorded on June 21. The minimum daily mean discharge was 1,740 cfs on June 25.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during June was 2,142 cfs, which is 65 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 2,141 cfs, or 54 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during June was 3.46 inches, which is 84 percent of the 66-year average. The maximum daily-average precipitation during the month was 0.65 inches on June 4. Precipitation in the upper Delaware River Basin during the past 12 months was 2.71 inches more than the long-term average. Precipitation during June was 0.66 inches less than the long-term average for the month.

Combined storage July 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 91 percent of capacity above the point of maximum depletion. The combined storage of 245 billion gallons was 18 billion gallons less than that of one month ago and 34 billion gallons less than that of one year ago. Median combined storage on the first day of July in 40 years of record is 257 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during June were above average in 10 of 20 observation wells. Water levels in all of the wells were below May 2007 levels, and water levels in 11 of the wells were below June 2006 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 June 2006		July 2006 to June 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
July	4.06	43.76	3.12	46.47	77	106	-.94	+2.71
Aug.	3.89	39.70	6.13	43.35	158	109	+2.24	+3.65
Sept.	4.04	35.81	5.04	37.22	125	104	+1.00	+1.41
Oct.	3.54	31.77	5.16	32.18	146	101	+1.62	+.41
Nov.	3.80	28.23	4.70	27.02	124	96	+.90	-1.21
Dec.	3.40	24.43	2.12	22.32	62	91	-1.28	-2.11
Jan.	3.05	21.03	3.40	20.20	111	96	+.35	-.83
Feb.	2.59	17.98	2.96	16.80	114	93	+.37	-1.18
Mar.	3.33	15.39	3.61	13.84	108	90	+.28	-1.55
Apr.	3.76	12.06	5.37	10.23	143	85	+1.61	-1.83
May	4.18	8.30	1.40	4.86	33	59	-2.78	-3.44
June	4.12	4.12	3.46	3.46	84	84	-.66	-.66

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

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
June (observed)	15,200 (1972)	3,284	1,214 (1965)	2,142	65
June (adjusted)	16,010 (1972)	3,961	1,024 (1962)	2,141	54
July (observed)	11,220 (1945)	2,442	864 (1954)		
July (adjusted)	11,470 (1945)	2,138	391 (1965)		

**SUMMARY OF HYDROLOGIC CONDITIONS**  
**IN THE**  
**UPPER DELAWARE RIVER BASIN**  
**July 2007**

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

Adjusted streamflow in the upper Delaware River Basin during July was in the normal range. The maximum daily mean discharge of 4,390 cfs was recorded on July 29. The minimum daily mean discharge was 1,260 cfs on July 22.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during July was 2,275 cfs, which is 93 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 1,842 cfs, or 86 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during July was 5.76 inches, which is 143 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.71 inches on July 24. Precipitation in the upper Delaware River Basin during the past 12 months was 5.89 inches more than the long-term average. Precipitation during July was 1.72 inches more than the long-term average for the month.

Combined storage August 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 80 percent of capacity above the point of maximum depletion. The combined storage of 217 billion gallons was 28 billion gallons less than that of one month ago and 45 billion gallons less than that of one year ago. Median combined storage on the first day of August in 40 years of record is 232 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during July were above average in 10 of 20 observation wells. Water levels in all of the wells were below June 2007 levels, and water levels in 15 of the wells were below July 2006 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 July 2006		August 2006 to July 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Aug.	3.89	43.74	6.13	49.63	158	113	+2.24	+5.89
Sept.	4.04	39.85	5.04	43.50	125	109	+1.00	+3.65
Oct.	3.54	35.81	5.16	38.46	146	107	+1.62	+2.65
Nov.	3.80	32.27	4.70	33.30	124	103	+.90	+1.03
Dec.	3.40	28.47	2.12	28.60	62	100	-1.28	+.13
Jan.	3.05	25.07	*3.92	26.48	129	106	+.87	+1.41
Feb.	2.59	22.02	2.96	22.56	114	102	+.37	+.54
Mar.	3.33	19.43	3.61	19.60	108	101	+.28	+.17
Apr.	3.76	16.10	5.37	15.99	143	99	+1.61	-.11
May	4.18	12.34	1.40	10.62	33	86	-2.78	-1.72
June	4.12	8.16	3.46	9.22	84	113	-.66	+1.06
July	4.04	4.04	5.76	5.76	143	143	+1.72	+1.72

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

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
July (observed)	11,220 (1945)	2,442	864 (1954)	2,275	93
July (adjusted)	11,470 (1945)	2,138	391 (1965)	1,842	86
August (observed)	14,230 (1955)	2,096	715 (1954)		
August (adjusted)	17,410 (1955)	1,380	364 (1964)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
August 2007**

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

Adjusted streamflow in the upper Delaware River Basin during August was in the normal range. The maximum daily mean discharge of 4,410 cfs was recorded on August 11. The minimum daily mean discharge was 1,780 cfs on August 31.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during August was 2,439 cfs, which is 116 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 2,087 cfs, or 132 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during August was 3.89 inches, which is 99 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.05 inches on August 10. Precipitation in the upper Delaware River Basin during the past 12 months was 3.83 inches more than the long-term average. Precipitation during August was 0.03 inches less than the long-term average for the month.

Combined storage September 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 70 percent of capacity above the point of maximum depletion. The combined storage of 191 billion gallons was 26 billion gallons less than that of one month ago and 57 billion gallons less than that of one year ago. Median combined storage on the first day of September in 40 years of record is 203 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during August were above average in 12 of 20 observation wells. Water levels in 16 of the wells were below July 2007 levels, and water levels in 12 of the wells were below August 2006 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 August 2006		September 2006 to August 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Sept.	4.04	43.77	5.04	47.60	125	109	+1.00	+3.83
Oct.	3.54	39.73	5.16	42.56	146	107	+1.62	+2.83
Nov.	3.80	36.19	4.70	37.40	124	103	+.90	+1.21
Dec.	3.40	32.39	2.12	32.70	62	101	-1.28	+.31
Jan.	3.05	28.99	3.92	30.58	129	105	+.87	+1.59
Feb.	2.59	25.94	*3.12	26.66	120	103	+.53	+.72
Mar.	3.33	23.35	*3.66	23.54	110	101	+.33	+.19
Apr.	3.76	20.02	5.37	19.88	143	99	+1.61	-.14
May	4.18	16.26	1.40	14.51	33	89	-2.78	-1.75
June	4.12	12.08	3.46	13.11	84	109	-.66	+1.03
July	4.04	7.96	5.76	9.65	143	121	+1.72	+1.69
Aug.	3.92	3.92	3.89	3.89	99	99	-.03	-.03

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

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
August (observed)	14,230 (1955)	2,096	715 (1954)	2,439	116
August (adjusted)	17,410 (1955)	1,380	364 (1964)	2,087	151
September (observed)	17,200 (2004)	2,016	892 (1941)		
September (adjusted)	18,310 (2004)	1,462	324 (1964)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
September 2007**

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

Adjusted streamflow in the upper Delaware River Basin during September was in the normal range. The maximum daily mean discharge of 2,440 cfs was recorded on September 13. The minimum daily mean discharge was 1,650 cfs on September 21.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during September was 1,856 cfs, which is 92 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 1,538 cfs, or 105 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during September was 2.34 inches, which is 58 percent of the 66-year average. The maximum daily-average precipitation during the month was 0.85 inches on September 12. Precipitation in the upper Delaware River Basin during the past 12 months was 1.11 inches more than the long-term average. Precipitation during September was 1.72 inches less than the long-term average for the month.

Combined storage October 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 62 percent of capacity above the point of maximum depletion. The combined storage of 168 billion gallons was 23 billion gallons less than that of one month ago and 79 billion gallons less than that of one year ago. Median combined storage on the first day of October in 40 years of record is 178 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during September were below average in 14 of 20 observation wells. Water levels in 19 of the wells were below August 2007 levels, and water levels in 19 of the wells were below September 2006 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 August 2006		October 2006 to September 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Oct.	3.54	43.79	5.16	44.90	146	103	+1.62	+1.11
Nov.	3.80	40.25	4.70	39.74	124	99	+.90	-.51
Dec.	3.40	36.45	2.12	35.04	62	96	-1.28	-1.41
Jan.	3.05	33.05	3.92	32.92	129	100	+.87	-.13
Feb.	2.59	30.00	3.12	29.00	120	97	+.53	-1.00
Mar.	3.33	27.41	3.66	25.88	110	94	+.33	-1.53
Apr.	3.76	24.08	5.37	22.22	143	92	+1.61	-1.86
May	4.18	20.32	1.40	16.85	33	83	-2.78	-3.47
June	4.12	16.14	3.46	15.45	84	96	-.66	-.69
July	4.04	12.02	5.76	11.99	143	100	+1.72	-.03
Aug.	3.92	7.98	3.89	6.23	99	78	-.03	-1.75
Sept.	4.06	4.06	2.34	2.34	58	58	-1.72	-1.72

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

\* Revised since last month.

## STREAMFLOW, IN CFS

DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
September (observed)	17,200 (2004)	2,016	892 (1941)	1,856	92
September (adjusted)	18,310 (2004)	1,462	324 (1964)	1,538	105
October (observed)	15,690 (1955)	2,390	807 (1941)		
October (adjusted)	18,570 (1955)	2,279	322 (1964)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
October 2007**

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

Adjusted streamflow in the upper Delaware River Basin during October was in the normal range. The maximum daily mean discharge of 16,500 cfs was recorded on October 28. The minimum daily mean discharge was 1,550 cfs on October 19.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during October was 3,602 cfs, which is 151 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 5,242 cfs, or 203 percent of median (water years 1971-2000).

On the basis of an 11-station average, precipitation during October was 7.01 inches, which is 197 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.58 inches on October 12. Precipitation in the upper Delaware River Basin during the past 12 months was 2.94 inches more than the long-term average. Precipitation during October was 3.45 inches more than the long-term average for the month.

Combined storage November 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 65 percent of capacity above the point of maximum depletion. The combined storage of 177 billion gallons was 9 billion gallons more than that of one month ago and 91 billion gallons less than that of one year ago. Median combined storage on the first day of November in 40 years of record is 161 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during October were below average in 17 of 20 observation wells. Water levels in 19 of the wells were below September 2007 levels, and water levels in all of the wells were below October 2006 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 October 2006		November 2006 to October 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Nov.	3.80	43.81	4.70	46.75	124	107	+90	+2.94
Dec.	3.40	40.01	2.12	42.05	62	105	-1.28	+2.04
Jan.	3.05	36.61	3.92	39.93	129	109	+87	+3.32
Feb.	2.59	33.56	3.12	36.01	120	107	+53	+2.45
Mar.	3.33	30.97	3.66	32.89	110	106	+33	+1.92
Apr.	3.76	27.64	5.37	29.23	143	106	+1.61	+1.59
May	4.18	23.88	1.40	23.86	33	100	-2.78	-.02
June	4.12	19.70	3.46	22.46	84	114	-.66	+2.76
July	4.04	15.58	5.76	19.00	143	122	+1.72	+3.42
Aug.	3.92	11.54	3.89	13.24	99	115	-.03	+1.70
Sept.	4.06	7.62	2.34	9.35	58	123	-1.72	+1.73
Oct.	3.56	3.56	7.01	7.01	197	197	+3.45	+3.45

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

## STREAMFLOW, IN CFS

DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2005			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
October (observed)	15,690 (1955)	2,390	807 (1941)	3,602	151
October (adjusted)	18,570 (1955)	2,279	322 (1964)	5,242	230
November (observed)	13,010 (2003)	4,642	995 (1964)		
November (adjusted)	16,160 (1972)	6,100	390 (1964)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
November 2007**

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

Adjusted streamflow in the upper Delaware River Basin during November was excessive. The maximum daily mean discharge of 19,800 cfs was recorded on November 16. The minimum daily mean discharge was 2,590 cfs on November 12.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during November was 6,833 cfs, which is 144 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 9,798 cfs, or 154 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during November was 4.15 inches, which is 109 percent of the 66-year average. The maximum daily-average precipitation during the month was 1.08 inches on November 15. Precipitation in the upper Delaware River Basin during the past 12 months was 2.38 inches more than the long-term average. Precipitation during November was 0.34 inches more than the long-term average for the month.

Combined storage December 1, 2007 in Pepacton, Cannonsville, and Neversink Reservoirs was 80 percent of capacity above the point of maximum depletion. The combined storage of 218 billion gallons was 40 billion gallons more than that of one month ago and 52 billion gallons less than that of one year ago. Median combined storage on the first day of December in 40 years of record is 179 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during November were above average in 10 of 20 observation wells. Water levels in 16 of the wells were above October 2007 levels, and water levels in all of the wells were below November 2006 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. 2006		December 2006 to November 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Dec.	3.40	43.82	2.12	46.20	62	105	-1.28	+2.38
Jan.	3.05	40.42	3.92	44.08	129	109	+.87	+3.66
Feb.	2.59	37.37	3.12	40.16	120	107	+.53	+2.79
Mar.	3.33	34.78	3.66	37.04	110	106	+.33	+2.26
Apr.	3.76	31.45	5.37	33.38	143	106	+1.61	+1.93
May	4.18	27.69	1.40	28.01	33	101	-2.78	+.32
June	4.12	23.51	3.46	26.61	84	113	-.66	+3.10
July	4.04	19.39	5.76	23.15	143	119	+1.72	+3.76
Aug.	3.92	15.35	3.89	17.39	99	113	-.03	+2.04
Sept.	4.06	11.43	2.34	13.50	58	118	-1.72	+2.07
Oct.	3.56	7.37	7.01	11.16	197	151	+3.45	+3.79
Nov.	3.81	3.81	4.15	4.15	109	109	+.34	+.34

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

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2006			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
November (observed)	13,010 (2003)	4,730	995 (1964)	6,833	144
November (adjusted)	16,160 (1972)	6,262	390 (1964)	9,798	156
December (observed)	18,830 (1996)	5,050	1,665 (1998)		
December (adjusted)	20,880 (1973)	6,772	1,624 (1998)		

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
December 2007**

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

Adjusted streamflow in the upper Delaware River Basin during December was in the normal range. The maximum daily mean discharge of 19,800 cfs was recorded on December 25. The minimum daily mean discharge was 4,710 cfs on December 10.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during December was 8,435 cfs, which is 167 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 10,640 cfs, or 172 percent of median (water years 1971-2000).

On the basis of a 5-station average, precipitation during December was 4.88 inches, which is 144 percent of the 67-year average. The maximum daily-average precipitation during the month was 0.78 inches on December 14. Precipitation in the upper Delaware River Basin during the past 12 months was 5.64 inches more than the long-term average. Precipitation during December was 1.50 inches more than the long-term average for the month.

Combined storage January 1, 2008 in Pepacton, Cannonsville, and Neversink Reservoirs was 92 percent of capacity above the point of maximum depletion. The combined storage of 250 billion gallons was 32 billion gallons more than that of one month ago and 5 billion gallons less than that of one year ago. Median combined storage on the first day of January in 40 years of record is 201 billion gallons.

As part of statewide networks, the USGS operates ground-water observation wells in the Pennsylvania and New Jersey parts of the Delaware River Basin. Mean water levels during December were above average in 11 of 20 observation wells. Water levels in 18 of the wells were above November 2007 levels, and water levels in 15 of the wells were below December 2006 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. 2006		January 2007 to December 2007					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
Jan.	3.05	43.80	3.92	49.44	129	113	+ .87	+5.64
Feb.	2.59	40.75	3.12	45.52	120	112	+ .53	+4.77
Mar.	3.33	38.16	3.66	42.40	110	111	+ .33	+4.24
Apr.	3.76	34.83	*5.57	38.74	148	111	+1.81	+3.91
May	4.18	31.07	*1.68	33.17	40	107	-2.50	+2.10
June	4.12	26.89	3.46	31.49	84	117	-.66	+4.60
July	4.04	22.77	5.76	28.03	143	123	+1.72	+5.26
Aug.	3.92	18.73	3.89	22.27	99	119	-.03	+3.54
Sept.	4.06	14.81	2.34	18.38	58	124	-1.72	+3.57
Oct.	3.56	10.75	7.01	16.04	197	149	+3.45	+5.29
Nov.	3.81	7.19	4.15	9.03	109	126	+ .34	+1.84
Dec.	3.38	3.38	4.88	4.88	144	144	+1.50	+1.50

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

\* Revised since last month.

## STREAMFLOW, IN CFS

DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2006			2007 Monthly mean	Percent of median
	Maximum	Median	Minimum		
December (observed)	18,830 (1996)	5,050	1,665 (1998)	8,435	167
December (adjusted)	20,880 (1973)	6,772	1,624 (1998)	10,640	157
January (observed)	16,060 (2006)	5,271	1,318 (1981)		
January (adjusted)	21,330 (1996)	6,004	1,064 (1981)		