

Historical Floods: Rockaway River at Boonton above Reservoir (Old Site), NJ

Latitude: 40.903

Period of Record: 1937-Present

Longitude: -74.41

Flood Stage: 5

Last Flood: 11/24/2011

Number of Floods: 87

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|------|---------------|------------|------------------|----------|------|
| 11/14/1937 | 5.13 | 1,900 | Minor | C1 | 4/3/1970 | 6.06 | 2,870 | Moderate | C1 |
| 1/25/1938 | 5.15 | 1,900 | Minor | C1 | 8/28/1971 | 6.28 | 3,550 | Moderate | C1 |
| 7/24/1938 | 5.43 | 2,120 | Minor | C1 | 6/1/1972 | 5.4 | 2,200 | Minor | C1 |
| 9/22/1938 | 5.55 | 2,260 | Minor | C1 | 6/23/1972 | 5.29 | 2,090 | Minor | C1 |
| 3/15/1940 | 5.76 | 2,390 | Minor | C1 | 11/9/1972 | 6.21 | 3,380 | Moderate | C1 |
| 11/9/1947 | 5.01 | 1,790 | Minor | C1 | 2/3/1973 | 6.5 | 4,100 | Moderate | C1 |
| 12/31/1948 | 6.3 | 3,590 | Moderate | C1 | 12/21/1973 | 6.59 | 4,300 | Moderate | C1 |
| 11/26/1950 | 5.07 | 1,990 | Minor | C1 | 7/25/1975 | 5.43 | 2,230 | Minor | C1 |
| 12/8/1950 | 5.06 | 1,980 | Minor | C1 | 1/28/1976 | 5.08 | 1,900 | Minor | C1 |
| 3/31/1951 | 5.59 | 2,460 | Minor | C1 | 7/1/1976 | 5.75 | 2,550 | Minor | C1 |
| 12/21/1951 | 5.07 | 1,990 | Minor | C1 | 3/23/1977 | 6.45 | 3,970 | Moderate | C1 |
| 3/12/1952 | 5.83 | 2,540 | Minor | C1 | 11/8/1977 | 5.02 | 1,810 | Minor | C1 |
| 6/2/1952 | 6.62 | 4,360 | Moderate | C1 | 3/27/1978 | 5.75 | 2,590 | Minor | C1 |
| 11/22/1952 | 5.28 | 2,050 | Minor | C1 | 1/8/1979 | 5.06 | 1,850 | Minor | C1 |
| 1/25/1953 | 5.1 | 1,890 | Minor | C1 | 1/25/1979 | 7.06 | 5,430 | Major | C1 |
| 8/19/1955 | 5.43 | 2,190 | Minor | C1 | 3/7/1979 | 5.14 | 1,920 | Minor | C1 |
| 10/16/1955 | 5.15 | 1,940 | Minor | C1 | 9/7/1979 | 5.42 | 2,200 | Minor | C1 |
| 12/21/1957 | 5.31 | 2,080 | Minor | C1 | 3/22/1980 | 5.81 | 2,670 | Minor | C1 |
| 3/13/1962 | 5.07 | 1,860 | Minor | C1 | 4/10/1980 | 5.32 | 2,100 | Minor | C1 |
| 5/29/1968 | 6.22 | 3,400 | Moderate | C1 | 4/29/1980 | 5.14 | 1,920 | Minor | C1 |

Drainage Area: 116 square miles

Gage Datum: 364.47 ft MSL

Data represent all historical events.
Passaic Basin

County of Gage: Morris
County of Forecast Point: Morris

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|------|---------------|------------|------------------|----------|------|
| 5/12/1981 | 5.26 | 2,040 | Minor | C1 | 8/13/2000 | 5.02 | 2,750 | Minor | C1 |
| 1/5/1982 | 5 | 1,780 | Minor | C1 | 1/29/2003 | 6.78 | 4,980 | Moderate | C1 |
| 3/19/1983 | 5.48 | 2,230 | Minor | C1 | 2/4/2003 | 6.33 | 5,914 | Moderate | C1 |
| 3/22/1983 | 5.03 | 1,800 | Minor | C1 | 3/29/2005 | 5.47 | 2,530 | Minor | C1 |
| 4/16/1983 | 6.11 | 3,030 | Moderate | C1 | 4/3/2005 | 6.33 | 3,640 | Moderate | C1 |
| 12/14/1983 | 5.52 | 2,270 | Minor | C1 | 10/9/2005 | 6.1 | 3,320 | Moderate | C1 |
| 4/5/1984 | 7.23 | 5,590 | Major | C1 | 4/16/2007 | 6.69 | 4,170 | Moderate | C1 |
| 5/30/1984 | 5.59 | 2,350 | Minor | C1 | 2/14/2008 | 5.46 | 2,510 | Minor | C1 |
| 7/7/1984 | 5.94 | 2,770 | Minor | C1 | 3/9/2008 | 5.41 | 2,460 | Minor | C1 |
| 4/17/1986 | 5.06 | 1,830 | Minor | C1 | 12/12/2008 | 5.42 | 2,470 | Minor | C1 |
| 4/5/1987 | 5.74 | 2,530 | Minor | C1 | 12/27/2009 | 5.13 | 2,140 | Minor | C1 |
| 5/6/1989 | 5.27 | 2,020 | Minor | C1 | 1/26/2010 | 5.14 | 2,160 | Minor | C1 |
| 5/17/1989 | 5.59 | 2,350 | Minor | C1 | 3/14/2010 | 6.81 | 4,350 | Moderate | C1 |
| 10/21/1989 | 5.11 | 2,010 | Minor | C1 | 3/23/2010 | 5.38 | 2,420 | Minor | C1 |
| 5/17/1990 | 6.09 | 3,350 | Moderate | C1 | 3/31/2010 | 5.53 | 2,600 | Minor | C1 |
| 6/6/1992 | 5.38 | 2,310 | Minor | C1 | 10/1/2010 | 5.33 | 2,370 | Minor | C1 |
| 1/20/1996 | 5.2 | 2,110 | Minor | C1 | 3/7/2011 | 6.32 | 3,620 | Moderate | C1 |
| 1/28/1996 | 5.65 | 2,660 | Minor | C1 | 3/11/2011 | 7.03 | 4,700 | Major | C1 |
| 10/20/1996 | 5.92 | 3,070 | Minor | C1 | 4/17/2011 | 6.23 | 3,500 | Moderate | C1 |
| 12/2/1996 | 5.23 | 2,140 | Minor | C1 | 5/19/2011 | 5.51 | 2,570 | Minor | C1 |
| 6/14/1998 | 5.33 | 2,720 | Minor | C1 | 8/28/2011 | 9.31 | 8,210 | Major | C1 |
| 3/22/1999 | 5.2 | 2,110 | Minor | C1 | 9/7/2011 | 5.13 | 2,140 | Minor | C1 |
| 9/17/1999 | 6.26 | 4,270 | Moderate | C1 | 9/8/2011 | 5.49 | 2,550 | Minor | C1 |

Drainage Area: 116 square miles
Gage Datum: 364.47 ft MSL

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Passaic Basin

County of Gage: Morris
County of Forecast Point: Morris

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|------|---------------|------------|------------------|----------|------|
|---------------|------------|------------------|----------|------|---------------|------------|------------------|----------|------|

| | | | | | | | | | |
|------------|------|-------|-------|----|--|--|--|--|--|
| 11/24/2011 | 5.09 | 1,420 | Minor | C1 | | | | | |
|------------|------|-------|-------|----|--|--|--|--|--|

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects.
- C8 Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C9 Crest date (day) in the month is unknown.

- F1 Flow is an estimate.
- F2 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F3 Flow effected by snow-melt, ice jam or debris jam break up.
- F4 Flow affected by dam failure.
- F5 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.

- G1 Gage height at a different site and/or datum.
- G2 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G3 Gage datum changed during this year.

- none No code; Good Data

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