

RAINFALL-RUNOFF DATA FOR SOMERSET COUNTY, NEW JERSEY

By James B. Campbell

U.S. GEOLOGICAL SURVEY

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DEPARTMENT OF THE INTERIOR
DONALD PAUL HODEL, Secretary

U.S. GEOLOGICAL SURVEY
Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey, WRD
Mountain View Office Park
Suite 206
810 Bear Tavern Road
West Trenton, New Jersey 08628

Copies of this report can be
purchased from:

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CONVERSION FACTORS AND ABBREVIATIONS

For the convenience of readers who may prefer to use metric (International System) units rather than the inch-pound units in this report, values may be converted using the following factors:

<u>Multiply Inch-Pound Unit</u>	<u>By</u>	<u>To Obtain Metric Unit</u>
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi ²)	2.590	square kilometer (km ²)
cubic foot per second (ft ³ /s)	<u>0.3048</u>	meter per second (m ³ /s)

Sea Level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level of 1929".

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ABSTRACT

Rainfall-runoff data are presented for eight selected drainage basins in Somerset County, New Jersey, for the 1980 through 1984 water years. In order to improve the existing methods for estimating flood-frequency and magnitude throughout the county, and to assist the county in their flood-monitoring efforts by providing real-time data, rainfall-runoff data were collected and a data base was created. The rainfall-runoff data were recorded at 5-minute intervals and were stored in the U.S. Geological Survey, New Jersey District computer. Rainfall data were collected at two sites within each drainage basin in order to improve areal coverage and data continuity. Data from eight rainfall-runoff gaging stations and eight auxiliary rainfall gages are summarized in this report. Rainfall and runoff data for selected storms also are summarized.

INTRODUCTION

Flooding of small streams is a problem within Somerset County, and, with continued urbanization, the problem is becoming more critical. According to Harris and Rantz (1964), as a rural area is developed, two notable results are that the depth of flooding tends to increase and that lag time is reduced. Therefore, it is reasonable to assume that if urbanization continues, floods of greater magnitude can be expected to occur in Somerset County.

The floods in 1971, 1973, and 1975 caused considerable damage in Somerset County, and county officials wanted improved flood monitoring capabilities on small streams. The county officials also felt that the existing methods for estimating flood frequency and magnitude were inaccurate in areas of the county. Therefore, a project was undertaken by the U.S. Geological Survey in 1978, to establish a network of gaging stations for the collection of rainfall-runoff data to enhance flood monitoring and flood-frequency estimating techniques.

The project has two phases. The first phase is to set up and maintain a network of eight rainfall-runoff gaging stations and eight auxiliary rainfall gages. The auxiliary gages are located in the drainage basins about two-thirds of the way upstream from the gaging station. The second phase is to develop an improved method of estimating the magnitude and frequency of floods by creating extended synthetic flood records. This is done by combining existing long-term peakflow data and simulated long-term peakflow data. Simulated peakflow data were created for the eight selected drainage basins by applying a distributed routing rainfall-runoff model.

Somerset County, which is in north-central New Jersey has an area of 307 mi² (square miles)(Kirkham, 1976). Throughout this report, Somerset County and "study area" are used synonymously. The study area is in a region of the United States that is generally called the "humid east"--a zone receiving 40 to 50 inches of rain per year under normal weather conditions (McMurray, 1958).

The 1980-84 rainfall-runoff data will be used in the second phase of the project to develop a method for estimating flood-magnitude and frequency throughout the county. The rainfall-runoff data will assist the county's flood-monitoring efforts by providing real-time data over the telephone.

Purpose and Scope

The purpose of this report is to present the basic data collected from the network of eight rainfall-runoff gaging stations and eight auxiliary rainfall gages for the 1980-84 water years. All data are presented by water year, defined as the 12-month period from October 1 through September 30. Daily rainfall and runoff data are presented through September 30, 1984.

All the stations in the gaging-station network are located in Somerset County. The gaging stations name and number are: Holland Brook at Readington (01398107), North Branch Raritan River near Far Hills (01398500), Peters Brook near Raritan (01400300), Pike Run at Belle Mead (01401650), Royce Brook tributary near Belle Mead (01402600), West Branch Middle Brook near Martinsville (01403150), Green Brook at Seeley Mills (01403400), and East Branch Stony Brook at Best lake at Watchung (01403535) (fig. 1).

Acknowledgments

Valuable assistance was provided by the Somerset County Engineering Department who constructed the streamflow-gaging stations. Benchmark elevations and descriptions also were supplied by the county.

PHYSIOGRAPHY, GEOLOGY, AND SOILS

Somerset County lies within two physiographic provinces (Fenneman, 1938). Most of the county is within the Piedmont province (fig. 2) and is underlain by conglomerate, sandstone, shale, and diabase of the Triassic Newark Group. Three mountains in the Piedmont province lie within the study area. The First and Second Watchung Mountains are in the northeastern part of the study area and Sourland Mountain is in the southwestern part. In general, the Piedmont province consists of gently rounded hills separated by wide valleys. The province ranges from about 50 to 400 feet above sea level in the county (Tobiasen, 1978).

A much smaller part of the county lies within the New England province (an area north of Bernardsville and Far Hills). This area consists of gently to steeply sloping uplands that are underlain by highly resistant Precambrian igneous and metamorphic rocks. The valleys are underlain by less resistant Paleozoic limestone. The New England province consists of broad, rounded or flat-topped ridges that rise 400 to 600 feet above the lowlands of the Piedmont province to the south.

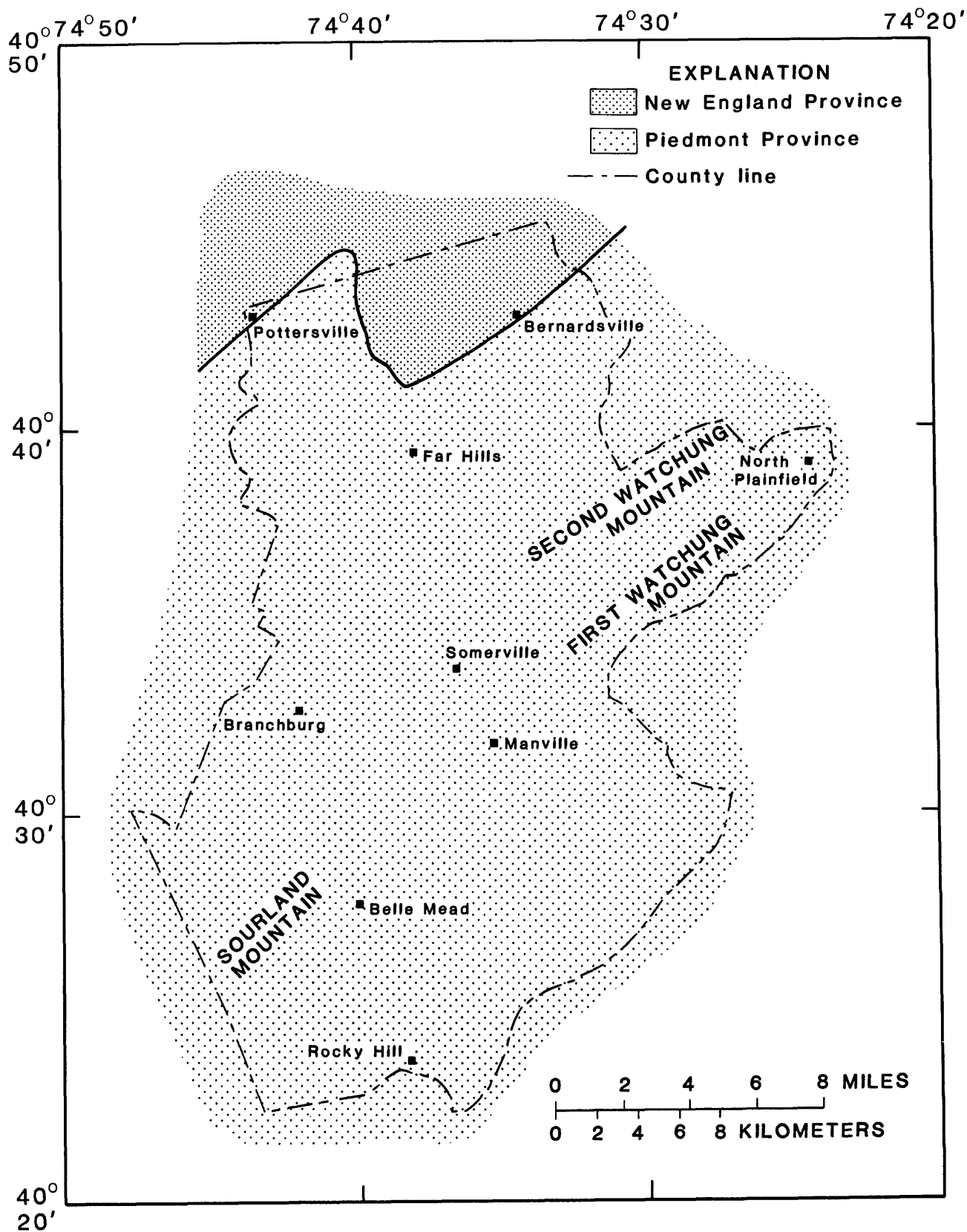


Figure 2.--Physiographic provinces in Somerset County.

Generally speaking, the soils of Somerset County are derived from red shale and sandstones. Detailed descriptions of the soils in the county can be found in Kirkham (1976).

HYDROLOGY

Almost all of Somerset County (88 percent) lies within the Raritan River basin. The Raritan River is the largest river entirely within New Jersey, draining a total of approximately 1,109 mi². The Raritan River drainage system in New Jersey consists of the mainstem and five major tributaries:

Drainage area, in square miles

Raritan (mainstem)	175 mi ²
South River	133 mi ²
Lawrence Brook	45 mi ²
Millstone River	287 mi ²
North Branch Raritan River	190 mi ²
South Branch Raritan River	279 mi ²

Located within Somerset County are parts of four of the above major drainage basins: Raritan River (mainstem), 77 mi²; Millstone River, 100 mi²; and North Branch Raritan River, 64 mi²; and South Branch Raritan River, 26 mi² (fig. 3).

The northeastern section of the county lies within the Passaic River basin. The Passaic River drains about 950 mi², of which less than 4 percent is located within the county.

DRAINAGE BASINS SELECTED FOR MODELING

The drainage basins were selected to meet the objectives of the project, their selection was based partially or wholly on the following criteria:

1. The drainage area of a basin had to be less than 10 mi² to be suitable for rainfall-runoff modeling (Dawdy and others, 1978).
2. The drainage basin had to have a history of known flooding problems.
3. The drainage basins had to be evenly distributed over the entire county.
4. Land development had to remain stable during the study and be typical of the different types of development in the study area.

Holland Brook at Readington (01398107)

The drainage area of the basin upstream from the gage is 9.00 mi². The gaging station is 0.9 miles southeast of Readington (fig. 4). The station is on the right bank, 15 feet downstream from the bridge on Old York Road. From the gage, the stream drains southeastward 2.5 miles to the South Branch Raritan River at South Branch. The northwestern border of the

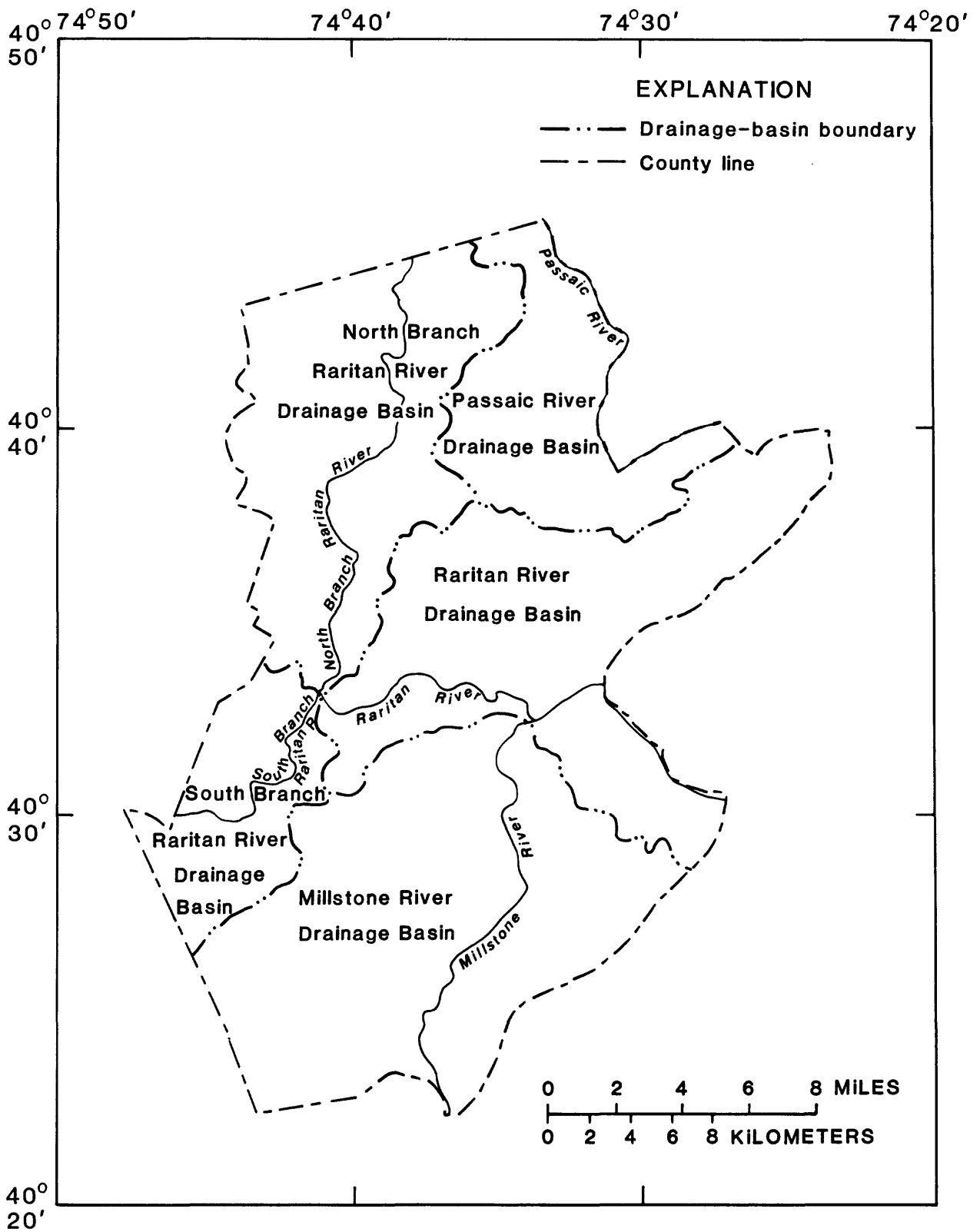


Figure 3.--Major drainage basins in Somerset County.

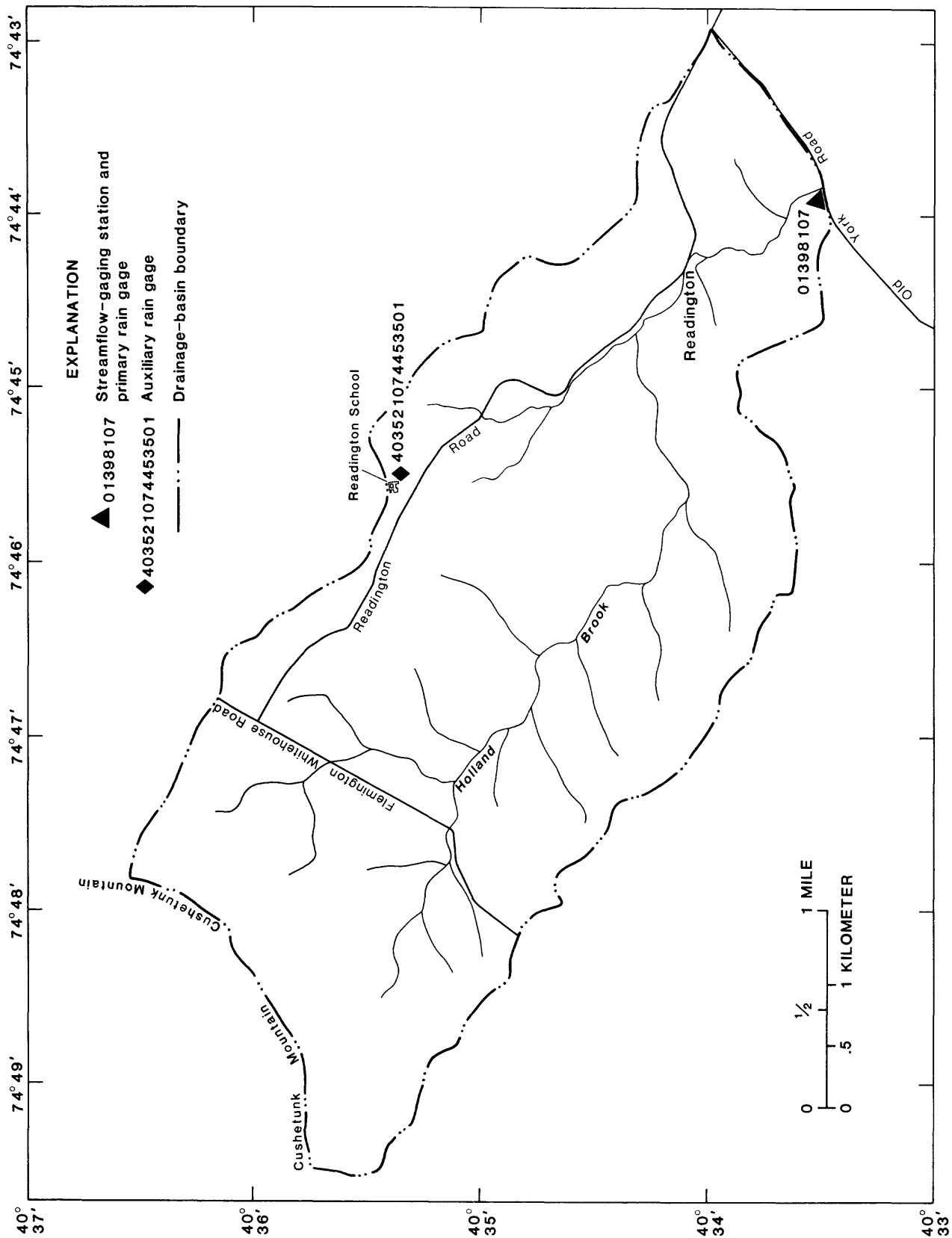


Figure 4.--Location of data-collection sites in the Holland Brook at Readington drainage basin.

drainage basin is formed by the Cushetunk Mountain (fig. 4). Land use is predominantly agricultural; however, single-unit homes are situated between the stream-gaging station and the village of Readington.

North Branch Raritan River near Far Hills (01398500)

The drainage area of the basin upstream from the gage is 26.2 mi². The gaging station is 1.6 miles north of Far Hills (fig. 1). The station is on the left bank, 75 feet upstream from Ravine Lake Dam (fig. 5). Ravine Lake is a 37 acre lake created by a masonry dam. The stream drains southward to its confluence with the South Branch Raritan River at South Branch, forming the Raritan River. Land use is predominantly rural; commercial and residential development of high density is mostly in Mendham.

Peters Brook near Raritan (01400300)

The drainage area of the basin upstream from the gage is 4.19 mi². The gaging station is 1.5 miles north of Raritan (fig. 1). The station is on the left bank, 12 feet upstream from the bridge on Garretson Road (fig. 6). From the gage, the stream drains southward 2.5 miles to the confluence with the Raritan River at Somerville. Land use consists of single-unit homes of moderate density, a golf course and some office complexes. Two major highways run parallel with the principal direction of drainage and cross stream tributaries in several places. Interstate Route 287 and U.S. Routes 202 and 206 contribute significantly to the amount of impervious land surface in the drainage basin. The northeastern drainage divide of the watershed is the First Watchung Mountain.

Pike Run at Belle Mead (01401650)

The drainage area of the basin upstream from the gage is 5.36 mi². The gaging station is 0.7 mile east of Belle Mead (fig. 7). The station is on the right bank, 20 feet upstream from Township Line Road. The stream drains southeastward 3.9 miles to Beden Brook near Rocky Hill. Land use is agricultural except for the drainage area affected by the Belle Mead Depot and U.S. Route 206 both of which, contribute significantly to impervious cover. The western border of the watershed is formed by Sourland Mountain.

Royce Brook tributary near Belle Mead (01402600)

The drainage area of the basin upstream from the gage is 1.2 mi². The gaging station is 2.0 miles north of Belle Mead (fig. 1). The station is on the right bank, 25 feet upstream from the bridge on State Highway 514 (Amwell Road) (fig. 8). From the gage, the stream drains southward 1,200 feet to its mouth at Royce Brook near Belle Mead. Land use is mainly moderate- to high-density residential homes, but also includes two high-rise commercial complexes centrally located in the drainage basin. This stream has been regulated by a storm-water detention basin 540 feet upstream from the streamflow-gaging station since 1980.

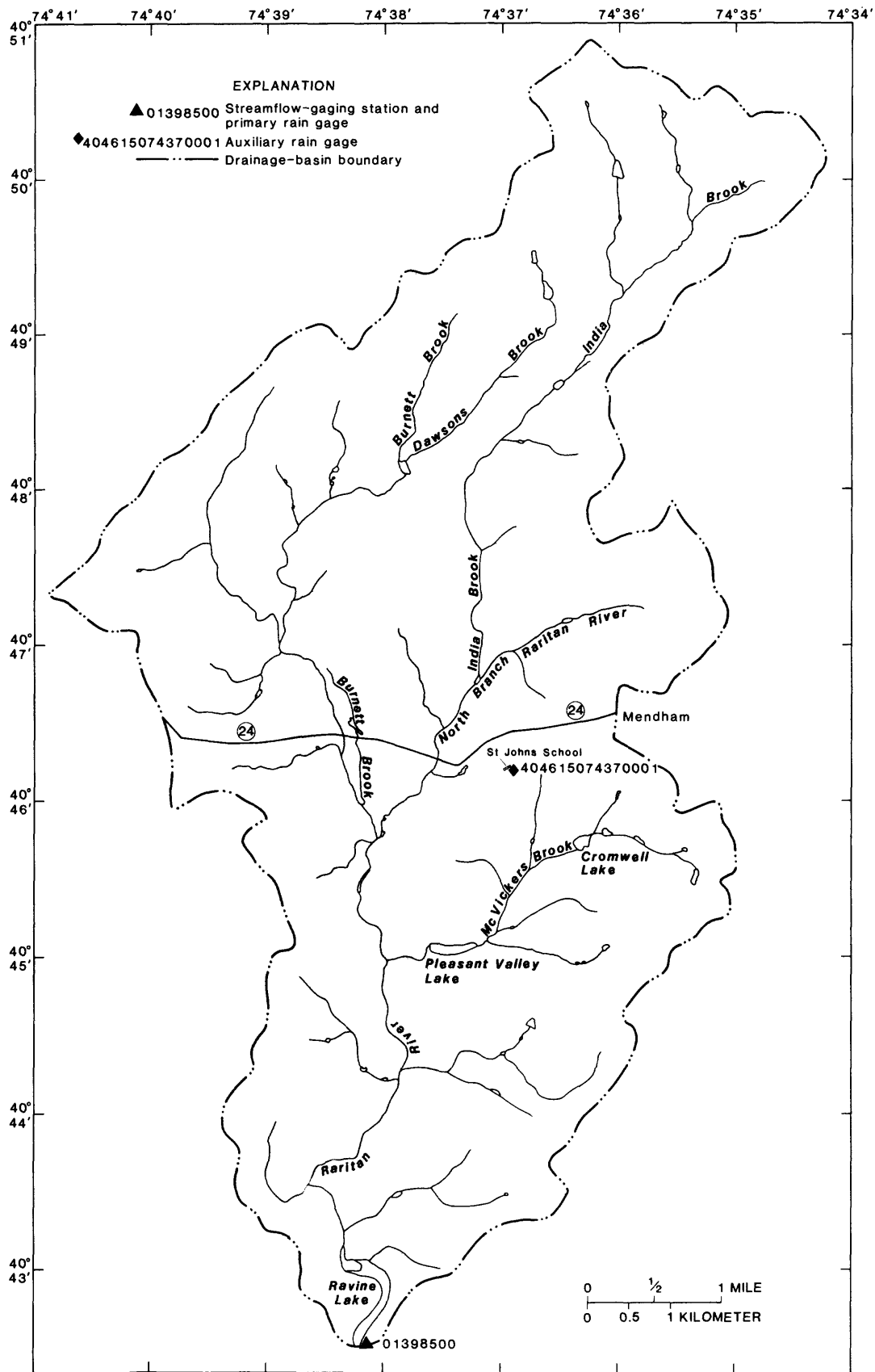


Figure 5.--Location of data-collection sites in the North Branch Raritan River near Far Hills drainage basin.

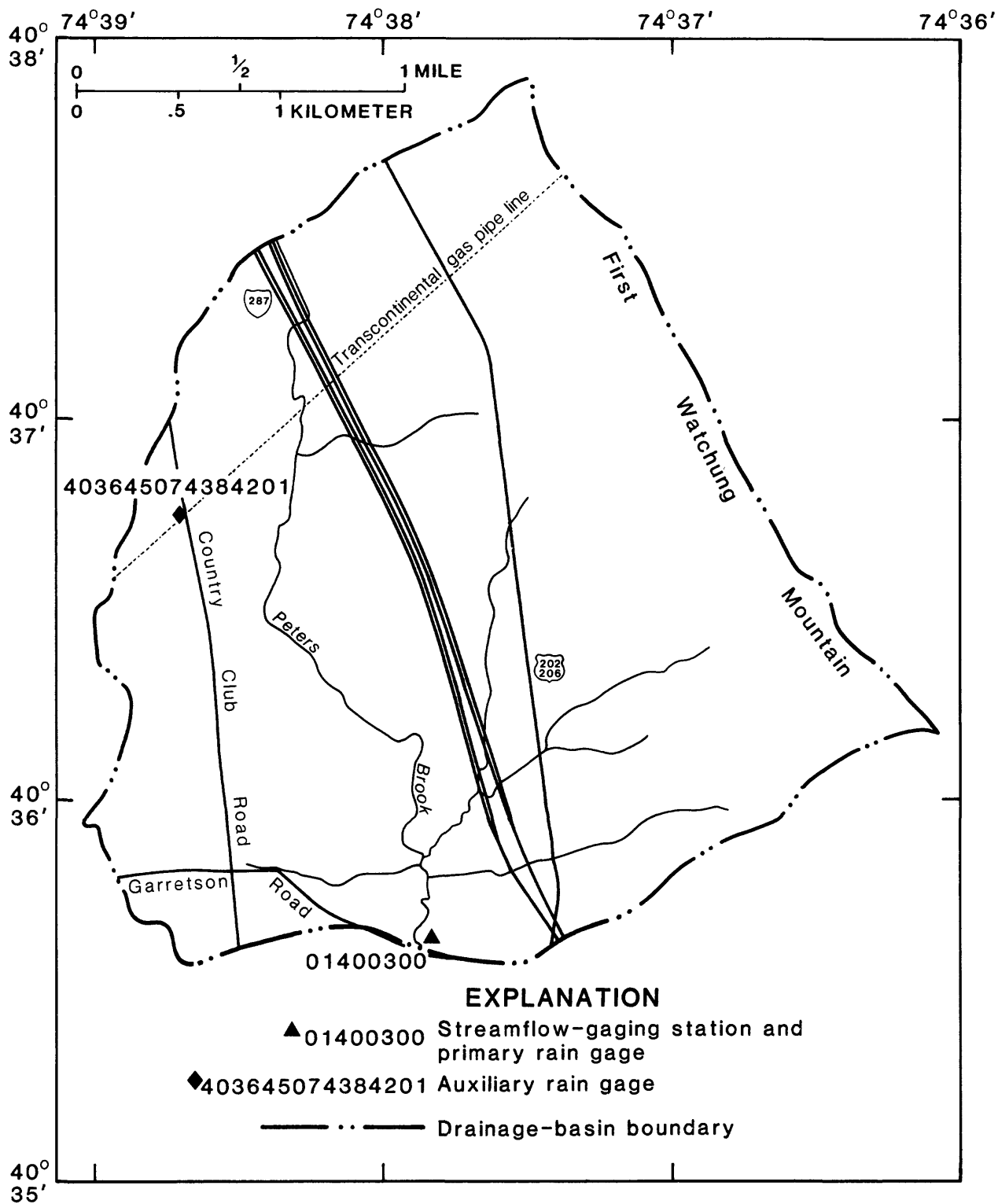


Figure 6.--Location of data-collection sites in the Peters Brook near Raritan drainage basin.

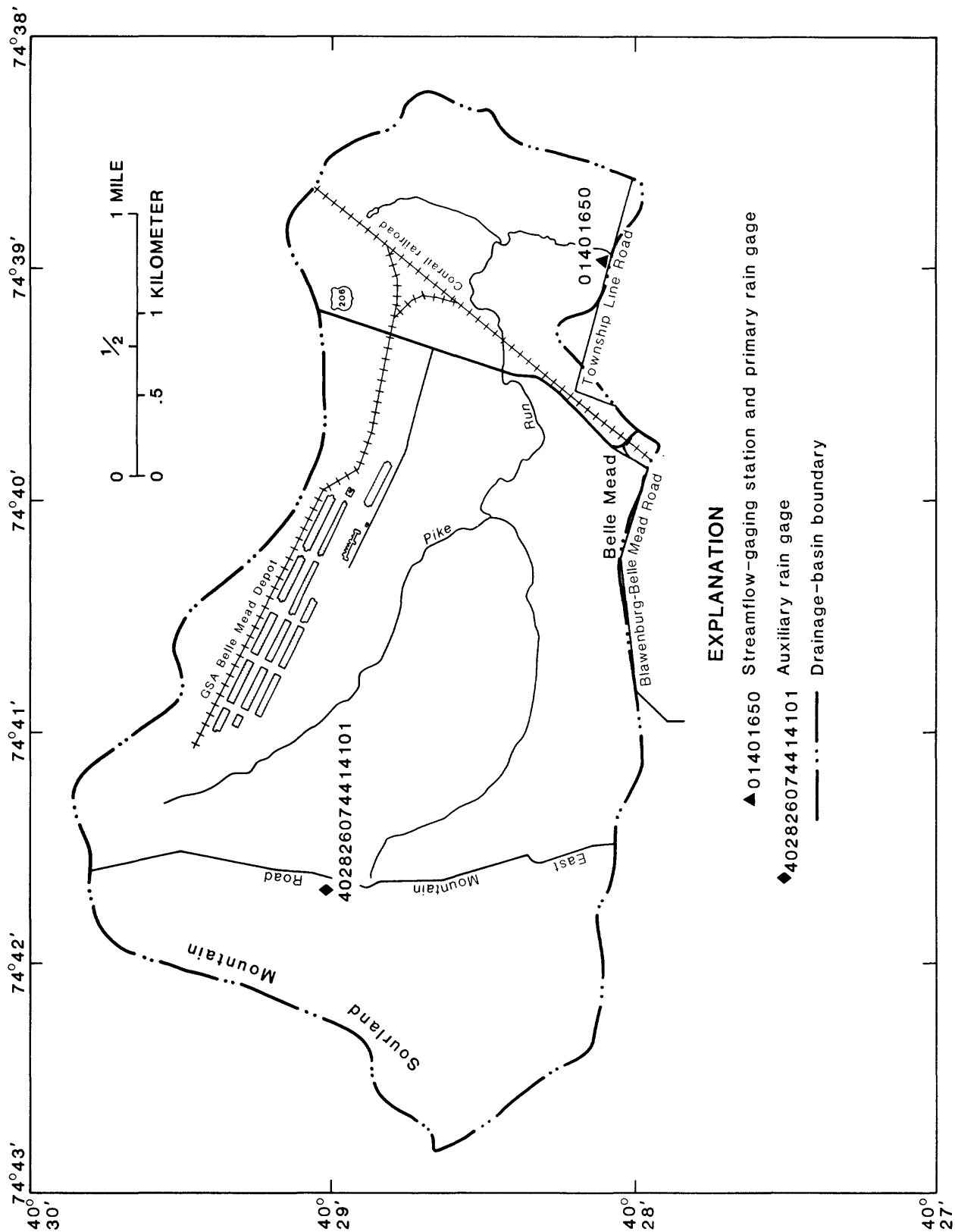


Figure 7.--Location of data-collection sites in the Pike Run at Belle Mead drainage basin.

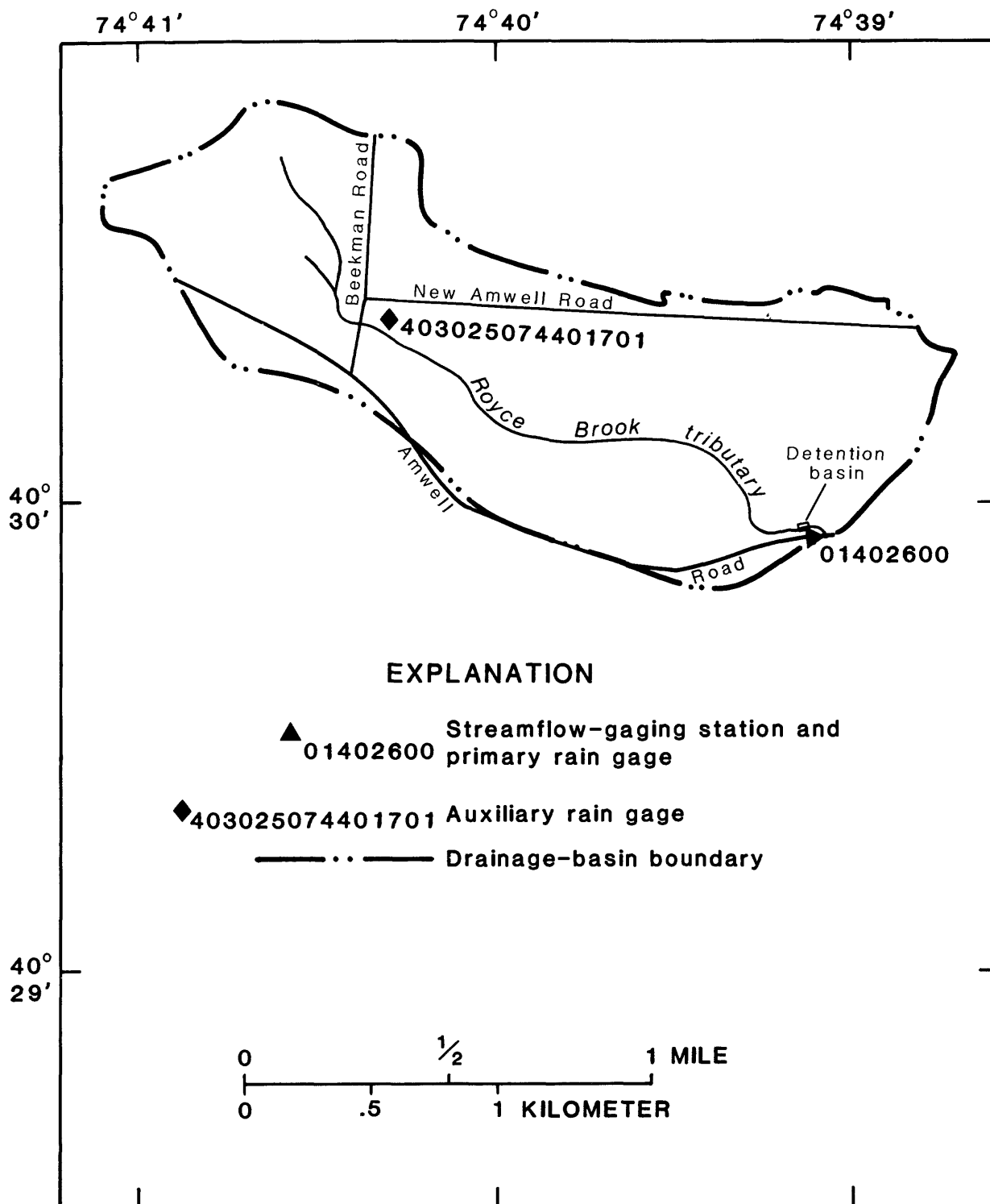


Figure 8.--Location of data-collection sites in the Royce Brook tributary near Belle Mead drainage basin.

West Branch Middle Brook near Martinsville (01403150)

The drainage area of the basin upstream from the gage is 1.99 mi². The gaging station is 1.4 miles northwest of Martinsville (fig. 1). The station is on the left bank, 150 feet upstream from the bridge on Crim Road (fig. 9). From the gage, the stream drains southeastward 1.8 miles to the confluence with the East Branch Middle Brook forming Middle Brook. Land use is predominantly single-unit homes of moderate density, and woodlands. The First Watchung Mountain forms the southwestern drainage divide of the basin and the Second Watchung Mountain forms most of the northeastern drainage divide.

Green Brook at Seeley Mills (01403400)

The drainage area of the basin upstream from the gage is 6.23 mi². The gaging station is 0.5 mile northwest of Scotch Plains (fig. 1). The station is on the right bank, 300 feet downstream from the bridge on Diamond Hill Road (fig. 10). The mainstem, downstream from the gage, drains eastward through the First Watchung Mountain to Bound Brook near Middlesex. The drainage basin is divided into two separate regions, drained by Blue Brook and Green Brook. Blue Brook drains through the Watchung Reservation, an area of undeveloped park land. Within the Watchung Reservation, Blue Brook drains through Lake Surprise and Seeleys Pond. Green Brook drains through high-density residential and commercial areas.

East Branch Stony Brook at Best Lake at Watchung (01403535)

The drainage area of the basin upstream from the gage is 1.57 mi². The gaging station is 2,700 feet northeast of Watchung (fig. 1). The station is on the right bank, 700 feet upstream from the dam on Best Lake, a 5-acre lake created by a masonry dam (fig. 11). The stream drains southwestward 2,400 feet from the gage to Stony Brook. Land use is single-unit homes of moderate density, and woodlands. The drainage basin lies between the First and Second Watchung Mountains.

SITE IDENTIFICATION

The data collected at individual drainage basins are presented in downstream order in the section "Data Tables" at the end of this report. Each streamflow-gaging station is identified by a U.S. Geological Survey station number. This number contains a two-digit prefix number, "01", which represents streams in the North Atlantic Slope Basin, followed by a six-digit downstream order number. A complete description of downstream order and station numbers is given in Bauersfeld and others (1985). Rain gages located at stream-gaging stations use the same 8-digit number, whereas auxiliary rain gages are identified by 15-digit station numbers based on latitude and longitude.

COLLECTION AND COMPILATION OF DATA

Discharge and rainfall data at individual gages in the study area are given in the section "Data Tables." Unit-rainfall and unit-discharge data are available upon request from the U.S. Geological Survey, New Jersey District office.

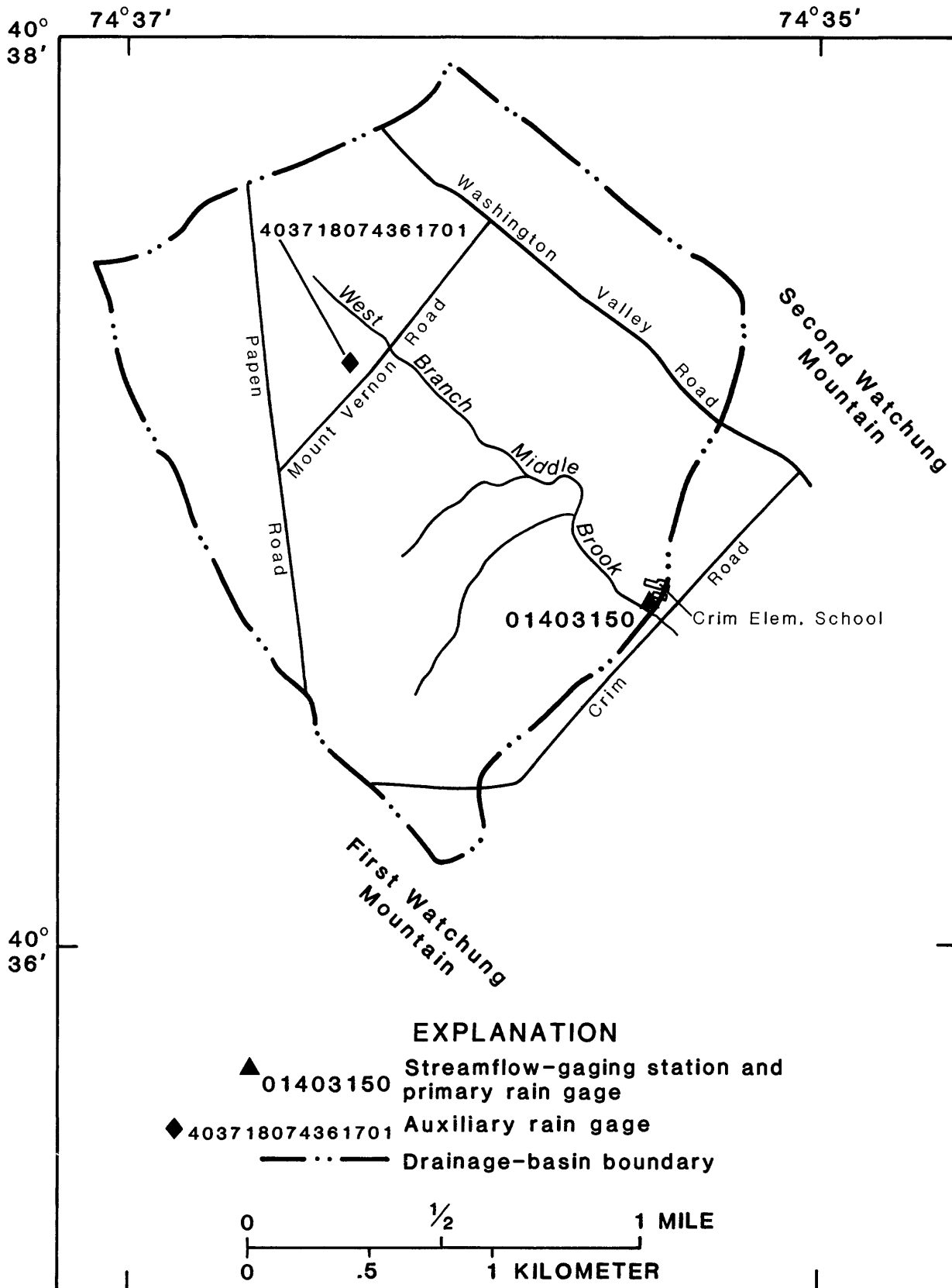


Figure 9.--Location of data-collection sites in the West Branch Middle Brook near Martinsville drainage basin.

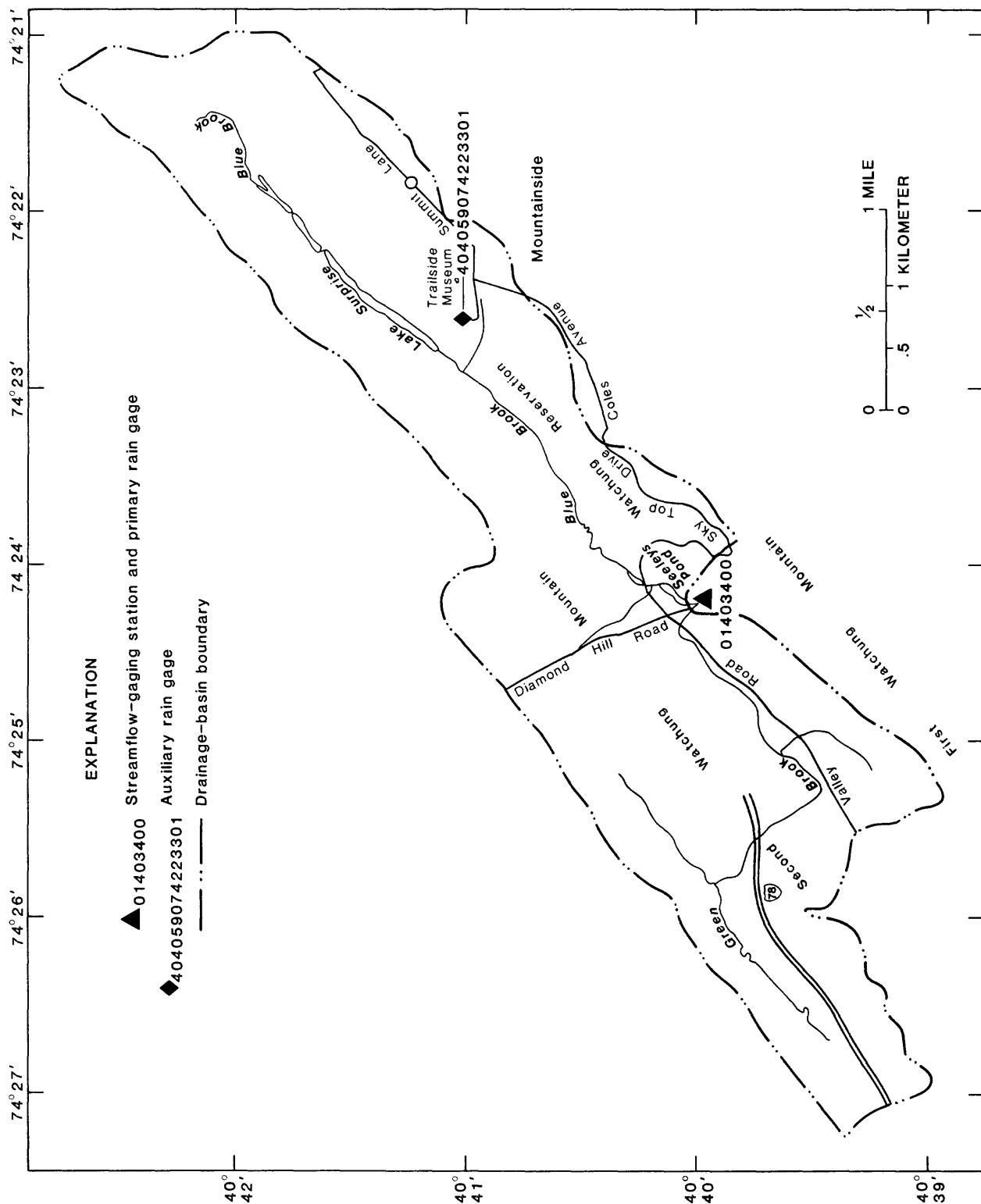


Figure 10.--Location of data-collection sites in the Green Brook at Seeley Mills drainage basin.

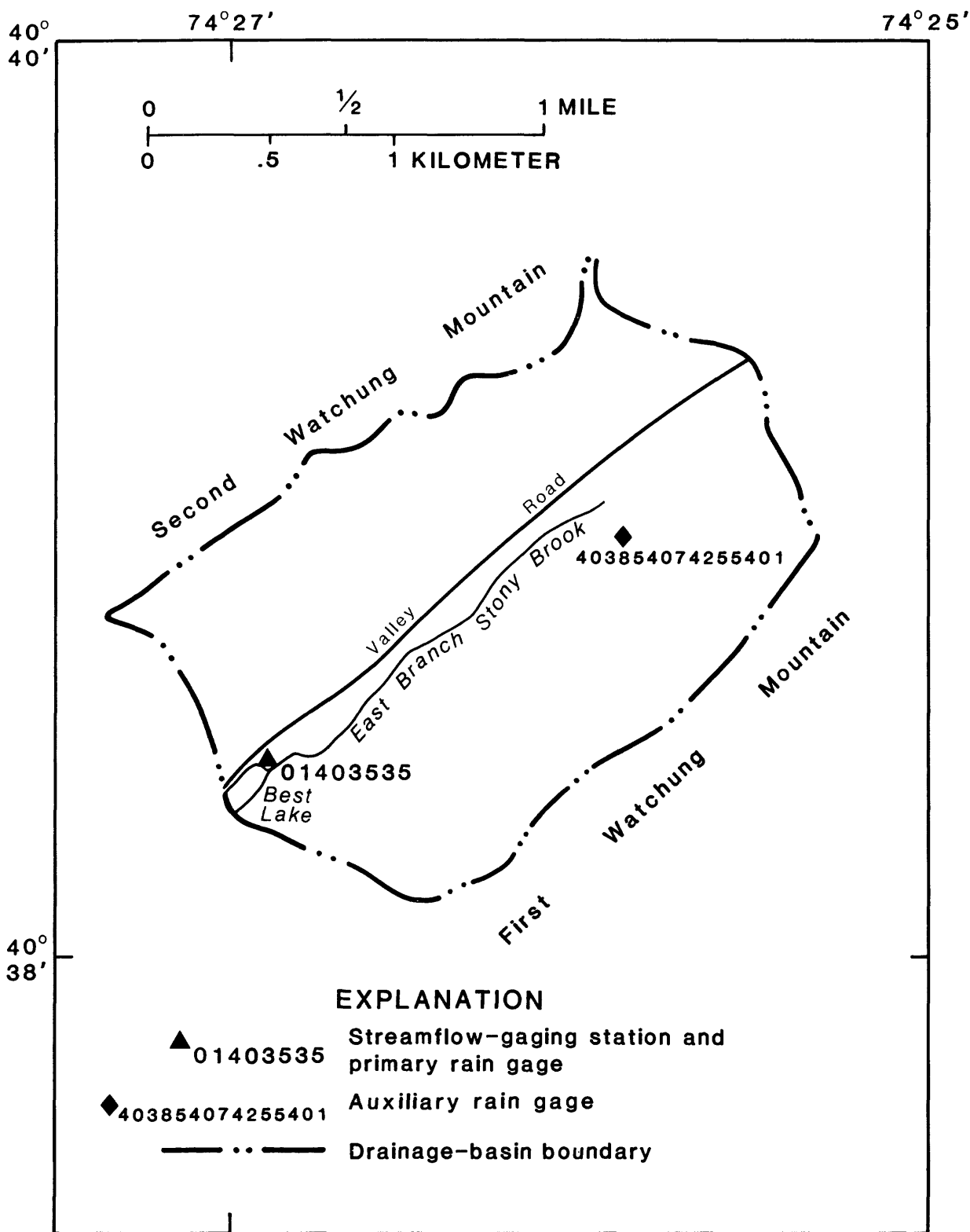


Figure 11.--Location of data-collection sites in the East Branch Stony Brook at Best Lake at Watchung drainage basin.

Rainfall

Rainfall data were collected at 16 recording rain gages. The gages are weighing-type rain gages, with 8-inch diameter collector openings, that record to the nearest 0.1 inch on 16-channel paper tape. Each basin contained a rain gage situated next to the streamflow-gaging station and an auxiliary rain gage located upstream of the streamflow-gaging station, in the upper reaches of the drainage basin. The auxiliary rain gages were installed to provide better areal coverage and data continuity. Location of the auxiliary rain gages are given in table 1 and are shown on figures 4-11.

Daily rainfall data were verified for the storm events only. Verification consisted of screening unit data for value changes greater than 0.2 inch during 5-minute periods and comparing daily values for the main and auxiliary gages. For periods of missing data, the data from the main gage were substituted for the auxiliary gage and the auxiliary for the main. Daily rainfall was totaled as of midnight of the day. For periods of snow, the main rain gages did not record the snow correctly, because a tube was used to transfer the rainfall from the collector to the weighing device inside the gage house. The 8-inch collector would fill with snow and the event would not be recorded until the snow melted. However, the auxiliary rain gages were filled with antifreeze, and the liquid equivalent of the snow was recorded correctly. Rainfall intensity-duration data developed from rainfall data are presented in the section "Data Tables" and represent the storms selected for modeling. The duration of rain on the rainfall intensity-duration data is defined as the time span from the recording of the first 0.1 inch of rain to the last. Individual storms were defined and considered independent if the hydrograph receded to a well-defined trough between the peaks.

Runoff

Runoff data are based on discharge measurements and stage records at eight continuous-record streamflow-gaging stations. Stage records are recorded on 16-channel paper tape by analog-to-digital water-level recorders. The water-level recorders are operated by a float-drive mechanism and record gage-heights to the nearest 0.01 foot.

Individual storm-runoff data are presented in the "Data Tables" section. Base flow noted in these tables is the minimum discharge recorded at the beginning of the storm period and was assumed to be constant during the storm.

Table 1.--Location of auxiliary rain gages in Somerset County
[Elevations are approximate and expressed in feet above sea level]

Station number	Location
403521074453501	Lat 40°35'21", long 74°45'35", on property of Readington School, 1.9 mi northwest of Readington on Readington Road. Elevation, 240 ft.
404615074370001	Lat 40°46'15", long 74°37'00", on property of Saint John School, 0.8 mi west of Mendham on State Route 24. Elevation, 620 ft.
403645074384201	Lat 40°36'45", long 74°38'42", on property of Transcontinental Gas Pipeline Company, 1.1 mi north of the intersection of Country Club and Garretson Roads and 3.0 mi north of Raritan. Elevation, 160 ft.
402826074414101	Lat 40°28'26", long 74°41'41", in Sourland Mountain Preserve of the Somerset County Park Commission, 0.7 mi north of intersection of East Mountain and Blawenburg-Belle Mead Road at Plainfield. Elevation, 140 ft.
403025074401701	Lat 40°30'25", long 74°40'17", on property of Transcontinental Gas Pipeline Company, 2.3 mi west of the intersection of New Amwell Road and U.S. Route 206 in Belle Mead. Elevation, 120 ft.
403718074361701	Lat 40°37'18", long 74°36'17", on property of Bridgewater Township Park Commission, 0.4 mi southwest from the intersection of Mount Vernon and Washington Valley Roads and 1.3 mi northwest of Martinsville. Elevation, 270 ft.
404059074223301	Lat 40°40'59", long 74°22'33", in the Watchung Reservation of Union County Park Commission, 0.2 mi west from the intersection of Summit Lane and Coles Avenue in Mountainside. Elevation, 400 ft.
403854074255401	Lat 40°38'54", long 74°25'54", on the roof of Bayberry School, 1.2 mi northeast of the intersection of Valley and Hillcrest Roads in Watchung. Elevation, 320 ft.

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DATA TABLES

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

LOCATION.--Lat 40°33'30", long 74°43'50", Somerset County, Hydrologic Unit 02030105, on right bank 15 ft downstream from bridge on Old York Road, 0.9 mi southeast of Readington, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--9.00 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1978 to 1984.

GAGE.--Water-stage recorder, crest-stage gage and concrete parking-block control. Datum of gage is 77.65 ft National Geodetic Vertical Datum of 1929 (levels by Somerset County).

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--6 years, 16.6 ft³/s, 25.05 in/yr.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,300 ft³/s July 7, 1984, gage height, 8.08 ft; minimum, 0.22 ft³/s Aug. 28, 1980, gage height, 1.61 ft.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 400 cubic feet per second and maximum (*);

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June to Sept. 1980				Mar. 21	1325	496	4.75
				Mar. 28	0050	487	4.71
Oct. 01	1600	446	4.61	Apr. 03	0930	415	4.39
Mar. 21	1510	*843	6.26	Apr. 10	1355	735	5.78
				Apr. 16	0835	*863	6.34
1981 Water year				May 26	2245	526	4.88
May 11	2255	*1090	7.22	1984 Water year			
1982 Water year				Dec. 13	1830	640	5.40
				Dec. 22	1325	431	4.46
Jan. 04	1145	*994	6.86	Dec. 28	1935	504	4.80
Feb. 03	1325	554	5.01	Feb. 15	1105	448	4.54
Apr. 03	1945	531	4.90	Mar. 14	0215	404	4.34
1983 Water year				Apr. 05	0550	770	5.96
				May 29	1730	989	6.84
				May 30	0535	644	5.42
Mar. 19	0050	435	4.48	July 07	0545	*1300	8.08

Selected storm rainfall-runoff data, 1980-84 water years, Holland Brook drainage basin

01398107 Holland Brook at Readington NJ

Date	Duration of rain (hr:min)	Total rain	Accumulative Rainfall (inches)								Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
			5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1980														
10/01/1979	44:00	1.0	0.2	0.3	0.4	0.6	0.9	0.9	0.9	0.9	427	19.5	0.49	0.49
10/09/1979	71:20	1.5	.1	.2	.2	.3	.4	.6	1.0	1.4	83	13.6	.33	.22
3/20/1980	34:30	2.4	.1	.3	.4	.5	1.2	1.7	2.1	2.2	816	26.9	1.26	.53
3/24/1980	10:00	.9	.1	.1	.2	.2	.4	.8	.9	--	100	27.3	.19	.21
3/28/1980	19:20	.7	.1	.1	.1	.1	.2	.4	.4	0.7	44	22.0	.16	.23
3/31/1980	48:55	1.5	.1	.1	.2	.2	.4	.7	.9	1.4	306	34.0	.71	.47
4/04/1980	4:00	.6	.1	.1	.2	.3	.5	.6	--	--	100	28.9	.16	.27
4/09/1980	16:05	1.4	.1	.1	.2	.3	.7	1.0	1.2	1.4	318	20.3	.62	.44
4/27/1980	50:10	2.3	.1	.1	.2	.3	.7	1.0	1.5	1.7	150	8.2	.37	.16
6/29/1980	0:55	.9	.3	.7	.8	.9	--	--	--	--	43	2.9	.02	.02
7/29/1980	14:25	1.1	.1	.2	.3	.4	.4	.7	1.0	1.1	9.5	.96	.02	.02
9/17/1980	6:00	1.8	.2	.4	.6	.8	1.4	1.8	--	--	30	1.1	.03	.02
Water year 1981														
10/25/1980	14:15	2.0	0.1	0.1	0.2	0.4	1.1	1.7	1.9	2.0	49	1.2	0.09	0.04
11/24/1980	9:40	1.1	.1	.2	.3	.4	.6	.8	1.1	--	28	2.9	.08	.07
5/11/1981	15:20	3.1	.3	.6	.8	1.2	1.5	2.2	3.0	3.1	1082	5.0	1.67	.54
5/15/1981	6:10	1.2	.1	.2	.3	.4	.7	1.1	1.2	--	374	21.0	.53	.44
7/04/1981	8:30	1.4	.1	.2	.3	.4	.7	1.0	1.4	--	27	1.7	.05	.03
Water year 1982														
10/27/1981	1:10	0.8	0.2	0.4	0.7	0.7	0.8	--	--	--	67	4.7	0.05	0.06
12/01/1981	13:10	1.3	.1	.1	.2	.3	.5	.8	1.2	1.3	168	3.1	.27	.21
12/14/1981	41:10	2.4	.1	.1	.1	.2	.5	.8	1.0	1.8	247	4.3	.81	.34
4/03/1982	11:45	1.9	.2	.4	.6	.8	1.1	1.4	1.9	--	521	10.2	.95	.50
4/17/1982	3:25	.7	.1	.2	.2	.3	.5	.7	--	--	84	14.0	.07	.11
4/26/1982	11:35	.8	.1	.1	.1	.2	.5	.6	.8	--	54	8.5	.12	.12
4/27/1982	9:50	1.1	.1	.1	.2	.3	.7	.9	1.1	--	294	24.0	.13	.16
5/24/1982	4:15	.7	.1	.1	.2	.3	.5	.7	--	--	24	4.2	.03	.04
5/28/1982	8:15	1.0	.1	.2	.3	.3	.6	.8	1.0	--	101	4.6	.18	.18
6/13/1982	16:05	1.8	.1	.1	.2	.3	.6	1.0	1.5	1.8	220	4.2	.63	.35
6/29/1982	9:55	.8	.1	.2	.2	.3	.3	.6	.8	--	21	4.2	.03	.04
9/23/1982	2:55	1.2	.1	.2	.3	.5	1.2	--	--	--	15	1.0	.01	.01
9/27/1982	6:20	1.0	.1	.2	.3	.4	.7	.9	1.0	--	18	1.0	.02	.02

Selected storm rainfall-runoff data, 1980-84 water years, Holland Brook drainage basin--Continued

01398107 Holland Brook at Readington NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1983														
10/25/1982	18:45	1.1	0.1	0.1	0.2	0.2	0.4	0.6	0.8	1.1	5.5	1.1	0.01	0.01
11/04/1982	6:05	.7	.1	.2	.3	.3	.4	.6	.7	--	9.2	1.0	.02	.03
11/12/1982	6:35	1.3	.2	.3	.4	.7	1.0	1.2	1.3	--	28	1.1	.05	.04
11/28/1982	17:45	1.3	.1	.1	.1	.2	.5	.7	1.1	1.3	30	1.5	.05	.04
3/18/1983	48:45	1.8	.1	.2	.3	.4	.7	1.0	1.6	1.8	424	11.4	1.15	.57
3/21/1983	6:50	1.5	.2	.2	.3	.5	1.1	1.3	1.5	1.5	461	34.8	.75	.50
3/27/1983	23:05	1.8	.1	.2	.3	.5	1.2	1.6	1.7	1.8	472	14.8	.67	.37
4/02/1983	8:45	1.6	.1	.1	.2	.4	.7	1.3	1.6	--	400	14.8	.67	.42
4/08/1983	90:05	2.9	.1	.2	.3	.4	.9	1.3	1.6	1.7	716	19.3	1.63	.56
4/15/1983	24:40	2.8	.1	.2	.3	.5	1.2	1.9	2.5	2.7	843	20.0	1.79	.64
5/26/1983	28:45	2.1	.2	.4	.6	.6	1.0	1.5	1.5	1.5	514	12.0	.97	.46
5/29/1983	36:00	.9	.1	.1	.1	.2	.3	.4	.5	.7	88	35.7	.17	.19
6/28/1983	8:50	1.4	.2	.4	.6	.8	1.0	1.0	1.4	--	29	2.3	.04	.03
7/30/1983	1:30	.7	.2	.3	.3	.6	.7	--	--	--	15	1.5	.01	.01
8/11/1983	2:45	1.0	.2	.4	.6	.7	1.0	--	--	--	73	.90	.03	.03
9/21/1983	10:15	1.3	.1	.3	.5	.7	1.0	1.1	1.3	--	53	.81	.03	.02
Water year 1984														
10/23/1983	20:35	2.3	0.1	0.1	0.2	0.3	0.7	1.0	1.6	2.3	128	1.6	0.26	0.11
11/10/1983	21:40	2.0	.2	.4	.5	.5	.8	1.4	1.5	2.0	86	2.2	.16	.08
11/15/1983	10:45	1.2	.1	.1	.2	.3	.6	1.0	1.2	--	297	10.8	.41	.34
11/20/1983	13:10	.8	.1	.2	.2	.4	.7	.7	.7	.8	108	13.2	.10	.12
11/24/1983	18:55	1.0	.1	.2	.2	.3	.3	.4	.6	1.0	216	18.2	.48	.48
4/04/1984	32:30	2.8	.2	.2	.2	.3	.7	1.3	2.0	2.6	735	35.6	1.71	.61
5/20/1984	11:30	1.6	.2	.4	.5	.6	.9	1.2	1.6	--	134	7.4	.10	.06
5/27/1984	122:50	4.7	.2	.4	.6	.9	1.2	1.5	1.9	3.2	976	13.2	3.02	.64
6/24/1984	6:20	.9	.1	.2	.4	.4	.5	.7	.9	--	130	3.2	.07	.08
7/06/1984	12:05	3.7	.3	.6	1.2	2.0	3.2	3.6	3.6	3.7	1292	5.8	1.40	.38
7/27/1984	13:25	1.3	.2	.3	.4	.5	.7	.8	.9	1.3	189	4.1	.14	.11

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	5.5	11	8.9	5.0	4.1	96	24	6.0	2.9	2.0	.78
2	53	5.4	9.8	8.3	4.7	3.9	47	19	3.9	2.5	1.7	.80
3	44	50	8.4	7.4	4.4	3.8	34	16	7.0	2.6	1.7	.82
4	32	31	7.8	6.5	4.5	4.0	59	14	3.8	2.3	1.6	1.6
5	30	22	7.0	6.5	4.2	4.4	38	12	3.3	2.3	1.7	1.5
6	24	18	7.7	5.6	3.8	4.1	28	12	3.7	2.9	1.6	1.5
7	20	15	12	5.8	4.0	3.9	23	11	5.0	2.0	1.3	1.1
8	16	12	8.4	5.3	3.7	12	20	16	6.5	2.0	1.6	.77
9	16	10	7.8	4.9	3.7	16	94	12	8.0	2.0	1.8	.76
10	49	13	7.8	4.4	3.7	10	73	11	6.0	1.9	1.5	.91
11	43	15	7.3	25	3.5	17	37	10	5.5	1.8	1.4	.75
12	33	39	6.9	42	3.5	12	27	12	4.3	2.0	1.6	.68
13	25	28	14	25	3.2	11	22	70	3.7	1.6	1.4	.61
14	20	22	14	20	3.2	13	23	40	3.5	1.3	1.6	1.1
15	17	17	14	17	3.4	11	22	15	3.3	1.1	1.9	1.6
16	14	15	13	13	4.6	14	18	11	3.3	.96	2.0	1.2
17	12	12	13	11	3.8	45	15	11	3.3	1.1	1.6	2.0
18	10	11	10	14	3.2	93	14	11	2.6	.86	1.5	6.6
19	9.1	9.3	9.6	30	3.2	41	13	11	2.6	.62	1.5	1.3
20	8.5	8.5	8.4	22	3.3	30	12	11	2.8	.54	1.4	1.1
21	8.0	7.9	7.7	18	3.7	271	11	18	3.1	.47	1.3	1.1
22	7.4	6.8	7.4	15	7.2	89	10	9.4	2.9	.52	1.1	.97
23	7.0	5.4	8.0	14	14	38	9.5	8.6	2.6	.95	1.1	.83
24	7.9	5.2	12	10	7.9	30	9.0	6.4	2.4	.75	1.0	.60
25	6.9	4.8	40	9.4	6.6	65	8.6	5.0	2.2	.69	.77	.79
26	6.4	34	31	8.1	5.5	34	8.3	4.0	2.0	.69	.74	1.1
27	6.0	31	22	7.4	5.4	26	8.7	3.5	2.0	.82	.67	.58
28	7.3	24	17	7.0	4.9	23	44	3.0	2.0	.77	.37	.54
29	6.6	18	14	6.2	4.1	40	44	2.7	2.5	4.3	.66	.55
30	5.8	14	12	5.7	---	41	32	2.6	7.6	3.0	.93	.56
31	5.6	---	10	5.4	---	130	---	3.5	---	2.2	.84	---
TOTAL	648.5	509.8	379.0	388.8	135.9	1140.2	900.1	415.7	117.4	50.44	41.88	35.10
MEAN	20.9	17.0	12.2	12.5	4.69	36.8	30.0	13.4	3.91	1.63	1.35	1.17
MAX	98	50	40	42	14	271	96	70	8.0	4.3	2.0	6.6
MIN	5.6	4.8	6.9	4.4	3.2	3.8	8.3	2.6	2.0	.47	.37	.54
CFSM	2.32	1.89	1.36	1.39	.52	4.09	3.33	1.49	.43	.18	.15	.13
IN.	2.68	2.11	1.57	1.61	.56	4.71	3.72	1.72	.49	.21	.17	.15

CAL YR 1979	TOTAL	9876.3	MEAN	27.1	MAX	504	MIN	1.0	CFSM	3.01	IN.	40.82
WTR YR 1980	TOTAL	4762.82	MEAN	13.0	MAX	271	MIN	.37	CFSM	1.44	IN.	19.69

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.56	2.0	5.0	2.1	2.8	14	13	4.7	3.7	1.6	1.2	86	
2	1.0	1.8	4.5	2.3	25	12	22	13	7.2	1.9	1.1	1.6	
3	1.7	1.7	3.8	1.9	8.0	10	16	11	5.3	1.7	1.1	1.1	
4	1.8	2.9	2.8	1.8	5.7	9.3	13	9.4	5.8	2.9	1.2	1.0	
5	.78	3.2	2.5	1.5	4.0	9.6	13	7.9	4.2	12	5.2	1.0	
6	.63	2.7	2.1	1.6	3.2	9.0	17	7.3	3.9	3.6	1.7	.96	
7	.67	2.7	2.2	2.0	3.1	8.7	14	6.1	3.4	2.8	1.3	.96	
8	.69	2.8	2.5	2.0	4.2	11	12	5.1	3.1	2.4	3.8	2.2	
9	.66	3.1	2.0	1.6	5.3	15	12	4.7	4.1	2.0	2.4	6.0	
10	.60	3.8	2.0	1.6	3.6	16	9.4	4.3	3.6	1.9	1.6	1.4	
11	.71	3.0	1.7	1.3	31	13	9.2	140	3.4	1.6	1.4	1.2	
12	.71	3.0	1.6	.84	14	12	9.7	190	2.8	1.5	1.6	1.1	
13	.62	2.6	2.0	.59	8.6	11	8.5	52	2.5	1.6	1.6	1.0	
14	.54	2.8	1.5	.73	6.8	10	17	29	6.0	3.3	1.3	.92	
15	.56	2.8	1.0	1.0	5.9	9.3	19	70	4.6	1.6	1.3	1.2	
16	.57	2.4	1.4	1.2	5.4	9.1	16	88	3.2	1.5	56	4.9	
17	.56	2.5	1.2	1.5	5.3	8.0	14	35	2.7	1.3	2.0	2.2	
18	1.0	6.4	1.1	1.7	5.2	7.0	12	23	2.3	1.2	1.5	6.1	
19	1.5	5.0	1.4	1.7	5.7	6.6	9.5	18	2.1	1.2	1.3	2.7	
20	.94	4.0	.73	1.7	45	6.1	8.5	14	2.3	1.7	1.3	1.9	
21	.87	3.6	.43	1.7	41	5.8	7.3	11	2.2	3.4	1.2	1.6	
22	.87	3.4	.52	1.7	28	5.1	6.7	9.9	2.3	2.2	1.2	1.6	
23	.83	3.0	.91	1.9	33	5.0	7.6	8.3	1.9	1.5	1.2	1.5	
24	.97	7.8	1.3	2.8	93	4.7	9.1	7.4	1.7	1.3	3.4	1.2	
25	16	13	2.2	3.1	33	4.5	6.9	6.6	3.1	1.3	2.0	1.1	
26	7.3	6.9	.52	3.0	22	4.1	6.1	6.2	3.2	1.3	1.5	1.1	
27	3.8	5.4	.82	3.0	17	4.1	5.7	5.5	2.0	1.8	1.2	1.1	
28	3.2	7.8	1.4	3.0	15	3.7	5.5	5.1	1.8	1.3	1.0	1.1	
29	2.6	8.0	2.8	3.0	---	3.7	6.3	5.5	1.6	2.2	1.0	.98	
30	2.2	6.3	3.2	3.1	---	7.0	5.1	4.8	1.6	1.3	1.1	.96	
31	2.1	---	2.6	2.8	---	11	---	4.2	---	1.2	1.7	---	
TOTAL	57.54	126.4	59.73	59.76	479.8	265.4	331.1	807.0	97.6	68.1	106.4	137.68	
MEAN	1.86	4.21	1.93	1.93	17.1	8.56	11.0	26.0	3.25	2.20	3.43	4.59	
MAX	16	13	5.0	3.1	93	16	22	190	7.2	12	56	86	
MIN	.54	1.7	.43	.59	2.8	3.7	5.1	4.2	1.6	1.2	1.0	.92	
CFSM	.21	.47	.21	.21	1.90	.95	1.22	2.89	.36	.24	.38	.51	
IN.	.24	.52	.25	.25	1.98	1.10	1.37	3.34	.40	.28	.44	.57	
CAL YR 1980	TOTAL	3469.19		MEAN	9.48	MAX	271	MIN	.37	CFSM	1.05	IN.	14.34
WTR YR 1981	TOTAL	2596.51		MEAN	7.11	MAX	190	MIN	.43	CFSM	.79	IN.	10.73

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.2	3.9	4.7	61	78	8.1	12	23	16	4.6	1.9	1.3	
2	5.0	3.6	66	38	19	8.1	9.8	18	46	4.0	1.8	1.7	
3	1.6	3.2	21	23	306	7.3	105	14	21	5.3	1.6	3.2	
4	1.3	3.0	14	390	93	6.2	113	12	14	5.5	1.6	1.1	
5	1.3	2.9	11	94	41	7.6	42	10	12	3.8	1.5	.98	
6	1.5	5.5	9.2	40	27	6.6	33	8.7	11	3.5	1.5	.86	
7	2.0	4.2	8.2	27	18	43	26	8.1	9.2	3.3	1.4	.83	
8	1.4	3.6	10	20	14	38	24	7.4	7.6	3.0	1.3	.81	
9	1.2	3.4	9.4	17	14	25	25	6.8	6.5	2.9	2.1	.81	
10	1.1	3.2	8.3	12	12	19	33	6.0	5.5	2.6	2.1	.80	
11	1.1	3.1	7.4	10	9.5	16	41	5.4	5.1	2.6	1.5	.77	
12	1.0	3.0	6.6	8.4	8.3	16	35	5.2	4.5	3.0	1.8	.67	
13	.90	2.9	5.7	8.0	8.0	16	30	5.2	67	2.4	1.3	.66	
14	.94	2.9	5.4	8.7	7.0	16	24	4.6	79	2.0	.93	.71	
15	.96	3.0	59	7.9	8.5	14	18	4.1	32	2.0	1.1	.72	
16	.95	7.2	110	7.1	12	13	15	3.8	21	2.0	1.1	.80	
17	.95	4.7	39	6.0	10	16	14	3.5	34	1.8	1.0	.69	
18	1.2	4.3	25	5.5	8.5	14	37	3.2	18	1.8	1.0	.69	
19	2.2	3.8	18	5.4	13	13	22	3.0	15	1.7	1.0	.66	
20	1.2	5.2	14	5.4	16	12	18	4.9	11	1.8	1.0	.87	
21	1.1	4.6	12	5.0	24	12	15	5.2	9.0	1.8	.95	.88	
22	1.1	4.3	11	4.4	24	11	12	3.7	7.6	1.6	.87	1.3	
23	1.5	4.0	25	5.8	19	9.5	11	5.2	8.1	1.6	.92	3.7	
24	3.2	3.7	22	9.0	16	8.7	9.5	4.8	6.0	1.6	.92	1.1	
25	1.9	3.5	19	6.3	13	8.1	8.5	13	5.2	1.4	2.7	.94	
26	3.9	3.2	15	5.3	11	9.0	23	6.5	4.7	1.4	1.1	.91	
27	8.4	3.3	15	4.7	9.7	7.6	44	5.1	4.3	1.3	1.0	6.4	
28	15	3.0	15	4.6	8.9	6.6	114	4.8	4.5	18	.98	1.6	
29	6.6	2.8	14	4.3	---	6.3	46	37	9.4	3.3	.90	1.2	
30	5.2	2.6	13	4.1	---	6.2	30	18	7.2	2.6	.90	1.1	
31	4.4	---	12	5.1	---	8.8	---	21	---	2.3	.88	---	
TOTAL	81.30	111.6	624.9	853.0	848.4	408.7	989.8	281.2	501.4	96.5	40.65	38.76	
MEAN	2.62	3.72	20.2	27.5	30.3	13.2	33.0	9.07	16.7	3.11	1.31	1.29	
MAX	15	7.2	110	390	306	43	114	37	79	18	2.7	6.4	
MIN	.90	2.6	4.7	4.1	7.0	6.2	8.5	3.0	4.3	1.3	.87	.66	
CFSM	.29	.41	2.24	3.06	3.37	1.47	3.67	1.01	1.86	.35	.15	.14	
IN.	.34	.46	2.58	3.53	3.51	1.69	4.09	1.16	2.07	.40	.17	.16	
CAL YR 1981	TOTAL	3170.64		MEAN	8.69	MAX	190	MIN	.59	CFSM	.97	IN.	13.11
WTR YR 1982	TOTAL	4876.21		MEAN	13.4	MAX	390	MIN	.66	CFSM	1.49	IN.	20.15

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.2	1.0	9.7	3.9	13	51	18	14	26	3.0	1.1	.86	
2	.96	1.0	11	3.7	20	118	15	12	19	2.6	1.1	.78	
3	.95	1.0	8.9	3.5	52	35	140	11	16	2.3	.95	.77	
4	1.0	1.2	8.0	2.9	30	26	52	11	20	2.1	.97	.78	
5	.97	4.4	6.9	4.6	20	19	32	8.9	14	2.1	.99	.77	
6	.90	1.4	6.8	11	15	17	24	7.7	18	2.0	.98	.73	
7	.90	1.0	5.7	9.0	14	22	20	7.0	14	1.7	.94	.75	
8	.91	1.0	5.0	8.1	12	31	45	6.6	12	1.6	.85	.72	
9	.90	.98	4.7	6.9	9.5	39	66	6.2	9.4	1.6	.84	.77	
10	.89	.90	4.3	12	7.7	95	243	5.6	8.4	1.6	.79	.78	
11	.85	.91	4.6	96	4.6	41	91	5.2	7.6	1.5	6.4	.72	
12	.90	1.0	4.0	29	7.0	33	46	4.9	6.7	1.5	3.0	1.1	
13	.99	14	3.2	18	9.6	24	31	4.6	5.9	1.5	1.2	1.1	
14	1.1	4.6	2.4	13	8.4	19	25	4.4	5.3	1.3	1.0	.89	
15	.96	3.3	2.5	13	7.6	16	21	4.5	4.7	1.3	.98	.81	
16	.93	2.6	14	11	8.0	13	379	7.2	4.2	1.3	.99	.82	
17	.87	2.3	11	8.7	11	12	93	7.3	3.8	1.2	.95	.85	
18	.82	2.0	8.7	6.7	18	69	48	4.6	3.7	1.1	.96	.82	
19	.90	1.8	7.6	5.8	23	183	40	4.2	3.6	1.5	.93	.81	
20	.90	1.7	7.2	4.9	20	52	35	5.3	4.7	2.3	.87	.81	
21	.94	1.7	6.2	4.7	25	175	28	13	4.8	1.5	.79	6.0	
22	.87	1.8	5.2	4.4	45	76	23	16	3.6	1.5	.77	4.2	
23	.88	1.8	4.9	16	57	38	20	51	3.2	1.3	.79	.94	
24	.90	1.7	4.9	48	48	27	31	21	2.9	2.0	.74	.85	
25	1.8	1.5	4.9	40	40	21	88	15	2.7	1.8	.80	.83	
26	3.6	1.6	5.0	30	31	17	42	102	2.5	1.5	.84	.90	
27	1.7	1.6	4.6	22	23	45	29	112	2.4	1.3	.80	.90	
28	1.3	1.7	4.7	18	22	130	23	57	8.6	1.2	.87	.90	
29	1.1	16	4.7	14	---	42	18	45	6.5	1.1	2.9	.82	
30	1.1	8.1	4.0	13	---	28	16	62	3.3	2.6	1.2	1.2	
31	1.1	---	3.7	14	---	22	---	40	---	2.3	.90	---	
TOTAL	34.09	85.59	189.0	495.8	601.4	1536	1782	676.2	247.5	53.2	38.19	33.98	
MEAN	1.10	2.85	6.10	16.0	21.5	49.5	59.4	21.8	8.25	1.72	1.23	1.13	
MAX	3.6	16	14	96	57	183	379	112	26	3.0	6.4	6.0	
MIN	.82	.90	2.4	2.9	4.6	12	15	4.2	2.4	1.1	.74	.72	
CFSM	.12	.32	.68	1.78	2.39	5.50	6.60	2.42	.92	.19	.14	.13	
IN.	.14	.35	.78	2.05	2.49	6.35	7.37	2.79	1.02	.22	.16	.14	
CAL YR 1982	TOTAL	4367.09		MEAN	12.0	MAX	390	MIN	.66	CFSM	1.33	IN.	18.05
WTR YR 1983	TOTAL	5772.95		MEAN	15.8	MAX	379	MIN	.72	CFSM	1.76	IN.	23.86

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.0	2.8	27	13	7.0	28	79	8.4	54	24	7.7	1.4	
2	1.5	2.6	22	12	6.5	20	53	7.6	36	10	6.6	1.4	
3	.99	2.5	20	10	9.3	17	38	14	27	6.8	5.7	1.4	
4	.91	2.5	116	10	83	14	54	47	22	5.4	5.1	2.3	
5	1.7	2.1	53	9.5	33	17	405	48	18	4.8	8.2	1.6	
6	2.1	2.0	58	8.8	27	28	89	26	16	10	5.9	1.4	
7	.86	2.0	58	7.8	17	23	50	21	13	346	6.4	1.4	
8	.87	1.8	33	6.4	13	19	36	30	11	64	6.1	1.4	
9	.82	1.8	25	5.5	12	18	28	35	9.7	36	4.0	1.4	
10	.77	8.4	22	7.5	15	15	25	27	8.0	26	3.7	1.4	
11	.80	36	18	8.4	24	14	21	22	7.0	25	3.5	1.5	
12	1.5	22	120	5.6	31	12	19	19	6.0	19	3.2	1.4	
13	1.6	16	399	5.3	21	22	17	17	5.7	12	2.9	1.3	
14	3.6	12	148	5.7	27	207	15	16	6.2	8.8	2.7	1.4	
15	1.2	18	57	5.0	211	81	18	13	4.6	7.2	2.5	1.4	
16	.93	102	38	4.5	82	56	53	11	4.0	9.2	2.2	1.3	
17	.91	30	28	4.5	48	43	36	9.7	4.3	6.8	2.2	1.2	
18	.91	21	21	4.3	37	35	29	8.8	7.2	13	1.9	1.2	
19	7.1	17	18	4.5	30	29	25	9.0	12	8.8	1.9	1.3	
20	2.4	14	14	3.5	25	23	21	18	4.8	5.7	1.9	1.4	
21	1.7	43	12	3.0	19	23	19	38	3.9	25	1.6	1.3	
22	1.4	25	121	2.4	17	20	17	20	3.4	14	1.5	1.2	
23	7.5	20	53	2.8	16	18	19	21	3.1	9.4	2.1	1.2	
24	60	21	33	6.1	50	16	19	18	7.2	7.6	1.7	1.2	
25	17	112	20	22	35	15	17	15	22	5.6	1.5	1.2	
26	11	50	16	22	25	14	15	16	5.8	4.6	1.5	1.2	
27	7.6	31	14	26	19	12	13	15	4.6	44	1.5	1.2	
28	5.8	41	97	18	51	23	12	21	3.9	22	1.5	1.7	
29	4.5	95	41	13	41	58	11	295	3.6	16	1.5	1.6	
30	3.5	38	22	11	---	77	11	357	4.0	12	1.5	1.4	
31	3.3	---	16	9.7	---	122	---	111	---	9.4	1.9	---	
TOTAL	155.77	792.5	1740	277.8	1031.8	1119	1264	1334.5	338.0	818.1	102.1	41.7	
MEAN	5.02	26.4	56.1	8.96	35.6	36.1	42.1	43.0	11.3	26.4	3.29	1.39	
MAX	60	112	399	26	211	207	405	357	54	346	8.2	2.3	
MIN	.77	1.8	12	2.4	6.5	12	11	7.6	3.1	4.6	1.5	1.2	
CFSM	.56	2.93	6.23	.00	3.96	4.01	4.68	4.78	1.26	2.93	.37	.15	
IN.	.64	3.28	7.19	1.15	4.26	4.63	5.22	5.52	1.40	3.38	.42	.17	
CAL YR 1983	TOTAL	8152.54		MEAN	22.3	MAX	399	MIN	.72	CFSM	2.48	IN.	33.70
WTR YR 1984	TOTAL	9015.27		MEAN	24.6	MAX	405	MIN	.77	CFSM	2.73	IN.	37.26

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
2	.0	.4	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
3	.2	1.1	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0
4	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
5	.4	.0	.0	.0	.0	.1	.0	.0	.0	.4	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
8	.0	.0	.5	.0	.0	.4	.0	.5	.1	.0	.2	.0
9	.4	.0	.1	.0	.0	.0	1.4	.0	.3	.0	.0	.0
10	1.0	.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
11	.0	.6	.0	1.2	.0	.1	.0	.0	.0	.1	.0	.0
12	.2	.1	.0	.3	.0	.0	.0	.4	.0	.0	.1	.0
13	.0	.0	.6	.1	.0	.0	.0	.3	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.1
15	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.0
16	.0	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.3
18	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.1	.1	2.2	.0	.6	.0	.0	.0	.0
22	.0	.0	.2	.0	.2	.1	.0	.0	.0	.2	.0	.0
23	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
24	.2	.0	.6	.0	.0	.4	.0	.0	.0	.0	.0	.0
25	.0	.0	.2	.0	.0	.3	.0	.0	.0	.0	.0	.2
26	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0
28	.3	.0	.0	.0	.0	.1	1.6	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.6	.4	.0	.8	1.1	.0	.0
30	.0	.0	.0	.0	---	.0	.1	.0	.1	.0	.0	.0
31	.0	---	.0	.0	---	1.2	---	.5	---	.0	.0	---
TOTAL	3.7	3.6	2.5	1.7	.8	6.7	5.0	2.8	1.9	2.0	.5	2.2

WTR YR 1980 TOTAL 33.4

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.6	.2	.0	.1	.0	.6
2	.5	.0	.0	.0	1.2	.0	.0	.5	.9	.0	.0	.0
3	.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.1
5	.0	.0	.0	.0	.0	.3	.6	.0	.0	.0	.7	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.0	.0
9	.0	.3	.1	.0	.0	.0	.1	.0	.3	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.7	.1	.2	3.1	.0	.0	.2	.0
12	.0	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14	.0	.0	.0	.0	.0	.0	.7	.0	.6	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.2	.2	.0	.1	.0
16	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
19	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.7	.0	.2
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
22	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.8	.0	.4	.0	.0	.0	.0	.0
24	.0	1.1	.0	.0	.1	.0	.1	.0	.0	.0	.3	.0
25	2.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
28	.1	.3	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0
29	.0	.0	.1	.0	---	.0	.0	.0	.0	.6	.0	.0
30	.0	.0	.0	.0	---	.5	.0	.0	.0	.0	.5	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.5	2.8	.8	.2	4.6	1.0	3.0	5.0	2.9	3.6	2.8	1.6

CAL YR 1980 TOTAL 30.7
WTR YR 1981 TOTAL 31.8

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.0	.8	.5	.0	.0	.0	.0	.2	.0	.0	.4
2	.2	.0	.5	.0	.4	.1	.0	.0	.2	.0	.0	.1
3	.0	.0	.0	.0	1.2	.0	1.5	.0	.0	.5	.0	.4
4	.0	.0	.1	2.4	.0	.0	.0	.0	.1	.0	.0	.1
5	.0	.0	.0	.1	.0	.2	.0	.0	.1	.0	.0	.1
6	.3	.4	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.0	.0	.1	.0	.0	.0
8	.0	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1
9	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.5	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0
14	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.5	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.4	.0	.0	.2	.0	.0	.3	.0	.0	.1
17	.0	.0	.0	.0	.0	.0	.4	.0	.3	.0	.0	.0
18	.4	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.2	.1	.0	.0	.5	.0	.0	.0	.5
21	.0	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	.0
22	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
23	.6	.0	.2	.1	.0	.0	.0	.6	.1	.0	.0	.9
24	.1	.0	.2	.0	.0	.0	.1	.2	.0	.0	.0	.0
25	.1	.0	.1	.0	.0	.0	.0	.6	.0	.0	.4	.0
26	.5	.0	.0	.0	.0	.1	.8	.0	.0	.0	.0	.0
27	.5	.0	.2	.0	.0	.0	.8	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.2	.4	.1	1.8	.0	.0
29	.0	.0	.0	.2	---	.0	.0	.6	.8	.0	.0	.0
30	.0	.0	.0	.4	---	.0	.0	.4	.0	.0	.0	.0
31	.0	---	.1	1.0	---	.5	---	.0	---	.0	.0	---
TOTAL	3.9	1.5	4.9	4.9	2.5	2.2	5.1	3.6	4.1	2.3	1.2	4.0

CAL YR 1981 TOTAL 35.0
WTR YR 1982 TOTAL 40.2

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.5	.0	.0	.6	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.5	.0	.1	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.1	.0	1.5	.0	.2	.0	.0	.0
4	.0	.6	.0	.0	.0	.0	.0	.2	.3	.0	.1	.0
5	.1	.1	.0	.8	.3	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
7	.1	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.4	1.1	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.1	.0	.5	1.7	.0	.1	.0	.0	.0
11	.0	.0	.1	.1	.0	.2	.1	.0	.0	.0	1.0	.0
12	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.3	.5
13	.1	1.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0
14	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0
15	.0	.0	.1	.3	.0	.2	.1	.2	.0	.1	.0	.0
16	.0	.0	.6	.1	.0	.0	2.9	.8	.0	.0	.0	.0
17	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0
18	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.3	.2	.1	.3	.5	.0	.0
20	.0	.0	.2	.0	.0	.2	.1	.1	.4	.0	.0	.0
21	.0	.0	.1	.1	.0	1.5	.0	.9	.1	.0	.0	1.2
22	.0	.0	.0	.1	.0	.0	.0	.9	.0	.0	.0	.1
23	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.1	.0	.0	.0	.9	.0	.0	.4	.1	.0
25	.8	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0	.0
26	.3	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.7	.0	.6	.0	.0	.0	.0
28	.0	.9	.1	.0	.0	.1	.0	.0	1.4	.0	.1	.0
29	.0	.6	.1	.0	---	.0	.0	.6	.0	.2	.7	.0
30	.0	.0	.0	.2	---	.0	.0	.3	.0	.7	.0	.4
31	.1	---	.0	.3	---	.0	---	.0	---	.0	.0	---
TOTAL	1.6	3.5	2.0	4.2	1.8	7.6	9.2	6.2	2.9	2.1	2.3	2.2
CAL YR 1982 TOTAL	37.0											
WTR YR 1983 TOTAL	45.6											

RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0
2	.2	.0	.0	.0	.0	.0	.0	.0	.1	.0	.5	.0
3	.0	.0	.2	.0	.4	.0	.0	.9	.0	.0	.0	.6
4	.0	.0	1.1	.0	.1	.0	.7	.5	.0	.3	.0	.5
5	.4	.0	.0	.0	.2	.5	2.1	.0	.0	.5	.8	.0
6	.0	.0	.7	.0	.0	.2	.0	.0	.0	.3	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0
10	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4
11	.0	.6	.0	.0	.2	.0	.0	.2	.0	1.3	.0	.0
12	.5	.0	1.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
13	.4	.0	2.1	.0	.0	.8	.0	.1	.3	.1	.0	.0
14	.1	.0	.0	.1	.3	1.2	.6	.0	.0	.0	.0	.0
15	.0	.9	.0	.0	1.0	.0	.8	.0	.0	.0	.0	.1
16	.0	.3	.0	.0	.0	.0	.6	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
18	.1	.0	.0	.0	.0	.0	.0	.0	.6	1.4	.0	.0
19	.8	.0	.0	.0	.0	.0	.2	.1	.9	.0	.0	.0
20	.0	.3	.0	.0	.0	.0	.0	1.6	.0	.1	.0	.0
21	.0	.5	.0	.0	.0	.2	.0	.0	.0	.6	.0	.0
22	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.5	.0	.0	.0	.2	.0	.4	.5	.0	.0	.4	.0
24	.8	.4	.0	.8	.5	.0	.0	.0	.9	.0	1.0	.0
25	.0	.6	.0	.4	.0	.0	.0	.0	.0	.2	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.5	.0	.3	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0
28	.0	.6	1.3	.0	.6	.8	.0	.9	.0	.0	.0	.4
29	.0	.1	.0	.0	.0	1.5	.0	2.0	.0	.0	.0	.1
30	.0	.0	.0	.0	---	1.6	.0	1.5	.8	.0	.0	.0
31	.0	---	.0	.1	---	.0	---	.2	---	.0	.0	---
TOTAL	5.1	5.7	8.5	1.7	3.5	6.8	5.4	10.0	3.8	11.8	2.8	2.1

CAL YR 1983 TOTAL 57.8
WTR YR 1984 TOTAL 67.2

RARITAN RIVER BASIN

403521074453501 AUXILIARY RAIN GAGE - HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
2		---	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0
3		---	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0
4		---	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
5		---	.0	.0	.0	.6	.0	.0	.0	.4	.0	.0
6		---	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
7		---	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
8		.0	.5	.0	.0	.2	.0	.5	.1	.0	.2	.0
9		.0	.0	.0	.0	.0	1.3	.0	.3	.0	.0	.0
10		.3	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0
11		.6	.0	1.1	.0	.1	.0	.0	.0	.1	.0	.0
12		.0	.0	.3	.0	.0	.0	.4	.0	.0	.0	.0
13		.0	.5	.1	.0	.0	.5	.3	.0	.0	.0	.0
14		.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.1
15		.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
16		.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0
17		.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.8
18		.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.4
19		.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0
20		.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
21		.0	.0	.1	.1	1.9	.0	.8	.0	.0	.0	.0
22		.0	.1	.0	.3	.4	.0	.0	.0	.2	.0	.0
23		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24		.0	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0
25		1.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.1
26		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
27		.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0
28		.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0
29		.0	.0	.0	.0	.7	.4	.0	.8	1.2	.0	.0
30		.0	.0	.0	---	.0	.0	.0	.1	.0	.0	.0
31		---	.0	.0	---	1.2	---	.2	---	.0	.0	---
TOTAL		---	2.3	1.6	.9	7.3	4.8	2.8	1.8	2.0	.4	1.5

RARITAN RIVER BASIN

403521074453501 AUXILIARY RAIN GAGE - HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.1	.6	.3	.0	.0	.0	.6
2	.4	.0	.0	.0	1.0	.0	.1	.5	.8	.0	.0	.0
3	.5	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.1
5	.0	.0	.0	.0	.0	.5	.5	.0	.0	.1	.9	.0
6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.4	.0
9	.0	.3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
11	.0	.0	.0	.0	.8	.1	.1	3.3	.0	.0	.2	.0
12	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
14	.0	.0	.0	.0	.0	.0	.7	.0	.8	.0	.0	.0
15	.0	.0	.1	.0	.0	.0	.0	1.3	.3	.0	.3	.0
16	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
19	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.2
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
22	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0
23	.0	.0	.0	.0	.8	.0	.5	.0	.0	.0	.0	.0
24	.0	1.2	.2	.0	.1	.0	.1	.0	.0	.0	.5	.0
25	2.1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
28	.0	.4	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.1	.0	.0	.5	.0	.0
30	.0	.0	.0	.0	---	.8	.0	.0	.0	.0	.4	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.4	2.9	.5	.4	4.6	1.5	3.1	5.5	3.0	2.9	3.8	1.6
CAL YR 1980 TOTAL	29.9											
WTR YR 1981 TOTAL	33.2											

RARITAN RIVER BASIN

403521074453501 AUXILIARY RAIN GAGE - HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.0	1.0	.7	.0	.0	.0	.0	.4	.0	.0	.3
2	.2	.0	.5	.0	.4	.0	.0	.0	.1	.0	.0	.6
3	.0	.0	.0	.0	1.2	.0	1.9	.0	.0	.4	.0	.1
4	.0	.0	.0	2.8	.0	.1	.0	.0	.0	.1	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
6	.3	.4	.0	.0	.0	.0	.8	.0	.1	.0	.0	.0
7	.0	.0	.0	.1	.0	1.0	.0	.0	.1	.0	.0	.0
8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.5	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.0
13	.0	.0	.0	.3	.0	.0	.1	.0	2.0	.0	.0	.0
14	.0	.0	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.6	.0	.0	.1	.0	.0	.4	.0	.0	.1
17	.0	.3	.0	.0	.0	.1	.6	.0	.3	.0	.0	.0
18	.4	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.0	.1	.0	.0	.3	.0	.1	.0	.4
21	.0	.0	.0	.0	.1	.1	.0	.4	.0	.0	.0	.0
22	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
23	.7	.0	.1	.0	.0	.0	.0	.5	.1	.0	.0	.5
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.6	.0	.0	.0	.0	.0	.0	.5	.0	.0	.7	.0
26	.3	.0	.0	.0	.0	.2	1.1	.0	.0	.0	.0	.0
27	.1	.0	.2	.0	.0	.0	.8	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.3	.5	.2	2.1	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.7	.8	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.3	.1	.0	.0	.0
31	.0	---	.0	.0	---	.5	---	.0	---	.0	.0	---
TOTAL	3.8	1.5	4.7	4.0	2.3	2.1	6.0	3.4	4.8	2.8	1.6	3.4

CAL YR 1981 TOTAL 36.4
WTR YR 1982 TOTAL 40.4

RARITAN RIVER BASIN

403521074453501 AUXILIARY RAIN GAGE - HOLLAND BROOK AT READINGTON, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.4	.0	.0	.5	.0	.0	.0	.0	.1	.0
2	.0	.0	.1	.0	.5	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.2	.0	1.4	.0	.1	.0	.0	.0
4	.0	.5	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0
5	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.0	.0	.0	.0	.4	.0	.0	.0
7	.0	.0	.0	.0	.4	.2	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.4	1.1	.0	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.1	.0	.7	1.6	.0	.0	.0	.0	.0
11	.0	.0	.0	.1	.6	.1	.0	.0	.0	.0	1.0	.0
12	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.3
13	.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.8	.0	.0	.1	.1	.0	.0	.0	.0
16	.0	.0	.7	.2	.0	.0	2.7	1.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0
19	.0	.0	.1	.0	.0	.3	.1	.1	.2	.5	.0	.0
20	.0	.0	.1	.0	.0	.0	.0	.3	.4	.0	.0	.0
21	.0	.0	.0	.0	.0	1.4	.0	.6	.1	.1	.0	1.6
22	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0
23	.0	.0	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.1	.0	.0	.0	.1	.0	.0	.7	.0	.0
25	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
26	.3	.0	.1	.0	.0	.0	.0	1.7	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.6	.0	.1	.0	.0	.0	.0
28	.0	.5	.0	.0	.0	.1	.0	.0	1.2	.0	.0	.0
29	.0	.7	.0	.0	---	.0	.0	.4	.1	.0	.9	.0
30	.0	.0	.0	.1	---	.0	.0	.4	.0	.8	.0	.4
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.5	3.1	1.8	3.8	1.8	7.3	7.1	5.5	2.8	2.2	2.1	2.3

CAL YR 1982 TOTAL 36.8

WTR YR 1983 TOTAL 41.3

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

LOCATION.--Lat 40°42'30", long 74°38'11", Somerset County, Hydrologic Unit 02030105, on left bank 75 ft upstream from Ravine Lake Dam, 1.6 mi north of Far Hills, and 2.3 mi upstream from Peapack Brook. Rain gage located at bridge 900 ft downstream from gage.

DRAINAGE AREA.--26.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1921 to September 1975, October 1977 to 1984. Operated as crest-stage gage water years 1976-77. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder and crest-stage gage above masonry dam. Datum of gage is 224.49 ft National Geodetic Vertical Datum of 1929 (New Jersey Geological Survey bench mark). Prior to June 18, 1925, nonrecording gage in stilling box at left end of dam at same datum.

REMARKS.--Water-discharge records fair. Records given herein include diversion by small turbine at dam and returned to river 1,000 ft downstream from Ravine Lake Dam. Flow regulated occasionally by operation of waste gate in dam.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

AVERAGE DISCHARGE.--61 years (water years 1922-75, 1978-80) 48.2 ft³/s, 24.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,390 ft³/s Aug. 28, 1971, gage height, 7.28 ft, from rating curve extended above 2,000 ft³/s on basis of computation of peak flow over dam; no flow at times when Ravine Lake was filling.

EXTREMES OUTSIDE PERIOD OF RECORD.--Stage of 7.6 ft, from floodmark, occurred July 23, 1919, discharge about 7,000 ft³/s.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
1980 Water year				Mar. 28	0115	1020	3.75
				Apr. 03	1030	927	3.64
Jan. 11	2230	1030	3.82	Apr. 10	Unknown	1200	Unknown
Mar. 21	1645	*2500	5.07	Apr. 16	1115	*1820	4.52
Apr. 09	1415	1030	3.76	May 26	2330	989	3.71
Apr. 28	1530	753	3.43	Aug. 11	1700	712	3.39
1981 Water year				1984 Water year			
May 12	0345	*2120	4.85	Dec. 13	1300	817	3.51
1982 Water year				Dec. 22	1745	738	3.41
				Dec. 28	2315	884	3.59
Jan. 04	1200	*1640	4.36	Feb. 15	1130	769	3.45
Feb. 03	1430	753	3.49	Apr. 05	0815	2020	4.69
Apr. 28	2345	753	3.47	May 04	0545	730	3.40
1983 Water year				May 29	1745	1570	4.30
				May 30	0645	809	3.50
Mar. 19	0130	842	3.54	July 06	0015	971	3.69
Mar. 21	1500	785	3.47	July 07	0515	*4610	6.40
				July 11	2100	746	3.42

Selected storm rainfall-runoff data, 1980-84 water years, North Branch Raritan River drainage basin

01398500 North Branch Raritan River near Far Hills NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1980														
12/24/1979	21:30	0.7	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.7	202	46.9	0.11	0.16
3/21/1980	14:10	2.6	.1	.2	.3	.6	1.4	1.9	2.4	2.6	2434	67.0	.89	.34
3/24/1980	10:00	.7	.1	.1	.1	.2	.3	.6	.7	--	250	119	.15	.22
3/29/1980	17:00	.7	.1	.1	.1	.1	.2	.3	.4	.7	140	123	.16	.23
3/31/1980	27:20	1.9	.1	.1	.2	.3	.5	.7	1.2	1.8	299	127	.48	.25
4/04/1980	3:30	.7	.1	.1	.2	.4	.6	.7	--	--	410	163	.16	.24
4/09/1980	15:15	1.7	.1	.2	.3	.5	.9	1.3	1.5	1.7	918	116	.55	.32
4/27/1980	26:45	1.7	.1	.1	.2	.3	.8	1.1	1.4	1.6	691	62.1	.32	.19
5/12/1980	19:45	1.3	.1	.3	.4	.4	.4	.6	.9	1.3	335	59.8	.23	.17
6/29/1980	1:00	.9	.3	.5	.7	1.0	--	--	--	--	71	13.7	.06	.07
Water year 1981														
10/25/1980	13:45	2.5	0.1	0.2	0.3	0.6	1.5	2.1	2.4	2.5	212	5.9	0.16	0.06
11/24/1980	9:40	1.3	.1	.2	.3	.4	.6	.9	1.3	--	158	9.8	.12	.09
5/11/1981	28:45	3.9	.3	.6	.9	1.4	1.8	2.3	3.6	3.8	2095	22.6	.78	.20
5/15/1981	5:20	1.3	.1	.3	.3	.4	.7	1.3	--	--	454	127	.17	.13
6/02/1981	5:35	.7	.1	.1	.1	.2	.4	.7	--	--	39	28.4	.03	.05
7/04/1981	11:20	1.9	.1	.3	.4	.5	.7	1.3	1.9	--	263	27.4	.15	.08
7/26/1981	0:45	.7	.2	.4	.6	.7	--	--	--	--	653	8.2	.23	.33
Water year 1982														
10/01/1981	3:35	0.9	0.1	0.2	0.2	0.3	0.7	0.9	--	--	38	4.0	0.06	0.07
10/23/1981	8:15	.7	.1	.1	.1	.2	.4	.6	.7	--	52	9.8	.05	.08
12/01/1981	16:00	1.8	.1	.1	.2	.3	.6	.9	1.5	1.8	369	8.7	.20	.11
12/14/1981	44:05	2.5	.1	.3	.3	.3	.4	.7	1.1	1.3	86	8.7	.11	.04
4/03/1982	11:40	1.5	.1	.2	.3	.5	.8	1.0	1.5	--	435	48.9	.17	.11
4/17/1982	3:25	.9	.1	.2	.3	.4	.6	.9	--	--	126	46.9	.10	.12
4/26/1982	45:55	3.5	.1	.2	.3	.5	1.0	1.4	1.7	1.7	710	43.4	.95	.28
5/28/1982	18:05	1.6	.3	.3	.4	.4	.9	1.3	1.5	1.6	147	25.4	.10	.08
6/16/1982	13:45	1.4	.1	.2	.4	.5	1.1	1.2	1.3	1.4	532	33.1	.24	.17
6/29/1982	9:30	1.4	.2	.4	.5	.6	.7	1.1	1.4	--	164	24.4	.13	.09
8/25/1982	2:05	.7	.1	.2	.4	.5	.7	--	--	--	33	7.2	.03	.04

Selected storm rainfall-runoff data, 1980-84 water years, North Branch Raritan River drainage basin--Continued

01398500 North Branch Raritan River near Far Hills NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1983														
11/12/1982	8:05	1.2	0.1	0.1	0.2	0.3	0.7	1.0	1.2	--	162	11.0	0.10	0.08
11/28/1982	16:30	1.4	.1	.1	.2	.3	.5	.9	1.3	1.4	100	11.7	.10	.07
3/18/1983	15:10	1.9	.1	.1	.2	.3	.6	1.1	1.7	1.9	780	62.1	.54	.29
3/21/1983	5:25	1.3	.1	.2	.3	.5	1.0	1.3	--	--	641	144	.28	.21
3/27/1983	8:45	1.6	.1	.2	.3	.4	1.0	1.4	1.6	--	885	139	.41	.25
4/03/1983	7:00	1.6	.1	.1	.2	.4	.8	1.4	1.6	--	769	158	.42	.26
4/15/1983	20:40	3.2	.1	.2	.4	.6	1.3	2.1	2.7	3.2	1718	105	1.33	.41
4/24/1983	23:15	1.0	.1	.1	.2	.2	.4	.5	.5	1.0	175	123	.23	.23
5/16/1983	12:40	.9	.1	.1	.1	.2	.4	.7	.8	.9	79	64.5	.05	.05
5/19/1983	75:15	2.0	.1	.2	.4	.6	.9	1.0	1.1	1.1	535	53.1	.34	.17
5/26/1983	20:05	2.0	.2	.5	.8	1.0	1.4	1.8	1.9	2.0	931	57.5	.56	.28
5/29/1983	30:15	1.1	.1	.1	.2	.3	.4	.5	.6	.9	165	91.1	.16	.15
6/03/1983	5:35	.7	.1	.1	.2	.3	.6	.7	--	--	174	75.4	.12	.18
6/28/1983	9:40	1.9	.2	.3	.4	.5	.9	1.4	1.9	--	229	19.9	.14	.08
8/11/1983	30:45	2.5	.5	1.3	1.9	2.1	2.3	2.3	2.4	--	694	18.2	.26	.11
9/21/1983	7:30	1.4	.1	.2	.3	.5	1.0	1.2	1.4	--	94	4.0	.07	.03
Water year 1984														
10/18/1983	8:35	1.6	0.1	0.1	0.2	0.3	0.8	1.2	1.6	--	63	9.8	0.08	0.05
11/15/1983	10:20	1.1	.1	.1	.1	.2	.5	.8	1.1	--	163	20.8	.12	.11
3/13/1984	18:40	1.7	.1	.1	.2	.3	.7	1.1	1.3	1.7	405	62.1	.26	.15
4/04/1984	21:35	3.2	.1	.1	.2	.3	.8	1.5	2.4	3.2	1890	131	1.50	.47
4/15/1984	36:55	1.2	.1	.2	.2	.3	.4	.5	.8	.9	305	98.0	.21	.17
5/04/1984	14:30	1.8	.1	.1	.2	.3	.7	1.2	1.6	1.8	622	108	.28	.16
5/28/1984	48:45	4.0	.2	.5	.9	1.1	1.4	1.6	2.0	3.1	1518	55.2	1.32	.33
6/24/1984	8:15	1.8	.1	.2	.3	.5	1.1	1.7	1.8	--	658	37.3	.23	.13
7/01/1984	4:45	1.4	.2	.3	.5	.7	1.2	1.4	--	--	554	41.8	.21	.15
7/07/1984	11:20	4.2	.3	.6	1.0	1.7	3.8	4.1	4.2	--	4536	78.4	1.55	.37
7/27/1984	4:10	1.3	.1	.2	.3	.5	1.0	1.3	--	--	222	46.9	.11	.08

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	105	40	45	42	26	17	330	88	68	26	12	5.6	
2	67	40	43	41	31	25	210	79	50	20	17	5.3	
3	59	183	41	40	29	25	174	75	62	20	25	5.1	
4	54	59	41	38	31	25	293	70	60	20	16	5.0	
5	50	47	41	38	29	24	168	65	42	18	15	5.0	
6	51	43	45	36	29	24	143	63	38	53	41	5.7	
7	46	42	80	36	28	23	128	63	44	24	20	5.3	
8	45	41	48	36	28	28	120	102	42	19	13	4.7	
9	45	40	45	34	27	38	393	70	40	17	11	4.6	
10	81	46	44	31	27	30	259	64	58	16	10	4.8	
11	70	48	43	152	28	41	157	61	42	16	9.2	4.5	
12	59	79	42	212	28	30	139	87	36	16	11	4.4	
13	57	48	62	55	26	27	125	198	32	15	9.7	4.5	
14	48	44	55	51	26	30	148	88	31	13	8.3	3.8	
15	47	42	43	52	27	36	151	74	29	13	8.4	3.5	
16	46	41	43	48	33	33	112	68	28	13	8.5	3.5	
17	45	40	51	45	29	42	99	66	27	16	7.7	3.5	
18	44	40	43	45	25	387	92	67	26	15	7.2	5.7	
19	43	40	41	66	26	88	92	67	25	13	7.4	4.3	
20	43	40	40	50	29	68	89	64	24	12	8.6	3.4	
21	43	39	38	46	33	692	85	70	23	11	9.2	3.4	
22	46	38	39	44	36	255	72	63	22	11	8.0	6.0	
23	46	37	41	45	42	146	66	54	20	19	7.7	14	
24	53	37	50	42	43	124	63	52	19	17	7.0	7.7	
25	48	37	119	39	36	235	60	48	19	14	6.3	5.3	
26	46	186	59	38	31	147	60	43	17	13	6.0	5.7	
27	44	84	49	37	27	136	69	41	17	12	5.9	5.2	
28	56	54	46	37	27	127	282	40	17	12	5.7	4.8	
29	59	50	46	36	21	188	160	39	17	12	5.7	4.8	
30	45	47	44	32	---	171	103	38	52	20	5.7	5.1	
31	42	---	43	31	---	261	---	43	---	14	5.7	---	
TOTAL	1633	1652	1510	1575	858	3523	4442	2110	1027	530	338.9	154.2	
MEAN	52.7	55.1	48.7	50.8	29.6	114	148	68.1	34.2	17.1	10.9	5.14	
MAX	105	186	119	212	43	692	393	198	68	53	41	14	
MIN	42	37	38	31	21	17	60	38	17	11	5.7	3.4	
CFSM	2.01	2.10	1.86	1.94	1.13	4.35	5.65	2.60	1.31	.65	.42	.20	
IN.	2.32	2.35	2.14	2.24	1.22	5.00	6.31	3.00	1.46	.75	.48	.22	
CAL YR 1979	TOTAL	26218		MEAN	71.8	MAX	968	MIN	15	CFSM	2.74	IN.	37.23
WTR YR 1980	TOTAL	19353.1		MEAN	52.9	MAX	692	MIN	3.4	CFSM	2.02	IN.	27.48

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	6.9	8.1	13	7.8	5.7	37	31	26	32	17	11	7.9	
2	7.9	8.0	12	7.4	104	32	80	39	51	52	10	12	
3	15	7.7	11	7.0	39	28	37	36	42	36	9.9	10	
4	16	8.4	8.4	6.8	18	24	32	28	42	69	9.9	8.5	
5	9.0	10	8.1	6.3	13	28	32	26	36	110	9.4	8.6	
6	5.7	8.8	7.9	6.5	12	26	55	26	34	39	8.8	8.2	
7	5.7	8.5	8.3	7.7	12	23	34	24	31	29	8.7	8.0	
8	9.2	8.2	8.9	7.3	12	24	31	23	28	22	18	11	
9	6.8	8.2	9.4	6.8	14	31	30	22	34	17	22	33	
10	4.2	13	12	6.4	11	32	30	22	32	15	13	16	
11	4.5	9.9	12	6.0	33	27	29	118	29	13	10	10	
12	4.6	7.7	10	6.2	53	29	32	602	23	13	15	9.2	
13	4.4	7.9	9.9	5.9	21	26	32	186	20	15	14	8.4	
14	4.0	8.2	9.3	6.2	19	24	52	160	26	16	11	8.0	
15	4.0	8.3	6.8	6.4	13	21	53	140	47	13	11	11	
16	5.9	8.2	8.6	6.6	13	21	36	242	32	12	18	35	
17	7.3	8.7	8.0	6.4	12	19	34	90	25	10	12	26	
18	6.7	17	6.7	6.2	12	18	33	75	21	10	9.1	17	
19	10	18	8.4	6.4	13	18	29	67	19	10	8.4	14	
20	9.7	14	6.2	7.2	154	17	28	59	18	16	8.1	12	
21	10	13	6.1	7.1	97	17	27	52	19	35	7.5	10	
22	7.9	11	5.7	6.8	79	16	27	48	43	24	7.3	10	
23	6.5	9.7	6.2	6.7	58	17	23	45	29	15	7.3	9.4	
24	5.6	27	6.9	6.8	154	16	49	44	22	12	7.1	8.6	
25	72	74	7.0	6.7	64	16	34	43	22	10	7.2	7.8	
26	51	29	5.8	6.9	47	16	27	40	34	11	6.9	7.7	
27	24	18	5.5	7.2	40	16	26	39	24	181	6.7	8.0	
28	16	19	6.3	8.2	37	15	25	38	19	29	6.6	8.0	
29	11	24	8.1	7.7	---	14	31	39	17	21	6.5	7.6	
30	9.2	16	10	6.2	---	19	29	38	16	16	7.0	7.5	
31	8.5	---	8.7	5.9	---	40	---	35	---	13	7.8	---	
TOTAL	369.2	437.5	261.2	209.7	1159.7	707	1048	2472	867	901	315.2	358.4	
MEAN	11.9	14.6	8.43	6.76	41.4	22.8	34.9	79.7	28.9	29.1	10.2	11.9	
MAX	72	74	13	8.2	154	40	80	602	51	181	22	35	
MIN	4.0	7.7	5.5	5.9	5.7	14	23	22	16	10	6.5	7.5	
CFSM	.45	.56	.32	.26	1.58	.87	1.33	3.04	1.10	1.11	.39	.45	
IN.	.52	.62	.37	.30	1.65	1.00	1.49	3.51	1.23	1.28	.45	.51	
CAL YR 1980	TOTAL	15626.0		MEAN	42.7	MAX	692	MIN	3.4	CFSM	1.63	IN.	22.19
WTR YR 1981	TOTAL	9105.9		MEAN	24.9	MAX	602	MIN	4.0	CFSM	.95	IN.	12.93

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	6.9	17	12	91	151	34	57	103	37	35	16	9.6	
2	32	17	134	61	49	34	46	92	56	30	17	19	
3	20	15	36	41	437	34	131	84	36	29	26	38	
4	11	14	25	564	160	30	153	77	33	33	26	17	
5	9.7	14	23	169	77	39	65	73	30	27	23	11	
6	9.5	22	22	92	63	38	70	68	39	25	16	9.7	
7	13	21	23	74	54	96	60	65	50	21	13	9.1	
8	11	14	20	62	49	79	58	63	36	22	13	9.0	
9	9.7	12	23	54	50	47	61	59	30	20	56	8.8	
10	9.4	11	11	43	46	42	63	57	26	18	42	8.6	
11	9.2	11	8.5	36	41	45	86	53	26	19	24	8.2	
12	9.6	10	8.5	33	39	52	85	50	24	19	24	7.8	
13	9.8	9.7	8.1	33	40	50	73	48	56	19	18	8.1	
14	9.7	9.7	8.4	34	38	48	58	46	84	19	15	7.9	
15	11	9.2	34	37	39	42	53	46	36	19	14	8.3	
16	9.8	11	57	36	50	41	52	43	38	19	13	9.3	
17	9.1	11	29	39	47	50	50	40	197	20	12	9.8	
18	9.7	9.5	24	38	40	46	99	39	53	19	11	8.9	
19	30	8.4	19	37	43	42	63	37	45	18	11	7.9	
20	24	13	15	36	48	41	54	34	42	30	10	8.1	
21	17	19	15	34	50	43	52	32	39	36	10	10	
22	11	12	18	32	46	44	54	32	37	25	9.3	11	
23	13	9.8	24	40	42	41	49	39	38	30	9.1	28	
24	45	9.1	35	111	41	40	47	42	33	14	10	16	
25	21	8.6	25	75	36	39	46	37	30	13	25	9.9	
26	28	9.6	21	57	32	50	45	32	29	16	20	7.8	
27	36	9.8	22	40	34	44	190	29	29	25	12	43	
28	79	9.9	28	37	35	37	195	29	29	49	10	12	
29	31	9.9	25	34	---	37	330	94	69	33	9.1	9.9	
30	22	9.5	24	33	---	39	123	44	73	20	8.7	9.0	
31	19	---	20	34	---	47	---	44	---	17	9.0	---	
TOTAL	586.1	366.7	797.5	2137	1877	1391	2568	1631	1380	739	532.2	380.7	
MEAN	18.9	12.2	25.7	68.9	67.0	44.9	85.6	52.6	46.0	23.8	17.2	12.7	
MAX	79	22	134	564	437	96	330	103	197	49	56	43	
MIN	6.9	8.4	8.1	32	32	30	45	29	24	13	8.7	7.8	
CFSM	.72	.47	.98	2.63	2.56	1.71	3.27	2.01	1.76	.91	.66	.48	
IN.	.83	.52	1.13	3.03	2.67	1.98	3.65	2.32	1.96	1.05	.76	.54	
CAL YR 1981	TOTAL	9788.3		MEAN	26.8	MAX	602	MIN	5.7	CFSM	1.02	IN.	13.90
WTR YR 1982	TOTAL	14386.2		MEAN	39.4	MAX	564	MIN	6.9	CFSM	1.50	IN.	20.43

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	13	12	26	17	38	60	161	101	99	31	18	11	
2	12	12	34	17	43	122	158	95	88	30	15	9.5	
3	11	11	24	17	142	61	453	91	80	27	14	9.2	
4	11	13	23	15	54	52	223	97	151	25	12	9.4	
5	10	46	21	17	44	50	191	83	93	24	12	9.6	
6	10	26	22	29	41	52	177	76	78	23	12	8.9	
7	10	17	21	23	44	67	172	71	75	21	12	8.7	
8	10	15	17	19	41	84	271	70	63	20	10	7.9	
9	11	12	16	18	38	90	380	72	57	19	9.5	7.4	
10	12	11	14	20	33	135	560	64	55	19	8.9	7.3	
11	9.8	9.2	15	118	31	88	206	62	53	17	156	7.3	
12	9.8	9.0	15	44	31	115	154	59	50	17	58	8.3	
13	10	80	12	35	41	78	131	58	49	17	30	14	
14	12	32	12	27	42	73	116	57	47	16	18	9.3	
15	11	17	14	28	45	70	111	59	46	15	16	7.9	
16	10	16	77	27	47	64	826	79	43	15	13	7.4	
17	9.8	15	46	25	51	62	323	92	42	13	12	7.3	
18	9.7	13	28	23	57	140	223	59	40	13	13	7.5	
19	9.5	13	23	22	58	411	211	56	46	24	13	7.4	
20	9.7	13	23	55	52	152	217	87	51	41	12	6.9	
21	10	13	22	78	51	340	206	86	44	20	11	12	
22	10	13	20	74	62	179	163	84	40	20	11	50	
23	9.4	14	18	77	78	148	135	207	37	16	10	15	
24	9.0	13	24	70	80	143	186	74	35	18	9.6	9.9	
25	12	12	24	48	67	138	219	63	32	24	9.2	8.7	
26	30	12	22	41	58	136	138	190	29	18	9.0	8.5	
27	19	12	19	36	50	183	121	275	25	15	8.9	9.1	
28	14	12	19	33	52	429	117	108	64	15	9.0	8.5	
29	13	65	20	32	---	206	112	125	83	14	18	8.2	
30	12	35	18	32	---	176	107	170	87	14	20	10	
31	12	---	17	39	---	170	---	108	---	39	12	---	
TOTAL	361.7	593.2	706	1156	1471	4274	6768	2978	1782	640	592.1	312.1	
MEAN	11.7	19.8	22.8	37.3	52.5	138	226	96.1	59.4	20.6	19.1	10.4	
MAX	30	80	77	118	142	429	826	275	151	41	156	50	
MIN	9.0	9.0	12	15	31	50	107	56	25	13	8.9	6.9	
CFSM	.45	.76	.87	1.42	2.00	5.27	8.63	3.67	2.27	.79	.73	.40	
IN.	.51	.84	1.00	1.64	2.09	6.07	9.61	4.23	2.53	.91	.84	.44	
CAL YR 1982	TOTAL	14296.8		MEAN	39.2	MAX	564	MIN	7.8	CFSM	1.50	IN.	20.30
WTR YR 1983	TOTAL	21634.1		MEAN	59.3	MAX	826	MIN	6.9	CFSM	2.26	IN.	30.72

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	48	61	34	71	151	63	182	192	47	30
2	25	15	44	58	33	65	151	59	145	70	52	27
3	18	16	44	57	40	63	145	61	126	47	58	30
4	12	15	108	57	155	60	169	325	113	41	48	75
5	11	13	75	56	69	76	1260	132	101	74	58	37
6	19	13	83	55	54	121	444	126	93	291	51	25
7	12	13	142	53	48	77	283	119	89	1170	45	21
8	10	13	64	49	41	66	208	166	77	187	43	20
9	10	13	63	47	41	66	168	137	71	128	40	20
10	10	15	62	48	42	60	144	85	66	107	42	20
11	10	51	59	51	55	59	127	78	59	194	43	23
12	18	38	128	40	81	55	114	91	55	155	55	21
13	32	24	529	44	63	62	105	99	54	94	58	19
14	41	21	287	48	71	247	99	87	53	82	41	19
15	24	23	145	44	408	121	128	75	48	76	36	20
16	12	101	119	39	150	124	225	70	45	85	33	20
17	9.0	40	103	45	102	118	127	67	47	70	40	19
18	9.0	29	90	44	90	102	130	65	59	86	37	19
19	44	25	82	43	85	96	131	68	57	71	36	18
20	29	23	72	40	80	90	108	74	45	59	40	18
21	16	68	62	36	72	129	95	118	41	160	35	17
22	13	40	265	33	67	124	88	68	39	87	31	17
23	21	32	143	30	66	94	94	74	38	64	38	17
24	240	34	85	29	179	86	99	81	68	58	40	17
25	44	118	64	104	92	84	85	63	197	53	33	16
26	30	60	65	62	78	79	76	63	49	50	33	17
27	24	50	68	56	70	75	71	67	42	126	24	17
28	20	55	160	52	105	99	69	71	39	68	22	18
29	17	149	239	43	96	122	68	517	37	56	22	18
30	16	58	77	41	---	103	65	593	41	53	23	17
31	15	---	66	41	---	122	---	287	---	51	27	---
TOTAL	825.0	1180	3641	1506	2567	2916	5227	4049	2176	4105	1231	672
MEAN	26.6	39.3	117	48.6	88.5	94.1	174	131	72.5	132	39.7	22.4
MAX	240	149	529	104	408	247	1260	593	197	1170	58	75
MIN	9.0	13	44	29	33	55	65	59	37	41	22	16
CFSM	1.02	1.50	4.47	1.85	3.38	3.59	6.64	5.00	2.77	5.04	1.52	.85
IN.	1.17	1.68	5.17	2.14	3.64	4.14	7.42	5.75	3.09	5.83	1.75	.95

CAL YR 1983	TOTAL	25619.2	MEAN	70.2	MAX	826	MIN	6.9	CFSM	2.68	IN.	36.38
WTR YR 1984	TOTAL	30095.0	MEAN	82.2	MAX	1260	MIN	9.0	CFSM	3.14	IN.	42.73

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.9	.0	.0	.0	.0	.0	.2	.0	.1	.0	.2	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
3	.2	1.3	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0
4	.0	.1	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0
5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.1
6	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0
8	.0	.0	.0	.0	.0	.6	.0	.5	.3	.0	.0	.0
9	.4	.0	.0	.0	.0	.0	1.7	.0	.6	.0	.0	.0
10	.8	.2	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0
11	.0	.7	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0
12	.2	.1	.0	.0	.0	.0	.0	1.0	.0	.0	.1	.0
13	.0	.0	.5	.0	.0	.0	.0	.3	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.3	.5	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.1	.0
16	.0	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.0	.6
18	.0	.0	.0	.5	.0	.2	.0	.2	.0	.0	.0	.3
19	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	2.6	.0	.3	.0	.0	.0	.0
22	.0	.0	.0	.0	.4	.3	.0	.0	.0	.4	.0	.0
23	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0
24	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0
25	.0	.0	.5	.0	.0	.4	.0	.0	.0	.0	.0	.0
26	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
28	.3	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.7	.3	.0	.9	1.0	.0	.0
30	.0	.0	.1	.0	---	.1	.0	.0	.1	.0	.0	.0
31	.0	---	.0	.0	---	1.7	---	.4	---	.0	.0	---
TOTAL	3.2	3.6	2.5	1.9	1.0	8.5	5.1	2.8	2.8	2.4	1.0	1.2

WTR YR 1980 TOTAL 36.0

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.2	.0	.7	.1	.0	.3	.0	1.2
2	.6	.0	.0	.0	1.1	.0	.2	.6	.7	.2	.0	.1
3	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
4	.1	.2	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0
5	.0	.0	.0	.1	.0	.0	.5	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.9	1.4
9	.0	.2	.1	.0	.0	.0	.0	.0	.3	.0	.0	.1
10	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
11	.1	.0	.0	.0	.7	.1	.0	3.8	.0	.0	.2	.0
12	.0	.0	.0	.0	.0	.1	.3	.2	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0
14	.0	.0	.0	.1	.0	.0	.8	.0	.4	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.3	.5	.0	.6	.0
16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.9
17	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.9	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.5	.3	.0	.0
22	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0
23	.0	.0	.0	.0	.7	.0	.8	.0	.0	.0	.0	.0
24	.0	1.3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
25	2.5	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
27	.0	.1	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0
28	.1	.2	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.7	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	4.4	2.8	.5	.4	4.8	1.4	3.8	6.0	3.0	4.5	2.1	3.9

CAL YR 1980 TOTAL 34.4

WTR YR 1981 TOTAL 37.6

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.0	1.3	.7	.0	.0	.0	.0	.2	.1	.0	.3
2	.2	.0	.5	.0	.2	.0	.0	.0	.3	.0	.0	.6
3	.0	.0	.0	.0	1.8	.0	1.9	.0	.0	.4	.0	.1
4	.0	.0	.0	2.8	.0	.1	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
6	.3	.6	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	1.0	.0	.0	.1	.0	.0	.0
8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.0
13	.0	.0	.0	.3	.0	.0	.1	.0	1.7	.0	.0	.0
14	.0	.0	.8	.1	.0	.0	.0	.0	.1	.0	.0	.0
15	.0	.2	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.1	.6	.0	.0	.1	.0	.0	.7	.0	.0	.1
17	.0	.0	.0	.0	.0	.1	.6	.0	.4	.0	.0	.0
18	.4	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.5	.0	.0	.0	.0	.0	.0	.0	.4	.0	.4
21	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
22	.5	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.4
23	.7	.0	.1	.6	.0	.0	.0	.3	.2	.0	.0	.5
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.6	.0	.0	.0	.0	.0	.0	.2	.0	.0	.7	.0
26	.3	.0	.0	.0	.0	.2	1.4	.0	.0	.2	.0	.0
27	1.0	.0	.2	.0	.0	.0	1.1	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.4	.3	.1	1.6	.0	.0
29	.0	.0	.0	.0	---	.0	.0	1.3	1.4	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.4	.0	.0	.0	.0
31	.0	---	.0	.0	---	.5	---	.2	---	.0	.0	---
TOTAL	4.7	1.4	5.0	4.7	2.0	2.1	6.7	3.0	5.3	2.7	2.2	3.4
CAL YR 1981	TOTAL	41.0										
WTR YR 1982	TOTAL	43.2										

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.3	.0	.0	.6	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.1	.0	.3	.0	1.6	.0	.2	.0	.0	.0
4	.0	.6	.0	.0	.0	.0	.0	.2	.5	.0	.0	.0
5	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.1	.0
6	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.2	.5	1.5	.1	.0	.0	.0	.0
9	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.2	.0	.6	1.5	.0	.0	.0	.0	.0
11	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	2.4	.0
12	.0	.1	.0	.0	.5	.2	.0	.0	.0	.3	.1	1.0
13	.2	1.1	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0
16	.0	.0	.8	.4	.0	.0	4.2	.9	.0	.0	.0	.0
17	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.3	.3	.2	1.5	1.4	.0	.0
20	.0	.0	.1	.2	.0	.0	.4	.6	.2	.0	.0	.0
21	.0	.0	.0	.0	.0	1.3	.0	.9	.1	.1	.0	1.3
22	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.3
23	.0	.0	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.1	.0	.0	.0	.5	.0	.0	.8	.0	.0
25	.8	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
26	.4	.1	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.6	.0	.2	.0	.0	.0	.0
28	.0	.6	.0	.0	.0	.1	.0	.0	1.9	.0	.4	.0
29	.0	.8	.0	.0	---	.0	.0	.6	.0	.0	.7	.0
30	.0	.0	.0	.1	---	.0	.0	.5	.0	.7	.0	.6
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.4	3.4	1.8	3.6	2.2	7.4	10.8	7.4	4.5	3.3	3.7	3.2

CAL YR 1982 TOTAL 38.7
WTR YR 1983 TOTAL 52.7

RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0
2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.1	.2	.0	.5	.0	.0	.0	.0	.0	.0	1.2
4	.0	.0	.8	.0	.1	.0	.8	1.9	.0	.0	.0	.6
5	.3	.0	.0	.0	.2	.7	2.5	.0	.0	1.3	.4	.0
6	.0	.0	1.0	.0	.0	.1	.0	.0	.0	.2	.0	.0
7	.0	.0	.0	.0	.1	.0	.0	.0	.0	4.2	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
10	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.6	.0	.4	.3	.0	.0	.0	.0	.1	.0	.0
12	.8	.0	1.4	.0	.0	.0	.0	.3	.0	.0	.2	.0
13	.3	.0	2.0	.0	.0	1.1	.0	.0	.1	.0	.0	.0
14	.5	.0	.2	.1	.0	.6	.0	.1	.0	.0	.1	.0
15	.0	1.0	.0	.0	.1	.0	.4	.0	.0	.0	.0	.1
16	.0	.1	.0	.0	.0	.0	.8	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
18	.2	.0	.0	.0	.0	.0	.2	.0	.1	.6	.0	.0
19	1.4	.0	.0	.0	.0	.0	.1	.2	.3	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
21	.0	.8	.0	.0	.0	.3	.0	.1	.0	1.7	.0	.0
22	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	2.4	.0	.0	.0	.4	.0	.2	.3	.0	.0	.2	.0
24	1.6	1.0	.0	1.0	.4	.0	.0	.0	1.7	.0	.0	.0
25	.0	.0	.0	.2	.1	.0	.0	.0	.1	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.1
28	.0	.8	1.3	.0	.5	.7	.0	.7	.0	.0	.0	.3
29	.0	.0	.0	.0	.0	.8	.0	2.2	.0	.0	.0	.0
30	.0	.0	.0	.0	---	1.2	.0	1.3	.3	.0	.0	.0
31	.0	---	.0	.0	---	.0	---	.2	---	.0	.0	---
TOTAL	8.6	5.4	8.5	1.9	2.7	5.8	5.0	9.3	2.8	11.0	.9	2.3
CAL YR 1983 TOTAL	68.6											
WTR YR 1984 TOTAL	64.2											

RARITAN RIVER BASIN

404615074370001 AUXILIARY RAIN GAGE - NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	.0	.0	.0	.0	.0	.1	.0	.1	.0
2			---	.0	.0	.0	.0	.0	.0	.0	.2	.0
3			---	.0	.0	.0	.0	.0	.6	.0	.1	.0
4			---	.0	.0	.0	.9	.0	.0	.0	.0	.0
5			.0	.0	.0	.2	.0	.0	.0	1.2	.7	.1
6			.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
7			.0	.0	.0	.0	.0	.2	.1	.0	.0	.0
8			.0	.0	.0	.3	.0	.5	.3	.0	.0	.0
9			.0	.0	.0	.0	1.9	.0	.6	.0	.0	.0
10			.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
11			.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0
12			.0	.0	.0	.0	.0	1.1	.0	.0	.1	.0
13			.6	.0	.0	.0	.0	.3	.0	.0	.0	.0
14			.0	.0	.0	1.2	.6	.1	.0	.0	.0	.0
15			.0	.0	.0	.4	.1	.0	.0	.0	.0	.0
16			.3	.0	.7	.0	.0	.0	.0	.0	.0	.0
17			.0	.0	.0	.3	.0	.0	.0	.1	.0	.4
18			.0	.5	.0	.3	.0	.1	.0	.0	.0	.2
19			.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
20			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21			.0	.0	.0	3.0	.0	.3	.0	.0	.0	.0
22			.0	.0	.4	.2	.0	.0	.0	.5	.0	.0
23			.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
24			.5	.0	.0	.4	.0	.0	.0	.0	.0	.0
25			.5	.0	.0	.4	.0	.0	.0	.0	.0	.1
26			.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
27			.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
28			.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0
29			.0	.0	.0	.7	.4	.0	1.0	.6	.0	.0
30			.0	.0	---	.0	.0	.0	.1	.0	.0	.0
31			.0	.0	---	.8	---	.4	---	.0	.0	---
TOTAL			---	1.9	1.1	8.4	6.1	3.0	2.8	2.6	1.2	.9

RARITAN RIVER BASIN

404615074370001 AUXILLARY RAIN GAGE - NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.2	.0	.7	.0	.0	.4	.0	1.2
2	.8	.0	.0	.0	1.3	.0	.2	.6	.6	.8	.0	.1
3	.5	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0
4	.1	.2	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
5	.0	.0	.0	.0	.0	.6	.6	.0	.0	.1	.0	.0
6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.1	.0	.0	.3	.0	.0	.0	.0	.0	.8	1.4
9	.0	.3	.2	.0	.0	.0	.1	.0	.2	.0	.0	.1
10	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
11	.0	.0	.0	.0	.8	.1	.0	4.1	.0	.0	.4	.0
12	.1	.0	.0	.0	.0	.0	.3	.1	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.8	.0	.4	.0	.0	.0
15	.0	.0	.2	.0	.0	.0	.0	1.2	.6	.0	.3	.0
16	.0	.0	.1	.0	.0	.0	.0	.0	.2	.0	.0	.9
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.0	1.7	.0	.0	.0	.0	.8	.0	.0
21	.0	.0	.0	.0	.2	.0	.0	.0	.7	.2	.0	.0
22	.0	.0	.0	.0	.4	.0	.0	.0	.2	.0	.0	.2
23	.0	.0	.0	.0	1.1	.0	.9	.0	.0	.0	.0	.0
24	.0	1.3	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
25	2.9	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0
27	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	.0	.0
28	.0	.4	.1	.0	.1	.0	.2	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.6	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	4.9	3.3	.7	.5	6.3	1.4	4.0	6.0	3.6	6.2	1.8	4.1
CAL YR 1980 TOTAL	36.9											
WTR YR 1981 TOTAL	42.8											

RARITAN RIVER BASIN

404615074370001 AUXILIARY RAIN GAGE - NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.6	.0	1.3	.8	.1	.0	.0	.0	.3	.0	.1	.5
2	.3	.0	.7	.0	.2	.0	.0	.0	.2	.0	.2	.7
3	.0	.0	.0	.0	1.8	.0	1.5	.0	.0	.3	.0	.1
4	.0	.0	.0	2.9	.0	.2	.0	.1	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0
6	.3	.4	.0	.0	.0	.1	.9	.0	.4	.1	.0	.0
7	.0	.0	.0	.0	.0	.9	.0	.0	.1	.0	.0	.0
8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0
9	.0	.0	.0	.0	.2	.1	.2	.0	.0	.0	1.6	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
12	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
13	.1	.0	.0	.5	.0	.1	.0	.0	2.2	.0	.0	.0
14	.0	.0	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.1	.5	.0	.0	.2	.0	.0	.9	.0	.0	.1
17	.0	.0	.0	.0	.0	.1	.5	.0	.5	.0	.0	.0
18	.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.4	.0	.0	.0	.0	.0	.0	.0	.6	.0	.3
21	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.4
23	.9	.0	.2	.9	.0	.0	.0	.5	.2	.0	.0	.8
24	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0
25	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	.0
26	.5	.0	.0	.0	.0	.2	1.8	.0	.0	.7	.0	.0
27	1.0	.0	.2	.0	.0	.0	1.3	.0	.0	.0	.0	1.4
28	.0	.0	.0	.0	.0	.0	.4	.3	.1	1.2	.0	.0
29	.0	.0	.0	.0	---	.0	.0	1.3	1.5	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.1	.1	.0	.0	.0
31	.0	---	.1	.4	---	.5	---	.1	---	.0	.0	---
TOTAL	4.4	1.0	5.3	5.7	2.8	2.5	7.2	2.7	6.8	2.9	3.8	4.3

CAL YR 1981 TOTAL 44.6
WTR YR 1982 TOTAL 49.4

RARITAN RIVER BASIN

404615074370001 AUXILIARY RAIN GAGE - NORTH BRANCH RARITAN RIVER AT FAR HILLS, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	.0	.4	.0	.0	.5	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.3	.0	1.5	.0	.1	.0	.0	.0
4	.0	.6	.1	.0	.0	.0	.0	.2	.7	.0	.0	.0
5	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.2	.0	.0	.0	.1	.0	.1	.0
7	.0	.0	.0	.1	.4	.2	.2	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.7	1.3	.1	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.5	.0	.7	1.6	.0	.0	.0	.0	.0
11	.0	.0	.0	.2	1.0	.6	.0	.0	.0	.0	2.8	.0
12	.0	.2	.0	.0	.1	.1	.0	.0	.0	.0	.1	.6
13	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0
16	.0	.0	1.0	.0	.0	.0	3.0	.6	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.5	.5	.2	.2	1.8	.0	.0
20	.0	.0	.1	.0	.0	.0	.2	.5	.1	.0	.0	.0
21	.0	.0	.0	.4	.0	1.3	.0	.2	.1	.2	.0	.4
22	.0	.0	.1	.0	.0	.0	.0	1.1	.0	.0	.0	.4
23	.0	.0	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.1
24	.0	.0	.1	.0	.0	.0	.6	.0	.0	.4	.0	.0
25	.9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1
26	.5	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0
27	.0	.0	.1	.0	.0	1.5	.0	.2	.0	.0	.0	.0
28	.0	.6	.0	.0	.0	.1	.0	.0	1.9	.0	.3	.0
29	.0	.7	.0	.0	---	.0	.0	.6	.0	.0	.5	.0
30	.0	.0	.0	.1	---	.0	.0	.4	.0	1.3	.0	.0
31	.0	---	.0	.1	---	.0	---	.0	---	.1	.0	---
TOTAL	1.8	3.5	2.2	4.0	2.5	8.3	9.4	6.4	3.2	3.8	3.8	1.6

CAL YR 1982 TOTAL 46.2
WTR YR 1983 TOTAL 50.5

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

LOCATION.--Lat 40°35'37", long 74°37'51", Somerset County, Hydrologic Unit 02030105, on left bank 12 ft upstream from bridge on Garretson Road, 1.5 mi north of Raritan, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--4.19 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORDS.--May 1978 to 1984.

GAGE.--Water-stage recorder. Datum of gage is 68.713 ft National Geodetic Vertical Datum of 1929 (levels by Somerset County).

REMARKS.--Water-discharge records fair.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,090 ft³/s July 7, 1984, gage height, 8.15 ft; no flow part or all of some days in most years.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
1980 Water year				Mar. 21	1215	555	5.69
				Mar. 27	2245	682	6.32
Mar. 21	1450	*814	6.92	Apr. 10	1230	643	6.13
Apr. 09	1245	639	6.11	Apr. 16	0840	*799	6.87
				May 22	2305	566	5.75
1981 water year				May 26	1900	570	5.77
May 11	2335	*940	7.46	1984 Water year			
1982 Water year				Dec. 22	1210	560	5.72
				Apr. 05	0655	613	5.99
Jan. 04	1045	*830	6.99	May 30	0455	685	6.34
1983 Water year				July 07	0450	*1090	8.15
Jan. 11	0100	506	5.44				

Selected storm rainfall-runoff data, 1980-84 water years, Peters Brook drainage basin

01400300 Peters Brook near Raritan NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1980														
10/01/1979	18:25	0.7	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7	327	3.4	0.39	0.56
10/09/1979	32:35	1.2	.1	.1	.1	.1	.3	.5	.7	1.1	112	1.2	.44	.36
11/02/1979	13:05	1.1	.1	.2	.2	.3	.5	.6	1.0	1.1	135	.87	.29	.26
11/26/1979	13:10	.9	.1	.1	.2	.4	.7	.8	.8	.9	256	1.0	.39	.44
12/24/1979	22:30	.7	.1	.1	.2	.3	.4	.4	.5	.7	170	2.7	.29	.42
3/10/1980	4:30	.6	.1	.1	.2	.3	.4	.6	--	--	85	1.8	.16	.27
3/21/1980	28:50	2.4	.1	.2	.3	.5	1.2	1.7	2.2	2.3	810	3.7	1.91	.79
3/24/1980	8:55	.9	.1	.1	.2	.3	.6	.7	.9		238	5.9	.45	.50
3/28/1980	26:20	.8	.1	.1	.1	.1	.2	.3	.4	.7	58	3.9	.29	.36
3/31/1980	18:50	1.6	.1	.1	.2	.3	.4	.7	1.0	1.6	321	6.2	1.02	.64
4/04/1980	12:45	.6	.1	.1	.2	.3	.5	.5	.5	.6	118	4.1	.29	.48
4/27/1980	48:40	2.2	.1	.2	.2	.4	.8	1.2	1.5	1.7	334	2.2	.86	.39
6/29/1980	0:55	1.2	.3	.7	1.0	1.2	--	--	--	--	159	.22	.13	.11
9/17/1980	5:25	2.3	.3	.7	.7	.9	1.8	2.3	--	--	114	.00	.20	.09
Water year 1981														
10/25/1980	13:45	2.4	0.1	0.2	0.3	0.5	1.4	2.0	2.3	2.4	217	0.15	0.42	0.18
11/24/1980	10:05	1.2	.1	.2	.3	.4	.6	.8	1.2	--	171	.51	.34	.29
5/02/1981	7:15	0.7	.1	.2	.2	.3	.3	.5	.7	--	59	1.1	.14	.21
5/10/1981	17:55	3.2	.3	.5	.6	1.0	1.4	1.9	2.9	3.2	940	.79	1.97	.62
5/15/1981	42:05	1.2	.1	.1	.2	.4	.7	1.0	1.0	1.0	288	2.0	.53	.44
7/04/1981	11:45	1.8	.1	.3	.4	.5	.8	1.2	1.8	--	147	.26	.30	.17
7/20/1981	37:10	1.4	.2	.4	.5	.5	.5	.6	.6	1.0	88	.19	.14	.10
9/01/1981	8:10	3.1	.3	.7	1.1	1.6	2.0	3.0	3.1	--	410	.13	.78	.25
9/08/1981	4:05	1.0	.3	.5	.6	.6	.8	1.0	--	--	189	.21	.20	.20
Water year 1982														
10/01/1981	4:10	1.0	0.2	0.4	0.4	0.5	0.8	1.0	--	--	82	0.13	0.15	0.15
10/23/1981	19:55	.8	.1	.1	.1	.1	.3	.4	.7	.8	36	.13	.11	.13
12/14/1981	39:15	2.4	.1	.1	.1	.2	.5	.9	1.1	1.9	312	.58	2.02	.84
4/17/1982	3:35	.9	.1	.2	.3	.4	.6	.9	--	--	217	.97	.25	.28
4/26/1982	15:05	1.4	.1	.1	.2	.3	.7	1.1	1.3	1.4	119	.59	.33	.24
4/27/1982	9:45	1.0	.1	.1	.2	.3	.6	.8	1.0	--	380	3.7	.70	.70
6/16/1982	7:55	.8	.1	.2	.2	.3	.5	.6	.8	--	182	1.2	.31	.39
6/29/1982	9:20	1.2	.2	.4	.5	.6	.7	1.1	1.2	--	65	.59	.15	.13
7/28/1982	12:45	2.6	.3	.6	1.0	1.3	1.4	2.1	2.3	2.6	318	.07	.50	.19
8/05/1982	0:30	.7	.2	.5	.7	--	--	--	--	--	188	.19	.11	.16
9/02/1982	2:35	.6	.2	.2	.3	.3	.6	--	--	--	39	.30	.06	.10
9/26/1982	16:55	1.2	.1	.2	.3	.5	.8	.9	1.0	1.2	108	.35	.14	.12

Selected storm rainfall-runoff data, 1980-84 water years, Peters Brook drainage basin--Continued

01400300 Peters Brook near Raritan NJ

Date	Duration of rain (hr:min)	Total rain	Accumulative Rainfall (inches)								Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
			5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1983														
11/04/1982	11:35	0.8	0.1	0.1	0.2	0.2	0.3	0.6	0.8	--	47	0.30	0.10	0.12
11/13/1982	6:15	1.4	.1	.2	.4	.6	.9	1.3	1.4	--	177	.35	.48	.34
11/28/1982	12:30	1.2	.1	.1	.1	.2	.5	.8	1.1	1.2	112	.35	.34	.28
3/10/1983	5:50	.6	.1	.1	.1	.2	.4	.6		--	148	4.7	.28	.47
3/18/1983	18:00	1.6	.1	.2	.2	.3	.7	1.0	1.3	1.6	356	1.5	.80	.50
3/21/1983	7:00	1.5	.1	.2	.3	.5	1.1	1.3	1.5	--	552	2.3	1.02	.68
3/27/1983	22:45	1.6	.1	.1	.2	.4	1.1	1.4	1.5	1.6	680	1.5	1.00	.63
4/02/1983	7:30	1.6	.1	.1	.2	.4	.8	1.3	1.6	--	483	3.3	.89	.56
4/07/1983	29:20	1.3	.1	.1	.2	.3	.5	.8	1.0	1.2	288	3.5	.61	.47
4/10/1983	13:30	1.7	.1	.2	.2	.4	.9	1.3	1.6	1.7	636	6.7	1.26	.74
4/16/1983	12:25	2.6	.1	.2	.3	.6	1.3	2.1	2.5	2.6	793	6.0	2.01	.77
4/24/1983	23:40	.9	.1	.1	.1	.2	.3	.4	.5	.9	145	3.1	.48	.53
5/22/1983	2:45	.8	.1	.3	.4	.6	.8	--	--	--	564	2.3	.54	.67
5/26/1983	8:10	1.6	.2	.3	.3	.5	1.0	1.4	1.6	--	569	1.4	1.30	.81
8/11/1983	3:05	1.1	.1	.3	.6	.8	1.0	1.1	--	--	177	.03	.14	.13
9/21/1983	7:30	1.2	.1	.2	.4	.5	1.0	1.1	1.2	--	38	.01	.05	.04
Water year 1984														
12/04/1983	6:05	1.1	0.1	0.1	0.2	0.3	0.7	1.0	1.1	--	490	2.7	0.80	0.73
12/12/1983	47:35	3.2	.1	.1	.2	.3	.6	.8	1.2	2.0	459	2.0	2.68	.84
12/22/1983	12:50	1.6	.1	.1	.2	.3	.7	1.2	1.5	--	556	3.1	.90	.56
12/28/1983	5:50	1.1	.1	.1	.2	.3	.7	1.1	--	--	477	3.7	.63	.57
4/04/1984	22:45	2.5	.1	.1	.2	.3	.6	1.1	1.8	2.5	603	9.9	2.26	.90
5/20/1984	6:25	1.2	.1	.2	.4	.5	.7	1.1	1.2	--	374	.35	.49	.41
5/28/1984	73:30	4.5	.2	.2	.4	.5	.8	1.0	1.6	2.8	685	.53	3.46	.77
7/07/1984	7:20	3.3	.3	.6	.9	1.2	2.1	3.0	3.3	--	1092	.98	2.02	.61

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	44	.77	1.1	1.1	.68	.55	30	4.9	1.7	.42	.09	.00	
2	6.0	.80	1.0	1.1	.68	.58	6.8	3.6	1.1	.36	.05	.00	
3	6.5	32	.93	.98	.65	.55	4.7	3.1	3.7	.45	.03	.00	
4	2.8	3.4	.94	.91	.69	.61	34	2.8	1.2	.31	.02	.00	
5	3.5	1.8	.93	.95	.68	1.0	6.6	2.4	.72	2.0	.02	.00	
6	2.6	1.4	5.3	.85	.67	.78	4.0	2.2	.50	3.0	.02	.00	
7	1.6	1.2	11	.89	.72	.70	3.3	2.6	.56	.46	.67	.00	
8	1.2	1.0	1.9	.91	.71	3.4	3.0	11	1.4	.35	.07	.00	
9	3.2	.97	1.3	.78	.73	3.7	122	3.1	1.5	.26	.05	.00	
10	44	4.5	1.2	.66	.73	3.7	26	2.4	1.8	.25	.01	.00	
11	5.9	11	1.1	43	.67	18	6.7	2.4	.81	.22	.01	.00	
12	5.6	26	1.1	22	.71	1.8	4.7	7.2	.60	.27	.02	.00	
13	4.1	3.1	17	2.3	.66	1.0	3.9	12	.47	.18	.01	.00	
14	2.2	2.7	3.9	2.1	.68	2.5	8.9	6.0	.43	.15	.01	.00	
15	1.7	1.8	1.9	2.2	.74	4.3	8.2	3.0	.46	.13	.03	.00	
16	1.4	1.5	1.9	1.6	4.5	6.6	4.0	2.2	.37	.18	.01	.00	
17	1.2	1.3	4.3	1.4	1.5	48	3.3	1.9	.26	.37	.00	2.4	
18	1.1	1.1	1.4	8.5	.65	42	3.1	2.7	.27	.14	.00	20	
19	1.2	1.0	1.1	17	.59	4.1	2.8	2.7	.27	.09	.03	.21	
20	1.1	1.0	1.1	2.6	.61	3.2	2.6	2.6	.25	.07	.04	.05	
21	1.1	.98	1.1	1.8	.74	184	2.6	8.5	.19	.05	.00	.03	
22	1.1	.96	1.5	1.7	9.6	31	1.9	3.0	.21	.38	.00	.01	
23	1.0	.96	3.7	2.0	4.5	9.8	2.4	2.0	.19	.32	.00	.01	
24	1.4	.96	6.6	1.4	2.0	9.0	2.3	1.8	.21	.08	.00	.00	
25	1.1	.96	31	1.2	1.5	52	2.4	1.7	.20	.03	.00	.01	
26	.96	43	3.7	1.1	1.1	7.1	2.0	1.5	.18	.03	.00	.19	
27	.90	4.4	2.2	.98	.95	4.9	2.8	1.3	.59	.03	.00	.00	
28	2.3	2.2	1.7	.99	.89	4.1	66	1.2	.28	.02	.00	.00	
29	1.3	1.6	1.6	.90	.70	29	28	1.0	1.3	4.6	.00	.01	
30	.90	1.3	1.5	.80	---	12	7.6	.92	14	.66	.00	.01	
31	.81	---	1.2	.78	---	96	---	1.2	---	.09	.00	---	
TOTAL	153.77	155.66	116.20	125.48	40.23	585.97	406.6	104.92	35.72	15.95	1.19	22.93	
MEAN	4.96	5.19	3.75	4.05	1.39	18.9	13.6	3.38	1.19	.51	.04	.76	
MAX	44	43	31	43	9.6	184	122	12	14	4.6	.67	20	
MIN	.81	.77	.93	.66	.59	.55	1.9	.92	.18	.02	.00	.00	
CFSM	1.18	1.24	.89	.97	.33	4.51	3.25	.81	.28	.12	.01	.18	
IN.	1.37	1.38	1.03	1.11	.36	5.20	3.61	.93	.32	.14	.01	.20	
CAL YR 1979	TOTAL	3191.33		MEAN	8.74	MAX	400	MIN	.15	CFSM	2.09	IN.	28.33
WTR YR 1980	TOTAL	1764.62		MEAN	4.82	MAX	184	MIN	.00	CFSM	1.15	IN.	15.67

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.03	.35	1.1	.22	.20	3.7	16	.98	.40	.24	.19	81	
2	1.1	.27	.98	.23	57	2.7	14	16	6.5	.24	.18	6.5	
3	2.9	.19	.98	.18	11	2.2	3.2	2.8	1.0	.20	.19	.48	
4	3.2	.97	1.6	.17	2.3	1.9	2.3	1.6	2.4	29	.18	.30	
5	.28	.85	.55	.16	1.4	2.2	9.3	1.2	.76	5.0	.43	.24	
6	.11	.55	.50	.18	1.1	3.2	10	1.1	.63	.70	.18	.20	
7	.14	.33	.49	.28	1.1	4.2	2.6	1.0	.60	.41	.16	.19	
8	.09	.29	.45	.28	4.9	8.1	1.9	.99	.46	.31	3.3	16	
9	.06	1.6	.49	.20	3.4	5.5	1.9	.86	1.5	.32	.38	7.3	
10	.05	1.1	.88	.19	1.3	3.3	1.7	.85	1.0	.26	.26	.44	
11	.08	.38	.47	.16	44	4.2	1.5	139	.65	.22	.23	.31	
12	.09	.36	.40	.13	11	3.7	3.0	77	.41	.20	.40	.22	
13	.07	.38	.40	.13	2.6	2.9	1.8	8.0	.32	.41	.27	.14	
14	.07	.42	.34	.13	1.9	2.2	25	3.5	4.7	.31	.21	.14	
15	.07	.48	.25	.13	1.6	1.9	6.1	21	5.5	.34	.22	.64	
16	.07	.40	.41	.15	1.5	2.1	2.5	41	.75	.19	3.2	20	
17	.07	.38	.49	.20	1.7	2.0	2.1	3.8	.52	.18	.26	.82	
18	2.4	10	.37	.16	2.0	1.8	1.8	2.0	.35	.17	.20	2.9	
19	1.1	2.5	.37	.25	3.0	1.4	1.4	1.5	.32	.16	.18	.57	
20	.21	1.0	.17	.35	83	1.3	1.3	1.2	.59	1.5	.17	.25	
21	.13	.70	.13	.34	17	1.3	1.2	.99	.37	11	.15	.20	
22	.15	.56	.12	.22	13	1.2	1.0	.85	.61	2.9	.16	.18	
23	.14	.47	.21	.24	25	1.3	4.2	.77	.34	.38	.16	.18	
24	.14	28	.35	.28	35	1.3	5.8	.69	.28	.27	2.0	.14	
25	43	12	.26	.28	5.5	1.2	1.9	.57	10	.24	.29	.13	
26	4.7	2.9	.17	.33	3.7	1.2	1.3	.54	1.4	.23	.18	.13	
27	1.1	1.5	.22	.55	2.9	1.2	1.1	.49	.39	.70	.16	.14	
28	.90	4.9	.30	.51	3.9	1.1	1.0	.48	.28	.28	.13	.13	
29	.61	3.3	.57	.36	---	1.0	2.6	.56	.24	.95	.13	.12	
30	.43	1.6	.74	.22	---	11	1.1	.46	.23	.26	.14	.13	
31	.41	---	.31	.19	---	6.1	---	.43	---	.21	.15	---	
TOTAL	63.90	78.73	15.07	7.40	342.00	88.4	130.6	332.21	43.50	57.78	14.44	140.12	
MEAN	2.06	2.62	.49	.24	12.2	2.85	4.35	10.7	1.45	1.86	.47	4.67	
MAX	43	28	1.6	.55	83	11	25	139	10	29	3.3	81	
MIN	.03	.19	.12	.13	.20	1.0	1.0	.43	.23	.16	.13	.12	
CFSM	.49	.63	.12	.06	2.91	.68	1.04	2.55	.35	.44	.11	1.11	
IN.	.57	.70	.13	.07	3.04	.78	1.16	2.95	.39	.51	.13	1.24	
CAL YR 1980	TOTAL	1496.69		MEAN	4.09	MAX	184	MIN	.00	CFSM	.98	IN.	13.29
WTR YR 1981	TOTAL	1314.15		MEAN	3.60	MAX	139	MIN	.03	CFSM	.86	IN.	11.67

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.1	.37	30	60	116	1.4	7.4	1.4	.40	.89	.26	.94	
2	15	.33	94	6.3	23	1.5	1.5	1.2	9.1	.70	.24	1.6	
3	.24	.30	4.2	1.4	205	1.5	87	.94	.22	2.2	.21	6.5	
4	.16	.28	1.6	243	38	1.3	25	.83	.15	1.2	.18	.46	
5	.14	.32	1.2	24	10	2.5	4.3	.73	.17	.63	13	.28	
6	3.4	19	1.0	10	5.0	2.1	5.7	.68	.19	.51	.78	.21	
7	1.9	.95	.99	7.7	2.9	67	6.0	.67	.22	.43	.51	.20	
8	.24	.50	7.5	4.9	2.2	17	14	.60	.15	.34	.51	.17	
9	.18	.42	2.2	3.8	3.3	3.3	7.1	.56	.12	.31	6.9	.19	
10	.18	.38	1.1	2.5	2.8	2.1	13	.45	.11	.29	1.6	.17	
11	.15	.36	.89	1.7	1.9	2.8	7.1	.38	.11	.28	1.1	.14	
12	.13	.36	.76	1.3	1.5	3.8	3.7	.47	.10	.28	1.9	.13	
13	.13	.32	.64	1.2	1.4	3.4	3.0	.59	75	.24	.85	.12	
14	.15	.32	1.3	1.3	1.4	2.7	2.6	.44	4.8	.23	.95	.12	
15	.15	.46	147	1.1	1.9	1.8	1.6	.39	2.2	.21	.58	.12	
16	.15	2.7	71	.91	3.7	1.7	1.1	.27	3.2	.20	.49	.20	
17	.16	.64	11	.80	2.7	3.9	2.3	.40	34	.19	.33	.09	
18	4.4	.56	3.9	.63	1.9	2.2	28	.21	2.0	.17	.26	.06	
19	1.6	.46	1.6	.46	18	1.7	1.8	.21	1.4	.17	.24	.05	
20	.17	2.0	.99	.37	13	1.5	1.2	.20	1.0	.21	.23	.59	
21	.15	.85	.78	.42	16	1.9	1.0	.18	.94	.17	.22	.34	
22	.14	.55	.82	.66	9.1	1.6	.84	.14	.80	.14	.21	1.2	
23	7.4	.47	32	13	4.1	1.3	.73	.19	1.5	.14	.23	24	
24	5.1	.47	6.8	23	3.2	1.2	.63	.15	.69	.12	.22	.69	
25	.35	.46	2.5	6.1	2.0	1.1	.61	4.7	.54	.10	4.3	.42	
26	6.3	.43	1.2	2.4	1.6	1.5	30	.45	.46	.09	.45	.27	
27	36	.46	5.1	2.0	1.5	1.1	43	.11	.48	.08	.30	16	
28	18	.43	3.8	1.8	1.5	.94	50	.12	.62	56	.24	.82	
29	.97	.40	2.1	1.7	---	.92	3.9	56	16	1.5	.19	.47	
30	.55	.39	1.1	1.6	---	.94	1.9	5.1	2.7	.52	.24	.39	
31	.42	---	.79	10	---	12	---	.57	---	.32	.21	---	
TOTAL	106.11	35.94	439.86	436.05	494.6	149.70	356.01	79.33	159.37	68.86	37.93	56.94	
MEAN	3.42	1.20	14.2	14.1	17.7	4.83	11.9	2.56	5.31	2.22	1.22	1.90	
MAX	36	19	147	243	205	67	87	56	75	56	13	24	
MIN	.13	.28	.64	.37	1.4	.92	.61	.11	.10	.08	.18	.05	
CFSM	.82	.29	3.39	3.37	4.22	1.15	2.84	.61	1.27	.53	.29	.45	
IN.	.94	.32	3.91	3.87	4.39	1.33	3.16	.70	1.41	.61	.34	.51	
CAL YR 1981	TOTAL	1738.36		MEAN	4.76	MAX	147	MIN	.12	CFSM	1.14	IN.	15.43
WTR YR 1982	TOTAL	2420.70		MEAN	6.63	MAX	243	MIN	.05	CFSM	1.58	IN.	21.49

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.34	.26	15	.61	2.0	13	3.9	2.0	2.6	.56	.47	.06	
2	.28	.27	4.8	.59	10	23	3.5	1.6	1.9	.49	.46	.04	
3	.22	.26	1.8	.55	29	3.0	104	1.5	1.7	.44	.34	.04	
4	.27	1.5	1.7	.48	3.2	2.2	7.2	2.4	9.6	.37	.89	.03	
5	.26	11	1.2	15	1.6	1.8	4.7	1.4	2.0	.36	.47	.04	
6	.29	.76	2.2	19	1.3	1.7	3.9	1.2	1.7	.35	.32	.03	
7	.24	.45	1.1	2.0	1.5	2.6	3.7	1.1	1.4	.30	.14	.02	
8	.24	.38	.91	1.2	1.5	25	58	1.1	1.2	.26	.12	.01	
9	.29	.34	.84	.97	1.3	19	17	1.2	1.1	.26	.06	.02	
10	.23	.30	.74	12	1.1	36	143	1.0	1.0	.23	.03	.03	
11	.21	.30	.83	64	.83	6.1	16	.94	.99	.22	15	.02	
12	.21	.30	.76	3.1	1.1	9.8	8.7	.94	.96	.20	1.3	1.0	
13	.39	54	.62	1.6	1.2	3.1	6.7	.85	.86	.16	.36	.49	
14	.55	1.6	.58	1.2	1.0	2.4	5.8	.86	.74	.13	.36	.04	
15	.32	.93	.67	4.1	1.1	2.2	5.6	1.0	.71	.15	.27	.03	
16	.26	.69	20	6.1	2.2	1.8	223	7.7	.69	.16	.23	.03	
17	.21	.60	2.5	2.9	9.3	1.7	15	2.7	.72	.16	.14	.03	
18	.21	.56	1.0	1.7	22	59	6.7	1.1	.67	.16	.13	.03	
19	.21	.50	.89	1.1	14	34	16	1.0	.81	.31	.11	.02	
20	.22	.42	1.1	.96	8.9	4.0	18	2.5	1.5	.22	.07	.01	
21	.21	.40	1.2	.94	12	112	6.1	10	1.5	.17	.04	4.2	
22	.32	.43	1.0	.91	22	8.0	4.0	41	.95	.17	.04	2.1	
23	.23	.41	.91	58	23	3.1	3.1	26	.74	.14	.03	.19	
24	.19	.37	1.5	32	9.0	2.2	18	4.8	.63	.49	.03	.10	
25	3.7	.31	1.1	12	4.5	1.8	42	1.7	.54	.30	.03	.09	
26	12	.34	1.1	5.6	2.6	1.5	5.5	113	.54	.24	.03	.10	
27	.69	.36	.85	2.5	2.0	79	3.5	35	.54	.20	.03	.07	
28	.42	.58	.83	1.9	1.9	36	2.9	4.4	9.0	.17	.04	.08	
29	.33	38	.84	1.5	---	6.9	2.3	16	2.4	.22	.08	.10	
30	.29	1.9	.69	2.1	---	4.9	2.1	16	.72	.40	.12	.60	
31	.26	---	.63	3.3	---	4.3	---	4.0	---	.63	.06	---	
TOTAL	24.09	118.52	69.89	259.91	191.13	511.1	759.9	305.99	50.41	8.62	21.80	9.65	
MEAN	.78	3.95	2.25	8.38	6.83	16.5	25.3	9.87	1.68	.28	.70	.32	
MAX	12	54	20	64	29	112	223	113	9.6	.63	15	4.2	
MIN	.19	.26	.58	.48	.83	1.5	2.1	.85	.54	.13	.03	.01	
CFSM	.19	.94	.54	2.00	1.63	3.94	6.04	2.36	.40	.07	.17	.08	
IN.	.21	1.05	.62	2.31	1.70	4.54	6.75	2.72	.45	.08	.19	.09	
CAL YR 1982	TOTAL	2051.29		MEAN	5.62	MAX	243	MIN	.05	CFSM	1.34	IN.	18.21
WTR YR 1983	TOTAL	2331.01		MEAN	6.39	MAX	223	MIN	.01	CFSM	1.53	IN.	20.70

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.25	.10	2.0	1.5	1.4	2.5	13	.35	10	5.5	.59	.11	
2	7.7	.09	1.0	1.5	.72	1.3	7.5	.28	8.0	1.7	.49	.10	
3	.82	.11	3.4	1.1	4.3	.94	5.0	2.1	6.8	.42	.46	.38	
4	.13	.29	95	1.1	37	.75	27	24	6.0	.29	1.6	2.8	
5	3.6	.11	7.9	1.1	8.4	7.0	249	5.4	5.2	.95	3.8	.23	
6	1.8	.08	30	1.1	7.5	14	12	2.7	4.6	6.0	.90	.17	
7	.32	.08	11	1.3	3.8	5.4	7.7	1.8	3.8	235	.42	.14	
8	.22	.11	4.6	.94	1.8	2.6	5.2	20	2.9	6.9	.42	.14	
9	.18	.08	3.2	.73	1.2	2.3	3.8	9.8	2.2	4.2	.40	.13	
10	.15	8.0	3.0	3.0	3.2	1.7	2.8	3.0	1.5	3.2	.36	.13	
11	.15	8.0	2.1	4.3	8.5	1.7	2.0	1.6	1.0	3.1	.27	.19	
12	2.8	2.2	61	1.3	11	1.1	1.3	4.8	.73	2.5	.36	.13	
13	1.0	.59	219	.89	6.1	26	.93	3.2	.80	1.2	.30	.08	
14	4.7	.37	32	1.1	9.2	79	1.2	3.1	2.5	.79	.23	.08	
15	.26	27	7.8	.96	134	12	8.3	.77	.54	.76	.19	.10	
16	.11	44	5.9	.77	11	8.7	45	.55	.37	2.9	.91	.10	
17	.07	3.4	4.8	.66	6.4	6.1	7.7	.40	1.2	1.0	.72	.11	
18	.05	1.0	3.9	.67	5.3	4.2	4.9	.35	4.8	5.7	.11	.11	
19	9.6	.59	3.6	.79	4.1	3.2	3.6	1.0	21	1.8	.14	.09	
20	.56	.46	2.8	.59	3.3	2.4	2.9	33	1.8	.71	.11	.11	
21	.17	40	2.4	.50	2.2	5.5	1.7	30	.79	34	.11	.07	
22	.11	3.1	108	.44	1.3	4.6	.95	2.5	.50	4.8	.09	.06	
23	31	1.1	9.6	.48	1.5	2.6	4.3	5.6	.40	2.0	1.8	.07	
24	78	4.6	6.1	4.6	24	1.2	4.1	3.7	15	1.1	.18	.08	
25	3.3	62	4.2	13	6.2	1.0	1.6	.79	21	.74	.13	.08	
26	.86	6.3	3.2	9.8	3.7	.88	.79	4.1	2.1	.52	.11	.08	
27	.48	3.0	3.0	9.6	2.2	.65	.60	2.3	.82	32	.11	.08	
28	.27	16	78	6.5	14	19	.51	12	.41	3.7	.10	1.0	
29	.16	23	9.7	3.4	6.2	61	.52	166	.36	1.7	.11	.13	
30	.12	4.2	4.5	2.4	---	33	.49	191	2.8	1.0	.11	.09	
31	.12	---	2.7	2.9	---	51	---	31	---	.74	.14	---	
TOTAL	149.06	259.96	735.4	79.02	329.52	363.32	426.39	567.19	129.92	366.92	15.77	7.17	
MEAN	4.81	8.67	23.7	2.55	11.4	11.7	14.2	18.3	4.33	11.8	.51	.24	
MAX	78	62	219	13	134	79	249	191	21	235	3.8	2.8	
MIN	.05	.08	1.0	.44	.72	.65	.49	.28	.36	.29	.09	.06	
CFSM	1.15	2.07	5.66	.61	2.72	2.79	3.39	4.37	1.03	2.82	.12	.06	
IN.	1.32	2.31	6.53	.70	2.93	3.23	3.79	5.04	1.15	3.26	.14	.06	
CAL YR 1983	TOTAL	3262.93		MEAN	8.94	MAX	223	MIN	.01	CFSM	2.13	IN.	28.97
WTR YR 1984	TOTAL	3429.64		MEAN	9.37	MAX	249	MIN	.05	CFSM	2.24	IN.	30.45

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.3	1.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0
4	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
5	.2	.0	.0	.1	.0	.2	.0	.0	.0	.6	.0	.0
6	.0	.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.3	.0	.5	.2	.0	.1	.0
9	.4	.0	.0	.0	.0	.0	1.9	.0	.3	.0	.0	.0
10	.8	.4	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
11	.0	.6	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0
12	.2	.1	.0	.1	.0	.0	.0	.4	.0	.0	.0	.0
13	.0	.0	.6	.0	.0	.0	.0	.2	.0	.0	.0	.0
14	.0	.1	.0	.0	.0	.7	.4	.2	.0	.0	.0	.0
15	.0	.0	.1	.0	.0	.4	.1	.0	.0	.0	.1	.0
16	.0	.0	.2	.0	.6	.0	.0	.0	.0	.1	.0	.0
17	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.6
18	.0	.0	.0	.5	.0	.1	.0	.2	.0	.0	.0	.7
19	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0
20	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	2.0	.0	.5	.0	.0	.0	.0
22	.0	.0	.2	.1	.4	.2	.0	.0	.0	.3	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.2	.0	.0	.6	.0	.0	.0	.0	.0	.0
25	.0	.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.1
26	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0
28	.3	.0	.0	.0	.0	.1	1.5	.0	.0	.0	.0	.0
29	.1	.0	.0	.0	.0	.7	.4	.0	1.1	.8	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.1	.0	.0	.0
31	.0	---	.0	.0	---	1.6	---	.2	---	.0	.0	---
TOTAL	3.2	3.2	2.5	2.3	1.0	8.0	5.2	2.4	2.5	2.0	.3	2.5

WTR YR 1980 TOTAL 35.1

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.6	.0	.0	.0	.0	2.6
2	.6	.0	.0	.1	1.2	.0	.1	.7	.7	.0	.0	.0
3	.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
4	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.3	.0
6	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.7	.8
9	.0	.4	.1	.0	.0	.0	.1	.0	.2	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
11	.0	.0	.0	.0	.9	.2	.0	2.9	.0	.0	.2	.0
12	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14	.0	.0	.0	.0	.0	.0	.8	.0	.6	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.0	.4	.5
16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
19	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.3	.0	.0	.0	.2	.7	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.0	.7	.0	.0
22	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0
23	.0	.0	.1	.0	.7	.0	.6	.0	.0	.0	.0	.0
24	.0	1.2	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0
25	2.4	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
28	.0	.3	.1	.0	.2	.0	.2	.0	.0	.0	.0	.0
29	.0	.0	.1	.0	---	.0	.0	.0	.0	.4	.0	.0
30	.0	.0	.0	.0	---	.6	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.9	3.2	.5	.4	5.4	1.0	3.2	4.6	3.0	4.0	1.7	5.0
CAL YR 1980 TOTAL	33.8											
WTR YR 1981 TOTAL	35.9											

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.0	1.1	.7	.0	.0	.1	.0	.1	.2	.0	.4
2	.3	.2	.7	.0	.4	.1	.0	.0	.3	.0	.0	.5
3	.0	.0	.0	.0	1.6	.0	1.8	.0	2.0	.4	.0	.1
4	.0	.1	.0	2.7	.0	.1	.1	.2	.1	.0	.0	.1
5	.0	.0	.0	.0	.0	.2	.1	.1	.2	.0	.7	.0
6	.4	.7	.0	.0	.0	.2	.2	.0	.0	.1	.0	.0
7	.0	.0	.0	.0	.4	1.0	.0	.1	.1	.0	.0	.0
8	.0	.1	.2	.0	.0	.0	.2	.0	.0	.0	.1	.0
9	.0	.1	.0	.1	.3	.1	.1	.0	.4	.0	.5	.0
10	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.0
13	.0	.0	.1	.0	.0	.0	.1	.1	1.8	.0	.0	.0
14	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.4	1.2	.0	.0	.0	.0	.0	.0	.0	.2	.0
16	.0	.6	.4	.0	.0	.5	.0	.8	.5	.0	.0	.0
17	.0	.1	.0	.0	.0	.0	.5	.0	.3	.0	.0	.0
18	.6	.0	.0	.0	.0	.0	.4	.0	.6	.0	.0	.0
19	.0	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0
20	.0	1.8	.0	.0	.1	.0	.0	.7	.0	.1	.0	.4
21	.0	.6	.0	.9	.1	.1	.1	.6	.0	.2	.0	.0
22	.0	.0	.0	.6	.0	.5	.2	.0	.2	.0	.0	.3
23	.8	.1	.1	1.1	.0	.0	.0	.5	.1	.0	.0	1.5
24	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0
25	.1	.3	.3	.0	.1	.0	.1	.5	.0	.0	.6	.0
26	.4	.0	.0	.0	.0	.4	1.3	.0	.0	.0	.0	.2
27	1.1	.0	.1	.0	.0	.0	.9	.1	.0	.0	.0	1.1
28	.0	.0	.1	.0	.0	.4	.5	.7	.1	2.6	.0	.0
29	.0	.0	.1	.1	---	.0	.0	.9	1.2	.1	.0	.5
30	.0	.0	.0	.0	---	.0	.0	.3	.0	.0	.0	.0
31	.0	---	.1	.5	---	.8	---	.1	---	.0	.0	---
TOTAL	4.4	5.3	5.3	6.9	3.6	4.5	6.7	6.0	8.0	3.7	2.4	5.1

CAL YR 1981 TOTAL 43.3

WTR YR 1982 TOTAL 61.9

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.4	.0	.0	.6	.0	.0	.0	.0	.2	.0
2	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.1	.0	.3	.0	1.6	.0	.1	.0	.0	.0
4	.0	.4	.0	.0	.0	.0	.0	.1	.4	.0	.5	.0
5	.0	.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.1	.7	1.1	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0
10	.0	.0	.0	1.0	.0	.6	1.7	.0	.0	.0	.0	.0
11	.0	.0	.1	.1	.0	.2	.0	.1	.0	.0	1.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
13	.2	1.4	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0
14	.1	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0
15	.0	.0	.1	.6	.4	.0	.0	.2	.0	.0	.0	.0
16	.0	.0	.6	.0	.1	.0	2.6	.9	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.3	.1	.0	.0	.0	.0	.0
19	.0	.0	.1	.0	.0	.3	.3	.1	.3	.5	.0	.0
20	.0	.0	.1	.0	.0	.0	.0	.2	.3	.0	.0	.0
21	.0	.0	.1	.1	.0	1.5	.0	.6	.1	.1	.0	1.1
22	.0	.0	.0	.1	.0	.0	.0	.8	.0	.0	.0	.1
23	.0	.0	.0	1.0	.1	.0	.0	.2	.0	.0	.0	.0
24	.1	.0	.1	.0	.0	.0	.7	.1	.0	.4	.0	.0
25	.7	.0	.1	.0	.0	.0	.6	.0	.0	.0	.0	.0
26	.8	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	1.5	.0	.1	.0	.0	.0	.0
28	.0	.6	.0	.0	.0	.1	.0	.0	1.1	.0	.0	.0
29	.0	.6	.0	.0	---	.0	.0	.4	.0	.0	.1	.0
30	.0	.0	.0	.1	---	.0	.0	.1	.0	.4	.0	.5
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.9	3.4	1.9	4.4	1.6	7.3	8.9	5.8	2.4	1.4	1.9	2.4

CAL YR 1982 TOTAL 54.1
WTR YR 1983 TOTAL 43.3

RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
2	.5	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0
3	.0	.0	.3	.0	.2	.0	.0	.8	.0	.0	.0	.3
4	.0	.0	1.1	.0	.2	.0	.5	.4	.0	.0	.1	.3
5	.4	.0	.0	.0	.1	.7	2.0	.1	.0	.3	.4	.0
6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.3	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.1	.0	3.3	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.1	.0	.3
11	.0	.2	.0	.0	.2	.0	.0	.0	.0	.2	.1	.0
12	.5	.0	1.4	.0	.0	.0	.0	.2	.1	.1	.1	.0
13	.2	.0	1.6	.0	.0	.7	.0	.0	.1	.0	.0	.0
14	.2	.0	.2	.0	.2	.4	.5	.1	.0	.1	.0	.0
15	.0	1.1	.0	.0	1.2	.0	.4	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.5	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.0	.0
19	.8	.0	.0	.0	.0	.0	.1	.1	.9	.0	.0	.0
20	.0	.5	.0	.0	.0	.0	.2	1.1	.0	.0	.0	.0
21	.0	.8	.0	.0	.0	.3	.0	.1	.0	1.7	.0	.0
22	.0	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0
23	1.0	.0	.0	.0	.6	.0	.3	.3	.0	.0	.4	.0
24	.0	.4	.0	.8	.1	.0	.0	.0	1.3	.0	.0	.0
25	.0	.6	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
27	.0	.0	.1	.0	.0	.0	.0	.0	.0	1.2	.0	.1
28	.0	.8	1.1	.0	.5	.9	.0	1.1	.0	.0	.0	.4
29	.0	.1	.0	.0	.1	1.3	.0	1.4	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.7	.0	1.7	.2	.0	.0	.0
31	.0	---	.0	.1	---	.0	---	.4	---	.0	.0	---
TOTAL	4.1	5.5	8.0	1.7	3.6	5.0	4.6	9.2	3.1	8.5	1.1	1.4

CAL YR 1983 TOTAL 53.7

WTR YR 1984 TOTAL 55.8

RARITAN RIVER BASIN

403645074384201 AUXILIARY RAIN GAGE - PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
2	.0	.1	.0	.0	.0	.0	.0	.0	.4	.0	.3	.0
3	.3	1.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.1	.0
5	.2	.0	.0	.1	.0	.1	.0	.0	.0	.4	.0	.0
6	.0	.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.3	.0	.3	.1	.0	.0	.0
9	.4	.0	.0	.0	.0	.0	2.0	.0	.4	.0	.0	.0
10	.8	.3	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
11	.0	.6	.0	1.3	.0	.1	.0	.0	.0	.0	.2	.0
12	.2	.2	.0	.2	.0	.0	.0	.5	.0	.0	.0	.0
13	.0	.0	.6	.0	.0	.0	.0	.5	.0	.0	.0	.0
14	.0	.1	.0	.0	.0	.6	.4	.2	.0	.0	.0	.1
15	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
16	.0	.0	.2	.0	.5	.0	.0	.0	.0	.1	.0	.0
17	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.0
18	.0	.0	.0	.5	.0	.2	.0	.2	.0	.0	.0	.9
19	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	2.3	.0	.5	.0	.0	.0	.0
22	.0	.0	.2	.1	.4	.1	.0	.0	.0	.3	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.2	.0	.0	.6	.0	.0	.0	.0	.0	.0
25	.0	.0	.5	.0	.0	.3	.0	.0	.0	.0	.1	.3
26	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
27	.0	.0	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0
28	.3	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0
29	.1	.0	.0	.0	.0	.8	.7	.0	1.0	.8	.0	.0
30	.0	.0	.0	.0	---	.0	.1	.0	.6	.0	.0	.0
31	.0	---	.0	.0	---	1.5	---	.2	---	.0	.0	---
TOTAL	3.2	3.2	2.5	2.4	.9	7.9	6.5	2.6	2.9	1.6	.7	2.6

WTR YR 1980 TOTAL 37.0

RARITAN RIVER BASIN

403645074384201 AUXILIARY RAIN GAGE - PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	3.1
2	.0	.0	.0	.0	1.3	.0	.0	.6	.8	.0	.0	.0
3	.7	.0	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0
4	.4	.2	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
5	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.2	.0
6	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.4	.0	.0	.0	.0	.3	.0	.0	.0
8	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.6	1.0
9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.2	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
11	.0	.0	.0	.0	.7	.2	.0	3.2	.0	.0	.1	.2
12	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.0	.1	.0	.6	.5
16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
19	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.0
20	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.9	.1	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.1	.6	.0	.0
22	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.7	.0	.6	.0	.0	.0	.0	.0
24	.0	.6	.1	.0	.1	.0	.1	.0	.0	.0	.4	.0
25	2.2	.5	.2	.0	.0	.0	.0	.0	.9	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	.0
27	.0	.0	.7	.0	.0	.0	.0	.0	.0	.1	.0	.0
28	.0	.2	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0
29	.0	.1	.0	.0	---	.0	.0	.1	.0	.2	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.4	2.6	1.3	.4	4.8	.6	.9	5.1	3.8	3.9	3.2	6.1
CAL YR 1980 TOTAL	35.4											
WTR YR 1981 TOTAL	36.1											

RARITAN RIVER BASIN

403645074384201 AUXILIARY RAIN GAGE - PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.0	1.1	.6	.1	.0	.0	.0	.3	.1	.0	.4
2	.3	.0	.7	.0	.3	.0	.0	.0	.1	.0	.0	.7
3	.0	.0	.0	.0	1.6	.0	.4	.0	.0	.4	.0	.1
4	.0	.6	.0	2.3	.1	.1	.1	.0	.0	.0	.0	.0
5	.0	.5	.0	.0	.0	.1	.1	.0	.0	.0	.9	.0
6	.4	.6	.3	.0	.0	.0	.2	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.2	1.0	.0	.0	.0	.0	.0	.0
8	.0	.0	2.8	.0	.0	.0	.2	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.7	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.2	.0
12	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0
13	.0	.0	.2	.4	.0	.1	.0	.0	1.8	.0	.0	.0
14	.0	.0	1.0	.1	.0	.0	.0	.0	.0	.1	.0	.0
15	.0	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.2	.5	.1	.0	.1	.0	.0	.6	.0	.0	.2
17	.0	.0	.0	.0	.0	.1	.6	.0	.3	.0	.0	.0
18	.6	.0	.0	.0	.0	.0	.3	.0	.0	.1	.0	.0
19	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	1.8	.1	.5	.0	.0	.0	.5	.0	.1	.0	.5
21	.0	.6	.0	.4	.2	.1	.0	.3	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3
23	.7	.1	.2	1.0	.6	.0	.0	.4	.0	.0	.0	1.5
24	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
25	.0	.3	.0	.0	.0	.0	.0	.4	.0	.0	.7	.0
26	.4	.0	.0	.0	.0	.1	1.3	.0	.0	.0	.0	.2
27	.6	.0	.2	.0	.0	.0	.9	.0	.0	.0	.0	1.1
28	.2	.0	.0	.0	.0	.0	.3	.5	.0	2.9	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.8	1.1	.0	.0	.5
30	.0	.0	.0	.0	---	.0	.0	.3	.0	.0	.0	.0
31	.0	---	.1	.1	---	.7	---	.0	---	.0	.0	---
TOTAL	3.9	5.1	8.2	5.5	3.7	2.5	4.5	3.4	4.5	4.0	2.6	5.5
CAL YR 1981 TOTAL	46.0											
WTR YR 1982 TOTAL	53.4											

RARITAN RIVER BASIN

403645074384201 AUXILIARY RAIN GAGE - PETERS BROOK NEAR RARITAN, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.4	.0	.0	.5	.0	.0	.0	.0	.1	.0
2	.0	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0
3	.0	.0	.1	.0	.3	.0	1.3	.0	.2	.0	.0	.0
4	.0	.6	.0	.0	.0	.0	.0	.2	.4	.0	.2	.0
5	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.6	1.0	.1	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0
10	.0	.0	.0	.9	.0	.5	1.4	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	1.1	.0
12	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.1	.9
13	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.8	.0	.0	.0	.2	.0	.1	.0	.0
16	.0	.0	.6	.1	.0	.0	2.6	.7	.0	.0	.0	.0
17	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0
19	.0	.0	.1	.0	.0	.2	.3	.1	.4	.3	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0
21	.1	.0	.1	.0	.0	1.3	.0	.5	.2	.3	.0	1.1
22	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.1
23	.0	.0	.1	.8	.1	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.1	.0	.0	.0	.6	.0	.0	.5	.0	.0
25	.7	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
26	.4	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.5	.0	.1	.0	.0	.0	.0
28	.0	.5	.1	.0	.0	.0	.0	.0	1.3	.0	.0	.0
29	.0	.7	.0	.0	---	.0	.0	.6	.1	.0	.1	.0
30	.0	.0	.0	.1	---	.0	.0	.2	.0	.4	.0	.4
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.5	3.6	1.7	3.9	1.9	6.2	7.7	5.3	2.9	1.6	1.6	2.5
CAL YR 1982 TOTAL	43.0											
WTR YR 1983 TOTAL	40.4											

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

LOCATION.--Lat 40°28'05", long 74°38'57", Somerset County, Hydrologic Unit 02030105, on right bank 20 ft upstream of bridge on Township Line Road, 0.7 mi east of Belle Mead, 0.8 mi upstream of Cruser Brook, and 1.0 mi downstream of bridge on U.S. Route 206.

DRAINAGE AREA.--5.36 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1980 to 1984.

GAGE.--Water-stage recorder, crest-stage gage, and concrete parking-block control. Datum of gage is 58.85 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records fair.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft³/s July 7, 1984, gage height, 11.76 ft; no flow many days in August and September 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1810, 12.1 ft from floodmark, present datum, Aug. 28, 1971.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July to Sept. 1980				Mar. 28	0040	488	6.52
				Apr. 03	0940	529	6.76
Sept. 18	0435	*96	3.90	Apr. 10	1315	605	7.22
1981 Water year				Apr. 16	2030	*812	8.56
				May 27	0130	353	5.73
May 12	0115	*449	6.29	June 06	0125	391	5.95
1982 Water year				1984 Water Year			
				Nov. 16	0125	352	5.71
Jan. 04	1150	*818	8.59	Dec. 13	1920	595	7.68
Feb. 01	0655	425	6.15	Dec. 22	1405	463	6.99
Feb. 03	0425	529	7.76	Feb. 15	1105	307	5.98
Apr. 03	2205	515	6.68	Apr. 05	0700	583	7.62
1983 Water year				May 29	1930	487	7.12
				May 30	0640	513	7.26
				July 07	0945	*2010	11.76
Mar. 21	1350	629	7.37	July 21	1055	303	5.95

Selected storm rainfall-runoff data, 1980-84 water years, Pike Run drainage basin

01401650 Pike Run at Belle Mead NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1980														
9/17/1980	5:40	1.7	0.1	0.5	0.7	0.8	1.5	1.7	--	--	96	0.0	0.26	0.15
Water year 1981														
11/24/1980	18:00	1.7	0.2	0.2	0.3	0.5	0.9	1.1	1.5	1.7	133	1.5	.24	.14
5/01/1981	16:35	.9	.1	.1	.1	.2	.3	.6	.8	.9	23	.38	.10	.11
5/11/1981	16:05	2.4	.1	.2	.3	.6	.8	1.4	2.2	2.4	449	.06	.92	.38
5/15/1981	4:15	1.0	.1	.1	.2	.3	.8	1.0	1.0	1.0	158	12.8	.29	.29
6/25/1981	4:10	.9	.3	.7	.8	.8	.8	.9	.9	.9	43	.94	.08	.09
9/15/1981	62:30	1.6	.1	.1	.2	.3	.5	.7	1.0	1.4	23	.13	.08	.05
Water year 1982														
10/01/1981	3:00	0.6	0.1	0.1	0.2	0.3	0.6	--	--	--	13	0.15	0.03	0.05
10/18/1981	3:55	.7	.1	.2	.4	.5	.6	.7	--	--	19	.14	.05	.08
10/23/1981	10:40	.7	.1	.1	.1	.2	.4	.5	.7	--	15	.26	.07	.10
11/06/1981	4:05	.6	.1	.1	.2	.3	.4	.6	--	--	17	.94	.08	.14
12/01/1981	16:35	1.8	.1	.1	.2	.3	.5	.9	1.4	1.8	148	.29	.37	.21
12/14/1981	44:50	2.7	.1	.1	.1	.2	.5	.9	1.3	1.4	196	.46	.87	.32
12/31/1981	12:35	.7	.1	.1	.1	.2	.3	.5	.6	.7	87	4.0	.25	.36
1/03/1982	17:45	3.3	.2	.3	.4	.5	1.1	1.9	2.7	3.3	809	8.3	2.51	.76
3/31/1982	11:15	.7	.1	.2	.3	.3	.3	.4	.7	--	21	1.4	.09	.13
4/03/1982	10:25	1.8	.2	.4	.5	.8	1.2	1.5	1.8	--	511	4.0	1.04	.58
5/25/1982	4:05	.9	.1	.2	.3	.4	.7	.9	--	--	56	2.6	.14	.16
6/13/1982	22:15	2.3	.1	.1	.2	.3	.6	1.0	1.8	2.3	257	.94	.67	.29
6/16/1982	6:35	.9	.1	.2	.3	.4	.7	.8	.9	--	194	5.9	.30	.33
6/29/1982	9:25	1.8	.1	.3	.5	.7	.9	1.6	1.8	--	159	1.1	.29	.16
7/03/1982	6:25	1.2	.1	.2	.3	.4	.9	1.1	1.2	--	93	2.4	.18	.15
8/25/1982	2:15	.8	.1	.2	.3	.5	.8	--	--	--	15	.30	.03	.04

Selected storm rainfall-runoff data, 1980-84 water year, Pike Run drainage basin--Continued

01401650 Pike Run at Belle Mead NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)										Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow			

Water year 1983															

10/25/1982	19:25	1.7	0.1	0.1	0.2	0.4	0.8	0.8	1.0	1.7	44	0.29	0.12	0.07	
11/12/1982	12:45	1.3	.1	.1	.2	.3	.5	1.0	1.2	1.3	48	.70	.15	.12	
11/28/1982	12:20	1.2	.1	.1	.1	.2	.5	.8	1.1	1.2	53	.70	.18	.15	
3/18/1982	16:20	1.8	.1	.1	.1	.2	.6	.9	1.4	1.8	279	4.2	1.12	.62	
3/21/1983	7:25	1.7	.1	.2	.3	.6	1.2	1.6	1.7	--	618	11.0	1.24	.73	
3/27/1983	9:50	1.6	.1	.1	.2	.4	1.1	1.4	1.6	--	478	9.9	.88	.55	
4/02/1983	8:50	2.0	.1	.2	.3	.5	1.0	1.7	2.0	--	523	5.9	1.06	.53	
4/07/1983	28:25	1.2	.1	.1	.2	.3	.5	.7	1.0	1.1	244	9.9	.60	.50	
4/10/1983	13:45	1.7	.1	.2	.3	.4	.8	1.3	1.6	1.7	585	19.6	1.33	.78	
4/15/1983	11:20	2.9	.1	.2	.3	.6	1.4	2.1	2.9	--	800	11.0	2.12	.73	
4/24/1983	23:55	1.5	.1	.2	.3	.3	.6	.7	.8	1.5	200	8.0	.74	.49	
5/15/1983	13:45	1.2	.1	.1	.1	.2	.4	.5	1.0	1.2	22	1.8	.09	.08	
5/26/1983	9:15	1.7	.1	.3	.4	.6	.8	1.4	1.7	--	350	2.8	.77	.45	
7/30/1983	11:00	1.6	.5	1.1	1.4	1.5	1.5	1.5	1.6	--	235	.16	.22	.14	
9/21/1983	9:40	1.3	.1	.2	.3	.5	1.0	1.1	1.3	--	33	.09	.05	.04	

Water year 1984															

10/23/1983	23:15	2.5	0.1	0.2	0.2	0.4	0.6	0.9	1.6	2.5	187	0.70	0.44	0.18	
11/10/1983	22:00	1.9	.1	.1	.2	.4	.8	1.5	1.7	1.9	194	.94	.45	.24	
11/15/1983	11:10	1.5	.1	.1	.2	.3	.7	1.1	1.5	--	349	2.1	.87	.58	
11/20/1983	23:15	1.1	.1	.2	.3	.5	.8	.9	1.0	1.1	265	3.2	.49	.44	
11/24/1983	50:05	1.4	.1	.1	.1	.2	.3	.5	.8	1.2	215	4.9	.70	.50	
3/13/1984	13:10	1.7	.1	.1	.2	.3	.6	1.0	1.6	1.7	189	3.8	.54	.32	
4/04/1984	30:55	3.0	.1	.1	.2	.3	.8	1.4	2.2	2.9	577	6.4	2.23	.74	
4/14/1984	43:25	1.6	.1	.1	.2	.3	.5	.6	.9	1.0	138	5.0	.54	.34	
5/03/1984	20:40	1.6	.1	.1	.2	.2	.6	.9	1.3	1.6	81	3.0	.44	.27	
5/28/1984	71:40	5.1	.1	.3	.5	.7	1.1	1.4	1.9	3.2	515	2.1	2.96	.58	
6/24/1984	10:20	1.2	.1	.1	.2	.3	.5	.8	1.2	--	21	.80	.08	.06	
7/07/1984	7:05	4.7	.2	.5	.8	1.4	3.4	4.5	4.7	--	2009	0.0	2.59	.55	
7/21/1984	8:30	1.0	.2	.3	.4	.6	.8	.9	1.0	--	300	2.4	.44	.44	
7/27/1984	13:10	1.8	.1	.3	.4	.6	1.3	1.7	1.7	1.8	292	1.9	.52	.29	

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										1.0	.08	.00
2										.28	.05	.00
3										.27	.25	.00
4										.27	.09	.00
5										.19	1.8	.00
6										1.6	2.4	.00
7										.22	.18	.00
8										.13	.07	.00
9										.11	.04	.00
10										.09	.04	.00
11										.07	.04	.00
12										.10	.02	.00
13										.06	.01	.00
14										.04	.01	.00
15										.04	.01	.00
16										.04	.01	.00
17										.06	.01	.00
18										.07	.01	10
19						+14.2				.04	.01	.53
20										.04	.00	.29
21										.03	.00	.07
22						+80.5				.02	.00	.05
23										1.4	.00	.03
24										.26	.00	.01
25										.05	.00	.45
26										.03	.00	4.9
27										.01	.00	2.2
28										.01	.00	.26
29										4.0	.00	.04
30										.57	.00	.03
31										.13	.00	---
TOTAL										11.23	5.13	18.86
MEAN										.36	.17	.63
MAX										4.0	2.4	10
MIN										.01	.00	.00
CFSM										.07	.03	.12
IN.										.08	.04	.13

+ Results of discharge measurement.

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.03	.28	2.7	.02	.01	5.6	5.2	.34	.61	1.9	.05	.19	
2	.36	.17	2.3	.02	67	4.1	12	12	10	8.6	.06	.06	
3	8.9	.11	2.2	.02	18	3.3	4.8	4.6	5.9	26	3.3	.03	
4	6.8	1.4	3.0	.02	7.3	2.7	3.6	2.1	6.7	5.2	.47	.03	
5	3.4	.62	2.5	.02	2.0	3.0	4.4	1.1	3.9	2.5	7.4	.02	
6	2.3	.28	1.8	.02	.66	3.7	11	.89	2.4	1.1	.70	.01	
7	.75	.23	1.3	.02	.12	4.6	4.9	.50	1.1	.34	.32	.01	
8	.22	.29	1.1	.02	3.0	9.0	3.8	.17	.27	.18	9.3	1.2	
9	.15	2.1	1.0	.01	2.5	7.5	3.3	.07	1.6	.10	2.5	4.9	
10	.04	1.3	.98	.01	.23	5.0	2.7	.06	.97	.07	.68	.10	
11	.05	.62	.71	.01	38	4.2	2.9	54	.31	.06	.37	.05	
12	.31	.36	.64	.02	10	4.0	7.7	95	.17	.13	.48	.05	
13	.19	.20	.55	.02	7.0	3.3	4.7	21	.13	.04	.42	.05	
14	.04	.18	.42	.02	3.8	3.0	19	15	7.8	.03	.34	.05	
15	.03	.19	.18	.02	1.3	2.6	12	24	6.6	.03	.28	.28	
16	.03	.17	.24	.01	.53	2.9	6.2	44	2.9	.03	.25	10	
17	.12	.19	.40	.01	.85	2.5	5.0	14	.90	.02	.20	1.1	
18	.78	9.2	.09	.01	1.6	2.3	4.5	11	.23	1.2	.07	3.2	
19	4.9	4.5	.17	.01	2.8	1.8	3.7	9.6	.12	9.9	.02	.44	
20	2.5	3.7	.04	.12	51	1.5	3.0	8.5	1.0	2.7	.02	.12	
21	.26	2.9	.02	.20	20	1.4	1.9	7.3	.44	.72	.02	.07	
22	.16	2.3	.02	.02	17	1.1	1.4	6.3	3.4	.21	.02	.06	
23	.08	1.8	.02	.03	23	1.1	3.5	5.5	4.7	.11	.02	.07	
24	.53	22	.03	.02	59	.98	4.4	5.0	1.6	.08	.02	.05	
25	33	16	.02	.02	8.5	.92	2.8	4.4	5.7	21	.02	.05	
26	10	5.6	.02	.02	5.7	1.1	1.6	3.6	7.6	2.5	.02	.05	
27	2.5	4.2	.02	.39	4.4	1.5	.98	3.1	2.1	3.5	.03	.06	
28	.96	6.4	.02	.15	4.5	1.3	.60	2.4	.58	.70	.01	.06	
29	.70	5.6	.05	.02	---	1.1	.93	2.6	.17	.17	.01	.06	
30	.45	3.7	.19	.02	---	2.6	.53	1.6	.12	.08	1.3	.06	
31	.30	---	.04	.01	---	4.7	---	.89	---	.07	2.0	---	
TOTAL	80.84	96.59	22.77	1.33	359.80	94.40	143.04	360.62	80.02	89.27	30.70	22.48	
MEAN	2.61	3.22	.73	.04	12.8	3.05	4.77	11.6	2.67	2.88	.99	.75	
MAX	33	22	3.0	.39	67	9.0	19	95	10	26	9.3	10	
MIN	.03	.11	.02	.01	.01	.92	.53	.06	.12	.02	.01	.01	
CFSM	.49	.60	.14	.01	2.39	.57	.89	2.16	.50	.54	.18	.14	
IN.	.56	.67	.16	.01	2.50	.66	.99	2.50	.56	.62	.21	.16	
WTR YR 1981	TOTAL	1381.86		MEAN	3.79	MAX	95	MIN	.01	CFSM	.71	IN.	9.59

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.06	1.6	4.1	33	209	1.8	10	7.8	5.1	4.3	1.0	.26	
2	4.3	1.4	50	15	94	2.3	4.5	6.6	9.0	2.9	.88	1.3	
3	.16	1.4	9.4	8.9	236	3.2	100	5.7	4.4	18	.79	3.9	
4	.06	1.2	6.6	358	6.9	1.9	63	5.2	3.3	13	.74	.60	
5	.05	1.0	4.8	38	14	8.6	13	4.4	3.2	5.3	1.2	.26	
6	.05	8.9	3.4	22	10	6.0	12	3.3	4.1	3.9	1.1	.24	
7	.37	4.9	2.3	21	13	57	13	2.8	4.8	2.9	.74	.24	
8	.10	3.1	2.9	17	12	25	16	2.6	3.4	2.6	.71	.23	
9	.06	2.3	3.7	9.5	5.6	10	15	2.4	2.3	1.8	.83	.23	
10	.05	1.7	1.6	12	6.0	8.6	22	1.6	1.6	1.2	.97	.23	
11	.05	1.4	1.0	6.1	9.7	9.3	19	1.4	1.4	1.1	.63	.22	
12	.05	1.2	.86	5.6	6.8	9.4	14	.78	1.1	5.9	2.1	.22	
13	.05	1.0	.56	5.6	1.8	8.3	11	1.2	60	3.0	.84	.24	
14	.05	.82	.75	7.0	2.8	7.7	10	1.2	46	1.5	.48	.24	
15	.05	.96	59	5.3	1.7	6.2	8.5	1.1	9.4	1.2	.30	.24	
16	.05	7.0	59	6.2	5.2	5.9	8.1	1.1	6.5	.95	.29	.26	
17	.05	3.8	15	5.4	4.8	9.5	8.0	1.0	48	.79	.30	.24	
18	.41	3.0	11	4.7	2.8	7.3	36	.94	8.4	.75	.27	.24	
19	7.6	2.2	8.0	3.9	12	5.9	12	1.0	5.9	.70	.25	.23	
20	.65	6.0	9.2	2.6	13	5.0	11	1.3	4.9	.71	.24	.95	
21	.38	6.9	4.0	2.1	17	5.1	12	1.2	3.4	.92	.25	1.8	
22	.28	3.8	3.4	1.7	13	4.6	9.9	.94	2.7	.54	.24	2.3	
23	1.9	2.6	19	9.8	7.8	3.1	7.5	1.6	3.0	.98	.28	16	
24	9.5	1.9	13	44	6.6	2.7	8.3	3.2	2.2	.73	.26	1.4	
25	3.0	1.4	9.1	32	4.7	2.6	7.9	24	2.1	.34	4.5	.68	
26	8.7	1.1	6.0	8.8	7.0	3.5	27	5.4	1.6	.39	1.0	.34	
27	19	.94	7.6	5.1	3.0	3.0	32	2.8	1.2	.42	.32	9.3	
28	29	.83	10	4.7	2.1	1.8	55	2.3	.99	34	.29	2.2	
29	5.2	.60	8.4	4.8	---	1.3	13	39	33	4.0	.23	.93	
30	3.1	.45	5.3	4.8	---	1.4	9.3	8.7	11	1.6	.23	.72	
31	2.3	---	4.1	7.9	---	5.2	---	6.1	---	1.3	.22	---	
TOTAL	96.63	75.40	343.07	712.5	728.3	233.2	588.0	148.66	293.99	117.72	22.48	46.24	
MEAN	3.12	2.51	11.1	23.0	26.0	7.52	19.6	4.80	9.80	3.80	.73	1.54	
MAX	29	8.9	59	358	236	57	100	39	60	34	4.5	16	
MIN	.05	.45	.56	1.7	1.7	1.3	4.5	.78	.99	.34	.22	.22	
CFSM	.58	.47	2.07	4.29	4.85	1.40	3.66	.90	1.83	.71	.14	.29	
IN.	.67	.52	2.38	4.94	5.05	1.62	4.08	1.03	2.04	.82	.16	.32	
CAL YR 1981	TOTAL	1696.76		MEAN	4.65	MAX	95	MIN	.01	CFSM	.87	IN.	11.78
WTR YR 1982	TOTAL	3406.19		MEAN	9.33	MAX	358	MIN	.05	CFSM	1.74	IN.	23.64

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.39	.39	13	.94	7.6	17	7.2	4.9	7.6	.27	.61	.15	
2	.29	.31	12	.82	13	50	6.1	4.5	5.5	.26	.25	.12	
3	.28	.29	5.8	.76	34	11	156	4.1	4.0	.25	.21	.11	
4	.29	.32	4.8	.68	11	7.7	36	6.1	14	.23	.19	.10	
5	.29	4.5	3.8	14	6.1	6.2	21	3.9	6.7	.30	.16	.09	
6	.34	1.8	3.6	17	4.8	5.3	10	3.2	58	.28	.22	.09	
7	.32	.90	2.7	6.0	5.1	10	11	2.8	16	.22	.24	.10	
8	.29	.72	1.7	4.3	4.8	38	54	2.6	6.1	.22	.20	.10	
9	.29	.70	1.5	3.2	5.7	33	51	2.5	3.5	.22	.17	.10	
10	.29	.56	1.0	12	5.3	65	211	2.2	2.7	.17	.16	.11	
11	.26	.46	1.2	49	5.2	21	35	1.8	2.2	.16	6.6	.10	
12	.27	.54	1.2	8.4	12	27	21	1.8	1.5	.16	3.9	.44	
13	.28	16	.82	5.6	6.9	9.0	14	1.8	1.1	.16	.24	2.1	
14	.51	4.6	.51	3.8	4.5	7.0	11	1.9	.90	.15	.19	.20	
15	.41	3.1	.65	5.5	4.8	6.1	11	1.9	.84	.14	.17	.16	
16	.28	2.1	15	7.2	6.2	4.8	304	10	.57	.16	.14	.15	
17	.28	1.5	7.3	4.2	7.3	4.2	39	8.4	.29	.14	.14	.14	
18	.28	1.4	4.0	3.3	13	65	17	2.8	.38	.12	.12	.14	
19	.28	1.2	3.3	2.7	14	98	25	1.9	.47	34	.11	.13	
20	.30	1.1	3.7	2.3	12	17	45	3.6	1.4	6.9	.10	.10	
21	.30	.94	4.1	2.1	17	175	24	5.4	8.4	.46	.06	1.6	
22	.30	.94	2.7	2.2	29	30	15	11	2.3	.24	.06	6.2	
23	.29	.89	2.2	27	29	17	8.4	33	1.0	.21	.06	.28	
24	.27	.77	2.8	56	22	15	37	6.0	.30	3.0	.05	.22	
25	2.7	.70	2.1	23	13	9.8	77	3.4	.53	2.5	.04	.19	
26	13	.70	1.8	13	8.9	10	15	34	.25	.26	.02	.18	
27	3.0	.70	1.6	8.8	6.4	48	10	79	.25	.21	.02	.16	
28	1.3	.64	1.4	6.8	6.3	95	8.2	13	1.0	.19	.00	.15	
29	.83	22	1.7	5.7	---	15	6.7	12	3.9	.16	7.1	.15	
30	.68	5.9	1.2	5.9	---	9.9	5.7	19	.36	18	.22	1.5	
31	.46	---	1.0	11	---	8.4	---	11	---	14	.16	---	
TOTAL	29.35	76.67	110.18	313.20	314.9	935.4	1292.3	299.5	152.04	83.74	21.91	15.36	
MEAN	.95	2.56	3.55	10.1	11.2	30.2	43.1	9.66	5.07	2.70	.71	.51	
MAX	13	22	15	56	34	175	304	79	58	34	7.1	6.2	
MIN	.26	.29	.51	.68	4.5	4.2	5.7	1.8	.25	.12	.00	.09	
CFSM	.18	.48	.66	1.88	2.09	5.63	8.04	1.80	.95	.50	.13	.10	
IN.	.20	.53	.76	2.17	2.19	6.49	8.97	2.08	1.06	.58	.15	.11	
CAL YR 1982	TOTAL	3107.29		MEAN	8.51	MAX	358	MIN	.22	CFSM	1.59	IN.	21.57
WTR YR 1983	TOTAL	3644.55		MEAN	9.99	MAX	304	MIN	.00	CFSM	1.86	IN.	25.29

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.41	.97	6.4	5.2	10	7.7	28	3.3	11	2.1	2.4	.27	
2	2.3	.81	4.8	4.1	7.0	5.7	16	2.8	5.9	1.6	2.0	.26	
3	.37	.86	7.3	3.9	10	4.8	11	3.4	4.0	1.8	1.8	.26	
4	.23	.90	106	3.5	63	4.1	25	52	3.4	1.8	1.6	5.0	
5	.20	.89	18	3.6	17	11	274	14	2.7	1.3	8.3	1.5	
6	.71	.77	32	3.5	14	26	37	7.5	2.4	4.7	3.7	.45	
7	.24	.70	28	3.5	8.2	11	14	5.7	2.1	528	2.5	.27	
8	.20	.70	8.9	3.3	11	7.1	9.6	12	1.9	21	2.2	.26	
9	.18	.70	6.2	2.7	6.6	7.2	7.7	19	1.7	15	1.7	.25	
10	.16	29	5.2	3.1	4.8	9.6	6.8	6.7	1.4	8.0	1.6	.24	
11	.16	29	4.2	6.2	6.8	5.6	6.1	4.5	1.2	19	1.3	.65	
12	3.3	7.3	91	7.9	14	7.7	5.3	3.9	.97	7.3	1.2	.26	
13	2.6	3.8	288	3.3	9.7	21	4.7	3.7	1.0	2.9	1.2	.23	
14	6.9	2.7	60	3.8	13	120	4.9	3.9	2.2	2.4	.92	.22	
15	.90	26	16	3.3	141	31	16	2.9	1.1	1.8	.80	1.2	
16	.31	94	10	2.8	29	19	63	2.3	.90	3.7	.49	.84	
17	.27	9.7	7.9	2.3	14	13	16	1.9	1.0	2.2	.32	.26	
18	.26	5.5	6.3	2.5	11	9.2	11	1.5	3.0	6.3	.30	.23	
19	6.1	4.2	5.7	3.1	8.9	8.1	11	2.0	3.5	6.3	.30	.22	
20	1.6	3.5	4.5	2.6	7.8	6.3	9.2	1.9	1.6	2.6	.31	.21	
21	.69	68	3.9	2.8	6.5	8.1	6.9	7.8	1.3	55	.30	.20	
22	.46	9.7	137	2.1	5.6	8.5	5.6	2.1	1.0	12	.26	.19	
23	6.3	5.9	24	4.4	5.5	5.7	12	1.7	.90	5.2	3.6	.17	
24	54	9.3	12	12	35	4.6	14	2.3	2.2	3.4	1.1	.19	
25	5.8	88	7.7	37	11	4.4	8.4	1.2	10	2.6	.33	.17	
26	2.9	17	6.1	36	8.0	4.3	6.3	2.1	1.8	2.1	.27	.17	
27	1.8	8.8	5.1	31	5.6	3.7	5.2	4.0	1.3	67	.26	.15	
28	1.3	21	73	12	50	22	4.5	4.8	1.1	10	2.1	1.7	
29	1.0	37	34	6.2	17	88	4.4	149	.90	5.3	3.8	.62	
30	.94	9.8	13	6.1	---	78	3.9	220	1.9	3.7	.85	.25	
31	.91	---	8.1	4.7	---	65	---	50	---	3.0	.36	---	
TOTAL	103.50	496.50	1040.3	228.5	551.0	627.4	647.5	599.9	75.37	809.1	48.17	16.89	
MEAN	3.34	16.6	33.6	7.37	19.0	20.2	21.6	19.4	2.51	26.1	1.55	.56	
MAX	54	94	288	37	141	120	274	220	11	528	8.3	5.0	
MIN	.16	.70	3.9	2.1	4.8	3.7	3.9	1.2	.90	1.3	.26	.15	
CFSM	.62	3.10	6.27	1.37	3.54	3.77	4.03	3.62	.47	4.87	.29	.10	
IN.	.72	3.45	7.22	1.59	3.82	4.35	4.49	4.16	.52	5.62	.33	.12	
CAL YR 1983	TOTAL	5068.65		MEAN	13.9	MAX	304	MIN	.00	CFSM	2.59	IN.	35.18
WTR YR 1984	TOTAL	5244.13		MEAN	14.3	MAX	528	MIN	.15	CFSM	2.67	IN.	36.40

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---			---	.0	.0	.0
2						---			---	.0	.0	.0
3						---			---	.0	.1	.0
4						---			---	.0	.0	.0
5						---			---	.5	.7	.0
6						---			---	.0	.0	.0
7						---			---	.0	.0	.0
8						---			---	.0	.0	.0
9						---			---	.0	.0	.0
10						---			---	.0	.0	.0
11						---			---	.1	.1	.0
12						---			---	.0	.1	.0
13						---			---	.0	.0	.0
14						---			---	.0	.2	.1
15						---			---	.0	.1	.1
16						---			---	.0	.0	.0
17						---			---	.2	.0	.1
18						---			---	.0	.0	1.4
19						---			---	.0	.0	.2
20						---			---	.0	.0	.0
21						2.5			---	.0	.0	.2
22						---			---	.3	.0	.0
23						---			---	.3	.0	.0
24						---			---	.0	.0	.0
25						---			---	.0	.0	.3
26						---			.0	.0	.0	.4
27						---			.2	.0	.0	.0
28						---			.0	.0	.0	.0
29						---			.8	.8	.0	.0
30						---			.1	.0	.0	.0
31						---			---	.0	.0	---
TOTAL						---			---	2.2	1.3	2.8

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	.0	.0	.0	.2		---	.2	.0	.4	---	.3
2	.0	.0	.1	1.1	.0		---	.5	1.0	.0	---	.0
3	.0	.0	.0	.0	.0		---	.0	.1	.0	---	.0
4	.0	.3	.0	.0	.0		---	.0	.0	1.6	---	.1
5	.0	.0	.0	.0	---		---	.0	.0	.0	---	.0
6	---	.0	.0	.0	---		---	.1	.0	.0	---	.0
7	---	.0	.0	.0	---		---	.0	.0	.0	---	.0
8	---	.0	.0	.0	---		---	.0	.0	.0	---	1.1
9	---	.2	.0	.0	---		---	.0	.2	.0	---	.1
10	---	.0	.0	.0	---		---	.0	.1	.0	---	.0
11	---	.0	.0	.0	---		---	2.3	.1	.0	---	.0
12	---	.0	.0	.0	---		---	.0	.1	.0	---	.0
13	---	.0	.0	.0	---		---	.0	.0	.2	---	.0
14	---	.1	.0	.1	---		---	.0	.6	.0	---	.0
15	---	.0	.0	.1	---		---	1.0	.2	.0	---	.5
16	---	.0	.1	.0	---		---	.1	.0	.1	---	.9
17	---	.0	.0	.0	---		---	.0	.0	.1	---	.0
18	---	.7	.0	.0	---		---	.0	.0	.0	---	.2
19	---	.0	.0	.5	---		---	.0	.0	.0	---	.0
20	---	.0	.0	.5	---		---	.0	.2	1.2	---	.0
21	---	.0	.0	.1	---		---	.0	.0	.4	---	.0
22	---	.1	.0	.0	---		---	.0	.4	.0	---	.0
23	.0	.0	.0	.0	---		---	.0	.0	.0	---	.0
24	.0	1.5	.1	.0	---		---	.0	.0	.0	---	.0
25	2.3	.0	.0	.0	---		---	.0	.7	.0	---	.0
26	.0	.0	.0	.1	---		---	.0	.0	.0	---	.0
27	.0	.0	.0	.2	---		---	.0	.0	1.4	.0	.0
28	.1	.4	.1	.1	---		---	.2	.0	---	.0	.0
29	.0	.0	2.3	.2	---		.0	.0	.1	---	.0	.0
30	.0	.0	.0	.0	---		.0	.0	.0	---	.2	.0
31	.0	---	.0	.6	---		---	.0	---	---	.0	---
TOTAL	---	3.3	2.7	3.6	---		---	4.4	3.8	---	---	3.2

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	.0	1.7	.7	.1	.0	.0	.0	.1	.0	.0	.2
2	.6	.0	.0	.0	.6	.1	.1	.0	.2	.1	.0	.3
3	.0	.0	.0	.1	1.4	.0	1.8	.0	.0	1.1	.0	.3
4	.0	.0	.0	3.2	.0	.4	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
6	.3	.8	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	1.2	.0	.0	.1	.0	.0	.0
8	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0
13	.0	.0	.1	.5	.0	.1	.0	.0	2.0	.0	.0	.0
14	.0	.0	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.4	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.1	.3	.1	.3	.1	.0	.0	.5	.0	.0	.1
17	.0	.0	.0	.0	.0	.0	.6	.0	.3	.0	.0	.0
18	.7	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
20	.0	.5	.0	.1	.1	.0	.0	.7	.0	.2	.0	.5
21	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0
22	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3
23	.7	.0	.1	1.1	.0	.0	.0	.3	.1	.0	.1	.9
24	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.8	.0
26	.6	.0	.0	.0	.0	.2	1.3	.0	.0	.0	.0	.0
27	1.5	.0	.4	.0	.0	.0	.6	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.0	.5	.0	2.0	.0	.0
29	.0	.0	.0	.0	---	.0	.1	1.1	1.8	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.3	.0	.0	.0	.0	.0
31	.0	---	.1	.2	---	.7	---	.0	---	.0	.0	---
TOTAL	4.5	1.9	5.2	6.2	3.6	3.1	5.2	3.8	5.2	3.4	1.4	3.6

WTR YR 1982 TOTAL 47.1

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.3	.0	1.4	.0	.0	.0	.0	.0
4	.0	.3	.1	.0	.0	.0	.0	.2	.4	.0	.0	.0
5	.0	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.2	.1	.0	.0	.0	.0	1.3	.0	.0	.0
7	.0	.0	.0	.0	.0	.3	.2	.0	.1	.0	.2	.0
8	.0	.0	.0	.0	.0	.6	1.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.8	.0	.7	1.7	.0	.0	.0	.0	.0
11	.0	.0	.0	.3	.0	.2	.0	.0	.0	.0	.4	.0
12	.0	.1	.1	.0	.6	.0	.0	.0	.0	.0	.1	.7
13	.2	1.1	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	2.6	1.1	.0	.0	.0	.0
17	.0	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1
18	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.2	.2	.0	.0	2.5	.0	.0
20	.0	.0	.0	.0	.0	.0	.2	.2	.6	.0	.0	.0
21	.1	.0	.2	.0	.0	1.2	.0	.4	.3	.0	.0	1.3
22	.0	.0	.1	.0	.0	.0	.0	.6	.0	.0	.0	.1
23	.0	.0	.4	1.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.1	.0	.0	.0	.8	.0	.0	.7	.0	.0
25	.8	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
26	.9	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.4	.0	.2	.0	.0	.0	.0
28	.0	.5	.0	.0	.0	.1	.0	.0	.7	.0	.8	.0
29	.0	.9	.0	.0	---	.0	.0	.1	.0	.0	.8	.0
30	.0	.0	.0	.0	---	.0	.0	.3	.0	1.4	.0	.3
31	.1	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	2.2	3.3	2.6	3.6	1.9	7.1	8.7	4.6	3.4	4.6	2.3	2.5

CAL YR 1982 TOTAL 43.6

WTR YR 1983 TOTAL 46.8

RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.2	.0	.6	.0	.0	.7	.0	.1	.0	.3
4	.0	.0	1.1	.0	.0	.0	.9	.6	.0	.3	.2	.5
5	.2	.0	.0	.0	.1	.6	1.4	.0	.0	.4	.8	.0
6	.0	.0	.7	.0	.0	.1	.0	.0	.0	.1	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0
12	.6	.0	1.3	.0	.0	.0	.0	.1	.0	.0	.0	.0
13	.3	.0	2.1	.0	.0	1.2	.0	.0	.1	.0	.0	.0
14	.2	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0
15	.0	1.1	.0	.0	1.2	.0	.5	.0	.0	.0	.0	.4
16	.0	.3	.0	.0	.0	.0	.6	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	.0	.0
19	.6	.0	.0	.0	.0	.0	.1	.1	.3	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
21	.0	1.2	.0	.0	.0	.2	.0	.0	.0	2.0	.0	.0
22	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.1	.0	.0	.0	.5	.0	.2	.2	.0	.0	.6	.0
24	.9	.4	.0	.0	.1	.0	.0	.0	.9	.0	.0	.0
25	.0	.8	.0	1.2	.0	.0	.0	.0	.2	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
28	.0	.6	1.3	.0	.6	.8	.0	1.1	.0	.0	.0	.4
29	.0	.0	.0	.0	.0	1.0	.0	1.7	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.2	.0	1.7	.2	.0	.0	.0
31	.0	---	.0	.0	---	.0	---	.2	---	.0	.0	---
TOTAL	4.5	5.8	8.5	1.4	3.3	4.3	3.8	8.0	2.2	10.6	1.6	1.6
CAL YR 1983 TOTAL	57.5											
WTR YR 1984 TOTAL	55.6											

RARITAN RIVER BASIN

402826074414101 AUXILIARY RAIN GAGE - PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	.0			---	.0	.0	.0
2					---	.0			---	.0	.0	.0
3					---	.0			---	.0	.2	.0
4					---	.0			---	.0	.0	.0
5					---	.1			---	.5	.4	.0
6					---	.0			---	.0	.0	.0
7					---	.0			---	.0	.0	.0
8					---	.3			---	.0	.0	.0
9					---	.0			---	.0	.0	.0
10					---	.6			---	.0	.0	.0
11					---	.1			---	.1	.0	.0
12					---	.0			---	.0	.0	.0
13					---	1.0			---	.0	.0	.0
14					---	.3			---	.0	.0	.3
15					---	.0			---	.0	.0	.1
16					---	.0			---	.0	.0	.0
17					---	.3			---	.1	.0	.7
18					---	.2			---	.0	.0	1.0
19					---	.0			---	.0	.0	.0
20					.0	.0			---	.0	.0	.0
21					.0	2.5			---	.0	.0	.0
22					.5	.3			---	.2	.0	.0
23					.0	.0			---	.4	.0	.0
24					.0	---			---	.0	.0	.0
25					.0	---			---	.0	.0	.3
26					.0	---			.0	.0	.0	.3
27					.0	---			.2	.0	.0	.0
28					.0	---			.0	.0	.0	.0
29					.0	---			.8	.7	.0	.0
30					---	---			.1	.0	.0	.0
31					---	---			---	.0	.1	---
TOTAL					---	---			---	2.0	.7	2.7

RARITAN RIVER BASIN

402826074414101 AUXILIARY RAIN GAGE - PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.7	.2	.0	.4	.0	.3
2	.8	.0	.0	.1	1.4	.0	.0	.7	1.0	.1	.0	.0
3	.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
4	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
5	.0	.0	.0	.0	.0	.1	.6	.0	.0	.1	.4	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1
8	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.9	.7
9	.0	.2	.1	.0	.0	.0	.0	.0	.3	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
11	.1	.0	.0	.0	1.0	.1	.2	2.7	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.1	.1
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.1	.0	.0	.0	.0	.8	.0	.9	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.0	.1	.6
16	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1	.9
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
18	.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.9	.0	.0	.0	.3	1.0	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.0	.0
22	.0	.1	.0	.0	.1	.0	.0	.0	.7	.0	.0	.1
23	.0	.0	.0	.0	.8	.0	.3	.0	.0	.0	.0	.0
24	.0	1.7	.0	.0	.1	.0	.1	.0	.0	.0	.1	.0
25	2.1	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0
28	.0	.5	.2	.0	.0	.0	.1	.2	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.1	.0	.4	.0	.0
30	.0	.0	.0	.0	---	.5	.0	.0	.0	.0	.7	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.1	---
TOTAL	4.1	3.7	.5	.4	4.9	.8	3.2	4.9	4.7	5.9	2.6	3.1

WTR YR 1981 TOTAL 38.8

RARITAN RIVER BASIN

402826074414101 AUXILIARY RAIN GAGE - PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.4	.0	1.2	.7	.1	.0	.0	.0	.1	.0	.0	.2
2	.2	.0	.6	.0	.5	.2	.0	.0	.2	.0	.0	.3
3	.0	.0	.0	.1	1.4	.0	1.8	.0	.1	1.2	.0	.3
4	.0	.0	.0	3.2	.0	.4	.0	.0	.1	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
6	.2	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.0	.0	.2	.0	.0	.0
8	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.1	.0	.1	.0	.1	.2	.0
13	.0	.0	.0	.5	.0	.1	.0	.0	2.3	.0	.0	.0
14	.0	.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.1	.4	.1	.1	.2	.0	.0	.5	.0	.0	.1
17	.0	.0	.0	.0	.0	.0	.6	.0	.4	.0	.0	.0
18	.7	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.1	.1	.0	.0	.4	.0	.2	.0	.5
21	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
23	.7	.0	.2	1.1	.0	.0	.0	.3	.1	.0	.1	.9
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.1	.0	.0	.0	.0	.0	.0	.9	.0	.0	.8	.0
26	.5	.0	.0	.0	.0	.2	1.3	.0	.0	.0	.0	.0
27	1.1	.0	.2	.0	.0	.0	.6	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.3	.5	.0	2.1	.0	.1
29	.0	.0	.0	.0	---	.0	.2	.8	1.8	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.0
31	.0	---	.0	.1	---	.7	---	.0	---	.0	.0	---
TOTAL	3.9	1.5	5.2	6.1	3.2	3.1	5.2	3.4	5.9	3.6	1.4	3.7

CAL YR 1981 TOTAL 41.1

WTR YR 1982 TOTAL 46.2

RARITAN RIVER BASIN

402826074414101 AUXILIARY RAIN GAGE - PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.6	.0	.0	.9	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.2	.0	1.9	.0	.1	.0	.0	.0
4	.0	.3	.0	.0	.0	.0	.0	.2	.5	.0	.0	.0
5	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
6	.1	.0	.1	.0	.2	.0	.0	.0	1.3	.0	.0	.0
7	.0	.0	.0	.1	.3	.3	.2	.0	.1	.0	.0	.0
8	.0	.0	.0	.0	.0	.7	1.0	.0	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.1	.0	.6	1.7	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	1.1	.2	.1	.0	.0	.0	1.1	.0
12	.0	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.6
13	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.9	.0	.0	.1	.1	.0	.1	.0	.0
16	.0	.0	.8	.3	.0	.0	2.8	1.1	.0	.0	.0	.0
17	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0
19	.0	.0	.1	.0	.0	.4	.6	.1	.0	3.1	.0	.0
20	.0	.0	.1	.0	.0	.0	.1	.2	.8	.0	.0	.0
21	.1	.0	.0	.0	.0	1.7	.0	.4	.3	.0	.0	1.1
22	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.2
23	.0	.0	.1	1.0	.1	.0	.0	.1	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.5	.0	.0
25	.9	.0	.1	.0	.0	.0	.5	.0	.0	.1	.0	.0
26	.8	.1	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.6	.0	.2	.0	.0	.0	.0
28	.0	.5	.1	.0	.0	.0	.0	.0	.6	.0	.2	.0
29	.0	.7	.0	.0	---	.0	.0	.4	.0	.0	.8	.0
30	.0	.0	.0	.2	---	.0	.0	.1	.0	1.5	.1	.5
31	.0	---	.0	.0	---	.0	---	.0	---	.1	.1	---
TOTAL	2.2	3.2	2.2	4.5	2.4	8.2	10.1	5.2	3.7	5.4	2.3	2.4
CAL YR 1982 TOTAL	43.2											
WTR YR 1983 TOTAL	51.8											

RARITAN RIVER BASIN

402826074414101 AUXILIARY RAIN GAGE - PIKE RUN AT BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.2	.0	.4	.0	.0	.9	.0	.1	.0	.3
4	.0	.0	1.3	.0	.0	.0	1.1	.7	.0	.0	.2	.5
5	.2	.0	.0	.0	.2	.7	1.9	.0	.0	.1	.8	.0
6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	.0
8	.0	.0	.0	.0	.0	.1	.0	.7	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
11	.1	.2	.0	.2	.1	.0	.0	.0	.0	.6	.0	.0
12	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.5	.0	2.1	.0	.0	1.7	.0	.0	.3	.0	.0	.0
14	.1	.0	.1	.1	.3	.1	.1	.1	.0	.0	.0	.0
15	.0	1.3	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.2
16	.0	.2	.0	.0	.0	.0	.9	.0	.0	.5	.0	.1
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.3	.0	.0	.2	.0	.4	.4	.0	.0
19	.6	.0	.0	.1	.0	.0	.2	.2	.4	.3	.0	.0
20	.0	.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
21	.0	1.0	.0	.0	.0	.2	.0	.0	.0	1.0	.0	.0
22	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.5	.0	.0	.0	.6	.0	.4	.2	.0	.0	.6	.0
24	1.0	.4	.0	.5	.1	.0	.1	.0	.0	.0	.0	.0
25	.0	.9	.0	.0	.1	.0	.0	.0	1.2	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
28	.0	.7	1.4	.0	.8	.6	.0	1.2	.0	.0	.0	.4
29	.0	.1	.0	.0	.0	1.2	.0	1.8	.0	.0	.0	.1
30	.0	.0	.0	.3	---	1.1	.0	1.8	.4	.0	.0	.0
31	.0	---	.0	.1	---	.0	---	.3	---	.0	.0	---
TOTAL	4.9	6.6	9.2	2.2	3.7	5.9	5.5	9.0	2.7	10.4	1.6	1.6

CAL YR 1983 TOTAL 64.9
WTR YR 1984 TOTAL 63.3

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

LOCATION.--Lat 40°29'56", long 74°39'05", Somerset County, Hydrologic Unit 02030105, on right bank 25 ft upstream from bridge on State Highway 514 (Ammwell Road), 1,200 ft upstream from mouth, and 2.0 mi north of Belle Mead.

DRAINAGE AREA.--1.20 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to September 1974, January 1980 to 1984.

GAGE.--Water-stage recorder, crest-stage gage and concrete control. Datum of gage is about 68 ft National Geodetic Vertical Datum of 1929. Prior to September 1974 at same site at datum 0.79 ft higher.

REMARKS.--Water-discharge records fair. Storm-water detention basin completed above station in summer of 1980.

AVERAGE DISCHARGE.--12 years (water years 1967-74, 1981-1984), 2.46 ft³/s, 27.05 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft³/s Aug. 28, 1971, gage height, 7.08 ft, present datum, from high-water mark, from rating curve extended above 203 ft³/s on basis of slope-area measurement of peak flow; no flow part of or all of some days in most years.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 125 ft³/s and maximum (*) for period:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. to Sept. 1980				Apr. 10	1135	164	3.97
				Apr. 16	0800	207	4.26
Mar. 21	1420	*215	4.32	June 06	1640	*478	5.45
Apr. 28	1315	132	3.72	1984 Water year			
1981 Water year				Dec. 13	1745	137	3.76
May 11	2140	*173	4.04	Dec. 22	1150	160	3.94
1982 Water year				Apr. 05	0510	154	3.89
Oct. 27	2205	169	4.00	May 29	1700	162	3.95
Jan. 04	0935	*259	4.56	May 30	0355	213	4.30
1983 Water year				July 07	0735	*915	6.32
				July 21	0935	345	4.98
				July 27	0850	187	4.13
Mar. 21	1110	155	3.90				

Selected storm rainfall-runoff data, 1980-84 water years, Royce Brook tributary drainage basin

01402600 Royce Brook tributary near Belle Mead NJ

Date	Duration of rain (hr:min)	Total rain	Accumulative Rainfall (inches)								Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
			5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1980														
3/21/1980	12:45	2.3	0.1	0.2	0.3	0.5	1.2	1.7	2.2	2.3	211	3.7	1.55	0.67
3/29/1980	18:00	.8	.1	.1	.1	.1	.3	.4	.5	.8	24	1.5	.46	.58
3/31/1980	26:05	2.1	.1	.2	.3	.5	.6	.7	1.1	1.9	42	2.9	1.19	.57
4/04/1980	9:55	.7	.1	.2	.3	.4	.6	.6	.7	--	27	1.8	.35	.50
4/09/1980	15:30	2.0	.1	.2	.3	.5	1.0	1.3	1.8	2.0	114	1.9	1.00	.50
4/27/1980	49:50	3.2	.1	.2	.3	.4	1.0	1.4	1.9	2.2	131	.59	1.57	.49
5/12/1980	18:40	1.0	.2	.2	.3	.5	.5	.5	.6	1.0	27	.68	.20	.20
6/29/1980	8:40	1.4	.2	.4	.7	.8	.9	1.2	1.4	--	26	.15	.11	.08
7/22/1980	11:40	1.5	.2	.5	.8	1.2	1.2	1.2	1.5	--	31	.19	.14	.09
7/29/1980	10:00	.8	.1	.1	.2	.3	.5	.6	.8	--	10	.11	.06	.08
9/17/1980	5:30	1.9	.2	.6	.9	1.0	1.4	1.9	--	--	51	.19	.08	.04
Water year 1981														
10/25/1980	14:05	2.2	0.1	0.2	0.2	0.4	1.2	1.8	2.1	2.2	74	0.08	0.59	0.27
11/24/1980	10:10	1.4	.1	.2	.3	.5	.8	1.0	1.4	--	58	.37	.40	.29
5/11/1981	13:05	2.5	.2	.5	.6	.7	1.1	1.6	2.4	2.5	172	.78	.79	.32
5/15/1981	4:20	1.0	.1	.1	.2	.3	.8	1.0	--	--	34	1.4	.30	.30
6/02/1981	5:15	.9	.1	.1	.2	.3	.5	.9	--	--	13	.01	.11	.12
6/25/1981	0:25	.8	.4	.7	.8	--	--	--	--	--	39	.25	.15	.19
7/04/1981	12:45	1.8	.1	.2	.4	.6	.9	1.2	1.7	1.8	36	.15	.35	.19
7/20/1981	16:20	1.3	.2	.2	.2	.4	.6	.9	.9	1.3	23	.08	.25	.19
7/27/1981	1:25	.9	.1	.3	.5	.8	.9	--	--	--	50	.11	.21	.23
9/08/1981	3:50	.8	.1	.2	.3	.3	.7	.8	--	--	41	.08	.23	.29
9/15/1981	23:20	1.2	.1	.1	.2	.3	.5	.6	.9	1.2	33	.08	.39	.33
Water year 1982														
10/18/1981	2:50	0.8	0.1	0.3	0.5	0.6	0.8	--	--	--	29	0.0	0.14	0.18
10/27/1981	1:20	1.1	.3	.8	.9	.9	1.2	--	--	--	167	1.5	.47	.43
12/01/1981	22:15	1.7	.1	.1	.2	.2	.5	.8	1.3	1.7	46	.37	.62	.36
12/14/1981	31:55	2.1	.1	.1	.1	.2	.5	.9	1.0	1.7	53	.25	1.05	.50
4/03/1982	10:45	1.9	.2	.4	.5	.8	1.2	1.6	1.9	--	118	1.1	.85	.45
4/17/1982	8:10	.9	.1	.2	.2	.3	.6	.8	.9	--	28	.78	.19	.21
4/26/1982	10:55	1.2	.1	.1	.2	.3	.7	.9	1.2	--	23	.78	.32	.27
4/27/1982	11:40	.7	.1	.2	.2	.3	.4	.6	.7	--	29	2.7	.40	.57
5/25/1982	4:20	1.0	.1	.2	.4	.5	.8	1.0	--	--	33	.59	.23	.23
5/28/1982	10:10	1.2	.1	.2	.3	.3	.7	.9	1.2	--	45	.68	.33	.28
6/13/1982	14:40	1.9	.1	.1	.2	.2	.5	1.0	1.7	1.9	62	.68	.79	.41
6/29/1982	5:50	1.5	.4	.5	.6	.6	.8	1.5	--	--	98	.31	.47	.31
7/03/1982	3:10	.8	.1	.1	.2	.3	.7	.8	--	--	33	.68	.17	.21
7/28/1982	13:25	2.0	.2	.5	.7	.8	1.1	1.8	1.9	2.0	115	.51	.58	.29
8/05/1982	0:20	1.0	.4	.9	1.0	--	--	--	--	--	109	.20	.25	.25
9/02/1982	2:45	.6	.1	.1	.2	.2	.6	--	--	--	32	.00	.15	.27
9/23/1982	1:30	1.4	.3	.5	.7	1.1	1.4	--	--	--	121	.03	1.43	1.02
9/27/1982	5:00	1.0	.1	.2	.3	.5	.8	1.0	--	--	60	.13	1.29	1.29

Selected storm rainfall-runoff data, 1980-84 water years, Royce Brook tributary drainage basin--Continued

01402600 Royce Brook tributary near Belle Mead NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)										Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow			

Water year 1983															

10/25/1982	20:15	1.4	0.1	0.1	0.2	0.3	0.6	0.8	0.9	1.4	32	0.13	0.23	0.16	
11/28/1982	12:35	1.3	.1	.1	.2	.3	.6	.8	1.2	1.3	29	.31	.25	.19	
3/18/1983	15:30	1.7	.1	.1	.2	.3	.6	.9	1.4	1.7	64	.88	.89	.52	
3/21/1983	14:05	1.6	.1	.2	.4	.6	1.1	1.4	1.5	1.6	153	1.7	1.0	.63	
4/03/1983	6:55	1.6	.1	.1	.2	.4	.8	1.4	1.6	--	118	1.1	.87	.54	
4/08/1983	8:05	1.1	.1	.1	.2	.3	.6	.8	1.1	--	53	1.9	.49	.45	
4/10/1983	11:05	1.7	.1	.1	.2	.4	.8	1.3	1.7	--	161	3.2	1.20	.71	
4/16/1983	13:35	2.7	.1	.2	.3	.6	1.4	2.1	2.6	2.7	206	1.3	1.89	.70	
5/16/1983	12:00	.8	.1	.1	.1	.2	.4	.4	.8	--	11	.59	.20	.25	
5/26/1983	5:50	1.5	.1	.2	.4	.6	.9	1.5	--	--	98	1.7	.75	.50	
7/30/1983	1:55	1.3	.2	.4	.6	1.1	1.3	--	--	--	113	.16	.32	.25	
8/11/1983	2:15	1.1	.3	.6	.8	.9	1.1	--	--	--	65	.16	.30	.27	
8/28/1983	4:25	1.1	.3	.7	.9	.9	1.0	1.1	--	--	110	.51	.40	.36	

Water year 1984															

11/20/1983	3:50	1.1	0.1	0.3	0.5	0.6	1.0	1.1	--	--	80	1.9	0.37	0.34	
12/12/1983	38:50	3.4	.1	.2	.2	.3	.6	.9	1.4	2.2	135	1.1	1.86	.55	
4/04/1984	45:05	3.0	.1	.1	.2	.3	.8	1.4	2.1	2.8	52	1.5	1.85	.62	
5/28/1984	67:35	5.0	.3	.6	.7	.8	1.3	1.5	2.0	3.3	212	.78	3.09	.62	
7/07/1984	7:25	4.8	.2	.5	.9	1.5	3.6	4.6	4.8	--	914	1.0	3.45	.72	
7/21/1984	6:20	2.3	.5	1.3	1.8	1.9	2.2	2.2	2.3	--	344	.68	1.02	.44	

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	.24	.30	20	2.9	.21	.69	.19	.02
2				---	.25	.30	4.3	1.6	.87	.27	.16	.02
3				---	.27	.30	2.4	1.2	.68	.22	.47	.01
4				---	.30	.01	11	.87	.29	.16	.16	.01
5				---	.34	.36	3.5	.73	.15	.78	.84	.01
6				---	.35	.41	1.8	.62	.12	1.1	.62	.02
7				---	.31	.29	1.3	.86	.30	.24	.21	.01
8				---	.32	1.3	1.1	3.6	.34	.21	.16	.01
9				---	.40	2.2	31	1.0	.94	.16	.14	.01
10				---	.41	4.2	11	.62	.73	.14	.11	.01
11				---	.36	10	3.1	.55	.25	.13	.10	.01
12				---	.34	2.4	2.1	1.7	.15	.23	.22	.01
13				---	.31	1.4	1.6	6.1	.12	.11	.14	.01
14				---	.37	2.6	4.5	1.5	.10	.08	.10	.01
15				---	1.4	3.9	5.2	.72	.10	.15	.52	.02
16				---	1.6	6.2	1.7	.71	.24	.14	.22	.02
17				---	.81	13	1.1	.54	.09	.15	.10	.67
18				---	.43	14	.91	.97	.04	.09	.08	2.4
19				---	1.0	3.2	.73	.47	.28	.08	.09	.16
20				---	1.3	2.0	.67	.34	.30	.05	.19	.11
21				---	1.1	53	.63	2.5	.11	.07	.05	.11
22				1.5	2.5	13	.54	.91	.02	.49	.05	.11
23				1.3	1.8	4.3	.47	.52	.01	4.1	.08	.08
24				.84	.99	4.0	.41	.45	.01	.51	.10	.07
25				.64	.74	21	.40	.43	.00	.30	.06	.12
26				.59	.55	3.4	.38	.31	.00	.18	.05	.17
27				.51	.43	2.0	1.1	.21	.18	.13	.03	.05
28				.49	.39	1.5	33	.29	.14	.10	.03	.05
29				.42	.35	12	22	.15	.70	2.0	.03	.05
30				.35	---	6.1	4.7	.15	3.4	.43	.03	.06
31				.31	---	26	---	.21	---	.21	.02	---
TOTAL				---	19.96	214.67	172.64	33.73	10.87	13.70	5.35	4.42
MEAN				---	.69	6.92	5.75	1.09	.36	.44	.17	.15
MAX				---	2.5	53	33	6.1	3.4	4.1	.84	2.4
MIN				---	.24	.01	.38	.15	.00	.05	.02	.01
CFSM				---	.57	5.77	4.79	.91	.30	.37	.14	.13
IN.				---	.62	6.65	5.35	1.05	.34	.42	.17	.14

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.08	.22	.91	.03	.04	3.3	2.2	1.3	.03	.54	.13	.11	
2	.53	.15	.83	.03	14	2.2	2.5	6.7	3.5	.31	.10	.11	
3	.56	.10	.86	.03	6.8	1.4	1.0	4.1	.81	.17	.08	.09	
4	1.9	.66	.40	.03	3.6	.86	.74	2.5	1.0	9.1	.08	.08	
5	.36	.40	.40	.03	2.4	1.0	1.7	2.0	.38	4.1	3.1	.07	
6	.21	.17	.41	.03	1.9	1.2	2.5	1.8	.30	1.1	.24	.04	
7	.15	.15	.39	.04	1.1	1.5	1.3	1.2	.23	.68	.13	.04	
8	.13	.20	.41	.04	3.8	3.3	.78	.97	.06	.50	3.9	5.5	
9	.13	1.0	.41	.04	14	3.7	.68	.69	.75	.36	1.0	2.4	
10	.09	.59	.47	.04	7.1	2.2	.59	.49	.40	.32	.23	.19	
11	.14	.29	.35	.03	17	1.2	.51	23	.25	.35	.15	.15	
12	.27	.14	.33	.03	15	1.1	.78	13	.04	.16	.47	.15	
13	.24	.08	.33	.03	9.2	.90	.68	2.9	.01	2.3	.22	.12	
14	.20	.08	.29	.03	4.9	.68	7.7	1.7	2.7	.89	.14	.10	
15	.19	.08	.19	.03	2.7	.52	4.9	6.1	1.0	.17	.13	.65	
16	.19	.10	.41	.03	1.5	.71	2.4	7.9	.36	.16	.15	12	
17	.19	.08	.33	.03	.75	.51	1.1	2.2	.23	.13	.10	1.4	
18	.98	4.4	.25	.03	.41	.38	.92	1.5	.15	.11	.04	4.5	
19	.59	1.1	.25	.03	.29	.38	.67	1.1	.13	.09	.00	1.0	
20	.28	.59	.14	.03	18	.36	.58	.93	.89	2.7	.00	.47	
21	.21	.45	.11	.03	13	.33	.41	.77	.34	5.5	.00	.32	
22	.22	.34	.11	.03	12	.29	.37	.63	.78	.69	.00	.36	
23	.17	.29	.14	.03	14	.31	.87	.52	.25	.26	.00	.42	
24	.09	11	.17	.03	18	.28	1.8	.40	.16	.17	.00	.17	
25	18	4.8	.30	.03	10	.26	1.5	.34	3.5	.13	.00	.12	
26	2.5	1.6	.03	.03	7.6	.23	1.6	.26	1.7	.11	.00	.11	
27	.68	1.1	.03	.03	4.4	.29	1.6	.27	.37	7.3	.00	.11	
28	.62	3.8	.03	.03	2.9	.18	1.9	.23	.21	.65	.00	.11	
29	.35	2.1	.04	.03	---	.20	2.2	.32	.16	1.0	.00	.11	
30	.25	1.2	.04	.03	---	.96	1.4	.20	.15	.22	.03	.08	
31	.22	---	.04	.03	---	.79	---	.20	---	.17	.16	---	
TOTAL	30.72	37.26	9.40	.97	206.39	31.52	47.88	86.22	20.84	40.44	10.58	31.08	
MEAN	.99	1.24	.30	.03	7.37	1.02	1.60	2.78	.69	1.30	.34	1.04	
MAX	18	11	.91	.04	18	3.7	7.7	23	3.5	9.1	3.9	12	
MIN	.08	.08	.03	.03	.04	.18	.37	.20	.01	.09	.00	.04	
CFSM	.82	1.03	.25	.03	6.14	.85	1.33	2.32	.57	1.08	.28	.87	
IN.	.95	1.16	.29	.03	6.40	.98	1.48	2.67	.65	1.25	.33	.96	
WTR YR 1981	TOTAL	553.30		MEAN	1.52	MAX	23	MIN	.00	CFSM	1.27	IN.	17.15

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.52	4.9	10	23	.83	1.5	1.3	1.1	1.0	.31	.10
2	4.0	.44	17	3.8	15	.93	.85	.96	3.2	.68	.28	.68
3	.41	.36	2.4	1.9	49	1.1	23	.83	1.1	6.3	.24	4.7
4	.16	.33	1.3	94	11	.74	11	.74	.80	2.3	.19	.01
5	.18	.31	.90	3.0	9.3	3.2	2.6	.57	.77	1.0	9.0	.00
6	.53	3.3	.67	1.4	4.7	2.8	2.9	.52	.81	.71	.97	.00
7	1.4	.78	.55	1.3	2.5	15	2.8	.47	1.1	.58	.43	.00
8	.23	.55	1.1	1.1	1.9	8.5	3.6	.41	.65	.47	.33	.00
9	.13	.50	.70	.68	2.2	4.0	3.5	.39	.49	.37	1.2	.00
10	.06	.45	.46	.88	2.5	2.1	4.9	.29	.38	.30	.55	.00
11	.04	.38	.36	.49	2.3	2.6	4.2	.38	.35	.27	.29	.00
12	.01	.36	.32	.44	1.3	3.5	2.6	.32	.30	1.4	1.6	.00
13	.00	.31	.27	.46	1.1	1.8	1.9	.44	21	.34	.29	.00
14	.00	.30	.60	.51	1.0	1.5	1.5	.30	9.4	.26	.21	.00
15	.00	1.1	26	.44	1.3	1.2	1.1	.37	2.0	.23	.19	.00
16	.00	1.7	18	.47	1.5	1.2	.88	.24	1.7	.20	.19	.00
17	.00	.73	5.2	.41	2.0	2.1	1.4	.22	7.9	.20	.17	.00
18	3.3	.65	3.0	.37	1.4	1.4	6.9	.21	1.5	.18	.14	.00
19	2.0	.49	1.9	.28	2.1	1.2	1.6	.33	1.1	.16	.14	.00
20	.35	1.8	1.3	.18	5.3	.97	1.1	2.6	.82	.27	.17	.37
21	.22	.97	1.0	.13	9.0	1.1	.94	1.5	.66	.18	.16	.04
22	.18	.65	.97	.12	3.0	.92	.74	.46	.50	.13	.12	.46
23	1.9	.55	6.8	5.8	2.5	.75	.63	.94	.75	.12	.14	16
24	1.7	.48	3.9	13	1.8	.68	.54	.79	.40	.13	.12	.14
25	.50	.45	2.3	10	1.4	.65	.48	9.6	.36	.13	7.4	.03
26	3.0	.37	1.5	2.5	1.1	.89	7.9	1.3	.29	.12	.02	.01
27	14	.40	2.3	2.0	.90	.64	7.5	.77	.29	.11	.00	11
28	7.0	.39	2.3	1.8	.86	.47	13	1.1	.32	21	.00	.23
29	1.5	.33	1.7	1.6	---	.49	2.8	14	17	1.2	.00	.11
30	.86	.24	1.2	1.5	---	.48	1.6	1.9	2.5	.54	.00	.05
31	.64	---	.94	6.8	---	1.8	---	1.5	---	.40	.00	---
TOTAL	44.32	20.19	111.84	167.36	160.96	65.54	115.96	45.75	79.54	41.28	24.85	33.93
MEAN	1.43	.67	3.61	5.40	5.75	2.11	3.87	1.48	2.65	1.33	.80	1.13
MAX	14	3.3	26	94	49	15	23	14	21	21	9.0	16
MIN	.00	.24	.27	.12	.86	.47	.48	.21	.29	.11	.00	.00
CFSM	1.19	.56	3.01	4.50	4.79	1.76	3.23	1.23	2.21	1.11	.67	.94
IN.	1.37	.63	3.47	5.19	4.99	2.03	3.59	1.42	2.47	1.28	.77	1.05
CAL YR 1981	TOTAL	652.27	MEAN	1.79	MAX	26	MIN	.00	CFSM	1.49	IN.	20.22
WTR YR 1982	TOTAL	911.52	MEAN	2.50	MAX	94	MIN	.00	CFSM	2.08	IN.	28.26

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES													
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.41	.24	5.9	.36	1.4	4.6	1.0	1.1	1.4	.51	.58	.39	
2	.35	.21	2.8	.34	2.9	8.6	.82	1.1	.92	.44	.38	.31	
3	.28	.20	1.6	.32	8.4	2.0	32	.95	.92	.37	.26	.29	
4	.25	.41	1.3	.25	2.3	1.3	3.4	1.9	4.8	.36	.23	.25	
5	.20	1.9	.97	4.4	1.4	.99	1.8	.97	1.3	.33	.20	.24	
6	.22	.42	1.0	4.9	1.0	.82	1.4	.70	32	.29	.18	.19	
7	.20	.31	.72	1.6	1.1	2.0	1.4	.63	5.1	.21	.20	.14	
8	.19	.28	.59	1.1	1.1	9.3	14	.67	2.3	.22	.16	.07	
9	.17	.23	.55	.86	.87	7.6	8.4	.55	1.5	.26	.13	.07	
10	.13	.20	.45	4.4	.68	16	46	.52	1.2	.22	.12	.09	
11	.13	.20	.49	14	1.7	3.6	5.6	.46	.99	.21	11	.06	
12	.14	.24	.45	2.2	.67	3.6	2.5	.56	.79	.25	1.5	2.7	
13	.25	2.5	.35	1.4	.58	1.7	1.6	.39	.69	.29	.45	.63	
14	.29	1.2	.33	1.0	.59	1.3	1.3	.61	.61	.27	.32	.12	
15	.16	.75	.34	1.5	.70	1.0	1.1	.61	.53	.43	.28	.07	
16	.14	.55	5.5	1.6	1.2	.82	66	5.3	.46	.42	.28	.05	
17	.11	.47	1.7	1.4	2.2	.68	5.6	2.9	.42	.19	.24	.05	
18	.05	.40	1.0	1.0	4.4	17	2.4	1.1	.41	.38	.20	.05	
19	.07	.35	.83	.72	4.3	18	4.1	.97	.40	8.0	.17	.04	
20	.11	.31	1.1	.58	3.6	2.9	5.2	1.4	1.5	.86	.17	.03	
21	.18	.31	.94	.54	5.1	38	2.4	3.3	3.0	.36	.08	6.8	
22	.11	.31	.70	.49	6.7	4.5	1.6	11	.87	.30	.12	3.2	
23	.11	.29	.59	11	5.3	1.9	1.3	5.9	.58	.16	.11	.38	
24	.09	.34	.67	18	3.7	1.5	7.8	1.6	.46	4.5	.12	.25	
25	1.8	.16	.59	5.8	2.3	1.6	20	.85	.39	.83	.12	.18	
26	7.2	.23	.56	3.3	1.5	1.7	2.9	17	.34	.36	.17	.16	
27	.83	.23	.47	1.9	1.1	6.0	1.7	14	.34	.28	.21	.15	
28	.49	.48	.49	1.5	1.0	13	1.5	3.4	4.1	.22	2.0	.12	
29	.40	10	.47	1.3	---	4.0	1.5	3.9	1.8	.17	15	.08	
30	.32	1.6	.39	1.4	---	1.6	1.3	4.4	.63	12	.69	1.6	
31	.27	---	.37	1.8	---	1.3	---	2.0	---	3.6	.52	---	
TOTAL	15.65	25.32	34.21	90.96	67.79	178.91	247.62	90.74	70.75	37.29	36.19	18.76	
MEAN	.50	.84	1.10	2.93	2.42	5.77	8.25	2.93	2.36	1.20	1.17	.63	
MAX	7.2	10	5.9	18	8.4	38	66	17	32	12	15	6.8	
MIN	.05	.16	.33	.25	.58	.68	.82	.39	.34	.16	.08	.03	
CFSM	.42	.70	.92	2.44	2.02	4.81	6.87	2.44	1.97	1.00	.97	.52	
IN.	.49	.78	1.06	2.82	2.10	5.55	7.68	2.81	2.19	1.16	1.12	.58	
CAL YR 1982	TOTAL	810.35		MEAN	2.22	MAX	94	MIN	.00	CFSM	1.85	IN.	25.12
WTR YR 1983	TOTAL	914.19		MEAN	2.50	MAX	66	MIN	.03	CFSM	2.08	IN.	28.34

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.49	.25	1.4	.87	.95	1.7	5.5	.51	3.3	2.2	.79	.23	
2	1.8	.22	1.0	.62	.74	1.2	3.0	.42	1.9	.92	1.2	.22	
3	.38	.28	2.0	.47	2.8	.95	2.0	1.7	1.4	1.0	.73	.63	
4	.23	.29	30	.36	15	.82	11	12	1.2	.73	.57	5.5	
5	.73	.19	4.1	.31	4.1	3.1	63	2.7	.90	1.2	4.3	.55	
6	.35	.22	9.3	.27	3.2	4.8	5.5	1.4	.80	2.8	.74	.31	
7	.16	.14	5.6	.24	1.9	2.3	2.6	1.2	.61	92	2.8	.23	
8	.13	.15	2.1	.21	1.2	1.5	1.7	4.1	.62	4.4	1.2	.21	
9	.12	.15	1.4	.37	.93	1.4	1.3	3.2	.53	2.4	.63	.20	
10	.09	12	1.3	.96	1.1	1.2	1.1	1.4	.46	1.7	.58	.87	
11	.09	5.5	1.1	1.1	1.9	1.1	.99	1.0	.44	7.4	.52	.77	
12	3.1	1.7	30	.56	2.9	.98	.91	1.1	.42	2.7	1.0	.23	
13	1.1	.91	72	.41	2.3	11	.74	.87	1.0	1.3	.52	.20	
14	5.8	.69	14	.48	3.3	31	.87	1.1	1.1	1.1	.42	.22	
15	.58	14	3.7	.41	44	5.9	3.3	.67	.41	.93	.36	1.0	
16	.38	16	2.3	.32	6.3	3.5	16	.54	.35	3.2	.34	.44	
17	.31	2.3	1.7	.27	3.2	2.4	3.5	.54	.73	.88	.27	.22	
18	.27	1.3	1.4	.24	2.5	1.7	2.0	.46	2.0	3.5	.25	.20	
19	6.0	.94	1.2	.36	1.9	1.3	1.6	.66	3.9	2.1	.25	.20	
20	.77	.81	.94	.26	1.5	1.1	1.3	2.2	.88	.81	.25	.14	
21	.48	17	.79	.23	1.2	1.8	.93	2.8	.65	36	.19	.08	
22	.35	2.1	41	.20	1.0	1.4	.70	.85	.53	3.7	.20	.04	
23	9.8	1.3	4.9	.22	1.8	.99	2.5	1.1	.49	1.9	6.4	.04	
24	24	2.7	2.2	2.3	7.9	.85	2.0	.73	5.5	1.2	.44	.04	
25	2.1	23	1.2	5.5	2.7	.79	1.0	.54	9.0	.82	.29	.04	
26	1.0	3.7	.95	4.7	1.7	.74	.71	1.1	1.3	.70	.25	.10	
27	.66	1.9	1.4	4.3	1.3	.66	.59	.78	.93	38	.25	.01	
28	.52	7.1	24	2.6	12	5.5	.64	4.8	.77	2.9	.68	1.4	
29	.37	7.8	8.7	1.5	3.5	26	.73	45	.74	1.6	.49	.29	
30	.27	2.2	1.7	1.2	---	21	.57	65	1.8	1.2	.30	.16	
31	.26	---	1.1	1.3	---	18	---	15	---	.90	.37	---	
TOTAL	62.69	126.84	274.48	33.14	134.82	156.68	138.28	175.47	44.66	222.19	27.58	14.77	
MEAN	2.02	4.23	8.85	1.07	4.65	5.05	4.61	5.66	1.49	7.17	.89	.49	
MAX	24	23	72	5.5	44	31	63	65	9.0	92	6.4	5.5	
MIN	.09	.14	.79	.20	.74	.66	.57	.42	.35	.70	.19	.01	
CFSM	1.68	3.53	7.37	.89	3.88	4.21	3.84	4.72	1.24	5.97	.74	.41	
IN.	1.94	3.93	8.51	1.03	4.18	4.86	4.29	5.44	1.38	6.89	.85	.46	
CAL YR 1983	TOTAL	1303.02		MEAN	3.57	MAX	72	MIN	.03	CFSM	2.97	IN.	40.39
WTR YR 1984	TOTAL	1411.60		MEAN	3.86	MAX	92	MIN	.01	CFSM	3.22	IN.	43.76

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	.0	.0	.0	.0	.0	.0	.0	.0
2				---	.0	.0	.0	.0	.4	.0	.3	.0
3				---	.0	.0	.0	.0	.2	.0	.0	.0
4				---	.0	.0	.7	.0	.0	.0	.1	.0
5				---	.0	.1	.0	.1	.0	.4	.0	.0
6				---	.0	.0	.0	.0	.0	.0	.0	.0
7				---	.0	.0	.0	.2	.0	.0	.0	.0
8				---	.0	.3	.0	.3	.1	.0	.0	.0
9				---	.0	.0	2.0	.0	.4	.0	.0	.0
10				---	.0	.7	.0	.0	.0	.0	.0	.0
11				---	.0	.1	.0	.0	.0	.0	.2	.0
12				---	.1	.0	.0	.5	.1	.0	.0	.0
13				---	.0	.0	.0	.5	.1	.0	.0	.0
14				---	.0	.6	.4	.0	.0	.0	.0	.1
15				---	.0	.0	.1	.0	.0	.0	.1	.0
16				---	.5	.0	.0	.0	.0	.0	.0	.0
17				---	.0	.3	.0	.0	.0	.1	.0	1.0
18				---	.0	.2	.0	.1	.0	.0	.0	.9
19				.0	.0	.0	.0	.1	.0	.0	.0	.0
20				.0	.0	.0	.0	.1	.0	.0	.0	.0
21				.0	.0	2.3	.0	.5	.0	.0	.0	.0
22				.1	.4	.1	.0	.0	.0	.4	.0	.0
23				.0	.0	.0	.0	.0	.0	.6	.0	.0
24				.0	.0	.6	.0	.0	.0	.0	.0	.0
25				.0	.0	.3	.0	.0	.0	.0	.1	.3
26				.0	.0	.0	.0	.0	.0	.0	.0	.3
27				.0	.0	.0	.4	.0	.1	.0	.0	.0
28				.0	.0	.0	2.1	.0	.0	.0	.0	.0
29				.0	.0	.8	.7	.0	1.0	.8	.0	.0
30				.0	---	.0	.1	.0	.6	.0	.0	.0
31				.0	---	1.5	---	.0	---	.0	.0	---
TOTAL				---	1.0	7.9	6.5	2.4	3.0	2.3	.8	2.6

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.6	.2	.0	.3	.0	.0
2	.8	.0	.0	.0	1.4	.0	.0	.5	.9	.0	.0	.0
3	.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
4	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0
5	.0	.0	.0	.0	.0	.1	.5	.0	.0	.1	.4	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.6	.8
9	.0	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
10	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.9	.1	.1	2.5	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.1	.0	.0	.6	.0	.0
14	.0	.0	.0	.0	.0	.0	.8	.0	.7	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.0	.1	.0	.0	.5
16	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.7
17	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.9	.0	.0	.0	.3	1.0	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0	.0
22	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0
23	.0	.0	.0	.0	.8	.0	.3	.0	.0	.0	.0	.0
24	.0	1.4	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0
25	2.2	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0
28	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.2	.0	.0
30	.0	.0	.0	.0	---	.4	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.9	3.5	.3	.1	4.8	.7	2.8	4.2	3.2	5.1	1.1	2.0

WTR YR 1981 TOTAL 31.7

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.4	.0	.9	.5	.1	.0	.0	.0	.2	.0	.0	.1
2	.2	.0	.8	.0	.5	.1	.0	.0	.2	.0	.0	.6
3	.0	.0	.0	.3	1.3	.0	1.9	.0	.0	.8	.0	.1
4	.0	.0	.0	2.8	.0	.3	.0	.0	.1	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
6	.4	.5	.0	.0	.0	.0	.5	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	.9	.1	.0	.1	.0	.1	.1
8	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.1	.2
10	.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0
12	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.2	.0
13	.0	.0	.1	.0	.0	.0	.0	.0	1.9	.0	.0	.0
14	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.4	1.4	.0	.0	.0	.0	.1	.0	.0	.1	.0
16	.0	.0	.1	.1	.0	.1	.0	.0	.6	.0	.0	.0
17	.0	.0	.0	.2	.0	.0	.6	.8	.2	.0	.0	.0
18	.8	.1	.0	.0	.0	.0	.3	.4	.0	.0	.0	.0
19	.0	.0	.0	.5	.4	.1	.0	.0	.0	.0	.0	.0
20	.0	.6	.0	.1	.1	.0	.0	.6	.0	.1	.0	.5
21	.0	.1	.0	.0	.2	.0	.0	.1	.1	.0	.0	.0
22	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
23	.6	.0	.2	1.0	.0	.0	.0	.3	.1	.0	.0	1.4
24	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.1	1.0	.0	.0	.7	.0
26	.4	.0	.0	.0	.0	.2	1.2	.0	.1	.0	.0	.0
27	1.3	.0	.1	.0	.0	.0	.5	.1	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.2	.5	.0	2.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.7	1.5	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.0
31	.0	---	.0	.3	---	.5	---	.0	---	.0	.0	---
TOTAL	4.1	1.9	4.7	5.9	2.9	2.4	5.6	4.8	5.2	3.3	2.5	4.3

CAL YR 1981 TOTAL 34.7
WTR YR 1982 TOTAL 47.6

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.5	.0	.0	.6	.0	.0	.1	.0	.0	.0
2	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.1	.0
3	.0	.0	.0	.0	.3	.0	1.6	.0	.1	.0	.0	.0
4	.0	.3	.0	.0	.0	.0	.0	.4	.5	.0	.0	.0
5	.0	.2	.0	.9	.0	.0	.0	.0	.3	.0	.0	.0
6	.0	.1	.1	.1	.0	.0	.0	.0	1.8	.0	.0	.0
7	.0	.0	.0	.0	.1	.2	.3	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.1	.6	1.1	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.1	.0	.1	.0
10	.0	.0	.0	.8	.0	.7	1.7	.0	.0	.0	.0	.0
11	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	1.1	.0
12	.0	.1	.0	.0	.6	.1	.0	.0	.0	.0	.0	.5
13	.1	1.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.3	.0	.0	.0	.1	.0	.1	.0	.0
16	.0	.0	.7	.2	.0	.0	2.7	.8	.0	.0	.0	.0
17	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.3	.1	.1	.1	.9	.0	.0
20	.0	.0	.1	.0	.0	.0	.1	.1	.6	.0	.0	.0
21	.0	.0	.0	.0	.0	1.6	.0	.4	.3	.1	.0	.9
22	.0	.0	.0	.0	.0	.0	.0	.7	.0	.1	.0	.1
23	.0	.0	.1	.9	.0	.0	.0	.0	.0	.0	.0	.2
24	.0	.0	.0	.0	.0	.0	.8	.0	.0	.4	.0	.0
25	.6	.0	.0	.0	.1	.0	.5	.0	.0	.1	.0	.0
26	.8	.0	.1	.0	.0	.0	.0	1.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.5	.0	.2	.0	.0	.0	.0
28	.0	.5	.1	.0	.0	.0	.0	.1	.9	.0	.9	.0
29	.2	.8	.0	.0	---	.0	.0	.2	.0	.0	.3	.0
30	.0	.0	.0	.2	---	.0	.0	.3	.0	1.3	.0	.4
31	.0	---	.0	.0	---	.0	---	.1	---	.0	.2	---
TOTAL	1.7	3.0	1.7	3.5	2.2	7.4	8.9	5.0	4.8	3.0	2.7	2.1
CAL YR 1982 TOTAL	43.3											
WTR YR 1983 TOTAL	46.0											

RARITAN RIVER BASIN

01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
3	.0	.0	.3	.0	.4	.0	.0	.7	.0	.1	.0	.2
4	.0	.0	1.1	.0	.1	.0	1.0	.6	.0	.0	.0	.5
5	.2	.0	.0	.0	.1	.7	1.9	.0	.0	.4	.4	.0
6	.0	.0	.6	.0	.0	.0	.1	.0	.0	.1	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
10	.0	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1
11	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0
12	.6	.0	1.2	.0	.0	.0	.0	.1	.0	.0	.1	.0
13	.4	.0	2.2	.0	.0	1.2	.0	.0	.4	.0	.0	.0
14	.1	.0	.0	.1	.2	.2	.1	.4	.0	.0	.0	.0
15	.0	1.2	.0	.0	1.3	.0	.4	.0	.0	.0	.0	.3
16	.0	.2	.0	.0	.0	.0	.9	.0	.0	.4	.0	.0
17	.0	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0
18	.0	.0	.0	.3	.0	.0	.0	.0	.4	.7	.0	.0
19	.5	.0	.0	.2	.0	.0	.0	.1	.2	.0	.0	.0
20	.0	.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
21	.0	1.0	.0	.0	.0	.2	.0	.0	.0	2.3	.0	.0
22	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.3	.0	.0	.0	.5	.0	.3	.3	.0	.0	.6	.0
24	.9	.4	.0	.6	.0	.0	.2	.0	1.2	.0	.0	.0
25	.0	.9	.0	.4	.0	.0	.0	.0	.4	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0
28	.0	.6	1.3	.0	.6	.8	.0	1.2	.0	.0	.0	.4
29	.0	.0	.0	.0	.0	1.1	.0	1.8	.0	.0	.0	.0
30	.0	.0	.0	.1	---	.0	.0	1.8	.3	.0	.0	.0
31	.0	---	.0	.0	---	.0	---	.2	---	.0	.0	---
TOTAL	4.5	5.8	8.5	1.9	3.2	4.5	5.0	8.7	3.2	11.3	1.1	1.5
CAL YR 1983 TOTAL	58.4											
WTR YR 1984 TOTAL	59.2											

RARITAN RIVER BASIN

403025074401701 AUXILIARY RAIN GAGE - ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
2	---	.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
3	---	.9	.0	.0	.0	.0	.0	.0	.1	.0	.2	.0
4	---	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
5	---	.0	.0	.1	.0	.1	.0	.0	.0	.9	.4	.0
6	---	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	---	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
8	---	.0	.0	.0	.0	.3	.0	.5	.2	.0	.0	.0
9	---	.0	.0	.0	.0	.0	1.9	.0	.5	.0	.0	.0
10	---	.5	.0	.0	.0	.7	.0	.0	.0	.1	.0	.0
11	---	.7	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0
12	---	.0	.0	.1	.0	.0	.0	.4	.0	.0	.0	.0
13	---	.0	.6	.0	.0	.0	.0	.5	.0	.0	.0	.0
14	---	.1	.0	.0	.0	.0	.4	.0	.0	.0	.0	.1
15	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
16	---	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0
17	.1	.0	.0	.0	.0	.3	.0	.0	.0	.1	.0	.8
18	.0	.0	.0	.5	.0	.2	.0	.1	.0	.0	.0	.8
19	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
20	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	2.3	.0	.6	.0	.0	.0	.0
22	.0	.0	.0	.1	.4	.1	.0	.0	.0	.3	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0
24	.0	.0	.2	.0	.0	.6	.0	.0	.0	.0	.0	.0
25	.0	.0	.4	.0	.0	.3	.0	.0	.0	.0	.0	.2
26	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0
28	.1	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.8	.7	.0	.9	.7	.0	.0
30	.0	.0	.0	.0	---	.0	.1	.0	.2	.0	.0	---
31	.0	---	.0	.0	---	1.5	---	.2	---	.0	.0	---
TOTAL	---	3.5	2.1	1.8	0.9	7.3	6.8	2.5	2.4	3.3	.8	---

RARITAN RIVER BASIN

403025074401701 AUXILIARY RAIN GAGE - ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.6	.0				
2	.8	.0	.0	.0	1.4	.0	.0	1.1				
3	.5	.0	.0	.0	.0	.0	.0	.0				
4	.0	.2	.0	.0	.0	.0	.0	.0				
5	.0	.0	.0	.0	.0	.0	.5	.0				
6	.0	.0	.0	.1	.0	.0	.0	.0				
7	.0	.0	.0	.2	.0	.0	.0	.0				
8	.0	.0	.0	.0	.2	.0	.0	.0				
9	.0	.4	.0	.0	.0	.0	.0	.0				
10	.0	.0	.0	.0	.0	.0	.0	.0				
11	.0	.0	.0	.0	.9	.0	.1	.9				
12	.0	.0	.0	.0	.0	.0	.3	1.6				
13	.0	.0	.0	.0	.0	.0	.1	.0				
14	.0	.0	.0	.0	.0	.0	.8	.0				
15	.0	.0	.0	.0	.0	.0	.0	.0				
16	.0	.0	.0	.0	.0	.1	.0	.9				
17	.0	.0	.0	.0	.0	.0	.0	.0				
18	.3	.9	.1	.0	.0	.0	.0	.0				
19	.1	.0	.0	.0	.2	.0	.0	.0				
20	.0	.0	.0	.0	.9	.0	.0	.0				
21	.0	.0	.0	.0	.1	.0	.0	.0				
22	.0	.0	.0	.0	.1	.0	.0	.0				
23	.0	.0	.1	.0	.8	.0	.3	.0				
24	.0	1.3	.1	.0	.1	.0	.0	.0				
25	2.3	.0	.0	.0	.0	.0	.0	---				
26	.0	.0	.0	.0	.0	.0	.0	---				
27	.0	.0	.0	.0	.0	.0	.0	---				
28	.1	.4	.0	.0	.0	.0	.0	---				
29	.0	.0	.1	.0	---	.0	.1	---				
30	.0	.0	.0	.0	---	.4	.0	---				
31	.0	---	.0	.0	---	.0	---	---				
TOTAL	4.1	3.2	.4	.3	4.7	.5	2.8	---				

RARITAN RIVER BASIN

403025074401701 AUXILIARY RAIN GAGE - ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.4	.0	1.1	.6	.1	.0	.0	.0	.2	.0	.0	.1
2	.2	.0	.5	.0	.5	.0	.0	.0	.2	.0	.0	.4
3	.0	.0	.0	.1	1.3	.0	1.7	.0	.0	.8	.0	.1
4	.0	.0	.0	2.5	.0	.3	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.7	.0
6	.4	.6	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.0	.0	.1	.0	.0	.0
8	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.3	.0
10	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0
13	.0	.0	.0	.5	.0	.0	.0	.0	1.9	.0	.0	.0
14	.0	.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.3	.1	.0	.1	.0	.0	.3	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.4	.0	.2	.0	.0	.0
18	.8	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.2	.0	.0	.1	.0	.0	.8	.0	.0	.0	.4
21	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
23	.6	.0	.1	1.0	.0	.0	.0	.2	.2	.0	.0	1.1
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.1	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.7	.0
26	.4	.0	.0	.0	.0	.1	1.2	.0	.0	.0	.0	.0
27	1.1	.0	.1	.0	.0	.0	.6	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.3	.4	.0	2.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.8	1.7	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.0
31	.0	---	.1	.1	---	.5	---	.0	---	.0	.0	---
TOTAL	4.0	1.3	4.5	5.1	2.9	2.2	4.9	3.5	5.0	3.0	2.0	3.3

WTR YR 1982 TOTAL 41.7

RARITAN RIVER BASIN

403025074401701 AUXILIARY RAIN GAGE - ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.5	.0	.0	.7	.0	.0	.1	.0	.0	.0
2	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.3	.0	1.6	.0	.1	.0	.0	.0
4	.0	.2	.0	.0	.0	.0	.0	.4	.6	.0	.0	.0
5	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.1	.0	.0	.0	1.5	.0	.0	.0
7	.0	.0	.0	.0	.3	.3	.3	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.7	1.1	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0
10	.0	.0	.0	1.1	.0	.8	1.7	.0	.0	.0	.3	.0
11	.0	.0	.0	.0	1.1	.1	.0	.0	.0	.0	1.2	.0
12	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.6
13	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15	.0	.0	.0	.6	.0	.0	.0	.1	.0	.0	.0	.0
16	.0	.0	.7	.2	.0	.0	2.7	.9	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.4	.0	.0	.3	1.3	.0	.0
19	.0	.0	.2	.0	.0	.3	.1	.0	.7	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0
21	.0	.0	.1	.0	.0	1.6	.0	.4	.0	.0	.0	1.1
22	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2
23	.0	.0	.0	.9	.0	.0	.0	.7	.0	.8	.0	.0
24	.0	.0	.1	.0	.0	.0	.8	.0	.0	.1	.0	.0
25	.8	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
26	.7	.0	.1	.0	.0	.0	.0	.9	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.5	.0	.7	1.0	.0	.0	.0
28	.0	.5	.1	.0	.0	.0	.0	.1	.0	.0	1.5	.0
29	.0	.8	.0	.0	---	.0	.0	.2	.0	.0	.4	.0
30	.0	.0	.0	.1	---	.0	.0	.3	.0	1.5	.0	.4
31	.0	---	.0	.0	---	.0	---	.1	---	.0	.0	---
TOTAL	1.6	2.9	1.9	3.8	2.3	7.7	8.9	5.2	4.3	3.8	3.5	2.3
CAL YR 1982	TOTAL	38.3										
WTR YR 1983	TOTAL	48.2										

RARITAN RIVER BASIN

403025074401701 AUXILIARY RAIN GAGE - ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J.

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
3	.0	.0	.3	.0	.3	.0	.0	.8	.0	.0	.0	.2
4	.0	.0	1.3	.0	.0	.0	1.3	.7	.0	.0	.0	.5
5	.1	.0	.0	.0	.1	.6	1.9	.0	.0	.5	.5	.0
6	.0	.0	.6	.0	.0	.1	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0
8	.0	.0	.0	.0	.0	.1	.0	.6	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
10	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1
11	.0	.2	.0	.1	.1	.0	.0	.0	.0	.5	.0	.0
12	.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.1	.0
13	.4	.0	2.1	.0	.0	1.8	.0	.0	.3	.0	.0	.0
14	.1	.0	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0
15	.0	1.1	.0	.0	1.6	.0	.6	.0	.0	.0	.0	.3
16	.0	.4	.0	.0	.0	.0	.8	.0	.0	.4	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
18	.0	.0	.0	.3	.0	.0	.1	.0	.7	.6	.0	.0
19	.7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0
21	.0	.9	.0	.0	.0	.3	.0	.0	.0	1.3	.0	.0
22	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.2	.0	.0	.0	.6	.0	.5	.2	.0	.0	.6	.0
24	1.1	.4	.0	.5	.1	.0	.1	.0	1.1	.0	.0	.0
25	.0	.9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0
28	.0	.8	1.3	.0	.8	1.3	.0	1.1	.0	.0	.0	.4
29	.0	.0	.0	.0	.0	1.9	.0	1.6	.0	.0	.0	.0
30	.0	.0	.0	.2	---	.0	.0	1.9	.2	.0	.0	.0
31	.0	---	.0	.1	---	.0	---	.3	---	.0	.0	---
TOTAL	4.6	6.2	9.4	1.8	3.8	6.3	5.4	8.3	2.7	9.3	1.4	1.5
CAL YR 1983 TOTAL	62.0											
WTR YR 1984 TOTAL	60.7											

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

LOCATION.--Lat 40°36'44", long 74°35'28", Somerset County, Hydrologic Unit 02030105, on left bank 150 ft upstream from bridge on Crim Road, 1.4 mi northwest of Martinsville, and 1.8 mi upstream from confluence with East Branch Middle Brook.

DRAINAGE AREA.--1.99 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1979 to 1984.

GAGE.--Water-stage recorder. Datum of gage is 240.48 ft National Geodetic Vertical Datum of 1929 (levels by Somerset County).

REMARKS.--Water-discharge records fair.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 816 ft³/s May. 11, 1981, gage height, 5.60 ft; no flow part or all of each day Sept. 19-30, 1980.

MAXIMUM DISCHARGE FOR 1980-1984 WATER YEARS.--Peak discharges above base of 225 ft³/s, revised 1984, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
1980 Water year				Mar. 27	2225	289	4.53
				Apr. 10	1205	286	4.52
Mar. 21	1425	*439	4.96	Apr. 16	0725	*331	4.66
Apr. 09	1230	286	4.52	May 22	2250	286	4.52
				May 26	1815	226	4.32
1981 Water year				1984 Water year			
Feb. 26	2150	329	4.44	Dec. 13	0855	252	4.41
May 11	2010	*816	5.60	Dec. 22	1150	237	4.36
Sept. 01	1725	263	4.26	Dec. 28	1805	257	4.43
1982 Water year				Apr. 05	0500	299	4.56
				May 30	0445	503	5.10
Oct. 27	2250	257	4.21	July 07	0420	*652	5.41
Jan. 04	0945	*649	5.26	July 21	1005	447	4.97
Apr. 03	1845	310	4.43				
1983 Water year							
Mar. 21	1130	228	4.33				

Selected storm rainfall-runoff data, 1980-84 water years, West Branch Middle Brook drainage basin

01403150 West Branch Middle Brook near Martinsville NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1980														
12/24/1979	24:50	0.7	0.1	0.1	0.2	0.2	0.4	0.5	0.5	0.6	55	2.4	0.20	0.29
3/10/1980	4:25	.7	.1	.1	.2	.2	.4	.7	--	--	48	1.6	.19	.28
3/21/1980	28:20	2.2	.1	.2	.3	.4	1.1	1.6	2.0	2.1	434	4.7	1.65	.75
3/24/1980	5:35	.7	.1	.1	.2	.3	.5	.7	--	--	73	5.3	.32	.46
3/29/1980	18:10	.8	.1	.1	.1	.1	.2	.3	.5	.8	25	3.8	.29	.37
3/31/1980	19:35	1.3	.1	.1	.2	.3	.4	.7	.9	1.3	121	5.8	.84	.65
4/04/1980	3:10	.6	.1	.2	.3	.4	.5	.6	--	--	48	4.5	.26	.43
4/09/1980	16:20	1.9	.1	.2	.3	.5	.9	1.3	1.6	1.9	282	3.6	1.12	.59
4/27/1980	44:35	1.8	.1	.1	.2	.4	.8	1.1	1.4	1.5	167	1.5	.76	.42
5/07/1980	10:35	.7	.1	.1	.1	.2	.4	.5	.7	--	17	1.3	.10	.14
5/12/1980	40:00	1.0	.1	.1	.1	.2	.3	.4	.4	.8	25	1.6	.17	.17
6/29/1980	2:00	1.6	.4	.8	1.1	1.5	1.6	--	--	--	41	.05	.06	.04
9/17/1980	5:30	2.5	.4	.9	.9	.9	1.9	2.5	--	--	20	.01	.04	.01
Water year 1981														
10/25/1980	13:10	2.4	0.1	0.2	0.3	0.6	1.4	2.1	2.3	2.4	85	1.1	0.23	0.09
11/24/1980	10:30	1.3	.2	.3	.3	.5	.7	.9	1.3	--	64	1.2	.20	.15
3/30/1981	6:05	.8	.1	.2	.3	.4	.6	.7	.8	--	55	4.7	.15	.19
4/01/1981	2:30	.7	.1	.2	.3	.5	.7	--	--	--	110	1.4	.39	.56
4/05/1981	9:10	.8	.1	.1	.1	.2	.3	.5	.8	--	45	1.2	.21	.26
5/01/1981	7:05	.7	.1	.2	.2	.2	.4	.5	.7	--	42	4.4	.18	.25
5/11/1981	32:55	3.3	.2	.4	.6	1.0	1.4	1.9	2.9	3.1	816	.70	.59	.79
5/15/1981	4:15	1.0	.1	.1	.2	.3	.7	1.0	--	--	148	2.5	.43	.43
7/04/1981	12:20	1.6	.1	.2	.3	.4	.7	1.1	1.5	--	42	.33	.10	.06
9/01/1981	4:15	2.5	.4	1.1	1.6	1.9	1.9	2.5	--	--	263	.19	.40	.16
Water year 1982														
10/25/1981	46:15	1.6	0.3	0.6	0.7	0.7	0.9	0.9	0.9	1.1	256	0.77	0.51	0.32
12/01/1981	15:10	1.6	.1	.1	.2	.2	.5	.8	1.3	1.6	143	.52	.86	.54
12/14/1981	36:05	2.4	.2	.2	.2	.2	.5	.9	1.3	1.4	125	.58	1.23	.51
4/03/1982	10:20	1.7	.2	.3	.5	.7	1.1	1.5	1.7	--	308	1.8	1.02	.60
4/17/1982	3:45	.7	.1	.1	.2	.3	.5	.7	--	--	148	2.5	.30	.43
4/26/1982	10:05	1.2	.1	.1	.2	.3	.7	1.0	1.2	--	106	1.9	.54	.45
4/27/1982	11:05	0.8	.1	.1	.2	.2	.4	.6	.8	--	213	5.0	.71	.88
5/28/1982	10:40	1.2	.1	.2	.3	.3	.6	.9	1.2	--	117	.52	.35	.29
6/13/1982	16:30	1.9	.1	.1	.2	.3	.5	.9	1.6	1.9	86	.38	.58	.31
6/29/1982	11:00	1.7	.2	.5	.5	.8	1.0	1.6	1.7	--	28	.52	.12	.07
8/05/1982	0:25	.7	.3	.6	.7	--	--	--	--	--	27	.64	.02	.03
9/23/1982	4:00	1.1	.1	.3	.5	.7	1.0	1.1	--	--	165	.38	.17	.16
9/27/1982	5:35	1.0	.2	.2	.3	.5	.7	1.0	--	--	35	.09	.06	.06

Selected storm rainfall-runoff data, 1980-84 water years, West Branch Middle Brook drainage basin--Continued

01403150 West Branch Middle Brook near Martinsville NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)										Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow			
Water year 1983															
10/25/1982	19:10	1.3	0.1	0.1	0.2	0.2	0.5	0.5	0.8	1.3	19	0.18	0.09	0.07	
11/13/1982	5:50	1.5	.2	.3	.5	.7	1.0	1.5	--	--	48	.92	.26	.18	
11/28/1982	15:10	1.5	.2	.2	.2	.3	.5	.9	1.3	1.5	31	.14	.20	.14	
3/18/1983	15:35	1.6	.2	.2	.2	.3	.6	.9	1.3	1.6	159	2.0	.93	.58	
3/21/1983	6:45	1.2	.1	.1	.2	.4	.9	1.1	1.2	--	225	3.6	.85	.70	
3/27/1983	23:25	1.4	.1	.2	.3	.5	1.0	1.2	1.3	1.4	287	2.3	.80	.57	
4/03/1983	7:00	1.2	.1	.1	.2	.3	.6	1.1	1.2	--	175	2.4	.65	.54	
4/07/1983	30:05	1.3	.1	.1	.2	.2	.5	.8	1.0	1.2	93	2.6	.52	.40	
4/10/1983	12:20	1.5	.1	.1	.2	.3	.7	1.1	1.4	1.5	281	4.9	1.04	.70	
4/16/1983	11:15	2.8	.2	.2	.3	.5	1.2	2.3	2.8	--	327	3.6	1.53	.55	
5/22/1983	3:05	1.0	.1	.3	.4	.6	.9	1.0	--	--	283	3.4	.44	.44	
5/26/1983	11:40	1.8	.2	.4	.5	.7	1.2	1.5	1.8	--	224	1.6	1.06	.59	
5/29/1983	21:05	0.7	.1	.1	.1	.1	.2	.3	.5	.7	20	3.6	.18	.26	
6/28/1983	9:20	1.3	.1	.3	.4	.6	.6	.7	1.3	--	34	.26	.10	.07	
9/21/1983	7:00	1.1	.1	.2	.3	.5	.9	1.0	1.1	--	15	.26	.04	.03	
Water year 1984															
12/04/1983	6:05	1.1	0.1	0.1	0.2	0.3	0.7	1.0	1.1	--	202	1.3	0.77	0.65	
12/12/1983	45:00	3.4	.1	.2	.2	.3	.7	.9	1.5	2.3	251	1.1	3.00	.88	
12/22/1983	9:35	1.6	.1	.1	.2	.3	.7	1.1	1.6	--	236	.92	.84	.53	
12/28/1983	9:55	1.4	.1	.2	.2	.4	.8	1.2	1.4	--	257	1.3	.58	.41	
4/04/1984	22:15	3.0	.1	.1	.2	.3	.8	1.4	2.2	3.0	295	4.2	2.48	.86	
5/28/1984	70:40	4.1	.1	.1	.2	.4	.9	1.2	1.7	3.0	501	2.1	3.13	.76	
6/19/1984	33:25	1.1	.1	.2	.4	.7	1.0	1.0	1.0	1.1	222	.92	.21	.19	
7/07/1983	8:45	3.4	.1	.1	.1	.1	.8	2.6	3.4	--	651	.70	2.16	.64	

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	11	1.9	1.1	1.0	.64	.65	18	3.4	.61	.08	.02	.12	
2	2.8	2.1	1.0	.99	.66	.54	6.6	2.6	.54	.05	.02	.09	
3	2.9	15	.94	.88	.62	.52	4.8	2.2	1.2	.05	.02	.07	
4	1.6	2.8	.98	.91	.64	.55	18	1.8	.60	.05	.02	.08	
5	1.8	1.7	.93	.91	.63	.71	5.9	1.6	.47	.50	.02	.12	
6	1.4	1.5	2.9	.91	.62	.66	4.2	1.6	.41	.34	.04	.12	
7	1.1	1.3	5.6	.85	.64	.69	3.6	1.7	.36	.03	.05	.05	
8	.90	1.2	1.8	.74	.66	2.1	3.3	6.3	.50	.03	.11	.05	
9	1.8	1.1	1.4	.68	.68	2.1	54	2.4	.58	.02	.11	.05	
10	15	3.5	1.3	.68	.66	2.9	13	1.8	.63	.02	.11	.04	
11	4.1	4.5	1.2	16	.61	10	4.8	1.6	.40	.02	.12	.04	
12	3.3	11	1.1	9.5	.53	1.7	3.8	3.8	.34	.02	.14	.03	
13	2.6	2.8	6.3	1.8	.49	1.9	3.3	6.9	.26	.01	.10	.03	
14	1.5	2.5	2.6	1.8	.50	3.9	7.4	3.3	.26	.01	.12	.04	
15	1.3	1.8	1.6	1.8	.50	1.7	6.8	1.9	.25	.02	.16	.05	
16	1.1	1.7	1.7	1.5	2.0	2.1	3.6	1.5	.23	.03	.14	.04	
17	.98	1.5	2.5	1.2	1.2	16	2.9	1.2	.19	.03	.12	1.2	
18	.90	1.3	1.1	3.4	.59	28	2.6	1.7	.17	.02	.10	1.1	
19	.90	1.1	1.3	6.8	.55	4.3	2.3	1.5	.13	.02	.24	.00	
20	.92	1.1	1.1	2.1	.57	3.4	2.2	1.3	.13	.03	.24	.00	
21	1.0	.99	1.0	1.6	.61	83	2.2	4.2	.12	.04	.25	.00	
22	1.2	.99	1.3	1.4	2.1	14	1.8	1.8	.09	.13	.23	.00	
23	1.9	.99	2.4	1.5	3.8	5.9	1.7	1.2	.09	.10	.22	.00	
24	3.4	.98	3.7	1.3	1.5	5.6	1.6	.95	.07	.07	.20	.00	
25	2.7	.97	12	.90	1.1	21	1.5	.81	.05	.06	.17	.00	
26	2.4	17	2.9	.94	.94	5.4	1.4	.62	.05	.07	.12	.00	
27	2.3	3.4	1.8	.84	.87	4.1	1.8	.57	.19	.08	.10	.00	
28	3.7	2.1	1.5	.78	1.1	3.6	33	.51	.23	.07	.11	.00	
29	2.9	1.6	1.3	.88	.79	15	10	.50	1.3	.52	.10	.00	
30	2.2	1.3	1.2	.71	---	8.0	4.6	.47	1.8	.03	.10	.00	
31	2.1	---	1.1	.70	---	38	---	.52	---	.02	.12	---	
TOTAL	83.70	91.72	68.65	66.00	26.80	288.02	230.7	62.25	12.25	2.57	3.72	3.32	
MEAN	2.70	3.06	2.21	2.13	.92	9.29	7.69	2.01	.41	.08	.12	.11	
MAX	15	17	12	16	3.8	83	54	6.9	1.8	.52	.25	1.2	
MIN	.90	.97	.93	.68	.49	.52	1.4	.47	.05	.01	.02	.00	
CFSM	1.36	1.54	1.11	1.07	.46	4.67	3.86	1.01	.21	.04	.06	.06	
IN.	1.56	1.71	1.28	1.23	.50	5.38	4.31	1.16	.23	.05	.07	.06	
WTR YR 1980	TOTAL	939.70		MEAN	2.57	MAX	83	MIN	.00	CFSM	1.29	IN.	17.57

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.08	.10	.18	.12	.14	3.3	19	1.1	.33	.21	.15	21	
2	.13	.10	.16	.13	33	1.4	4.9	14	1.3	.21	.15	.53	
3	.20	.09	.18	.13	2.3	1.0	1.8	2.8	.64	.23	.15	.15	
4	.24	.12	.17	.13	.72	.96	1.4	1.6	.66	5.0	.15	.14	
5	.09	.14	.16	.13	.42	1.1	11	1.2	.42	1.3	.16	.14	
6	.08	.12	.16	.13	.38	2.6	2.3	1.0	.39	.42	.15	.14	
7	.08	.12	.16	.12	.16	6.0	1.3	.72	.33	.38	.15	.14	
8	.08	.12	.16	.11	.19	9.0	1.2	.65	.30	.33	.33	3.8	
9	.08	.15	.17	.11	2.1	5.2	1.7	.62	.51	.32	.18	.71	
10	.08	.25	.20	.11	.18	2.4	1.2	.62	.52	.32	.16	.18	
11	.08	.15	.16	.10	17	2.4	1.0	128	.35	.34	.16	.16	
12	.08	.16	.16	.10	11	2.4	1.2	13	.29	.35	.18	.15	
13	.08	.15	.16	.09	.85	1.7	1.3	2.5	.27	.38	.15	.15	
14	.08	.15	.14	.13	.51	1.2	12	1.4	.81	.29	.15	.15	
15	.08	.15	.14	.09	.42	1.1	5.3	20	1.8	.28	.15	.28	
16	.08	.15	.16	.10	.36	1.0	2.3	6.9	.49	.28	.16	2.5	
17	.08	.17	.14	.11	.41	.55	1.6	1.8	.33	.28	.33	.38	
18	.26	1.7	.15	.10	.47	.47	1.2	1.2	.25	.24	.16	.55	
19	.13	.35	.15	.11	.60	.35	1.0	1.0	.22	.24	.15	.30	
20	.09	.22	.17	.11	35	.38	.94	.86	.29	.70	.15	.24	
21	.08	.22	.23	.11	22	.38	.80	.77	.25	1.8	.15	.24	
22	.09	.20	.19	.11	7.6	.36	.77	.70	.29	.43	.15	.28	
23	.08	.19	.23	.11	3.2	.58	4.8	.62	.27	.19	.15	.28	
24	.09	12	.26	.11	33	.47	4.7	.58	.28	.18	.19	.29	
25	13	.62	.35	.11	3.5	.38	1.7	.53	2.7	.18	.16	.30	
26	.31	.25	.22	.12	31	.38	1.1	.48	.55	.19	.16	.28	
27	.12	.20	.15	.15	1.6	.38	.87	.44	.29	.26	.16	.25	
28	.11	1.1	.15	.16	1.5	.36	1.3	.45	.23	.16	.16	.22	
29	.10	.39	.15	.14	---	.33	1.6	.45	.21	.20	.16	.22	
30	.10	.21	.14	.13	---	11	.91	.40	.20	.15	.18	.23	
31	.10	---	.13	.13	---	2.3	---	.38	---	.15	.18	---	
TOTAL	16.36	20.04	5.43	3.64	209.61	61.43	92.19	206.77	15.77	15.99	5.27	34.38	
MEAN	.53	.67	.18	.12	7.49	1.98	3.07	6.67	.53	.52	.17	1.15	
MAX	13	12	.35	.16	35	11	19	128	2.7	5.0	.33	21	
MIN	.08	.09	.13	.09	.14	.33	.77	.38	.20	.15	.15	.14	
CFSM	.27	.34	.09	.06	3.76	.99	1.54	3.35	.27	.26	.09	.58	
IN.	.31	.37	.10	.07	3.92	1.15	1.72	3.87	.29	.30	.10	.64	
CAL YR 1980	TOTAL	737.46		MEAN	2.01	MAX	83	MIN	.00	CFSM	1.01	IN.	13.79
WTR YR 1981	TOTAL	686.88		MEAN	1.88	MAX	128	MIN	.08	CFSM	.94	IN.	12.84

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	.57	12	27	21	.90	3.8	2.6	1.4	.51	.24	.09
2	3.1	.60	35	3.9	3.4	1.1	1.5	2.2	5.7	.35	.24	.14
3	.34	.60	2.4	1.9	76	.92	45	1.9	.98	1.0	.26	.37
4	.31	.60	1.4	129	16	.72	13	1.7	.63	.56	.30	.05
5	.31	.64	1.1	5.9	4.3	1.8	3.0	1.4	.76	.34	1.6	.05
6	.90	5.7	.99	3.0	3.2	1.4	3.3	1.3	.87	.31	.36	.05
7	.71	1.1	.92	2.4	1.9	21	3.0	1.2	1.1	.22	.30	.06
8	.42	.74	2.8	1.4	1.3	6.0	4.0	1.1	.57	.18	.32	.07
9	.42	.67	1.6	1.1	1.9	2.7	3.6	.96	.44	.16	1.8	.08
10	.42	.65	1.0	.85	1.7	2.1	9.2	.78	.36	.15	.46	.08
11	.43	.62	.82	1.2	.98	2.8	6.6	.68	.36	.14	.56	.10
12	.43	.54	.76	1.2	.83	3.5	3.8	.69	.34	.14	.44	.12
13	.45	.52	.65	1.4	.84	3.3	3.0	.70	23	.13	.17	.12
14	.51	.52	.81	1.6	.69	2.8	2.4	.67	9.0	.12	.11	.13
15	.55	.75	46	1.2	1.4	2.1	1.7	.61	2.2	.11	.09	.13
16	.59	1.5	21	1.2	3.1	2.1	1.5	.60	2.4	.10	.08	.19
17	.69	.83	3.9	1.7	2.0	3.6	2.7	.56	15	.09	.08	.15
18	1.4	.71	2.5	2.6	1.2	2.6	18	.50	2.2	.10	.07	.14
19	.70	.60	1.5	1.5	4.3	2.2	3.0	.47	1.5	.11	.07	.14
20	.53	1.6	1.1	.79	4.6	1.8	2.4	.77	.95	.11	.06	.27
21	.92	1.1	.92	.50	5.0	2.2	1.9	.74	.75	.10	.06	.17
22	.99	.76	1.0	.39	3.7	1.8	1.4	.41	.67	.10	.06	.35
23	2.6	.69	11	4.9	2.6	1.4	1.2	1.1	1.2	.10	.06	9.4
24	2.3	.64	3.6	5.4	2.3	1.2	1.0	.79	.78	.09	.06	.11
25	.79	.60	2.2	2.1	1.5	1.1	.90	3.3	.83	.08	.33	.09
26	3.5	.56	1.5	1.7	1.1	1.6	25	.54	.80	.07	.06	.09
27	17	.62	2.9	1.7	.89	1.0	26	.35	.68	.07	.05	3.1
28	8.9	.58	2.9	1.2	.92	.83	26	.45	.65	53	.05	.12
29	1.0	.52	2.2	.77	---	.83	4.3	19	6.4	1.0	.05	.11
30	.71	.52	1.3	.70	---	.80	3.0	1.6	1.6	.25	.05	.11
31	.60	---	1.1	1.2	---	5.1	---	3.0	---	.24	.05	---
TOTAL	53.16	26.65	168.87	211.40	168.65	83.30	225.20	52.67	84.12	60.03	8.49	16.18
MEAN	1.71	.89	5.45	6.82	6.02	2.69	7.51	1.70	2.80	1.94	.27	.54
MAX	17	5.7	46	129	76	21	45	19	23	53	1.8	9.4
MIN	.31	.52	.65	.39	.69	.72	.90	.35	.34	.07	.05	.05
CFSM	.86	.45	2.74	3.43	3.03	1.35	3.77	.85	1.41	.97	.14	.27
IN.	.99	.50	3.16	3.95	3.15	1.56	4.21	.98	1.57	1.12	.16	.30

CAL YR 1981	TOTAL	893.73	MEAN	2.45	MAX	128	MIN	.09	CFSM	1.23	IN.	16.71
WTR YR 1982	TOTAL	1158.72	MEAN	3.17	MAX	129	MIN	.05	CFSM	1.59	IN.	21.66

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.11	.14	4.1	.45	3.0	8.9	2.5	2.3	2.4	.34	.18	.07	
2	.11	.15	2.1	.40	7.6	14	2.2	2.2	1.9	.32	.25	.06	
3	.11	.18	1.2	.33	16	3.2	37	2.1	1.8	.24	.14	.06	
4	.12	.33	1.2	.22	3.1	2.4	4.7	2.8	6.7	.23	.25	.05	
5	.12	2.6	.84	6.3	1.7	2.0	3.1	2.0	2.4	.24	.16	.05	
6	.13	.68	1.5	6.2	1.4	1.9	2.7	1.9	2.2	.23	.16	.05	
7	.13	.47	.85	1.7	1.8	2.9	2.7	1.8	1.9	.20	.15	.05	
8	.14	.36	.62	1.3	1.4	14	24	1.9	1.6	.20	.15	.04	
9	.15	.34	.58	.96	1.3	9.7	10	2.0	1.4	.22	.14	.06	
10	.15	.28	.51	11	1.2	19	61	1.9	1.3	.19	.13	.06	
11	.15	.29	.63	19	2.1	5.1	7.8	1.9	1.2	.20	3.8	.06	
12	.16	.35	.58	2.4	7.8	6.7	4.3	2.0	1.1	.20	.38	.12	
13	.17	15	.40	1.5	2.7	3.0	3.4	2.0	.99	.17	.11	.09	
14	.18	.91	.37	1.2	1.8	2.4	3.1	2.0	.87	.17	.10	.07	
15	.17	.49	.52	1.5	1.6	2.2	3.1	1.9	.77	.17	.10	.07	
16	.17	.30	7.0	1.6	1.5	2.0	85	5.6	.67	.19	.10	.07	
17	.16	.26	1.7	1.4	2.6	1.9	7.9	3.0	.67	.15	.10	.08	
18	.17	.19	1.0	1.1	5.3	33	4.6	1.9	.66	.16	.13	.08	
19	.17	.18	.90	1.0	4.8	21	8.9	1.8	.92	.21	.12	.08	
20	.18	.14	1.1	1.0	3.8	4.4	11	2.5	1.3	.27	.10	.09	
21	.18	.14	1.1	1.0	4.8	49	5.1	5.5	1.2	.24	.09	2.3	
22	.18	.14	.82	.92	11	6.1	3.8	20	.72	.18	.08	.73	
23	.18	.14	.80	15	12	3.3	3.2	12	.57	.16	.08	.11	
24	.18	.16	1.2	12	6.5	2.8	12	5.5	.53	.51	.08	.10	
25	1.4	.14	.92	5.8	4.4	2.5	20	2.0	.37	.28	.08	.09	
26	3.9	.16	.93	3.7	2.7	2.3	4.5	43	.31	.22	.08	.09	
27	.43	.15	.69	2.2	2.1	32	3.4	18	.28	.16	.09	.08	
28	.15	.30	.73	1.8	2.3	15	3.0	3.4	4.3	.14	.10	.08	
29	.14	11	.71	1.6	---	4.2	2.6	8.4	1.3	.13	.22	.06	
30	.14	1.2	.48	2.2	---	3.1	2.4	8.1	.47	.16	.09	.09	
31	.14	---	.45	4.4	---	2.8	---	3.4	---	.24	.07	---	
TOTAL	9.97	37.17	36.53	111.18	118.3	282.8	349.0	174.8	42.80	6.72	7.81	5.09	
MEAN	.32	1.24	1.18	3.59	4.22	9.12	11.6	5.64	1.43	.22	.25	.17	
MAX	3.9	15	7.0	19	16	49	85	43	6.7	.51	3.8	2.3	
MIN	.11	.14	.37	.22	1.2	1.9	2.2	1.8	.28	.13	.07	.04	
CFSM	.16	.62	.59	1.80	2.12	4.58	5.83	2.83	.72	.11	.13	.09	
IN.	.19	.69	.68	2.08	2.21	5.29	6.52	3.27	.80	.13	.15	.10	
CAL YR 1982	TOTAL	993.71		MEAN	2.72	MAX	129	MIN	.05	CFSM	1.37	IN.	18.58
WTR YR 1983	TOTAL	1182.17		MEAN	3.24	MAX	85	MIN	.04	CFSM	1.63	IN.	22.10

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.09	1.4	1.2	1.1	2.1	24	1.4	5.6	1.6	.73	.12
2	.79	.09	.94	1.3	.94	1.6	13	1.3	4.0	.67	.73	.11
3	.06	.09	1.4	1.3	2.2	1.4	6.3	3.1	3.5	.48	.70	.24
4	.05	.10	40	1.3	19	1.3	21	21	2.8	.36	.78	.57
5	.61	.09	4.3	1.3	5.3	4.9	120	3.9	2.3	.46	1.3	.12
6	.13	.09	15	1.3	4.2	11	9.7	2.4	2.1	1.5	.69	.12
7	.05	.09	7.6	1.3	2.2	3.6	5.5	2.0	1.8	122	.57	.12
8	.05	.09	2.2	.89	1.4	2.1	4.3	14	1.6	2.7	.41	.11
9	.05	.09	1.5	.57	1.2	2.5	3.7	7.7	1.4	1.3	.34	.11
10	.05	3.6	1.3	1.7	1.5	1.9	3.3	2.9	1.3	.92	.34	.24
11	.05	2.6	.87	2.1	5.8	1.8	2.9	2.2	1.2	1.0	.34	.14
12	.29	.57	31	1.3	9.0	1.5	2.7	5.6	1.0	.83	.42	.11
13	.09	.15	115	1.4	4.5	5.2	2.5	3.5	1.0	.61	.36	.11
14	.68	.11	19	1.4	6.7	34	2.7	3.4	1.2	.51	.34	.11
15	.06	7.9	4.2	1.1	65	12	8.7	2.2	.84	.48	.33	.11
16	.06	15	2.4	1.1	8.1	8.3	24	1.9	.76	.87	.31	.11
17	.06	1.0	1.8	.87	3.8	4.9	5.7	1.6	.92	.63	.31	.11
18	.06	.25	1.5	.84	3.1	3.3	3.8	1.5	1.3	1.9	.28	.11
19	1.7	.13	1.4	.93	2.4	2.7	3.0	1.9	13	.73	.26	.11
20	.09	.11	.96	.76	2.2	2.3	2.7	16	.84	.65	.25	.10
21	.06	13	.76	.70	1.8	6.1	2.3	13	.72	33	.21	.11
22	.06	1.2	47	.70	1.5	3.8	2.1	2.8	.66	2.3	.21	.11
23	6.0	.48	5.0	.70	1.8	2.6	4.2	5.1	.64	1.2	.54	.12
24	17	1.7	2.6	3.4	15	2.0	3.9	2.9	7.1	.89	.16	.13
25	.32	24	1.8	8.5	4.1	2.0	2.5	1.8	7.2	.74	.15	.13
26	.09	3.3	1.4	4.3	2.5	1.9	2.1	4.7	.84	.66	.14	.14
27	.08	1.6	1.3	4.2	1.9	1.6	1.9	2.6	.74	15	.13	.18
28	.09	8.3	32	2.6	14	10	1.7	9.9	.66	1.7	.13	.52
29	.09	14	6.9	1.6	4.2	17	1.7	72	.60	1.1	.13	.30
30	.09	2.2	2.2	1.4	---	16	1.6	100	.67	.88	.13	.27
31	.09	---	1.4	1.3	---	27	---	22	---	.80	.14	---
TOTAL	29.01	102.02	356.13	53.36	196.44	198.4	293.5	336.3	68.29	198.47	11.86	4.99
MEAN	.94	3.40	11.5	1.72	6.77	6.40	9.78	10.8	2.28	6.40	.38	.17
MAX	17	24	115	8.5	65	34	120	100	13	122	1.3	.57
MIN	.05	.09	.76	.57	.94	1.3	1.6	1.3	.60	.36	.13	.10
CFSM	.47	1.71	5.78	.86	3.40	3.22	4.91	5.43	1.15	3.22	.19	.09
IN.	.54	1.91	6.66	.00	3.67	3.71	5.49	6.29	1.28	3.71	.22	.09

CAL YR 1983	TOTAL	1585.66	MEAN	4.34	MAX	115	MIN	.04	CFSM	2.18	IN.	29.64
WTR YR 1984	TOTAL	1848.77	MEAN	5.05	MAX	122	MIN	.05	CFSM	2.54	IN.	34.56

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK AT MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.9	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
3	.0	1.0	.0	.0	.0	.0	.0	.0	.4	.1	.2	.0
4	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
5	.2	.0	.0	.0	.0	.1	.0	.0	.0	.7	.0	.0
6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.3	.0	.5	.2	.0	.2	.0
9	.4	.0	.0	.0	.0	.0	1.9	.1	.4	.0	.0	.0
10	.1	.3	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
11	.0	.6	.0	1.3	.0	.1	.0	.1	.0	.1	.0	.0
12	.2	.0	.0	.1	.0	.0	.0	.5	.0	.0	.0	.0
13	.0	.0	.6	.0	.0	.0	.0	.4	.0	.0	.0	.0
14	.0	.0	.0	.1	.0	.3	.4	.1	.0	.0	.0	.0
15	.0	.0	.2	.0	.0	.4	.2	.0	.0	.0	.1	.0
16	.0	.0	.2	.0	.6	.0	.0	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	1.7
18	.0	.0	.0	.6	.0	.2	.0	.2	.0	.0	.0	.8
19	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.0
20	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	2.1	.0	.5	.0	.0	.0	.0
22	.0	.0	.2	.1	.4	.1	.0	.0	.0	.3	.0	.0
23	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0
25	.0	.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.2
26	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
27	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
28	.3	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.6
29	.0	.0	.0	.0	.0	.8	.2	.0	1.4	.7	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.3	.0	.0	.0
31	.0	---	.0	.0	---	1.3	---	.1	---	.0	.1	---
TOTAL	2.3	2.9	2.5	2.3	1.2	7.1	5.8	2.8	2.7	2.2	.8	4.5

WTR YR 1980 TOTAL 37.1

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.7	.2	.7	.0	.0	2.5
2	.6	.0	.0	.1	1.2	.0	.0	.5	.3	.0	.0	.0
3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0
5	.0	.0	.0	.0	.0	.0	.8	.0	.0	.1	.1	.0
6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.7	1.2
9	.0	.2	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0
11	.1	.0	.0	.0	1.0	.3	.0	3.1	.0	.0	.2	.0
12	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0
13	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0
14	.0	.0	.0	.0	.0	.0	.8	.0	.5	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	1.0	.3	.0	.4	.5
16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.6	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.2	.0	.0	.0	.2	.9	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.0	.0	.0
22	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.8	.0	.6	.0	.0	.0	.0	.0
24	.0	1.3	.0	.0	.0	.0	.1	.0	.0	.0	.4	.0
25	2.4	.0	.0	.0	.0	.1	.0	.0	1.0	.0	.2	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
28	.0	.4	.1	.0	.2	.0	.2	.0	.0	.0	.0	.0
29	.0	.0	.1	.0	---	.0	.0	.0	.0	.2	.0	.0
30	.0	.0	.0	.0	---	.8	.2	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	4.2	2.8	.5	.4	5.3	1.5	3.8	5.0	3.6	4.1	2.1	5.1

CAL YR 1980 TOTAL 36.9
WTR YR 1981 TOTAL 38.4

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.4	.0	1.1	.6	.1	.0	.0	.0	.2	.0	.0	.1
2	.2	.0	.5	.0	.5	.0	.0	.0	.2	.0	.0	.4
3	.0	.0	.0	.1	1.3	.0	1.7	.0	.0	.8	.0	.1
4	.0	.0	.0	2.5	.0	.3	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.7	.0
6	.4	.6	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.0	.0	.1	.0	.0	.0
8	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.3	.0
10	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0
13	.0	.0	.0	.5	.0	.0	.0	.0	1.9	.0	.0	.0
14	.0	.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.3	.1	.0	.1	.0	.0	.3	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.4	.0	.2	.0	.0	.0
18	.8	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.2	.0	.0	.1	.0	.0	.8	.0	.0	.0	.4
21	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
23	.6	.0	.1	1.0	.0	.0	.0	.2	.2	.0	.0	1.1
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.1	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.7	.0
26	.4	.0	.0	.0	.0	.1	1.2	.0	.0	.0	.0	.0
27	1.1	.0	.1	.0	.0	.0	.6	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.3	.4	.0	2.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.8	1.7	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.0
31	.0	---	.1	.1	---	.5	---	.0	---	.0	.0	---
TOTAL	4.0	1.3	4.5	5.1	2.9	2.2	4.9	3.5	5.0	3.0	2.0	3.3

CAL YR 1981 TOTAL 40.7
WTR YR 1982 TOTAL 41.7

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.5	.0	.0	.6	.0	.0	.0	.0	.2	.0
2	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.1	.1	.3	.0	1.2	.0	.1	.0	.0	.0
4	.0	.5	.0	.0	.0	.0	.0	.2	.5	.0	.0	.0
5	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
6	.3	.0	.2	.1	.0	.0	.0	.0	.3	.0	.0	.0
7	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.6	1.1	.1	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.1	.0	.6	1.5	.0	.0	.0	.0	.0
11	.0	.0	.1	.1	.0	.2	.0	.0	.0	.0	1.5	.0
12	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.7
13	.2	1.4	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0
15	.0	.0	.1	.0	.0	.0	.1	.7	.0	.0	.0	.0
16	.0	.0	.7	.0	.0	.0	2.8	.2	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.3	.3	.1	.3	.2	.0	.0
20	.0	.0	.2	.0	.0	.0	.6	.2	.2	.0	.0	.0
21	.0	.0	.0	.0	.0	1.2	.2	.5	.0	.1	.0	1.0
22	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.1
23	.0	.0	.1	1.0	.1	.0	.0	.2	.0	.0	.0	.1
24	.0	.0	.1	.0	.0	.0	.6	.0	.0	.2	.0	.0
25	.8	.0	.0	.0	.1	.0	.4	.0	.0	.0	.0	.0
26	.5	.0	.0	.0	.0	.1	.0	1.7	.0	.0	.0	.0
27	.0	.0	.1	.0	.0	1.3	.0	.1	.0	.0	.0	.2
28	.0	.8	.0	.0	.0	.1	.0	.0	.8	.0	.0	.0
29	.0	.7	.0	.0	---	.0	.0	.5	.1	.0	.1	.0
30	.0	.0	.0	.2	---	.1	.0	.2	.0	.1	.0	.3
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.8	3.7	2.2	3.5	2.1	7.3	9.0	5.8	2.3	.6	1.8	2.4

CAL YR 1982 TOTAL 39.6
WTR YR 1983 TOTAL 42.5

RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0
2	.6	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.0
3	.0	.1	.2	.0	.5	.0	.1	.7	.0	.0	.0	.3
4	.0	.0	1.1	.0	.1	.0	1.0	.6	.0	.0	.0	.3
5	.4	.0	.0	.0	.2	.8	1.9	.2	.0	.3	.4	.0
6	.0	.0	.7	.0	.0	.1	.0	.0	.0	.2	.1	.0
7	.0	.0	.0	.0	.1	.0	.0	.1	.0	3.4	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	1.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.3
11	.0	.2	.0	.1	.2	.0	.0	.1	.0	.1	.0	.0
12	.6	.0	1.1	.0	.0	.0	.0	.9	.0	.0	.6	.0
13	.2	.0	2.1	.0	.0	.7	.0	.8	.1	.0	.1	.0
14	.9	.0	.2	.0	.2	.4	.1	.7	.0	.0	.0	.0
15	.0	1.1	.0	.0	1.3	.0	.4	.0	.0	.0	.0	.0
16	.0	.2	.0	.0	.0	.0	.7	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.0	.0
19	.8	.0	.0	.0	.0	.0	.0	.6	1.1	.0	.0	.0
20	.0	.1	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0
21	.0	.9	.1	.0	.0	.3	.0	.0	.0	1.7	.0	.0
22	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.8	.0	.0	.0	.5	.0	.2	.3	.0	.0	.4	.0
24	.8	.4	.0	1.0	.1	.0	.0	.0	1.3	.0	.0	.0
25	.0	.8	.0	.2	.1	.0	.0	.0	.2	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.1
28	.0	.7	1.4	.0	.5	.8	.0	.9	.0	.0	.0	.4
29	.0	.1	.0	.0	.0	.8	.0	1.6	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.6	.0	1.8	.2	.0	.0	.0
31	.0	---	.0	.0	---	.0	---	.3	---	.0	.0	---
TOTAL	6.3	5.6	8.5	1.7	3.8	4.5	4.4	12.8	3.5	8.1	1.8	1.4
CAL YR 1983 TOTAL	55.2											
WTR YR 1984 TOTAL	62.4											

RARITAN RIVER BASIN

403718074361701 AUXILIARY RAIN GAGE - WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	1.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
5	.2	.0	.0	.0	.0	.1	.0	.7	.0	.5	.0	.0
6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0
8	.0	.0	.0	.0	.0	.3	.0	.5	.0	.0	.1	.0
9	.4	.0	.0	.0	.0	.0	1.9	.0	.4	.0	.0	.0
10	.1	.3	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0
11	.0	.7	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0
12	.2	.0	.0	.1	.0	.0	.0	.5	.0	.0	.1	.0
13	.0	.0	.2	.0	.0	.7	.0	.3	.0	.0	.0	.0
14	.0	.0	.0	.1	.0	.3	.5	.1	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0
16	.0	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	1.2
18	.0	.0	.0	.6	.0	.1	.0	.1	.0	.0	.0	.8
19	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.3	.0
20	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0
21	.0	.0	.0	.0	.0	2.1	.0	.5	.1	.0	.0	.0
22	.0	.0	.2	.1	.4	.2	.0	.0	.0	.2	.0	.0
23	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
24	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0
25	.0	.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.0
26	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
28	.3	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.7	.0	.0	1.3	.8	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.1	.0	.0	.0
31	.0	---	.0	.0	---	1.3	---	.1	---	.0	.0	---
TOTAL	1.4	3.0	1.9	2.3	1.0	7.1	5.6	3.1	2.6	1.9	.5	2.2

WTR YR 1980 TOTAL 32.6

RARITAN RIVER BASIN

403718074361701 AUXILIARY RAIN GAGE - WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.6	.2	.8	.0	.0	3.0
2	.6	.0	.0	.1	1.2	.0	.1	.6	.3	.0	.0	.0
3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0
5	.0	.0	.0	.0	.0	.0	.6	.0	.0	.2	.0	.0
6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.5	.8
9	.0	.3	.1	.0	.0	.0	.1	.0	.4	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
11	.1	.0	.0	.0	1.0	.3	.1	3.2	.0	.0	.2	.2
12	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0
13	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0
14	.0	.0	.0	.0	.0	.0	.8	1.0	.6	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.6	.5
16	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.7
17	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.2	.0	.0	.0	.3	.9	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.0	.8	.0	.0
22	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0
23	.0	.0	.1	.0	.8	.0	.6	.0	.0	.0	.3	.0
24	.0	1.2	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
25	2.4	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.3	.1	.0	.2	.0	.2	.0	.0	.2	.0	.0
29	.0	.0	.1	.0	---	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	---	1.0	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	4.2	2.8	.8	.4	5.3	1.7	3.4	5.1	4.0	4.1	1.9	5.2
CAL YR 1980 TOTAL	34.1											
WTR YR 1981 TOTAL	38.9											

RARITAN RIVER BASIN

403718074361701 AUXILIARY RAIN GAGE - WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES)

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.4	.0	1.3	.6	.1	.0	.0	.0	.2	.0	.0	.1
2	.2	.0	.5	.0	.5	.0	.0	.0	.2	.0	.0	.4
3	.0	.0	.0	.1	1.3	.0	1.7	.0	.0	.8	.0	.1
4	.0	.0	.0	2.5	.0	.3	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.7	.0
6	.4	.7	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.0	.0	.1	.0	.0	.0
8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.3	.0
10	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0
13	.0	.0	.0	.5	.0	.0	.0	.0	1.9	.0	.0	.0
14	.0	.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.2	.3	.1	.0	.1	.0	.0	.3	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.4	.0	.2	.0	.0	.0
18	.8	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.0	.1	.0	.0	.8	.0	.0	.0	.4
21	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
23	.6	.0	.1	1.0	.0	.0	.0	.2	.2	.0	.0	1.1
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.1	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.7	.0
26	.4	.0	.0	.0	.0	.1	1.2	.0	.0	.0	.0	.0
27	1.1	.0	.1	.0	.0	.0	.6	.0	.0	.0	.0	1.0
28	.0	.0	.0	.0	.0	.0	.3	.4	.0	2.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.8	1.7	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.0
31	.0	---	.1	.1	---	.5	---	.0	---	.0	.0	---
TOTAL	4.0	1.4	5.0	5.1	2.9	2.2	4.9	3.5	5.0	3.0	2.0	3.3

CAL YR 1981 TOTAL 41.5

WTR YR 1982 TOTAL 42.3

RARITAN RIVER BASIN

403718074361701 AUXILIARY RAIN GAGE - WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.5	.0	.0	.6	.0	.0	.0	.0	.2	.0
2	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.4	.0	1.2	.0	.2	.0	.0	.0
4	.0	.3	.1	.0	.0	.0	.0	.5	.4	.0	.0	.0
5	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.4	.2	.2	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.6	1.1	.1	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.1	.0	.6	1.5	.0	.0	.0	.0	.0
11	.0	.0	.1	.1	1.1	.1	.0	.0	.0	.0	1.5	.0
12	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.7
13	.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.7	.0	.0	.1	.1	.0	.0	.0	.0
16	.0	.0	.6	.2	.0	.0	2.8	.8	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0
19	.0	.0	.1	.0	.0	.3	.3	.1	.4	.2	.0	.0
20	.0	.0	.1	.0	.0	.0	.6	.2	.3	.0	.0	.0
21	.0	.0	.0	.0	.0	1.3	.2	.5	.1	.0	.0	1.0
22	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.1
23	.0	.0	.1	.8	.0	.0	.0	.2	.0	.0	.0	.0
24	.0	.0	.1	.0	.0	.0	.6	.0	.0	.4	.0	.0
25	.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
26	.6	.0	.0	.0	.0	.1	.0	1.7	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.3	.0	.1	.0	.0	.0	.0
28	.0	.4	.1	.0	.0	.1	.0	.0	1.3	.0	.0	.0
29	.0	.8	.0	.0	---	.0	.0	.5	.0	.0	.1	.0
30	.0	.0	.0	.1	---	.1	.0	.2	.0	.2	.0	.4
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.7	3.5	2.1	3.9	2.5	7.5	9.0	6.0	2.7	.8	1.8	2.2

CAL YR 1982 TOTAL 39.2
WTR YR 1983 TOTAL 43.7

RARITAN RIVER BASIN

403718074361701 AUXILIARY RAIN GAGE - WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0
2	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
3	.0	.1	.1	.0	.3	.0	.0	.7	.0	.0	.0	.4
4	.0	.0	1.1	.0	.1	.0	1.1	.6	.0	.0	.0	.3
5	.6	.0	.0	.0	.2	.6	1.9	.2	.0	.3	.4	.0
6	.0	.0	.7	.0	.0	.1	.1	.0	.0	.2	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.1	.0	3.4	.0	.0
8	.0	.0	.0	.0	.0	.1	.0	.8	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	1.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.3
11	.1	.2	.0	.2	.2	.0	.0	.1	.0	.1	.0	.0
12	.5	.0	1.3	.0	.0	.0	.0	.9	.0	.0	.1	.0
13	.2	.0	2.2	.0	.0	1.1	.0	.8	.1	.0	.1	.0
14	.3	.0	.1	.1	.2	.3	.0	.7	.0	.0	.0	.0
15	.0	1.0	.0	.0	1.4	.0	.5	.0	.0	.0	.0	.1
16	.0	.2	.0	.0	.0	.0	.7	.0	.0	.2	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0
18	.0	.0	.0	.3	.0	.0	.0	.0	.3	.6	.0	.0
19	.8	.0	.0	.1	.0	.0	.0	.6	1.1	.0	.0	.0
20	.0	.1	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0
21	.0	.7	.0	.0	.0	.3	.0	.0	.0	1.7	.0	.0
22	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	1.6	.0	.0	.0	.2	.0	.2	.3	.0	.0	.4	.0
24	.8	.4	.0	.5	.5	.0	.0	.0	1.3	.0	.0	.0
25	.0	.8	.0	.0	.1	.0	.0	.0	.2	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.1
28	.0	.7	1.2	.0	.4	.7	.0	.9	.0	.0	.0	.4
29	.0	.1	.0	.0	.0	1.8	.0	1.6	.0	.0	.0	.0
30	.0	.0	.0	.3	---	.0	.0	1.8	.2	.0	.0	.0
31	.0	---	.0	.0	---	.0	---	.3	---	.0	.0	---
TOTAL	5.9	5.3	8.2	2.2	3.6	5.2	4.5	12.8	3.6	8.1	1.0	1.6

CAL YR 1983 TOTAL 55.8

WTR YR 1984 TOTAL 62.0

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

LOCATION.--Lat 40°39'53", long 74°24'10", Somerset County, Hydrologic Unit 02030105, on right bank at Seeley Mills, 250 ft downstream from Blue Brook, 300 ft downstream from bridge on Diamond Hill Road, and 0.5 mi northwest of Scotch Plains.

DRAINAGE AREA.--6.23 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1959-64, 1969: annual maximum, water years 1969-79, June 1979 to 1984. Fragmentary records 1944-53 in the files of the Geological Survey. Crest-stage data 1927-38, 1958-68 in files of Union County Park Commission.

GAGE.--Water-stage recorder. Datum of gage is 184.44 ft National Geodetic Vertical Datum of 1929. From 1944 to 1953, water-stage recorder and masonry dam about 400 ft downstream above lower Seeley Mills dam at different datum. From July 1969 to May 1979, crest-stage gage about 450 ft downstream below lower Seeley Mills dam (washed out May 29, 1968) at different datum.

REMARKS.--Water-discharge records fair.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,240 ft³/s Aug. 2, 1973, gage height, 16.1 ft, from rating curve extended above 600 ft³/s on basis of slope-area measurement of peak flow, site and datum then in use; no flow part or all of some days in September 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 23, 1938 reached an elevation of 196.5 ft New Jersey Geological Survey datum, above lower Seeley Mills dam.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
1980 Water year				Mar. 21	1250	576	3.69
				Mar. 27	2255	553	3.63
Mar. 21	1600	*667	3.92	Apr. 03	0845	382	3.15
Apr. 09	1305	381	3.15	Apr. 10	1255	*630	3.83
Apr. 28	1300	576	3.69	Apr. 16	1105	465	3.39
June 30	0010	286	2.85	May 22	2355	333	3.01
				July 19	1600	461	3.38
1981 Water year				1984 Water year			
May 11	2215	*468	3.40	Dec. 04	1145	272	2.85
1982 Water year				Dec. 14	0110	583	3.71
				Dec. 22	1210	520	3.54
Jan. 04	Unknown	*798	4.32	Dec. 28	1820	369	3.11
Feb. 03	0220	279	2.87	Feb. 15	1045	419	3.26
Apr. 03	1840	353	3.06	Apr. 05	0435	782	4.21
July 28	1010	433	3.30	Apr. 16	1125	254	2.81
1983 Water year				May 29	1615	785	4.37
				June 25	0030	271	2.85
Jan. 11	0050	375	3.13	July 07	0825	*1100	5.11
Mar. 18	2200	583	3.71	July 11	1950	708	4.18
				Aug. 05	1730	307	2.99

Selected storm rainfall-runoff data, 1980-84 water years, Green Brook drainage basin

01403400 Green Brook at Seeley Mills NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)										Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow			
Water year 1980															
12/24/1979	24:40	0.8	0.1	0.1	0.2	0.3	0.5	0.5	0.6	0.7	94	10.3	0.18	0.22	
3/10/1980	9:40	1.1	.1	.1	.1	.1	.1	.3	1.1	--	227	3.0	.36	.33	
3/21/1980	32:50	2.7	.1	.2	.3	.5	1.1	1.7	2.1	2.3	653	13.8	1.64	.61	
3/24/1980	6:30	.9	.1	.1	.2	.3	.6	.8	.9	--	194	25.6	.36	.40	
3/31/1980	28:35	1.5	.1	.1	.2	.3	.5	.8	.9	1.4	196	23.2	.68	.45	
4/03/1980	11:40	.8	.1	.2	.2	.4	.5	.7	.8	--	80	21.7	.21	.27	
4/09/1980	17:40	2.2	.1	.2	.3	.4	.9	1.4	1.9	2.2	368	13.8	1.39	.63	
4/27/1980	39:25	2.6	.1	.2	.4	.5	1.2	1.8	2.0	2.4	570	5.5	1.08	.42	
5/11/1980	38:05	1.1	.2	.3	.4	.4	.5	.7	.8	1.0	65	5.2	.17	.16	
6/29/1980	5:55	1.9	.4	1.1	1.4	1.7	1.8	1.9	--	--	285	1.4	.12	.06	
9/17/1980	6:25	2.4	.3	.7	.8	1.0	2.0	2.3	2.4	--	205	1.2	.12	.05	
Water year 1981															
10/25/1980	14:00	2.4	0.1	0.2	0.4	0.6	1.4	2.0	2.2	2.4	149	0.63	0.22	0.09	
11/24/1980	9:45	1.5	.1	.3	.4	.5	.8	1.0	1.5	--	141	1.4	.18	.12	
5/11/1981	31:50	3.3	.2	.4	.5	.6	1.1	1.8	2.6	2.8	463	5.2	1.13	.34	
5/15/1981	3:45	.9	.1	.2	.3	.4	.8	.9	--	--	157	11.4	.23	.26	
7/04/1981	12:10	1.4	.1	.2	.3	.4	.6	.9	1.3	1.4	40	2.5	.08	.06	
9/08/1981	24:05	2.5	.2	.4	.6	1.0	1.3	1.6	2.1	2.4	237	.63	.18	.07	
Water year 1982															
4/03/1982	11:05	1.9	0.1	0.3	0.6	0.8	1.2	1.6	1.9	--	346	6.8	0.63	0.33	
4/26/1982	44:10	2.5	.1	.2	.3	.4	.9	1.4	1.7	1.8	206	6.3	.86	.34	
5/28/1982	7:45	1.3	.1	.3	.4	.6	1.0	1.1	1.3	--	191	3.6	.19	.15	
6/13/1982	17:55	2.1	.1	.2	.3	.4	.7	1.1	1.8	2.1	178	3.0	.50	.24	
6/16/1982	8:15	1.1	.2	.3	.3	.4	.6	.8	1.1	--	162	5.4	.31	.29	
6/29/1982	10:10	1.6	.2	.3	.5	.8	1.0	1.4	1.6	--	126	3.4	.18	.11	
7/26/1982	0:25	.8	.3	.6	.8	--	--	--	--	--	66	2.1	.03	.04	
7/28/1982	16:45	2.3	.3	.8	1.0	1.0	1.1	1.9	2.0	2.3	431	1.4	.25	.11	
8/25/1982	2:10	.8	.2	.3	.4	.6	.8	--	--	--	48	1.4	.03	.04	
9/23/1982	4:00	.8	.2	.3	.5	.7	.7	.8	--	--	104	1.0	.05	.06	

Selected storm rainfall-runoff data, 1980-84 water years, Green Brook drainage basin--Continued

01403400 Green Brook at Seeley Mills NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1983														
10/25/1982	20:30	1.6	0.1	0.2	0.2	0.3	0.4	0.6	1.0	1.6	37	3.2	0.07	0.04
11/12/1982	9:15	1.3	.1	.2	.3	.4	.6	1.0	1.3	--	55	1.4	.11	.08
11/28/1982	17:00	1.3	.1	.1	.2	.2	.5	.8	1.1	1.3	49	1.4	.10	.08
3/10/1983	5:55	.8	.1	.1	.1	.2	.4	.8	--	--	155	20.4	.33	.42
3/11/1983	10:15	.7	.1	.1	.1	.2	.3	.5	.7	--	56	24.2	.17	.25
3/18/1983	18:40	2.6	.1	.2	.3	.4	1.0	1.5	2.4	2.6	574	9.0	1.23	.47
3/27/1983	16:05	1.8	.1	.2	.3	.5	1.2	1.6	1.7	1.8	540	13.8	.71	.40
4/03/1983	10:05	1.7	.1	.1	.2	.4	.9	1.4	1.7	1.7	368	13.8	.63	.37
4/08/1983	7:45	1.0	.1	.2	.2	.2	.4	.7	1.0	--	142	18.3	.28	.28
4/10/1983	10:55	1.9	.1	.2	.3	.5	1.1	1.6	1.9	--	604	25.8	1.07	.56
4/16/1983	24:00	2.8	.1	.2	.3	.5	1.1	1.8	2.4	2.8	450	15.0	1.36	.49
4/24/1983	23:50	1.2	.1	.1	.1	.2	.5	.6	.7	1.2	81	15.0	.33	.27
5/22/1983	6:35	.9	.1	.2	.3	.5	.7	.8	.9	--	327	5.8	.24	.27
5/26/1983	11:45	1.3	.1	.2	.3	.5	.8	1.1	1.3	--	221	7.3	.43	.33
5/29/1983	31:35	.9	.1	.1	.1	.2	.2	.3	.4	.7	35	13.2	.18	.20
6/03/1983	8:00	.8	.1	.2	.3	.4	.6	.7	.8	--	107	7.8	.10	.12
6/19/1983	3:20	1.9	.2	.4	.7	1.0	1.8	1.9	--	--	240	4.1	.13	.07
6/28/1983	9:25	1.1	.3	.5	.5	.6	.6	.6	1.1	--	64	8.4	.04	.04
7/19/1983	5:25	1.9	.2	.4	.6	.8	1.0	1.9	--	--	460	1.0	.16	.13
9/21/1983	12:00	1.0	.1	.1	.2	.3	.7	.8	1.0	--	70	3.0	.05	.05
Water year 1984														
11/15/1983	12:10													
11/15/1983	12:10	1.8	0.1	0.1	0.2	0.3	0.9	1.3	1.7	1.8	245	3.0	0.40	0.22
11/20/1983	4:10	0.9	.1	.2	.3	.5	.8	.9	--	--	182	4.1	.14	.16
12/04/1983	25:05	1.1	.1	.1	.2	.3	.7	1.0	1.0	1.1	265	6.8	.39	.35
12/12/1983	43:30	5.0	.1	.2	.4	.4	.9	1.3	1.7	3.1	574	9.0	3.89	.78
12/22/1983	10:35	2.1	.1	.1	.2	.4	1.0	1.6	2.1	2.1	511	9.5	.84	.40
12/28/1983	7:05	1.3	.1	.1	.2	.4	.8	1.2	1.3	--	358	11.0	.35	.27
4/04/1984	26:00	3.6	.1	.2	.2	.4	.9	1.4	2.6	3.5	756	25.8	2.72	.76
4/14/1984	44:50	1.8	.1	.2	.2	.4	.5	.6	1.0	1.0	243	11.4	.57	.32
5/28/1984	69:40	5.3	.2	.5	.7	.7	1.4	1.7	2.1	3.5	778	6.8	3.48	.66
7/06/1984	5:50	2.8	.4	.5	.7	1.2	2.3	2.8	--	--	1097	5.3	1.26	.45
7/10/1984	11:40	1.7	.5	.8	.9	.9	1.6	1.6	1.7	--	704	4.7	.42	.25
7/27/1984	11:00	1.5	.1	.2	.3	.5	1.2	1.4	1.5	--	240	3.3	.23	.15

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	42	5.0	6.5	6.9	2.8	1.9	69	20	2.9	1.9	1.2	1.8	
2	21	5.2	6.1	6.8	2.7	1.9	35	15	2.6	1.6	3.0	1.3	
3	17	20	5.6	6.3	2.6	1.8	24	11	3.5	1.8	1.8	1.2	
4	12	8.1	5.6	5.8	2.5	2.0	53	8.8	3.0	1.7	1.3	1.1	
5	11	6.1	5.3	6.2	2.5	2.6	27	7.4	2.4	4.1	1.3	1.3	
6	11	5.5	9.1	5.5	2.5	2.4	20	6.5	2.2	5.0	1.4	1.0	
7	7.7	5.5	18	5.5	2.5	2.3	17	7.4	3.5	1.6	1.5	.27	
8	6.1	5.3	9.3	5.3	2.4	5.2	15	21	3.2	1.6	1.7	.39	
9	9.7	5.2	8.2	4.9	2.5	5.2	160	8.4	3.4	1.9	2.1	.98	
10	29	12	7.9	4.7	2.5	13	81	5.9	3.7	2.0	2.2	.84	
11	22	13	7.4	23	2.4	48	27	5.5	2.5	1.9	2.2	.49	
12	18	24	7.1	34	2.9	9.0	21	16	2.0	1.7	2.6	.12	
13	14	11	18	11	2.4	5.1	18	19	1.9	1.4	1.2	.43	
14	10	10	13	8.9	2.2	9.7	26	9.8	1.8	1.5	1.3	.67	
15	7.6	7.6	9.4	8.5	2.2	7.5	29	6.5	1.8	1.5	1.6	1.9	
16	6.9	7.0	9.2	7.0	5.9	7.1	17	5.6	2.0	1.6	1.4	1.2	
17	6.4	6.6	12	7.0	3.2	30	14	5.2	1.6	2.0	1.5	3.1	
18	6.1	6.5	8.5	9.0	2.4	76	12	5.7	1.6	2.1	1.5	19	
19	5.9	6.0	8.0	19	2.3	21	11	5.3	1.5	1.3	1.6	1.7	
20	5.7	5.4	8.0	9.3	2.3	14	10	4.9	1.5	1.2	1.8	1.5	
21	5.5	5.2	7.6	7.7	2.4	200	9.1	8.5	1.4	1.2	1.6	1.4	
22	5.5	4.9	8.0	7.4	4.2	102	7.4	5.3	1.4	3.1	1.3	.73	
23	5.6	4.9	9.8	7.5	8.2	38	6.9	4.3	1.4	2.9	1.3	.93	
24	6.5	4.7	13	6.5	3.9	28	6.6	3.9	1.4	1.3	1.4	1.8	
25	6.3	4.7	34	5.1	3.3	84	6.3	3.5	1.4	1.1	1.3	1.7	
26	6.0	44	15	4.6	2.8	27	5.9	3.1	1.5	1.2	1.4	2.2	
27	5.8	17	10	3.9	2.5	20	6.6	2.9	1.4	1.1	1.3	1.6	
28	7.6	10	8.3	3.7	2.4	17	141	2.7	1.4	1.0	1.2	2.0	
29	6.2	8.5	7.7	3.6	2.1	44	50	2.6	2.6	3.8	1.3	2.3	
30	5.4	7.3	7.6	3.3	---	33	25	2.5	21	1.5	1.2	2.6	
31	5.1	---	7.4	3.1	---	91	---	2.7	---	1.1	1.3	---	
TOTAL	334.6	286.2	310.6	251.0	85.5	949.7	950.8	236.9	83.5	58.7	48.8	57.55	
MEAN	10.8	9.54	10.0	8.10	2.95	30.6	31.7	7.64	2.78	1.89	1.57	1.92	
MAX	42	44	34	34	8.2	200	160	21	21	5.0	3.0	19	
MIN	5.1	4.7	5.3	3.1	2.1	1.8	5.9	2.5	1.4	1.0	1.2	.12	
CFSM	1.73	1.53	1.61	1.30	.47	4.91	5.09	1.23	.45	.30	.25	.31	
IN.	2.00	1.71	1.85	1.50	.51	5.67	5.68	1.41	.50	.35	.29	.34	
WTR YR 1980	TOTAL	3653.85		MEAN	9.98	MAX	200	MIN	.12	CFSM	1.60	IN.	21.82

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.2	2.6	3.6	1.3	5.2	6.8	8.5	5.3	2.2	4.0	2.2	54	
2	2.8	1.0	3.4	1.3	29	5.3	13	14	7.8	4.4	1.7	1.2	
3	3.7	.83	3.3	1.1	12	4.8	6.6	7.1	4.0	1.7	1.6	.39	
4	3.2	2.3	2.9	1.0	5.2	4.6	5.7	6.2	4.6	11	1.5	.10	
5	1.3	2.2	3.0	1.0	3.5	5.0	9.1	6.1	2.8	7.2	1.6	.07	
6	1.2	1.4	2.9	1.1	3.0	5.2	13	6.0	2.9	3.2	1.0	.04	
7	1.2	1.3	3.0	1.3	3.0	5.7	7.0	5.7	2.4	2.2	.71	.45	
8	1.2	1.2	3.0	1.4	6.3	7.3	6.1	5.3	1.8	1.8	5.8	26	
9	1.3	2.0	3.2	1.3	4.3	9.9	6.2	5.2	4.0	2.1	1.8	6.0	
10	1.2	2.4	3.5	1.3	7.4	7.8	5.4	5.2	3.2	1.8	.90	.03	
11	1.6	1.3	3.0	1.1	27	7.8	5.3	93	2.2	1.4	1.1	.00	
12	1.3	1.3	2.7	1.0	13	7.1	6.9	68	1.6	1.8	2.7	.00	
13	1.2	1.3	2.7	.90	8.8	6.3	4.9	27	1.3	1.9	1.1	.00	
14	1.1	1.3	2.5	1.0	8.8	5.8	24	17	5.0	1.4	.71	.00	
15	1.2	1.2	2.1	1.0	8.8	6.1	12	27	10	1.4	.63	2.3	
16	1.4	1.1	2.9	1.0	4.0	5.3	7.9	32	2.8	1.4	5.7	9.8	
17	2.3	1.3	2.5	1.1	3.5	4.7	7.0	15	1.9	1.2	.55	1.1	
18	3.9	6.8	1.9	1.0	3.3	4.3	6.2	9.7	1.3	1.4	.33	1.6	
19	2.7	3.9	1.7	1.3	5.3	4.2	5.4	7.5	1.4	1.5	.46	.12	
20	2.7	2.9	1.4	1.4	106	4.0	5.1	6.6	1.9	4.7	.28	.04	
21	1.7	2.2	1.3	1.4	33	4.0	4.7	5.9	2.6	8.4	.27	.03	
22	1.2	1.5	1.3	1.3	20	3.7	4.6	5.4	3.5	3.2	.26	.07	
23	1.2	1.5	1.3	1.4	20	3.7	8.7	5.1	1.2	1.5	.27	.12	
24	1.2	23	1.4	3.0	41	3.7	11	4.8	.72	1.6	3.5	.03	
25	32	11	3.8	1.9	13	3.7	6.1	4.4	3.3	1.7	1.9	.08	
26	5.6	4.1	3.5	1.6	8.0	3.6	5.3	4.2	2.5	2.4	.26	.06	
27	2.3	3.4	1.5	3.2	6.4	3.6	5.1	3.7	.93	9.0	.22	.07	
28	2.5	15	1.3	4.6	7.2	3.4	5.3	3.4	.61	2.2	.18	.04	
29	1.5	6.6	3.2	4.3	---	3.5	6.9	3.5	.56	3.0	.20	.04	
30	1.4	4.2	4.3	3.5	---	11	5.4	3.0	1.1	1.8	.28	.05	
31	1.8	---	1.5	2.7	---	8.8	---	2.7	---	1.9	1.4	---	
TOTAL	90.1	112.13	79.6	51.80	416.0	170.7	228.4	415.0	82.12	94.2	41.11	103.83	
MEAN	2.91	3.74	2.57	1.67	14.9	5.51	7.61	13.4	2.74	3.04	1.33	3.46	
MAX	32	23	4.3	4.6	106	11	24	93	10	11	5.8	54	
MIN	1.1	.83	1.3	.90	3.0	3.4	4.6	2.7	.56	1.2	.18	.00	
CFSM	.47	.60	.41	.27	2.39	.88	1.22	2.15	.44	.49	.21	.56	
IN.	.54	.67	.48	.31	2.48	1.02	1.36	2.48	.49	.56	.25	.62	
CAL YR 1980	TOTAL	3004.28		MEAN	8.21	MAX	200	MIN	.12	CFSM	1.32	IN.	17.94
WTR YR 1981	TOTAL	1884.99		MEAN	5.16	MAX	106	MIN	.00	CFSM	.83	IN.	11.26

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.94	1.0	7.9	38	36	4.9	9.9	15	4.4	4.0	2.6	1.9	
2	5.6	.99	51	13	11	5.1	6.4	13	5.4	3.3	2.7	2.9	
3	.17	1.0	11	8.3	140	4.8	72	11	3.5	5.5	3.1	5.5	
4	.03	1.0	4.6	221	53	4.9	50	10	3.2	3.8	3.2	.86	
5	.03	1.0	3.5	60	24	7.7	19	8.8	4.3	3.1	4.1	.65	
6	1.8	8.4	2.2	17	17	6.0	18	7.4	5.2	2.7	3.2	.69	
7	1.8	3.3	1.6	13	13	32	14	6.7	10	2.7	3.1	.70	
8	.11	2.3	5.2	10	10	17	14	5.8	4.4	2.8	3.1	.75	
9	.05	1.6	4.0	11	11	10	14	5.8	3.4	2.7	6.9	.76	
10	.12	1.4	2.5	7.4	9.7	8.4	20	5.3	2.7	2.1	3.0	.83	
11	.12	1.4	1.9	10	7.7	9.5	25	4.7	1.9	1.7	2.9	.70	
12	.13	1.1	1.2	8.8	6.7	10	20	4.6	1.9	1.8	4.0	.73	
13	.22	1.0	1.0	8.8	6.9	9.8	16	4.5	49	1.5	2.3	.73	
14	.20	1.0	2.2	10	6.0	8.9	13	4.2	41	1.1	2.1	.87	
15	.20	1.8	34	10	6.3	7.8	10	3.9	12	1.0	2.0	.80	
16	.28	3.1	45	10	8.2	7.6	9.2	3.6	13	.96	1.9	.94	
17	.55	2.1	17	9.7	6.6	10	9.7	3.5	51	1.0	1.9	.77	
18	3.8	2.7	8.3	9.2	5.5	8.5	34	3.4	12	1.2	1.6	.50	
19	3.1	1.5	7.9	7.0	10	7.5	13	3.3	8.3	1.2	1.3	.50	
20	.47	4.8	6.6	4.6	9.8	7.0	10	3.2	6.2	1.5	1.6	3.3	
21	.37	3.4	7.4	3.7	10	7.9	9.0	3.1	4.8	1.7	1.3	1.6	
22	.21	2.6	6.3	3.2	9.1	7.0	7.4	3.0	4.3	.93	.93	2.5	
23	6.4	2.1	11	13	7.4	6.1	6.6	5.2	5.3	.92	1.6	11	
24	5.7	1.6	9.2	26	6.9	5.8	6.4	4.3	3.8	.96	1.2	1.2	
25	1.9	1.4	6.6	20	5.7	5.8	6.5	9.5	3.6	.81	7.7	.70	
26	7.5	1.5	6.3	15	5.2	6.6	53	3.8	3.5	6.5	1.1	.71	
27	9.5	1.8	7.4	9.2	5.1	5.3	51	3.2	3.5	1.6	.98	8.3	
28	11	1.6	7.9	4.3	5.0	4.9	58	3.4	3.4	42	.65	1.8	
29	3.2	1.3	6.3	4.1	---	4.7	24	35	27	5.6	.62	1.0	
30	1.6	1.5	4.9	4.0	---	4.7	18	7.6	9.4	3.3	.72	1.2	
31	1.3	---	4.6	6.5	---	10	---	6.0	---	3.0	1.0	---	
TOTAL	68.40	61.29	296.5	595.8	452.8	256.2	637.1	211.8	311.4	112.98	74.40	55.39	
MEAN	2.21	2.04	9.56	19.2	16.2	8.26	21.2	6.83	10.4	3.64	2.40	1.85	
MAX	11	8.4	51	221	140	32	72	35	51	42	7.7	11	
MIN	.03	.99	1.0	3.2	5.0	4.7	6.4	3.0	1.9	.81	.62	.50	
CFSM	.35	.33	1.53	3.08	2.60	1.33	3.40	1.10	1.67	.58	.39	.30	
IN.	.41	.37	1.77	3.56	2.70	1.53	3.80	1.26	1.86	.67	.44	.33	
CAL YR 1981	TOTAL	2029.35		MEAN	5.56	MAX	106	MIN	.00	CFSM	.89	IN.	12.12
WTR YR 1982	TOTAL	3134.06		MEAN	8.59	MAX	221	MIN	.03	CFSM	1.38	IN.	18.71

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.80	.81	7.2	1.0	9.0	15	16	11	13	2.9	2.7	1.4	
2	.71	.96	5.2	1.0	15	39	14	9.7	10	2.6	3.3	1.3	
3	.82	1.1	3.7	1.0	27	13	107	9.0	8.7	1.8	2.9	1.4	
4	.81	2.0	3.5	.96	11	9.5	31	12	29	1.4	2.9	1.6	
5	.73	7.7	3.1	4.8	6.7	7.9	19	7.9	11	1.6	2.6	1.6	
6	.78	2.1	3.4	11	5.6	7.2	16	6.5	9.3	1.5	2.5	1.7	
7	1.1	1.4	2.7	4.1	6.3	12	15	5.7	7.6	1.2	2.2	1.5	
8	1.0	1.3	2.1	3.3	5.3	31	44	5.4	5.9	1.3	2.1	1.6	
9	1.5	.99	1.8	3.0	4.7	27	44	5.2	4.8	1.8	1.7	2.2	
10	.86	1.2	1.6	10	4.4	67	183	4.7	4.3	1.7	2.2	2.9	
11	1.0	1.0	2.2	54	15	34	53	4.5	4.1	2.0	23	3.0	
12	1.0	1.2	1.8	7.8	38	50	29	4.3	3.8	2.1	13	5.2	
13	2.0	20	1.8	4.8	16	22	21	4.2	3.6	1.9	6.0	3.0	
14	2.0	3.3	1.5	4.0	4.9	16	17	4.1	3.4	1.3	2.9	1.2	
15	1.0	1.9	2.0	4.4	4.4	13	16	4.9	3.4	1.7	2.6	1.1	
16	1.4	1.1	14	4.5	4.7	11	208	9.4	3.3	1.6	2.3	1.4	
17	1.0	1.6	4.9	3.8	7.1	9.7	62	6.7	3.1	1.2	2.2	1.4	
18	1.2	.85	3.4	4.0	12	130	31	4.1	3.1	1.1	2.1	1.5	
19	1.2	.70	3.2	4.3	11	95	33	4.3	23	27	2.1	2.0	
20	2.0	.70	3.2	3.9	9.4	29	38	8.3	10	4.4	1.9	2.4	
21	2.5	.70	2.9	3.7	11	151	25	10	5.1	3.7	1.5	8.7	
22	1.5	.70	2.1	3.5	18	45	18	15	3.6	3.8	1.4	6.4	
23	1.7	.73	1.8	17	21	27	15	46	3.1	2.9	1.5	2.0	
24	2.1	.57	3.1	21	17	22	37	14	2.9	6.7	1.4	1.3	
25	6.4	.41	2.4	15	13	19	54	8.1	2.4	3.8	1.1	1.4	
26	11	.64	2.2	10	9.8	15	28	36	2.0	3.2	1.0	1.6	
27	1.7	.61	1.6	8.0	8.0	68	19	55	1.9	3.2	1.2	1.4	
28	.89	2.0	1.6	6.6	8.1	79	16	16	13	3.3	8.4	1.2	
29	1.0	20	1.7	5.6	---	29	13	20	5.2	3.3	4.5	1.6	
30	.76	4.1	1.4	5.8	---	21	12	30	3.1	4.2	1.4	6.0	
31	.72	---	1.1	10	---	18	---	19	---	4.1	1.6	---	
TOTAL	53.18	82.37	94.2	241.86	323.4	1132.3	1234	401.0	206.7	104.3	108.2	71.0	
MEAN	1.72	2.75	3.04	7.80	11.5	36.5	41.1	12.9	6.89	3.36	3.49	2.37	
MAX	11	20	14	54	38	151	208	55	29	27	23	8.7	
MIN	.71	.41	1.1	.96	4.4	7.2	12	4.1	1.9	1.1	1.0	1.1	
CFSM	.28	.44	.49	1.25	1.85	5.86	6.60	2.07	1.11	.54	.56	.38	
IN.	.32	.49	.56	1.44	1.93	6.76	7.37	2.39	1.23	.62	.65	.42	
CAL YR 1982	TOTAL	2937.62		MEAN	8.05	MAX	221	MIN	.41	CFSM	1.29	IN.	17.54
WTR YR 1983	TOTAL	4052.51		MEAN	11.1	MAX	208	MIN	.41	CFSM	1.78	IN.	24.20

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.0	9.1	11	6.4	12	56	6.6	43	8.2	4.0	1.7
2	7.2	1.9	7.2	11	9.1	10	52	6.1	26	5.1	4.7	1.7
3	3.1	2.1	8.2	10	11	9.5	40	11	20	4.5	4.7	12
4	2.0	2.3	73	10	49	8.4	102	66	14	4.2	3.5	7.7
5	3.7	2.0	24	9.6	23	18	407	18	11	6.8	34	2.4
6	2.8	1.9	32	9.3	16	28	78	11	13	11	7.3	1.9
7	1.4	1.7	28	8.4	11	17	41	9.2	9.6	223	4.7	1.8
8	1.5	1.6	14	6.9	7.5	10	28	19	8.0	21	3.7	1.7
9	1.5	1.5	10	6.0	6.3	12	22	19	6.9	7.7	3.2	1.7
10	1.7	14	9.0	8.0	6.1	9.5	18	11	6.1	5.7	3.1	1.7
11	1.8	11	7.6	9.3	11	9.1	15	8.8	5.7	69	2.9	1.7
12	11	4.5	121	6.8	17	7.6	12	12	5.3	26	5.2	1.7
13	4.5	3.3	375	7.6	12	15	11	10	7.8	7.8	3.3	1.7
14	11	2.5	198	6.8	14	58	12	11	6.7	5.5	2.9	1.7
15	2.9	25	43	5.5	143	33	33	7.9	5.1	4.6	2.6	1.9
16	1.9	55	26	5.0	43	29	84	7.0	4.6	8.5	3.2	1.7
17	1.5	8.8	19	5.3	22	23	31	6.6	5.4	4.6	2.9	1.6
18	1.1	5.8	15	5.5	17	17	21	6.4	6.7	12	2.3	1.6
19	12	4.7	13	5.0	14	14	17	7.3	7.4	5.5	2.3	1.6
20	2.9	4.3	10	4.7	13	13	14	18	4.6	3.8	2.2	1.6
21	1.6	33	8.9	4.1	11	18	12	28	4.0	41	2.1	1.5
22	1.4	8.2	150	4.4	9.8	16	10	9.6	3.8	12	2.0	1.4
23	23	6.1	41	5.5	10	13	16	9.4	3.7	5.9	5.9	1.5
24	57	8.5	22	20	32	11	17	8.0	20	4.8	2.7	1.5
25	4.5	44	29	18	14	10	12	6.5	39	4.0	2.1	1.4
26	2.9	16	12	12	11	9.8	9.4	8.3	6.4	3.6	2.0	1.5
27	2.8	9.9	9.8	13	9.6	8.8	8.4	6.8	4.7	47	2.0	1.4
28	2.4	21	69	11	36	16	7.6	12	4.3	10	2.0	3.4
29	1.9	38	39	9.0	21	32	7.2	201	4.1	5.5	2.0	1.6
30	1.8	13	17	8.3	---	32	7.1	273	5.3	4.8	1.9	1.5
31	1.5	---	13	8.6	---	46	---	123	---	4.3	1.9	---
TOTAL	179.0	353.6	1452.8	265.6	605.8	565.7	1200.7	957.5	312.2	587.4	129.3	67.8
MEAN	5.77	11.8	46.9	8.57	20.9	18.2	40.0	30.9	10.4	18.9	4.17	2.26
MAX	57	55	375	20	143	58	407	273	43	223	34	12
MIN	1.1	1.5	7.2	4.1	6.1	7.6	7.1	6.1	3.7	3.6	1.9	1.4
CFSM	.93	1.89	7.53	1.38	3.35	2.92	6.42	4.96	1.67	3.03	.67	.36
IN.	1.07	2.11	8.67	1.59	3.62	3.38	7.17	5.72	1.86	3.51	.77	.40

CAL YR 1983	TOTAL	5808.16	MEAN	15.9	MAX	375	MIN	.96	CFSM	2.55	IN.	34.68
WTR YR 1984	TOTAL	6677.4	MEAN	18.2	MAX	407	MIN	1.1	CFSM	2.92	IN.	39.87

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	.0	.0	.0	.0	.0	.3	.1	.2	.0	.0	.0
2	.0	.0	.3	.0	.0	.0	.0	.0	.1	.1	.3	.0
3	.2	.6	.1	.0	.0	.0	.1	.0	.3	.0	.0	.0
4	.4	.2	.0	.0	.0	.0	.7	.0	.0	.0	.1	.0
5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0
6	.0	.0	.1	.0	.0	.0	.3	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	.0	.1	.4	.2	.2	.0	.0
8	.0	.0	.1	.0	.0	.4	.1	.4	.3	.0	.0	.0
9	.9	.0	.2	.0	.0	.0	2.2	.0	.3	.0	.0	.0
10	.5	.5	.0	.0	.0	1.0	.0	.0	.0	.1	.0	.0
11	.0	.6	.0	.9	.0	.1	.0	.0	.0	.0	.2	.0
12	.2	.1	.0	.3	.0	.0	.0	.8	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.5	1.1	.0	.2	.0	.0	.0
15	.0	.0	.0	.0	.0	.6	.1	.1	.0	.0	.0	.0
16	.0	.0	.3	.0	.2	.0	.0	.2	.0	.1	.0	.0
17	.0	.0	.0	.0	.0	.2	.0	.2	.0	.1	.0	1.5
18	.0	.0	.0	.5	.0	.3	.0	.3	.0	.1	.0	.9
19	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.1	.2	.0	.1	.0	.0
21	.0	.0	.0	.0	.0	2.2	.7	.5	.0	.0	.0	.0
22	.0	.0	.2	.1	.3	.5	.1	.0	.0	.5	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
24	.0	.0	.2	.0	.1	.4	.0	.0	.0	.0	.0	.0
25	.4	.0	.6	.0	.0	.5	.0	.2	.0	.0	.0	.1
26	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0
28	.2	.9	.0	.0	.0	.0	2.3	.2	.0	.0	.0	.0
29	.0	.1	.0	.0	.0	.9	.1	.0	1.6	.5	.0	.0
30	.0	1.3	.0	.0	---	.0	.0	.0	.3	.0	.0	.0
31	.0	---	.0	.0	---	1.2	---	.1	---	.0	.1	---
TOTAL	4.5	5.5	2.1	2.0	.6	8.8	9.4	4.0	3.5	3.1	.7	2.6

WTR YR 1980 TOTAL 46.8

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.4	.0	.0	.5	.0	1.4
2	.7	.0	.2	.0	1.1	.0	.0	.5	.7	.3	.0	.0
3	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
4	.1	.3	.0	.0	.0	.0	.0	.0	.1	.9	.0	.0
5	.0	.0	.0	.0	.0	.0	.6	.0	.0	.3	.1	.0
6	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.1	.0	.5	.1	.0	.0	.0	.0	.6	2.0
9	.0	.2	.2	.0	.0	.0	.1	.0	.3	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
11	.1	.0	.0	.0	1.0	.2	.1	2.8	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.2	.5	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	1.0	.0	.4	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.9	.5	.0	.1	.5
16	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.3	.8
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.1	.0	.0	.0	.1	.7	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.5	.5	.0	.0
22	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
23	.0	.1	.0	.0	.8	.0	.7	.0	.0	.0	.0	.0
24	.0	1.5	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0
25	2.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
28	.1	.9	.2	.0	.3	.0	.3	.0	.0	.0	.0	.0
29	.0	.0	.1	.0	---	.0	.0	.0	.0	.1	.0	.0
30	.0	.0	.0	.0	---	.9	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	4.3	4.0	1.0	.0	5.7	1.8	3.5	4.7	3.2	3.9	1.4	4.9

CAL YR 1980 TOTAL 44.0

WTR YR 1981 TOTAL 38.4

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.6	.0	1.4	.8	.2	.0	.2	.0	.0	.0	.0	.2
2	.3	.0	.5	.0	.4	.0	.0	.0	.2	.0	.0	.5
3	.0	.0	.0	.0	1.5	.0	1.9	.0	.0	.4	.0	.1
4	.0	.0	.0	3.2	.0	.2	.0	.0	.0	.0	1.0	.0
5	.0	.0	.0	.0	.0	.2	.0	.0	.3	.1	.1	.0
6	.4	.6	.0	.0	.0	.0	.0	.0	.1	.0	.6	.0
7	.0	.1	.0	.0	.0	1.1	.0	.0	.3	.0	.0	.0
8	.1	.0	.2	.0	.0	.1	.6	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.3	.1	.0	.1	.0	.0	.9	.0
10	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0
12	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.2	.1
13	.0	.0	.0	.0	.0	.0	.0	.3	2.1	.0	.0	.0
14	.0	.0	.7	.0	1.5	.0	.0	.0	.1	.0	.0	.0
15	.0	.2	1.5	.0	1.0	.0	.3	.0	.1	.0	.0	.0
16	.0	.1	.3	.0	.8	.2	.0	.0	1.0	.0	.0	.2
17	.0	.2	.0	.0	.0	.1	.0	.1	.1	.0	.0	.1
18	.7	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0
19	.0	.0	.0	.2	.5	.0	.0	.0	.2	.0	.1	.5
20	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6
21	.0	.0	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0
22	.0	.0	.1	.0	.0	.0	.0	.0	.2	.0	.1	.3
23	1.0	.0	.3	.0	.0	.0	.0	.5	.1	.0	.0	.8
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	.0
25	.1	.0	.0	.0	.0	.0	.0	.5	.0	.0	.8	.0
26	1.2	.0	.0	1.1	.0	.1	1.8	.3	.0	.8	.0	.0
27	.0	.0	.2	.0	.6	.0	.5	.0	.1	.0	.0	1.7
28	.1	.0	.0	.0	.0	.1	.2	.3	.0	2.3	.0	.0
29	.0	.0	.0	.1	---	.0	.0	1.1	1.7	.1	.1	.0
30	.0	.0	.0	.3	---	.0	.0	.0	.0	.0	.0	.0
31	.0	---	.0	.6	---	.7	---	.1	---	.0	.0	---
TOTAL	4.5	1.7	5.3	6.4	6.9	3.2	5.5	3.6	6.7	3.7	4.9	5.2

CAL YR 1981 TOTAL 40.6
WTR YR 1982 TOTAL 57.6

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	.0	.4	.2	.0	.6	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.1	.0	.3	.0	1.7	.0	.1	.0	.0	.0
4	.0	.4	.1	.0	.0	.0	.0	.7	.7	.0	.0	.0
5	.0	.2	.2	.7	.1	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.1	.0	.0	.0	.0	.2	.0	.0	.0
7	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.1	.6	1.2	.0	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.3	.0	.8	1.9	.0	.0	.0	.0	.0
11	.0	.0	.1	.1	.6	.4	.0	.0	.0	.0	1.5	.0
12	.0	.2	.0	.0	.0	.3	.0	.0	.0	.0	.7	.5
13	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0
16	.0	.0	.8	.0	.0	.0	2.7	.7	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.1	2.4	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.2	.4	.2	1.9	1.2	.0	.0
20	.0	.0	.1	.0	.0	.0	.2	.3	.1	.0	.0	.0
21	.1	.0	.0	.0	.0	2.0	.0	.3	.1	.1	.0	.8
22	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.3
23	.0	.0	.1	1.6	.0	.0	.0	.2	.0	.0	.0	.0
24	.0	.0	.6	.3	.0	.0	.7	.0	.0	.5	.0	.0
25	.8	.0	.2	.0	.0	.1	.2	.0	.0	.0	.0	.0
26	.6	.0	1.0	.0	.2	.0	.0	1.1	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.7	.0	.2	.0	.0	.0	.0
28	.0	.5	.4	.0	.0	.1	.0	.0	1.1	.0	.6	.0
29	.0	.8	.0	.1	---	.0	.0	.5	.0	.0	.0	.0
30	.0	.0	.2	.2	---	.0	.0	.4	.0	.5	.0	.6
31	.0	---	.5	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.9	3.3	5.0	4.9	1.7	9.7	9.2	5.6	4.2	2.3	2.8	2.2

CAL YR 1982 TOTAL 56.3

WTR YR 1983 TOTAL 52.8

RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0
2	.7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.2	.1
3	.0	.1	.3	.0	.5	.0	.0	.9	.0	.1	.0	1.8
4	.0	.0	1.1	.0	.0	.0	1.6	.6	.0	.0	.1	.2
5	.2	.0	.0	.0	.3	.8	2.0	.0	.0	.6	1.2	.0
6	.0	.0	.7	.0	.0	.1	.0	.0	.4	.1	.0	.0
7	.0	.0	.0	.0	.1	.0	.0	.0	.0	3.2	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0
10	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.7	.0	.0
11	.0	.2	.0	.2	.2	.0	.0	.2	.0	1.2	.1	.0
12	1.1	.0	2.1	.0	.0	.0	.0	1.3	.0	.0	.9	.0
13	.2	.0	2.4	.0	.0	1.2	.0	.0	.4	.4	.0	.0
14	.5	.0	.5	.0	.1	.5	.3	.1	.0	.6	.0	.0
15	.0	1.6	.0	.0	1.8	.0	.5	.0	.0	.6	.0	.1
16	.0	.2	.0	.0	.0	.0	1.0	.0	.0	.3	.0	.0
17	.0	.0	.0	.0	.0	.0	.1	.3	.2	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.8	.7	.0	.0
19	.9	.0	.0	.0	.0	.0	.0	.4	.9	.0	.0	.0
20	.0	.2	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0
21	.0	.7	.0	.0	.0	.4	.0	.0	.0	.9	.0	.0
22	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.1	.5	.0
23	1.7	.0	.0	.0	.7	.0	.3	.2	.0	.0	.9	.0
24	1.0	.4	.0	.8	.3	.0	.0	.1	1.6	.0	.1	.0
25	.0	.8	.0	.7	.2	.0	.0	.0	.2	.1	.0	.0
26	.0	.0	.0	.0	.1	.0	.0	.2	.0	.3	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0
28	.0	.8	1.3	.0	.8	.6	.0	.9	.0	.0	.0	.4
29	.0	.0	.0	.0	.0	.9	.0	2.3	.0	.0	.0	.0
30	.0	.0	.0	.0	---	1.3	.0	1.7	.3	.1	.0	.0
31	.0	---	.0	.2	---	.0	---	.5	---	.0	.0	---
TOTAL	6.5	6.2	10.5	2.2	5.2	5.8	5.8	12.0	4.8	12.0	4.1	2.6
CAL YR 1983 TOTAL	65.8											
WTR YR 1984 TOTAL	77.7											

RARITAN RIVER BASIN

404059074223301 AUXILIARY RAIN GAGE - GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0
3	.2	.6	.0	.0	.0	.0	.0	.0	.3	.0	.1	.0
4	.2	.2	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.0	.4	.2	.0	.0	.0
8	.0	.0	.0	.0	.0	.4	.0	.5	.3	.0	.0	.0
9	.9	.0	.0	.0	.0	.0	2.5	.0	.4	.0	.0	.0
10	.5	.5	.1	.7	.0	1.0	.1	.0	.1	.0	.0	.0
11	.0	.6	.1	.9	.0	.1	.0	.0	.0	.0	.2	.0
12	.2	.1	.0	.3	.0	.0	.0	.9	.0	.0	.0	.0
13	.0	.0	.6	.0	.0	.0	.0	.2	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.5	.7	.1	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.6	.1	.0	.1	.0	.1	.0
16	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	1.5
18	.0	.0	.0	.5	.0	.3	.0	.1	.0	.0	.0	1.0
19	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	2.1	.0	.6	.0	.0	.0	.0
22	.0	.0	.2	.1	.3	.5	.0	.0	.0	.6	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
24	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0
25	.0	.0	.6	.0	.0	.5	.0	.0	.0	.0	.0	.1
26	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
28	.2	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.9	.2	.0	1.2	.7	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.3	.0	.0	.0
31	.0	---	.0	.0	---	1.4	---	.1	---	.0	.0	---
TOTAL	3.7	3.2	2.7	2.6	.3	8.9	6.8	2.9	3.0	1.9	1.2	2.7

WTR YR 1980 TOTAL 39.9

RARITAN RIVER BASIN

404059074223301 AUXILIARY RAIN GAGE - GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.3	.4	.0	.0	.7	.0	1.4
2	.9	.0	.1	.0	1.1	.0	.0	.5	.6	.2	.0	.0
3	.3	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0
4	.1	.3	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0
5	.0	.0	.0	.0	.0	.0	.6	.0	.0	.1	.0	.0
6	.0	.0	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.7	2.0
9	.0	.2	.1	.0	.0	.0	.1	.0	.3	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
11	.2	.0	.0	.0	1.0	.2	.1	2.5	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.2	.5	.0	.0	.2	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	1.0	.0	.5	.0	.0	.0
15	.0	.0	.1	.0	.0	.0	.0	.8	.5	.0	.2	.5
16	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.3	.8
17	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.7	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.3	.6	.0	.0
22	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0
23	.0	.0	.1	.0	.8	.0	.7	.0	.0	.0	.0	.0
24	.0	1.5	.1	.0	.1	.0	.2	.0	.0	.0	.0	.0
25	2.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0
28	.0	.9	.1	.0	.3	.0	.2	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.1	.0	.0
30	.0	.0	.0	.0	---	.9	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	4.5	3.8	.7	.6	5.6	2.1	3.5	4.3	3.0	4.4	1.6	4.9

CAL YR 1980 TOTAL 39.3
WTR YR 1981 TOTAL 39.0

RARITAN RIVER BASIN

404059074223301 AUXILIARY RAIN GAGE - GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.5	.0	1.8	.8	.2	.0	.0	.0	.0	.0	.0	.2
2	.3	.0	.4	.0	.4	.0	.0	.0	.2	.0	.0	.6
3	.0	.0	.0	.0	1.5	.0	1.9	.0	.0	.3	.0	.2
4	.0	.0	.0	3.2	.0	.3	.0	.0	.1	.0	.0	.0
5	.0	.0	.0	.0	.0	.1	.5	.0	.3	.0	.6	.0
6	.4	.6	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.0	.0	.4	.0	.0	.0
8	.1	.0	.2	.0	.0	.0	.6	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.2	.1	.0	.0	.0	.3	.6	.0
10	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0
12	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0
14	.0	.0	1.0	.0	.0	.1	.0	.0	.1	.0	.0	.0
15	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.1	.3	.0	.0	.2	.0	.0	.9	.0	.0	.1
17	.0	.2	.0	.0	.0	.1	.4	.0	.3	.0	.0	.0
18	.7	.0	.1	.1	.0	.0	.4	.0	.0	.0	.0	.0
19	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.0	.1	.0	.0	.0	.0	.2	.0	.6
21	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
22	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
23	1.0	.0	.3	1.2	.0	.0	.0	.6	.2	.0	.0	.9
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
25	.1	.0	.0	.0	.0	.1	.0	.5	.0	.0	.9	.0
26	1.2	.0	.0	.0	.0	.0	1.8	.0	.0	.3	.0	.0
27	.0	.0	.2	.0	.0	.0	.6	.0	.0	.0	.0	.9
28	.1	.0	.0	.0	.0	.0	.1	.3	.0	2.3	.0	.0
29	.0	.0	.0	.0	---	.0	.0	1.2	1.5	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.1
31	.0	---	.0	.2	---	.6	---	.1	---	.0	.0	---
TOTAL	4.4	1.3	4.8	5.7	2.8	2.9	6.3	2.9	6.5	3.4	2.5	3.8

CAL YR 1981 TOTAL 40.5
WTR YR 1982 TOTAL 47.3

RARITAN RIVER BASIN

404059074223301 AUXILIARY RAIN GAGE - GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.4	.2	.0	.6	.0	.0	.0	.0	.1	.0
2	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.3	.0	1.9	.0	.1	.0	.0	.0
4	.0	.1	.0	.0	.0	.0	.0	.3	.7	.0	.0	.0
5	.0	.4	.0	.7	.1	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.1	.6	1.2	.0	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.3	.0	.8	2.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	1.6	.0
12	.0	.1	.1	.0	.1	.3	.0	.0	.0	.0	.6	.6
13	.2	1.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.1	.2	.0	.0	.1	.0	.1	.0	.0
16	.0	.0	.8	.0	.0	.0	2.5	.7	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.1	2.5	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.2	.5	.1	1.3	1.2	.0	.0
20	.0	.0	.1	.0	.0	.0	.1	.4	.1	.0	.0	.0
21	.1	.0	.0	.0	.0	1.8	.0	.3	.1	.4	.0	1.1
22	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.2
23	.0	.0	.1	1.6	.0	.0	.0	.2	.0	.0	.0	.0
24	.0	.0	.6	.3	.0	.0	.8	.0	.0	.6	.0	.0
25	.8	.0	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0
26	.5	.0	1.0	.0	.2	.0	.0	1.1	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	1.8	.0	.2	.0	.0	.0	.0
28	.0	.5	.4	.0	.0	.1	.0	.0	1.1	.0	.4	.0
29	.0	.7	.0	.1	---	.0	.0	.5	.0	.0	.0	.0
30	.0	.0	.2	.2	---	.0	.0	.4	.0	.1	.0	.7
31	.0	---	.5	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.7	3.0	4.5	4.9	1.7	9.4	9.5	5.2	3.5	2.4	2.7	2.6

CAL YR 1982 TOTAL 46.0
WTR YR 1983 TOTAL 51.1

RARITAN RIVER BASIN

404059074223301 AUXILIARY RAIN GAGE - GREEN BROOK AT SEELEY MILLS, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	.0	.0									
2	.6	.0	.0									
3	.0	.1	.3									
4	.0	.0	1.1									
5	.3	.0	.0									
6	.0	.0	.7									
7	.0	.0	.0									
8	.0	.0	.0									
9	.0	.0	.0									
10	.0	1.3	.0									
11	.0	.3	.0									
12	1.3	.0	2.1									
13	.1	.0	2.4									
14	.4	.0	.5									
15	.0	1.7	.0									
16	.0	.2	.0									
17	.0	.0	.0									
18	.0	.0	.0									
19	.8	.1	.0									
20	.0	.1	.0									
21	.0	.7	.0									
22	.0	.0	2.1									
23	1.7	.0	.0									
24	1.1	.5	.0									
25	.0	.7	.0									
26	.0	.1	.0									
27	.0	.0	.0									
28	.0	.9	---									
29	.0	.0	---									
30	.0	.0	---									
31	.0	---	---									
TOTAL	6.4	6.7	---									

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

WATER-DISCHARGE RECORDS

LOCATION.--Lat 40°38'25", long 74°26'52", Somerset County, Hydrologic Unit 02030105, 700 ft upstream of dam on Best Lake in Watchung, 1,400 ft upstream of mouth, and 2.5 mi west of Plainfield railroad station.

DRAINAGE AREA.--1.57 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1980 to 1984.

GAGE.--Water-stage recorder above concrete dam. Datum of gage is 193.87 ft National Geodetic Vertical Datum of 1929 (levels by Somerset County).

REMARKS.--Water-discharge records fair. Records given herein represent flow over dam and leakage.

COOPERATION.--Gage-height record collected in cooperation with Somerset County.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 484 ft³/s July 7, 1984, gage height, 2.56 ft; no flow part or all of many days in 1980 and 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 3, 1973, reached a stage of 5.4 ft present datum, from floodmarks, discharge, 2,840 ft³/s by computation of flow over dam, embankment and road.

MAXIMUM DISCHARGE FOR 1980-84 WATER YEARS.--Peak discharges above base of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July to Sept. 1980				Mar. 18	2210	139	1.79
				Mar. 21	1145	154	1.83
No peaks above base discharge.				Apr. 10	1240	*172	1.88
				Apr. 16	1040	124	1.75
1981 Water year				July 19	1525	147	1.81
May 11	2210	*139	1.79	1984 Water year			
1982 Water year				Dec. 12	1500	139	1.79
				Dec. 13	0515	124	1.75
Jan. 04	1010	*244	2.06	Dec. 22	1210	150	1.82
Feb. 03	0240	102	1.68	Feb. 15	1105	106	1.70
Apr. 03	1830	132	1.77	Apr. 05	0405	176	1.89
July 28	1010	154	1.83	May 29	Unknown	161	1.85
1983 Water year				July 07	Unknown	*484	2.56
Jan. 11	1010	116	1.73				

Selected storm rainfall-runoff data, 1981-84 water years, East Branch Stony Brook drainage basin

01403535 East Branch Stony Brook at Best Lake at Watchung NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		
Water year 1981														
4/14/1981	8:25	0.9	0.1	0.1	0.2	0.3	0.6	0.8	0.9	--	20	1.6	0.13	0.15
5/11/1981	37:00	3.5	.2	.4	.5	.5	1.2	1.8	2.7	3.1	138	.99	1.05	.30
9/01/1981	1:40	1.2	.3	.6	.9	1.0	1.2	--	--	--	52	.24	.09	.07
Water year 1982														
12/14/1981	43:45	2.8	0.1	0.1	0.2	0.3	0.6	1.0	1.4	1.6	51	0.73	0.75	0.27
4/02/1982	23:50	1.9	.1	.1	.1	.2	.5	.8	1.2	1.9	131	1.4	.65	.34
4/17/1982	3:20	.8	.2	.2	.3	.4	.7	.8	--	--	40	2.3	.10	.13
6/13/1982	14:40	2.3	.1	.2	.3	.4	.7	1.2	2.0	2.3	56	.73	.45	.19
6/16/1982	8:15	1.3	.2	.4	.4	.5	.7	1.0	1.3	--	52	1.9	.24	.18
6/29/1982	21:55	2.0	.2	.4	.6	.9	1.1	1.6	1.8	2.0	48	.84	.17	.08
7/28/1982	23:45	3.1	.3	.7	1.1	1.3	1.8	1.9	2.1	3.1	153	.73	.36	.12
Water year 1983														
10/25/1982	19:40	1.7	0.2	0.2	0.2	0.3	0.5	0.7	1.1	1.7	9.3	0.67	0.08	0.04
11/12/1982	8:15	1.0	.2	.2	.2	.2	.6	.8	1.0	--	11	1.1	.09	.09
11/28/1982	28:05	1.2	.2	.2	.2	.2	.6	.8	1.0	1.2	15	.30	.14	.11
3/18/1983	39:55	2.5	.1	.1	.2	.4	.9	1.2	1.9	2.1	136	2.7	1.11	.44
3/21/1983	4:20	1.6	.1	.2	.3	.6	1.3	1.6	--	--	149	5.1	.76	.48
4/03/1983	7:35	1.4	.1	.1	.2	.3	.7	1.2	1.4	--	89	3.2	.49	.35
4/07/1983	36:40	1.6	.1	.2	.2	.3	.5	.8	1.1	1.4	59	3.7	.37	.23
4/10/1983	20:05	2.0	.1	.2	.3	.4	1.0	1.6	1.9	2.0	165	6.8	.88	.44
4/16/1983	13:40	2.8	.2	.2	.3	.5	1.2	1.8	2.6	2.8	119	5.1	1.13	.40
5/22/1983	102:00	1.0	.2	.2	.2	.4	.5	.6	.7	.8	90	1.8	.23	.23
5/26/1983	11:45	1.6	.1	.3	.4	.7	1.0	1.3	1.6	--	71	1.6	.43	.27
5/29/1983	34:25	.8	.1	.1	.1	.2	.2	.2	.4	.6	11	3.2	.15	.18
6/03/1983	5:25	.9	.1	.2	.3	.5	.7	.9	--	--	35	1.8	.12	.13
6/19/1983	12:55	1.4	.2	.5	.6	.8	1.2	1.3	1.3	1.4	56	.76	.12	.30
6/28/1983	22:25	1.3	.1	.3	.4	.5	.6	.7	1.2	1.3	27	.58	.11	.08
8/11/1983	17:50	1.7	.3	.7	1.1	1.2	1.4	1.4	1.5	1.7	57	.16	.10	.06

Selected storm rainfall-runoff data, 1981-84 water years, East Branch Stony Brook drainage basin--Continued

01403535 East Branch Stony Brook at Best Lake at Watchung NJ

Date	Duration of rain (hr:min)	Accumulative Rainfall (inches)									Discharge (ft ³ /sec)		Runoff (inches)	Ratio of runoff to rainfall
		Total rain	5 min	15 min	30 min	60 min	3 hrs	6 hrs	12 hrs	24 hrs	Peak above base flow	Base flow		

Water year 1984														

10/19/1983	9:15	0.8	0.1	0.1	0.1	0.2	0.5	0.6	0.8	--	6.5	0.27	0.04	0.05
10/23/1983	27:50	3.0	.1	.1	.2	.4	.7	1.2	2.1	2.9	40	.36	.48	.15
11/10/1983	21:55	1.3	.1	.1	.2	.4	.7	1.0	1.2	1.3	21	.98	.17	.13
11/15/1983	12:00	1.9	.1	.1	.2	.3	.9	1.4	1.9	--	88	.60	.55	.27
11/20/1983	16:35	1.0	.1	.2	.3	.5	.8	.9	.9	1.0	62	.98	.30	.28
11/28/1983	30:20	1.0	.1	.1	.2	.2	.4	.5	.8	.9	36	2.7	.28	.28
12/03/1983	6:15	1.2	.1	.1	.2	.3	.8	1.1	1.2	--	83	2.2	.45	.37
4/04/1984	27:50	3.8	.1	.2	.2	.4	.9	1.4	2.6	3.6	169	6.8	1.89	.50
4/15/1984	34:00	1.6	.1	.2	.2	.3	.4	.5	1.0	1.0	47	4.4	.49	.31
5/03/1984	20:05	1.6	.1	.2	.3	.3	.7	1.1	1.4	1.6	37	1.2	.35	.22
6/24/1984	10:25	2.0	.2	.4	.5	.6	1.1	1.9	2.0	--	63	.36	.18	.09

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								+4.15		.60	.27	.02
2										.35	.21	.01
3										.30	.19	.00
4										.27	.18	.00
5										1.9	.20	.00
6										1.6	.21	.00
7										.35	.12	.00
8										.30	.08	.00
9										.26	.06	.00
10										.23	.05	.00
11										.20	.06	.00
12										.17	.13	.00
13										.13	.08	.00
14										.11	.06	.00
15										.10	.08	.01
16										.13	.08	.03
17										.16	.05	1.0
18										.13	.05	5.0
19										.11	.07	.29
20										.10	.09	.18
21										.07	.07	.18
22						+29.1				.26	.06	.18
23										.69	.06	.15
24										.25	.08	.09
25						+10.0				.18	.06	.15
26										.15	.14	.26
27										.18	.11	.15
28										.12	.03	.13
29										1.1	.01	.13
30										.40	.00	.13
31										.24	.01	---
TOTAL										11.14	2.95	8.09
MEAN										.36	.09	.27
MAX										1.9	.27	5.0
MIN										.07	.00	.00
CFSM										.23	.06	.17
IN.										.26	.07	.19

+ Results of discharge measurements.

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.14	.41	1.7	.13	.25	2.4	2.7	1.5	.52	.71	.22	3.5	
2	.32	.36	1.4	.13	9.5	2.3	4.8	4.4	2.0	.89	.18	.65	
3	1.0	.41	1.4	.04	2.7	1.6	2.3	2.2	.97	.40	.21	.32	
4	.89	.90	.96	.00	1.9	1.5	1.9	1.7	1.1	3.5	.19	.30	
5	.32	.90	.86	.00	1.4	1.7	2.9	1.6	.65	2.6	.19	.30	
6	.24	.80	.83	.00	1.4	1.6	4.3	1.5	.56	.92	.18	.24	
7	.28	.84	.79	.00	1.1	1.5	2.4	1.3	.48	.55	.18	.24	
8	.26	.77	.79	.00	1.5	2.5	2.3	1.1	.40	.39	.95	6.5	
9	.18	1.1	.62	.00	1.2	3.3	1.9	.92	.91	.36	.37	2.2	
10	.17	1.8	.89	.00	.65	2.5	1.7	.98	.77	.34	.27	.43	
11	.21	.71	.64	.00	9.1	2.7	1.6	25	.54	.31	.23	.36	
12	.22	.27	.52	.00	5.4	2.4	2.2	17	.42	.30	.29	.32	
13	.17	.33	.52	.00	2.6	1.9	1.5	6.0	.37	.30	.30	.31	
14	.17	.38	.52	.00	2.4	1.6	8.1	4.0	1.1	.28	.30	.29	
15	.20	.32	.44	.00	1.8	1.6	4.8	8.1	3.3	.25	.30	.39	
16	.24	.32	.52	.00	1.6	1.6	3.3	9.7	.85	.24	.55	2.8	
17	.28	.25	.52	.00	1.6	1.4	2.7	4.3	.54	.19	.24	.68	
18	.56	2.4	.44	.00	1.8	1.2	2.4	3.4	.42	.23	.18	.70	
19	.53	1.1	.44	.00	3.4	1.2	1.9	2.7	.38	.24	.16	.47	
20	.36	.72	.30	.00	38	1.0	1.7	2.4	.42	.56	.16	.36	
21	.28	.57	.29	.00	9.1	.93	1.5	2.0	.81	1.4	.13	.30	
22	.33	.52	.15	.00	6.0	.98	1.5	1.7	1.0	.44	.13	.34	
23	.54	.48	.00	.00	7.3	1.1	3.1	1.5	.38	.31	.17	.33	
24	.84	8.3	.02	.00	12	1.3	4.7	1.3	.34	.24	.14	.26	
25	10	5.8	.04	.00	4.2	1.3	2.5	1.2	1.2	.24	.14	.24	
26	2.2	2.1	.00	.00	2.5	1.3	2.0	1.0	.89	.24	.17	.29	
27	.73	1.4	.00	.00	2.3	1.1	1.8	.89	.40	.88	.15	.30	
28	.56	6.4	.00	.02	2.7	.73	1.7	.75	.36	.28	.13	.25	
29	.47	3.8	.12	.29	---	.70	2.5	.73	.36	.35	.13	.19	
30	.39	2.2	.28	.60	---	2.3	1.7	.70	.31	.26	.48	.22	
31	.37	---	.16	.91	---	2.4	---	.60	---	.22	.31	---	
TOTAL	23.45	46.66	16.16	2.12	135.40	51.64	80.4	112.17	22.75	18.42	7.73	24.08	
MEAN	.76	1.56	.52	.07	4.84	1.67	2.68	3.62	.76	.59	.25	.80	
MAX	10	8.3	1.7	.91	38	3.3	8.1	25	3.3	3.5	.95	6.5	
MIN	.14	.25	.00	.00	.25	.70	1.5	.60	.31	.19	.13	.19	
CFSM	.48	.99	.33	.04	3.08	1.06	1.71	2.31	.48	.38	.16	.51	
IN.	.56	1.11	.38	.05	3.21	1.22	1.91	2.66	.54	.44	.18	.57	
WTR YR 1981	TOTAL	540.98		MEAN	1.48	MAX	38	MIN	.00	CFSM	.94	IN.	12.82

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.31	1.0	4.8	8.8	10	1.9	2.5	3.3	1.6	1.4	.57	.30	
2	1.7	.94	17	4.5	3.7	2.0	1.6	3.0	1.8	1.1	.49	.48	
3	.41	1.9	4.1	3.2	42	1.9	21	2.7	1.1	1.7	.41	1.3	
4	.33	3.1	2.8	66	11	1.9	9.5	2.5	.94	1.3	.39	.43	
5	.31	3.2	2.1	8.5	4.8	2.9	3.5	2.1	1.1	.94	.46	.31	
6	.43	6.3	1.4	5.3	3.9	2.5	3.4	2.0	1.4	.81	.50	.36	
7	.70	3.8	1.3	5.1	3.1	12	2.8	1.7	2.3	.78	.42	.33	
8	.33	3.0	2.1	4.0	2.7	6.0	3.1	1.6	1.4	.76	.38	.30	
9	.30	1.4	1.6	3.7	3.0	3.8	3.1	1.6	1.1	.69	1.3	.30	
10	.33	1.2	1.2	2.5	2.7	3.3	4.6	1.5	.87	.59	.57	.31	
11	.30	1.3	1.0	1.5	2.3	3.6	5.8	1.2	.80	.54	.43	.30	
12	.30	1.1	.92	1.4	1.9	3.7	4.4	1.1	.69	.57	.76	.30	
13	.34	.64	.84	1.3	1.9	2.7	3.5	1.1	15	.50	.43	.42	
14	.33	.60	1.1	1.4	1.6	2.1	2.9	.99	9.6	.51	.37	.52	
15	.46	.61	15	1.3	1.8	1.9	2.4	.90	3.1	.49	.36	.36	
16	.60	1.2	14	1.3	2.4	1.8	2.3	.87	3.9	.57	.33	.40	
17	.63	.91	4.4	1.2	2.0	2.5	2.5	.77	13	.36	.35	.23	
18	1.6	1.3	3.4	1.1	1.6	2.3	8.3	.75	3.4	.36	.28	.13	
19	1.4	.86	2.5	1.0	3.3	2.2	3.1	.74	2.6	.34	.24	.13	
20	.54	2.3	1.9	.99	3.3	1.8	2.7	.68	2.0	.38	.24	.41	
21	.47	1.7	1.6	.96	3.5	1.8	2.5	.62	1.5	.36	.22	.48	
22	.57	.93	1.6	1.1	3.2	1.5	2.1	.59	1.3	.29	.22	.44	
23	2.0	.83	4.5	2.7	2.7	1.4	2.0	1.4	1.5	.29	.22	2.4	
24	2.1	.73	3.8	3.0	2.5	1.3	1.8	1.1	1.1	.30	.24	.48	
25	.89	.69	2.9	2.3	2.0	1.2	1.6	2.6	.95	.32	1.6	.34	
26	3.2	.62	2.3	1.1	1.8	1.4	13	.99	.87	.61	.41	.30	
27	4.2	.64	3.0	.84	1.9	1.1	10	.78	.93	.70	.30	1.7	
28	3.5	.61	3.1	.52	2.0	.97	12	.75	.82	15	.28	.54	
29	1.2	.54	2.5	.44	---	.99	4.6	9.2	6.9	2.2	.24	.39	
30	.91	.52	2.0	.52	---	.99	3.7	2.2	2.4	.75	.24	.36	
31	.94	---	1.8	.84	---	2.5	---	2.2	---	.62	.24	---	
TOTAL	31.63	44.47	112.56	138.41	128.6	77.95	146.3	53.53	85.97	36.13	13.49	15.05	
MEAN	1.02	1.48	3.63	4.46	4.59	2.51	4.88	1.73	2.87	1.17	.44	.50	
MAX	4.2	6.3	17	66	42	12	21	9.2	15	15	1.6	2.4	
MIN	.30	.52	.84	.44	1.6	.97	1.6	.59	.69	.29	.22	.13	
CFSM	.65	.94	2.31	2.84	2.92	1.60	3.11	1.10	1.83	.75	.28	.32	
IN.	.75	1.05	2.67	3.28	3.05	1.85	3.47	1.27	2.04	.86	.32	.36	
CAL YR 1981	TOTAL	643.37		MEAN	1.76	MAX	38	MIN	.00	CFSM	1.12	IN.	15.24
WTR YR 1982	TOTAL	884.09		MEAN	2.42	MAX	66	MIN	.13	CFSM	1.54	IN.	20.95

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.33	.69	2.4	.58	3.3	5.1	3.5	3.7	3.1	.58	.28	.19	
2	.30	.65	1.9	.58	4.5	12	3.2	3.5	2.5	.55	.23	.16	
3	.33	.60	1.1	.55	8.0	4.9	24	2.8	2.1	.47	.20	.12	
4	.35	.60	1.0	.48	3.0	4.0	6.8	3.5	7.0	.42	.22	.10	
5	.45	.75	.78	1.3	1.7	3.2	4.8	2.4	3.1	.39	.20	.12	
6	.49	.48	.80	3.1	1.3	2.4	4.1	2.0	2.8	.34	.26	.11	
7	.39	.42	.65	1.3	1.5	3.7	3.9	1.8	2.3	.31	.23	.09	
8	.30	.41	.52	.97	1.0	9.9	15	1.7	1.8	.29	.20	.06	
9	.34	.42	.55	.81	.75	7.7	12	1.4	1.4	.29	.14	.05	
10	.53	.80	.71	4.0	.59	15	41	1.2	1.2	.30	.10	.04	
11	.22	1.0	.90	14	.59	7.5	11	1.2	1.1	.29	3.1	.04	
12	.28	1.2	.77	2.8	.72	12	7.0	1.1	1.0	.29	1.4	.27	
13	.34	4.8	.67	1.7	.49	5.5	5.6	1.0	.88	.27	.43	.47	
14	.46	.79	.59	1.2	.50	4.4	4.7	.90	.74	.28	.28	.21	
15	.33	.54	.62	1.7	.61	3.9	4.4	1.1	.68	.28	.24	.16	
16	.28	.47	7.0	1.7	.87	3.3	47	2.4	.64	.24	.20	.14	
17	.21	.42	3.5	1.4	1.9	3.2	13	1.9	.58	.25	.20	.12	
18	.29	.42	1.7	1.1	3.8	32	7.8	1.0	.58	.48	.20	.16	
19	.45	.39	.87	.69	3.6	20	9.2	.95	4.8	7.1	.20	.17	
20	.55	.42	.86	.58	3.1	8.4	10	2.1	2.2	.94	.18	.13	
21	.51	.52	.71	.50	3.7	34	7.5	2.1	1.3	.46	.12	.93	
22	.46	.61	.60	.42	6.3	9.8	5.9	4.6	.91	.38	.11	1.4	
23	.54	.67	.58	1.0	7.4	7.0	5.1	10	.67	.25	.11	.43	
24	.68	.57	.72	8.7	5.8	5.9	11	3.3	.59	.47	.11	.26	
25	2.1	.35	.67	5.2	4.3	4.4	12	2.1	.48	.36	.09	.21	
26	2.5	.35	.66	3.5	3.2	3.5	6.8	10	.47	.23	.08	.18	
27	.55	.32	.58	2.1	2.7	23	5.6	14	.47	.20	.06	.19	
28	.44	.36	.65	1.7	2.6	9.3	5.1	4.1	3.9	.20	.16	.17	
29	.42	5.9	.62	1.2	---	6.0	4.6	5.3	1.7	.18	.46	.16	
30	.39	1.2	.54	1.6	---	4.6	4.2	7.2	.70	.21	.18	.76	
31	.51	---	.51	4.2	---	4.1	---	4.4	---	.48	.18	---	
TOTAL	16.32	27.12	34.73	70.66	77.82	279.7	305.8	104.75	51.69	17.78	10.15	7.60	
MEAN	.53	.90	1.12	2.28	2.78	9.02	10.2	3.38	1.72	.57	.33	.25	
MAX	2.5	5.9	7.0	14	8.0	34	47	14	7.0	7.1	3.1	1.4	
MIN	.21	.32	.51	.42	.49	2.4	3.2	.90	.47	.18	.06	.04	
CFSM	.34	.57	.71	1.45	1.77	5.75	6.50	2.15	1.10	.36	.21	.16	
IN.	.39	.64	.82	1.67	1.84	6.63	7.25	2.48	1.22	.42	.24	.18	
CAL YR 1982	TOTAL	773.60		MEAN	2.12	MAX	66	MIN	.13	CFSM	1.35	IN.	18.33
WTR YR 1983	TOTAL	1004.12		MEAN	2.75	MAX	47	MIN	.04	CFSM	1.75	IN.	23.79

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

WATER-DISCHARGE RECORDS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.50	.40	2.7	2.8	1.9	3.6	15	1.4	9.6	1.7	.97	.31	
2	.55	.69	2.2	2.8	1.9	3.2	13	1.2	6.6	.74	.77	.27	
3	.45	.93	2.5	2.7	2.9	2.7	9.7	1.9	5.0	.52	.77	.94	
4	.28	1.3	21	2.7	14	2.4	20	14	4.3	.57	.65	1.5	
5	.25	1.2	5.9	2.7	6.9	5.1	79	4.8	3.7	.43	4.4	.55	
6	.25	1.2	10	2.4	5.1	7.9	14	3.4	3.4	2.9	1.9	.37	
7	.21	.47	7.6	2.2	3.6	4.3	9.3	3.0	3.0	74	1.3	.36	
8	.16	.47	4.0	1.9	2.8	3.3	7.0	5.5	2.5	3.9	.98	.33	
9	.24	.47	3.4	1.8	2.4	3.1	5.9	5.6	2.1	2.2	.98	.27	
10	.23	5.3	3.0	2.4	1.9	2.7	5.2	3.5	1.7	1.8	.98	.32	
11	.20	4.5	2.4	2.4	3.4	2.7	4.5	3.0	1.6	5.9	.80	.36	
12	2.0	1.3	29	1.9	5.4	2.3	4.3	4.1	1.1	2.9	1.4	.27	
13	1.4	.68	70	1.7	3.8	5.4	3.6	3.6	1.1	1.7	.95	.30	
14	.98	.60	28	1.5	4.3	18	4.1	3.6	1.0	1.5	.77	.35	
15	.16	8.8	8.7	1.5	31	9.5	9.6	2.7	.69	1.2	.75	.35	
16	.20	17	6.2	1.4	10	8.8	19	3.3	.57	1.5	.60	.32	
17	.27	2.8	5.0	1.3	6.8	6.8	7.3	2.2	.73	1.1	.67	.31	
18	.22	1.6	4.3	1.3	5.5	5.0	5.4	2.6	1.3	2.9	.47	.27	
19	2.3	1.1	3.4	1.3	4.9	4.3	4.6	3.0	1.6	1.5	.52	.27	
20	.38	.99	3.2	1.2	4.3	3.9	4.2	6.0	.64	1.0	.51	.27	
21	.20	11	2.9	1.2	3.7	5.3	3.5	9.3	.42	5.3	.47	.27	
22	.20	2.7	35	1.1	3.3	4.4	3.2	3.6	.35	1.9	.47	.27	
23	5.1	2.0	8.0	1.1	3.3	3.7	4.5	3.6	.27	1.3	1.6	.31	
24	15	2.9	5.1	5.9	8.4	3.2	4.5	3.3	3.3	1.1	.88	.36	
25	1.2	16	3.5	7.0	4.2	3.2	3.1	2.7	5.8	.77	.47	.37	
26	.57	4.8	3.1	5.0	3.2	2.8	2.6	2.9	.80	.60	.47	.46	
27	.30	3.3	2.7	4.8	3.1	2.7	2.4	2.8	.54	12	.38	.23	
28	.22	7.0	16	4.0	9.3	4.6	2.1	3.9	.46	3.0	.43	.41	
29	.14	10	7.3	3.6	5.4	9.7	1.8	51	.48	1.9	.37	.67	
30	.15	3.7	4.0	3.3	---	9.7	1.8	52	.73	1.5	.36	.42	
31	.20	---	3.2	2.8	---	14	---	25	---	1.1	.36	---	
TOTAL	34.51	115.20	313.3	79.7	166.7	168.3	274.2	238.5	65.38	140.43	27.40	12.06	
MEAN	1.11	3.84	10.1	2.57	5.75	5.43	9.14	7.69	2.18	4.53	.88	.40	
MAX	15	17	70	7.0	31	18	79	52	9.6	74	4.4	1.5	
MIN	.14	.40	2.2	1.1	1.9	2.3	1.8	1.2	.27	.43	.36	.23	
CFSM	.71	2.45	6.43	1.64	3.66	3.46	5.82	4.90	1.39	2.89	.56	.25	
IN.	.82	2.73	7.42	1.89	3.95	3.99	6.50	5.65	1.55	3.33	.65	.29	
CAL YR 1983	TOTAL	1388.96		MEAN	3.81	MAX	70	MIN	.04	CFSM	2.43	IN.	32.91
WTR YR 1984	TOTAL	1635.68		MEAN	4.47	MAX	79	MIN	.14	CFSM	2.85	IN.	38.76

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	.1	.0
2										---	.0	.0
3										.1	.0	.0
4										.0	.0	.0
5										.7	.1	.0
6										.0	.0	.0
7										.0	.0	.0
8										.0	.0	.0
9										.0	.0	.0
10										.0	.0	.0
11										.0	.2	.0
12										.0	.0	.0
13										.0	.0	.0
14										.0	.0	.0
15										.0	.1	.0
16										.0	.0	.0
17										.1	.0	.0
18										.0	.1	.0
19										.0	.0	.0
20										.0	.0	.0
21										.0	.0	.0
22										.6	.0	.0
23										.0	.0	.1
24										.0	.0	.0
25										.0	.0	.1
26										.0	.0	.2
27										.0	.0	.0
28										.0	.0	.0
29										.7	.0	.0
30										.0	.0	.0
31										.0	.1	---
TOTAL										---	.7	.4

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.5	.0	.0	.6	.0	1.6
2	.6	.0	.0	.0	1.2	.0	.1	.5	.6	.2	.0	.0
3	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
4	.0	.3	.0	.0	.0	.0	.0	.0	.1	1.3	.0	.0
5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.1	.0
6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.7	.9
9	.0	.2	.1	.0	.0	.0	.0	.0	.3	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
11	.0	.0	.0	.0	.8	.1	.0	1.6	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.2	.8	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.8	.0	.6	.0	.0	.0
15	.0	.0	.0	.1	.0	.0	.0	1.0	.6	.0	.1	.5
16	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.2	.4
17	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
19	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.7	.0	.0	.0	.1	.8	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.5	.6	.0	.0
22	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.1	.0	.6	.0	.4	.0	.0	.0	.0	.0
24	.0	1.3	.0	.0	.1	.0	.4	.0	.0	.0	.0	.0
25	2.3	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
28	.1	.5	.1	.0	.2	.0	.3	.0	.0	.0	.0	.0
29	.0	.0	.1	.0	---	.0	.0	.0	.0	.2	.0	.0
30	.0	.0	.0	.0	---	.6	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.8	3.1	.6	.3	5.5	1.0	3.2	4.1	3.7	4.2	1.4	3.5

WTR YR 1981 TOTAL 34.4

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	2.5	.4	.1	.0	.0	.0	.0	.0	.1	.3
2	.1	.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.6
3	.0	.0	.0	.0	1.3	.0	.9	.0	.0	.1	.0	.1
4	.0	.0	.0	1.2	.3	.0	.7	.0	.1	.0	.0	.0
5	.0	.0	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0
6	.4	.6	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.3	.1	.0	.3	.0	.2	.0
8	.0	.0	.4	.0	.0	.2	.0	.0	.1	.0	.0	.0
9	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.1	.2	.0	.0	.2	.0	.0	.0
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
12	.0	.0	.5	.0	.0	.1	.0	.0	.0	.0	.2	.0
13	.0	.0	.0	.0	.0	.1	.1	.0	1.4	.0	.0	.0
14	.0	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0
17	.0	.0	.0	.0	.0	.1	.4	.0	.3	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19	.0	.1	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
20	.0	.1	.0	.0	.5	.0	.0	.0	.0	.0	.0	.6
21	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
22	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
23	.4	.0	.2	1.0	.0	.0	.0	.0	.3	.0	.0	.9
24	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
25	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.8	.0
26	.6	.0	.0	.0	.0	.1	.4	.0	.0	.4	.0	.0
27	.5	.1	.2	.0	.0	.0	.1	.0	.0	.0	.0	.7
28	.0	.0	.0	.0	.0	.0	.0	1.0	.0	2.5	.0	.0
29	.0	.0	.0	.1	---	.0	.0	.0	.5	.0	.0	.2
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.0
31	.0	---	.1	.4	---	.6	---	.0	---	.0	.0	---
TOTAL	2.0	.9	7.8	3.3	3.1	2.8	3.5	1.2	3.5	3.0	1.3	3.7
CAL YR 1981 TOTAL	37.6											
WTR YR 1982 TOTAL	36.1											

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.2	.0	.0	.6	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.2	.0	1.4	.0	.1	.1	.1	.0
4	.0	.4	.8	.0	.0	.0	.0	.2	.8	.0	.0	.0
5	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0
6	.0	.0	.2	.5	.0	.0	.0	.0	.2	.0	.0	.0
7	.0	.0	.0	.0	.0	.2	.1	.2	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.6	1.3	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0
10	.0	.0	.0	.1	.0	.6	1.6	.0	.0	.0	.0	.0
11	.1	.0	.0	1.2	.0	.1	.0	.0	.0	.0	1.4	.0
12	.0	.1	.0	.3	.2	.2	.0	.0	.0	.0	.3	.6
13	.2	.8	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
14	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.1	.1	.0	.0	.1	.0	.0	.2	.1
16	.0	.0	.0	.1	.0	.0	.5	.7	.0	.0	.0	.0
17	.0	.0	.0	.2	.0	.1	.0	.0	.1	.0	.0	.2
18	.0	.0	.0	.0	.0	2.0	.0	.1	.0	.1	.0	.0
19	.0	.0	.1	.0	.0	.1	.0	.5	1.3	2.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0
21	.3	.0	.0	.0	.0	1.6	.0	.3	.1	.0	.1	1.2
22	.0	.0	.1	.1	.2	.1	.0	1.0	.0	.0	.0	.1
23	.0	.0	.0	1.5	.1	.0	.0	.1	.0	.0	.0	.0
24	.0	.0	.1	.1	.0	.0	.0	.0	.0	.4	.0	.0
25	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.1
26	.6	.0	.0	.1	.0	.0	.0	1.4	.1	.0	.0	.0
27	.0	.0	.0	.0	.0	1.9	.0	.2	.0	.0	.0	.0
28	.0	.2	.0	.0	.0	.0	.0	.0	1.2	.0	.4	.0
29	.0	1.0	.0	.0	---	.2	.0	.5	.1	.0	.0	.0
30	.0	.0	.0	.1	---	.0	.0	.3	.0	.4	.0	.6
31	.1	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.4	2.5	1.6	4.6	1.2	8.6	4.9	5.9	4.1	3.2	2.5	2.9

CAL YR 1982 TOTAL 30.9

WTR YR 1983 TOTAL 43.4

RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
2	.3	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0
3	.4	.2	.1	.0	.5	.0	.1	1.0	.0	.1	.0	.3
4	.0	.0	1.1	.0	.0	.0	1.3	1.3	.0	.0	.0	.2
5	.2	.0	.1	.0	.3	.8	2.1	.0	.0	.6	1.0	.0
6	.0	.0	.4	.0	.0	.1	.0	.0	.3	.1	.0	.0
7	.0	.0	.1	.0	.0	.0	.0	.2	.0	3.2	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0
10	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.7	.0	.0
11	.0	.3	.0	.0	.2	.0	.0	.0	.0	1.2	.0	.0
12	.8	.0	1.5	.0	.0	.0	.0	1.1	.2	.0	.0	.0
13	.1	.0	1.8	.0	.0	1.3	.0	.5	.0	.4	.0	.0
14	.9	.0	.7	.0	.1	.4	.2	.0	.0	.6	.0	.0
15	.1	1.0	.0	.0	1.3	.0	.5	.0	.0	.6	.0	.1
16	.0	.7	.0	.0	.0	.0	.8	.0	.0	.3	.0	.0
17	.0	.0	.0	.0	.0	.0	.1	.4	.4	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.0	.0
19	.8	.0	.0	.0	.0	.0	.0	1.1	.9	.0	.0	.0
20	.0	.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0
21	.0	1.0	.0	.0	.0	.3	.0	.0	.0	.9	.0	.0
22	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.1	.0	.0
23	.9	.0	.0	.0	.6	.0	.2	.6	.0	.0	.2	.0
24	1.2	.3	.0	.8	.1	.0	.0	.0	1.6	.0	.1	.0
25	.0	.9	.0	.7	.0	.0	.0	.0	.2	.1	.0	.0
26	.0	.0	.0	.0	.1	.0	.0	.7	.0	.3	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0
28	.0	.6	1.2	.0	.6	.6	.0	1.2	.0	.0	.0	.4
29	.0	.2	.0	.0	.0	.9	.0	2.2	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.9	.0	1.6	.3	.0	.0	.0
31	.0	---	.0	.2	---	.0	---	.9	---	.0	.0	---
TOTAL	5.7	6.3	8.9	2.0	3.9	5.3	5.3	15.0	4.4	11.9	1.4	1.0

CAL YR 1983 TOTAL 58.8
WTR YR 1984 TOTAL 71.1

RARITAN RIVER BASIN

403854074255401 AUXILIARY RAIN GAGE - EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	.3		---	.0	.1	.0
2						---	.0		---	.0	.0	.0
3						---	---		---	.0	.0	.0
4						---	---		---	.0	.0	.0
5						---	---		---	.7	.1	.0
6						.0	---		---	.0	.0	.0
7						.0	---		---	.0	.0	.0
8						.4	---		---	.0	.0	.0
9						.0	---		---	.0	.0	.0
10						1.0	---		.0	.0	.0	.0
11						.1	---		.0	.0	.2	.0
12						.0	---		.0	.0	.0	.0
13						.0	---		.0	.0	.0	.0
14						.9	---		.0	.0	.0	.0
15						.1	---		.0	.0	.1	.0
16						.0	---		.0	.0	.0	.0
17						.2	---		.0	.1	.0	1.3
18						.0	---		.0	.0	.1	1.2
19						.0	---		.0	.0	.0	.0
20						.0	---		.0	.0	.0	.0
21						2.4	---		.0	.0	.0	.0
22						.5	---		.0	.6	.0	.0
23						.0	---		.0	.0	.0	.0
24						.4	---		.0	.0	.0	.0
25						.5	---		.0	.0	.0	.1
26						.0	---		.0	.0	.0	.2
27						.0	---		.0	.0	.0	.0
28						.0	---		.0	.7	.0	.0
29						1.0	---		1.8	.0	.0	.0
30						.0	---		.0	.0	.0	.0
31						1.5	---		---	.0	.1	---
TOTAL						---	---		---	2.1	.7	2.8

RARITAN RIVER BASIN

403854074255401 AUXILIARY RAIN GAGE - EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.4	.0	.0	.5	.0	1.4
2	.7	.0	.0	.0	1.2	.0	.1	.5	.8	.2	.0	.0
3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
4	.1	.3	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0
5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.8	2.2
9	.0	.2	.1	.0	.0	.0	.0	.0	.4	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
11	.0	.0	.0	.0	.8	.0	.0	3.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	1.0	.0	.7	.0	.0	.0
15	.0	.0	.0	.1	.0	.0	.0	1.0	.6	.0	.4	.5
16	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.8
17	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	1.7	.0	.0	.0	.1	.8	.0	.0
21	.0	.0	.0	.0	.1	.0	.0	.0	.5	.3	.0	.0
22	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.1	.0	.6	.0	.8	.0	.0	.0	.0	.0
24	.0	1.3	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0
25	2.3	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
28	.0	.5	.3	.0	.2	.0	.3	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.2	.0	.0
30	.0	.0	.0	.0	---	.8	.0	.0	.0	.0	.7	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	3.9	3.1	.8	.3	5.5	1.1	3.4	4.7	4.1	4.0	2.1	5.1

WTR YR 1981 TOTAL 38.1

RARITAN RIVER BASIN

403854074255401 AUXILIARY RAIN GAGE - EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.5	.0	2.5	.3	.5	.0	.0	.0	.0	.0	.1	.3
2	.1	.0	1.1	.0	.5	.0	.2	.0	.0	.0	.0	.6
3	.0	.0	.0	.7	1.3	.0	2.0	.0	.0	.5	.0	.1
4	.0	.0	.0	.6	.0	.3	.1	.0	.2	.0	.0	.0
5	.0	.0	.0	.0	.1	.1	.1	.0	.2	.0	.0	.1
6	.5	.6	.0	.0	.0	.1	.8	.0	.2	.0	.0	.0
7	.0	.0	.0	.0	.0	1.0	.1	.0	.2	.0	.2	.0
8	.0	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0
9	.1	.0	.3	.0	.0	.1	.1	.0	.0	.0	.0	.0
10	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.3
11	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
13	.1	.0	.0	.0	.0	.1	.0	.0	2.3	.0	.0	.0
14	.0	.0	.8	.0	.2	.0	.0	.0	.1	.0	.0	.0
15	.0	.3	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0
16	.0	.1	.0	.0	.0	.1	.0	.0	1.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.1	.5	.0	.3	.0	.0	.0
18	.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
20	.0	.3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.7
21	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.3
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
23	.9	.0	.2	.9	.0	.0	.0	.0	.3	.0	.0	.6
24	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1
25	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.8	.0
26	.6	.0	.0	.0	.0	.2	1.8	.0	.0	.4	.0	.0
27	.7	.1	.2	.0	.0	.0	.7	.0	.0	.0	.0	.7
28	.0	.0	.0	.0	.0	.0	.0	1.0	.3	2.5	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.2
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.0
31	.0	---	.2	.1	---	.7	---	.0	---	.0	.6	---
TOTAL	4.3	1.4	7.7	2.7	3.7	3.3	6.7	1.8	5.2	3.4	1.7	4.1

CAL YR 1981 TOTAL 43.7
WTR YR 1982 TOTAL 46.0

RARITAN RIVER BASIN

403854074255401 AUXILIARY RAIN GAGE - EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.2	.0	.2	.6	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.2	.0	1.7	.0	.3	.1	.0	.0
4	.0	.4	.8	.4	.2	.0	.0	.3	.6	.1	.0	.0
5	.0	.4	.0	.6	.0	.0	.0	.0	.0	.1	.0	.0
6	.0	.0	.2	.2	.0	.0	.0	.0	.1	.0	.0	.0
7	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.6	1.3	.0	.1	.0	.0	.0
9	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	1.4	.0	.6	2.1	.3	.0	.0	.0	.0
11	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	1.7	.0
12	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.7
13	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.6	.0	.0	.0	.1	.0	.0	.0	.0
16	.0	.0	.0	.2	.5	.0	2.7	.9	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	2.5	.0	.4	.4	.0	.0	.0
19	.3	.0	.0	.0	.0	.1	.5	.6	.0	.0	.2	.0
20	.0	.0	.4	.0	.0	.0	.0	.3	.4	.0	.0	.0
21	.3	.0	.0	.0	.0	1.7	.0	.3	.6	.0	.1	1.2
22	.0	.0	.0	.0	.2	.0	.0	.8	.4	.0	.0	.1
23	.0	.0	.0	1.0	.1	.0	.0	.1	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.8	.0	.0	.5	.0	.0
25	.0	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.0
26	.6	.0	.0	.2	.0	.0	.0	1.4	.1	.0	.0	.0
27	.0	.0	.0	.0	.0	1.9	.0	.2	.1	.0	.0	.0
28	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
29	.0	1.0	.0	.0	---	.0	.0	.5	.2	.0	.0	.0
30	.0	.0	.0	.2	---	.0	.0	.3	.1	.6	.0	.6
31	.1	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	1.6	3.0	2.2	5.0	1.9	9.0	9.5	6.5	3.4	1.4	2.8	2.6

CAL YR 1982 TOTAL 39.4
WTR YR 1983 TOTAL 48.9

RARITAN RIVER BASIN

403854074255401 AUXILIARY RAIN GAGE - EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

RAINFALL, ACCUMULATED (INCHES) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
2	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0
3	.4	.2	.3	.0	.5	.0	.0	.9	.0	.1	.0	.9
4	.0	.0	1.2	.0	.0	.0	1.6	.7	.0	.2	.0	.3
5	.2	.0	.0	.0	.3	1.0	2.2	.0	.0	.7	1.0	.0
6	.0	.0	.7	.0	.0	.1	.0	.0	.2	.1	.0	.0
7	.0	.0	.0	.0	.1	.0	.0	.0	.0	3.5	.0	.0
8	.0	.0	.0	.0	.0	.1	.0	.7	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
10	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.1	.0	.0
11	.0	.4	.0	.1	.7	.0	.0	.0	.0	1.9	.0	.0
12	.8	.0	1.5	.0	.0	.0	.0	.3	.1	.0	.5	.0
13	.5	.0	1.8	.0	.0	1.3	.0	.1	.1	.0	.0	.0
14	.1	.0	.7	.0	.0	.4	.3	.1	.0	.1	.0	.0
15	.0	1.8	.0	.0	1.6	.0	.7	.0	.0	.0	.0	.1
16	.0	.2	.0	.0	.0	.0	.9	.0	.0	.3	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
18	.0	.0	.0	.2	.0	.0	.0	.0	.3	.7	.0	.0
19	1.3	.0	.0	.1	.0	.0	.1	.2	.3	.0	.0	.0
20	.1	.4	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0
21	.0	.7	.0	.0	.0	.4	.0	.1	.0	1.1	.0	.0
22	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.1	.0
23	1.8	.0	.0	.0	.8	.0	.4	.2	.0	.0	.7	.0
24	1.3	.4	.0	.8	.1	.0	.0	.0	1.9	.0	.0	.0
25	.0	1.0	.0	.7	.0	.0	.0	.0	.2	.0	.0	.0
26	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.5
28	.0	.9	.7	.0	.8	.4	.0	1.0	.0	.0	.0	.1
29	.0	.2	.0	.0	.0	.5	.0	2.6	.0	.0	.0	.0
30	.0	.0	.0	.0	---	1.2	.0	1.7	.3	.0	.0	.0
31	.0	---	.0	.2	---	.0	---	.6	---	.0	.0	---
TOTAL	6.8	7.5	8.8	2.7	5.1	5.8	6.2	10.3	3.7	11.0	2.4	1.9

CAL YR 1983 TOTAL 65.2

WTR YR 1984 TOTAL 72.2