

Figure 1.--Map of the conterminous United States showing areas covered by 18 of the 20 volumes on surface water supply. The area covered by this report is shaded.

Special reports on floods published by the Geological Survey and other agencies--Continued

<u>Report</u>	<u>Issued by</u>
WSP 1134-A: Floods of August 4-5, 1943, in Central West Virginia.	U. S. Geological Survey.
WSP 1134-B: Floods of July 18, 1942, in North Central Pennsylvania.	Do.
WSP 1137-I: Summary of floods in the United States during 1950.	Do.
WSP 1227-C: Floods of 1950 and 1951 in the Catskill Mountain Region, New York.	Do.
WSP 1227-D: Summary of floods in the United States during 1951.	Do.
WSP 1260-F: Summary of floods in the United States during 1952.	Do.
WSP 1320-E: Summary of floods in the United States during 1953.	Do.
WSP 1370-E: Summary of floods in the United States during 1954.	Do.
Cir. 155: New Year flood of 1949 in New York and New England.	Do.
Bull. 10: Flood of June 1949 in Stokesville-Bridgewater area, Virginia.	Commonwealth of Virginia.
Pennsylvania water resources inventory report-Part VIII, Floods to 1914.	Water Supply Commission of Pennsylvania.
The Floods of March 1936 in Pennsylvania.	Pennsylvania Department of Forests and Waters.
The Floods of May 1942 in the Delaware and Lackawanna River basins.	Do.
Flood-discharge records relating to Pennsylvania streams (to 1960).	Do.

#### RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

The table below contains a list of gaging stations for the area covered by this report, at which records of discharge were collected during the 1960 water year by agencies other than the Geological Survey. Current records of these stations are not contained in publications of the Geological Survey. Prior to July 1, 1957, records now collected by the Virginia Department of Conservation and Development were collected through cooperative agreements with the Survey, or by agreements between other State agencies and the Survey.

Records of discharge collected by agencies other than the Geological Survey

<u>Stream</u>	<u>Location</u>	<u>Period</u>	<u>Collected by</u>
Abrams Creek.....	Near Winchester, Va.....	1945-60	Department of Conservation and Development.
Accotink Creek.....	Near Annandale, Va.....	1947-60	Do.
Battle Run.....	Near Laurel Mills, Va.....	1958-60	Do.
Beaverdam Swamp.....	Near Ark, Va.....	1949-60	Do.
Broad Run.....	At Buckland, Va.....	1950-60	Do.
Bull Run.....	Near Manassas, Va.....	1950-60	Do.
Cat Point Creek.....	Near Montross, Va.....	1943-60	Do.
Cedar Creek.....	Near Winchester, Va.....	1937-60	Do.
Cedar Run.....	Near Catlett, Va.....	1950-60	Do.
Cedar Run.....	Near Warrenton, Va.....	1950-60	Do.
Difficult Run.....	Near Great Falls, Va.....	1934-60	Do.
Dragon Run.....	Near Church View, Va.....	1943-60	Do.
East Canada Creek.....	Ingham, N. Y.....	1913-60	Niagara Mohawk Power Corp.
Gunpowder Falls.....	Lock Raven, Md.....	1883-1960 a	Baltimore Department of Public Works.
Hoosic River.....	Schaghticoke, N. Y.....	1910-60	Niagara Mohawk Power Corp.
Hudson Creek.....	Near Boswells Tavern, Va.....	1948-60	Department of Conservation and Development.
Hudson River.....	Mechanicville, N. Y.....	1887-1960 b	West Virginia Pulp & Paper Co.
Hudson River.....	Spier Falls, N. Y.....	1923-60 c	Niagara Mohawk Power Corp.
Mattaponi River.....	Near Bowling Green, Va.....	1942-60	Department of Conservation and Development.
Mountain Run.....	Near Culpeper, Va.....	1949-60	Do.
North Anna River.....	Near Doswell, Va.....	1929-60	Do.
Passage Creek.....	At Buckton, Va.....	1908-6 d	Do.
Piscataway Creek.....	Near Tappahannock, Va.....	1932-60	Do.
Rush River.....	At Washington, Va.....	1951-60	Do.
Shenandoah River, North Fork.....	At Mount Jackson, Va.....	1943-60	Do.
Sprite Creek.....	Below Canada Lake, N. Y.....	1915-60	Niagara Mohawk Power Corp.
Tetopotomoy Creek.....	Near Atlee, Va.....	1948-60	Department of Conservation and Development.

a Records (prior to 1937, monthly means only) published in annual reports of Baltimore Department of Public Works.

b Records for 1887-1956 published in water-supply papers of Geological Survey.

c Records for period 1912-23 published in water-supply papers of Geological Survey.

d Gage heights or gage heights and discharge measurements only.

Note.—The Agricultural Research Service, United States Department of Agriculture, has been collecting records of runoff from the following selected areas in the North Atlantic slope basins, New York to York River: Beginning in 1937, from 1 area of 2,215 acres, near Cohocton, N. Y.; beginning in 1941, from 2 areas about 3.5 acres each near College Park, Md.; beginning in 1951, from 4 areas, 30 to 1,570 acres, in Dutchess County, N. Y.; beginning in 1958, from 1 area of 195 acres, near Culpeper, Va., and from 4 areas, 6 to 11 acres, near Moorefield, W. Va.; and beginning in 1959, from 1 area of 1,980 acres, near Luray, Va.

## HYDROLOGIC CONDITIONS

Excessive streamflow occurred in some parts of the area covered by this report in each month except March, July, and August. For the key gaging station in New York, the November mean discharge was record-high for the month.

Frequent flooding in scattered areas was generally limited to bankfull stages. However, considerable damage was caused by floods in New York in June, in Maryland in July, and on coastal streams throughout the area in September. The September floods, caused by a tropical hurricane, resulted in the maximum discharge at many gaging stations having 20 to 30 years of record.

Streamflow was deficient in New York, northern New Jersey, and Pennsylvania in March.

Figure 2, on page 14, for which records of three long-term gaging stations were used, shows a comparison of the monthly and yearly mean discharge for the 1960 water year with the median discharge for the period 1931-60.

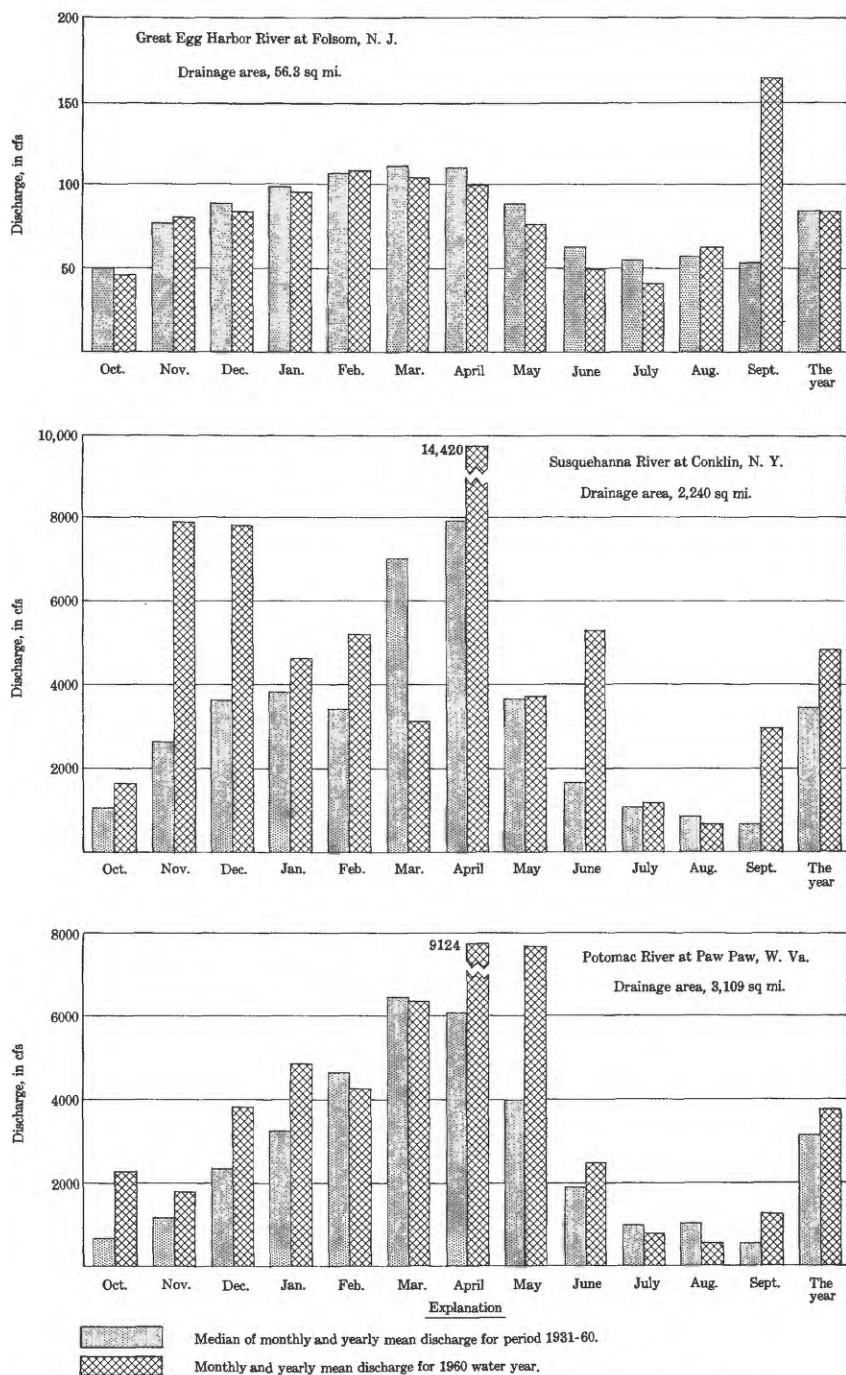


Figure 2. Comparison of discharge at three long-term representative gaging stations during 1960 water year with median discharge for period 1931-60.

















































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































