

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

previously published in its water-supply papers. The following table contains a list of these reports for the area covered by this report.

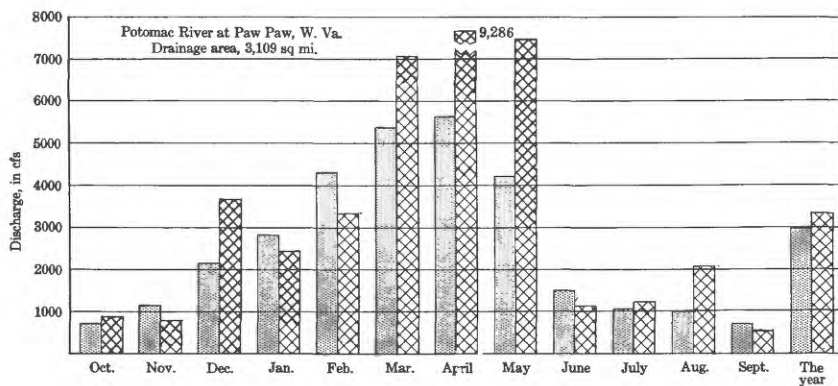
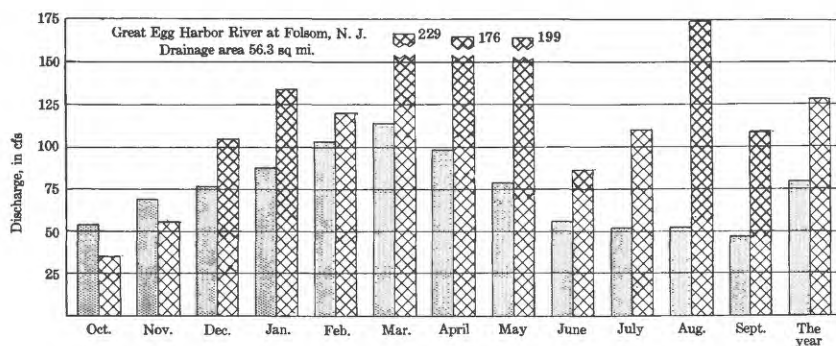
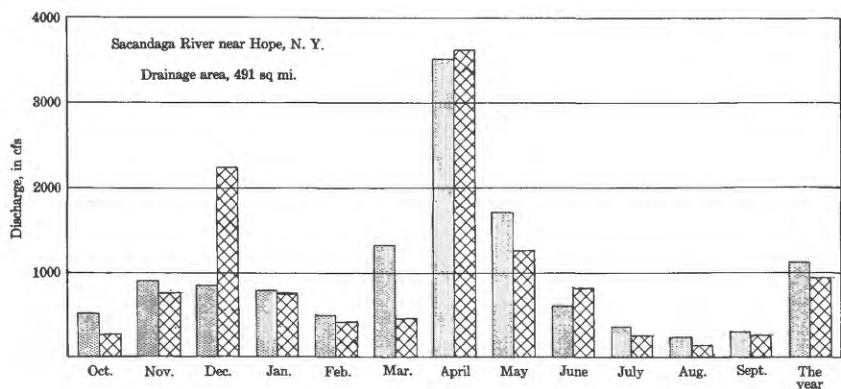
State reports containing compilations of records of discharge

State	Period	Report	Issued by
Maryland.....	1929-37	Flow data and draft storage curves for major streams in Maryland.	State Planning Commission and Water Resources Commission.
Do.....	1892-1943	Bull. 1, Summary of records of surface waters of Maryland and the Potomac River basin.	Department of Geology, Mines, and Water Resources.
Do.....	1931-48	Bull. 5, Anne Arundel County water resources.	Do.
Do.....	1944-49	Physical features of Washington County...	Do.
Do.....	1896-1950	Bull. 10, Prince Georges County water resources.	Do.
Do.....	1946-51	Bull. 11, St. Marys County water resources.	Do.
Do.....	1898-1952	Bull. 13, Geology and water resources of Garrett County.	Do.
Do.....	1886-1952	Bull. 14, The water resources of Howard and Montgomery Counties.	Do.
Do.....	1929-53	Bull. 16, The water resources of Somerset, Wicomico, and Worcester Counties.	Do.
Do.....	1897-1954	Bull. 17, The water resources of Baltimore and Harford Counties.	Do.
Do.....	1943-55	Bull. 18, The water resources of Caroline, Dorchester, and Talbot Counties.	Do.
Do.....	1896-1956	Bull. 21, The water resources of Cecil, Kent, and Queen Anne Counties.	Do.
Do.....	1895-1956	Bull. 22, The water resources of Carroll and Frederick Counties.	Do.
New Jersey.....	1892-1928	Bull. 35, Surface water supply of New Jersey.	Department of Conservation and Development.
Do.....	1928-34	Special Rept. 5, Surface water supply of New Jersey.	State Water Policy Commission.
Do.....	1934-40	Special Rept. 9, Surface water supply of New Jersey.	Do.
Do.....	1940-45	Special Rept. 12, Surface water supply of New Jersey.	Department of Conservation and Economic Development.
Do.....	1945-50	Special Rept. 14, Surface water supply of New Jersey.	Do.
Pennsylvania...	1890-1911	Report of Water Supply Commission of Pennsylvania.	Water Supply Commission of Pennsylvania.
Do.....	1928-32	Streamflow records of Pennsylvania.....	Department of Forests and Waters.
Virginia.....	1895-1927	Bull. 31, Water resources of Virginia....	Virginia Geological Survey.
Do.....	1927-42	Bull. 4, Surface water supply of Virginia (Potomac, Rappahannock, and York River basins).	Virginia Conservation Commission.
Do.....	1942-50	Bull. 12, Surface water supply of Virginia (Potomac, Rappahannock, and York River basins).	Department of Conservation and Development.
Do.....	1951-55	Bull. 16, Surface water supply of Virginia (Potomac, Rappahannock, and York River basins).	Do.

Note.--In addition to the records contained in the reports listed above, the following States have issued annual or biennial reports in which are contained records of discharge: New York (also Board of Water Supply, City of New York) and Pennsylvania.

The reports listed in the foregoing tables contain the customary records of discharge collected during the systematic operation of gaging stations. Detailed information on the stage and discharge of many streams during major floods has been included in special reports on these floods published by the Geological Survey or other agencies. The more recent of these special reports also contain other pertinent hydrologic information and analyses and compilations of data relating to earlier notable floods. The following is a list of these reports:

Report	Issued by
WSP 88: The Passaic flood of 1902.	U. S. Geological Survey
WSP 92: The Passaic flood of 1903.	Do.
WSP 147: Destructive floods in the United States in 1904.	Do.
WSP 162: Destructive floods in the United States in 1905.	Do.
WSP 771: Floods in the United States, magnitude and frequency.	Do.
WSP 773-E: The New York State flood of July 1935.	Do.
WSP 799: The floods of 1936, Part 2, Hudson River to Susquehanna River region.	Do.
WSP 800: The floods of 1936, Part 3, Potomac, James, and upper Ohio Rivers.	Do.
WSP 847: Maximum discharges at stream-measurement stations through September 1938.	Do.
WSP 915: Major winter and nonwinter floods in selected basins in New York and Pennsylvania.	Do.
WSP 966: Minor floods of 1938 in North Atlantic States.	Do.
WSP 1134-A: Floods of August 4-5, 1943, in Central West Virginia.	Do.
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.



Explanation



Median of monthly mean discharge for 25-year period 1921-45.

Monthly mean discharge during water year 1958.

Figure 2. Comparison of discharge at three key gaging stations during 1958 water year with median discharge for 25-year period.

BLIND BROOK BASIN

3000. Blind Brook at Rye, N. Y.

Location.--Lat 40°59'00", long 73°41'15", on left bank at Rye, Westchester County, just upstream from Theodore Fremd Avenue Bridge, a quarter of a mile southwest from New York, New Haven and Hartford Railroad station and 0.85 mile upstream from mean high water in Milton Harbor.

Drainage area.--9.20 sq mi.

Records available.--November 1943 to September 1958.

Gage.--Water-stage recorder and concrete control. Datum of gage is 13.05 ft above mean sea level, datum of 1929 (levels by city of Rye).

Average discharge.--14 years (1944-58), 15.70 cfs.

Extremes.--Maximum discharge during year, 576 cfs Feb. 28 (gage height, 4.97 ft); minimum, 0.29 cfs Aug. 10 (gage height, 0.85 ft, from recorded range in stage).

1943-58: Maximum discharge, 1,360 cfs Oct. 16, 1955 (gage height, 9.62 ft); minimum, 0.12 cfs July 5, 1953 (gage height, 0.805 ft), result of temporary regulation.

Remarks.--Records excellent except those for periods of no gage-height record or those below 1 cfs, which are good, and those for period of ice effect, which are fair. Medium and high flows affected by detention reservoir 2 miles above station (capacity, about 26 acre-ft at spillway level or 50 acre-ft at crest of concrete dam).

Rating table, water year 1957-58, except period of ice effect (gage height, in feet, and discharge, in cubic feet per second)

0.86	0.34	1.4	14.6
.9	.63	1.7	34.5
.95	1.10	2.1	75
1.0	1.70	2.5	131
1.1	3.55	3.6	326
1.2	6.22		

Discharge, in cubic feet per second, water year October 1957 to September 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.40	2.38	23.7	26.6	19.0	52	39.6	33.0	7.42	3.09	5.76	3.03
2	.59	3.78	11.2	15.7	16.3	36.2	27.0	25.6	9.39	2.07	1.77	*1.28
3	*5.1	3.21	7.42	13.7	16.3	31.8	22.1	31.2	8.78	2.29	1.10	1.32
4	.59	4.01	7.79	*11.5	12.5	59	18.1	58	6.36	1.38	2.61	1.56
5	1.56	1.92	7.79	9.60	11.8	31.5	15.8	48.1	5.40	3.36	1.31	1.17
6	4.78	1.84	6.86	9.18	11.8	28.5	160	65	5.02	5.62	1.10	.55
7	7.41	1.70	32.6	9.18	15.0	23.0	*156	88	4.02	*4.39	2.30	2.75
8	15.0	3.30	27.7	9.60	29.4	21.7	52	*55	5.14	4.34	1.05	4.37
9	7.14	9.91	45.2	8.98	17.2	16.9	30.8	36.0	4.77	3.98	.37	1.75
10	3.21	3.90	32.7	8.57	b12.6	18.1	27.7	26.6	5.71	2.69	a5.38	1.42
11	3.03	2.69	30.8	8.57	b10.0	14.6	88	23.2	5.91	1.77	all.3	1.29
12	1.92	*3.04	19.2	8.43	b8.4	14.4	85	21.4	*5.44	1.50	a2.51	1.13
13	1.70	2.15	12.7	7.23	b7.2	13.6	41.6	17.0	3.98	3.69	1.95	.51
14	1.57	3.01	11.8	15.8	b6.4	22.5	31.9	14.8	6.80	3.01	1.62	a.47
15	4.05	24.3	12.7	126	b6.1	39.9	26.7	19.2	4.41	2.70	2.70	a1.44
16	1.56	8.56	13.2	34.8	b7.6	43.7	22.9	24.9	4.37	3.15	2.24	1.11
17	1.26	5.32	12.2	21.7	b9.6	41.2	21.0	18.1	3.66	1.84	3.20	3.79
18	2.10	4.38	10.4	17.2	b13.0	40.9	18.6	17.6	3.35	1.71	3.39	18.7
19	5.91	12.2	10.9	14.1	b11.0	39.6	17.0	16.6	4.79	.76	1.20	5.47
20	4.14	11.7	26.6	12.0	b9.8	46.8	16.0	20.2	6.61	2.01	.81	2.79
21	3.11	6.06	136	12.6	b8.4	47.0	15.0	16.2	5.77	1.03	1.65	4.34
22	2.30	6.50	29.2	223	7.79	45.2	14.0	13.4	8.19	1.22	1.48	12.9
23	1.50	4.14	21.7	42.0	7.79	57	43.0	12.2	6.30	1.59	.63	4.88
24	4.49	3.90	17.5	26.2	10.0	71	25.2	11.0	4.41	1.46	1.64	3.52
25	9.07	3.55	13.9	*119	26.4	64	17.4	41.6	3.91	1.21	17.4	2.84
26	3.32	3.10	80	78	23.3	98	13.4	32.2	4.87	.68	13.0	2.52
27	2.50	5.03	48.0	43.0	31.1	61	11.8	15.4	6.99	1.09	4.74	11.6
28	2.68	3.65	23.7	34.5	317	40.3	128	13.7	3.44	1.22	3.12	13.0
29	3.51	9.18	23.0	27.0	-	30.0	60	11.5	2.69	9.29	2.62	6.11
30	2.11	37.6	19.5	24.4	-----	26.3	78	9.60	3.91	2.98	1.38	4.26
31	1.57	-----	15.2	21.1	-----	29.6	-----	8.37	-----	2.58	1.89	-----
Total	106.59	196.01	791.18	1,040.44	682.78	1,205.3	1,323.6	844.67	163.81	79.90	101.22	121.87
Mean	3.44	6.53	25.52	33.56	24.38	38.88	44.12	27.25	5.46	2.58	3.27	4.06
Cfs/m	0.374	0.710	2.77	3.65	2.65	4.23	4.80	2.96	0.583	0.280	0.355	0.441
In.	0.43	0.79	3.20	4.21	2.76	4.67	5.35	3.41	0.66	0.32	0.41	0.49

Calendar year 1957: Max 179

Min 0.20

Mean 10.21

Cfs/m 1.11

In. 15.07

Water year 1957-58: Max 317

Min 0.37

Mean 18.24

Cfs/m 1.98

In. 26.90

Peak discharge (base, 380 cfs).--Jan. 22 (8:30 a.m.) 502 cfs (4.58 ft); Feb. 28 (9:15 a.m.) 576 cfs (4.97 ft); Apr. 6 (8:30 p.m.) 502 cfs (4.58 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated from reconstructed gage-height graph based on recorded range in stage and weather records.

b Stage-discharge relation affected by ice.

