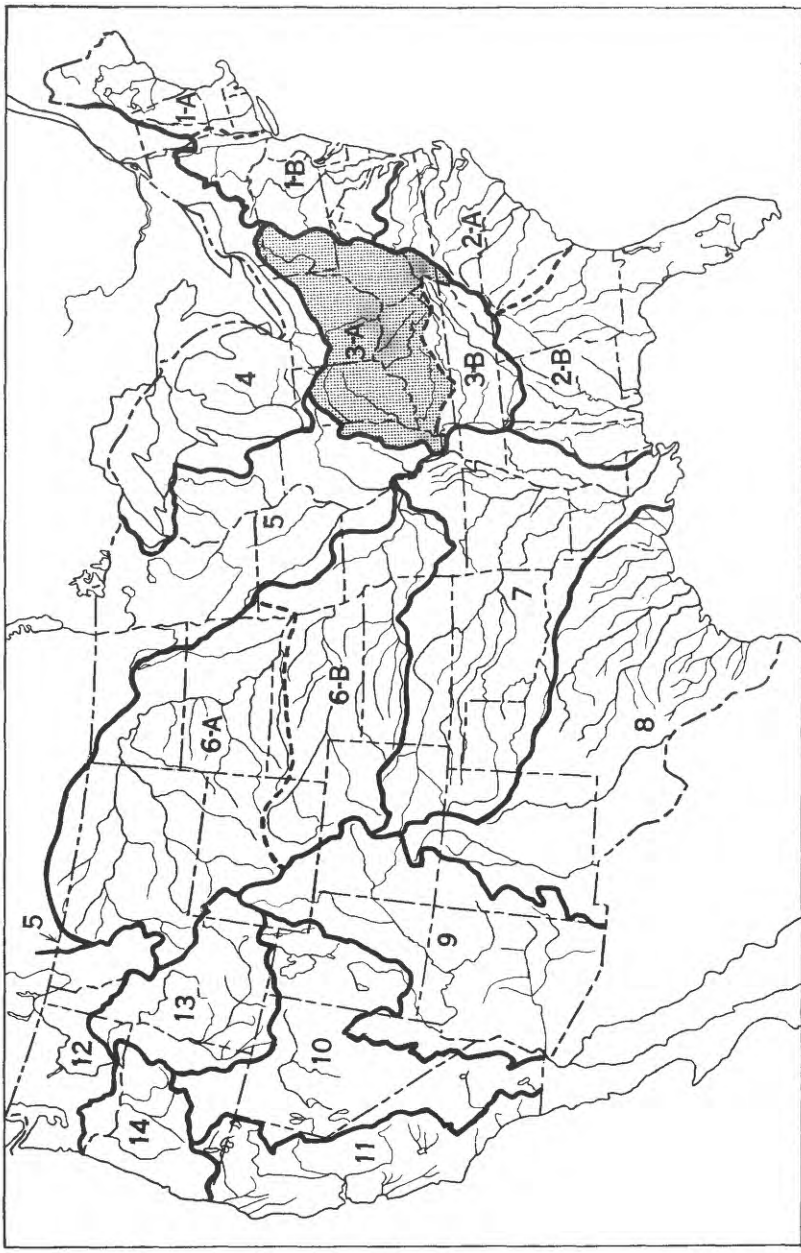

Figure 1.--Map of the United States showing areas covered by the 18 annual volumes on surface water supply. The area covered by this report is shaded.

Part 8. Western Gulf of Mexico basins.
9. Colorado River basin.
10. The Great Basin.
11. Pacific slope basins in California.
12. Pacific slope basins in Washington and upper Columbia River basin.
13. Snake River basin.
14. Pacific slope basins in Oregon and lower Columbia River basin.

Water-supply papers and other publications of the Geological Survey containing data on the water resources of the United States may be purchased or consulted as follows:

1. Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., who will, on application, furnish lists giving prices. A list of Geological Survey publications may also be obtained by applying to the Director, Geological Survey, Washington, D. C.

2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.

3. Sets are available for consultation in the offices of the Water Resources Division of the Geological Survey. Addresses of the offices in the area covered by this report are given on page 2.

Early records of the flow of streams in the United States are published in the reports listed below. In many of these reports records for years earlier than those indicated have been included for some streams.

Streamflow data for the years 1884-1901, in reports of the Geological Survey
(A = Annual Report; B = Bulletin)

Report	Character of data	Year
10th A, pt. 2	Descriptive information only.	
11th A, pt. 2	Monthly discharge and descriptive information.....	1884 to September 1890.
12th A, pt. 2	....do.....	1884 to June 30, 1891.
13th A, pt. 3	....do.....	1884-92.
14th A, pt. 2	Monthly discharge.....	1888-93.
B 131.....	Descriptions, measurements, gage heights, and ratings.....	1893-94.
16th A, pt. 2	Descriptive information only.	
B 140.....	Descriptions, measurements, gage heights, ratings, and monthly discharge.	1895.
WSP 11.....	Gage heights.....	1896.
18th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge..	1895-96.
WSP 15.....	Descriptions, measurements, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries above Kansas River.	1897.
WSP 16.....	Descriptions, measurements, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries above Kansas River.	1897.
19th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge..	1897.
WSP 27.....	Measurements, ratings, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries.	1898.
WSP 28.....	Measurements, ratings, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries.	1898.
20th A, pt. 4	Monthly discharge.....	1898.
WSP 35 to 39.	Descriptions, measurements, gage heights, and ratings.....	1899.
21st A, pt. 4	Monthly discharge.....	1899.
WSP 47 to 52.	Descriptions, measurements, gage heights, and ratings.....	1900.
22d A, pt. 4.	Monthly discharge.....	1900.
WSP 65, 66...	Descriptions, measurements, gage heights, and ratings.....	1901.
WSP 75.....	Monthly discharge.....	1901.

Reports on surface-water supply containing records from 1899 to date for drainage basins in this report are listed below. The data for any particular gaging station will, in general, be found in the reports covering the years during which the station was maintained. Before 1951, records for the Cumberland and Tennessee River basins were included with those of the other rivers of the Ohio River basin.

Numbers of water-supply papers containing results of stream measurements in Ohio River basin except Cumberland and Tennessee River basins, 1899-1958

Year	WSP	Year	WSP	Year	WSP	Year	WSP	Year	WSP
1899	36	1912	323	1925	603	1937	823	1949	1143
1900	46,a49	1913	353	1926	623	1938	853	1950	1173
1901	65, 75	1914	383	1927	643	1939	873	1951	1205
1902	83	1915	403	1928	663	1940	893	1952	1235
1903	98	1916	433	1929	683	1941	923	1953	1275
1904	128	1917	453	1930	698	1942	953	1954	1335
1905	169	1918	473	1931	713	1943	973	1955	1385
1906	205	1919-20	503	1932	728	1944	1003	1956	1435
1907-8	243	1921	523	1933	743	1945	1033	1957	1505
1909	263	1922	543	1934	758	1946	1053	1958	1555
1910	283	1923	563	1935	783	1947	1083		
1911	303	1924	583	1936	803	1948	1113		

a Olentangy and Scioto Rivers only.

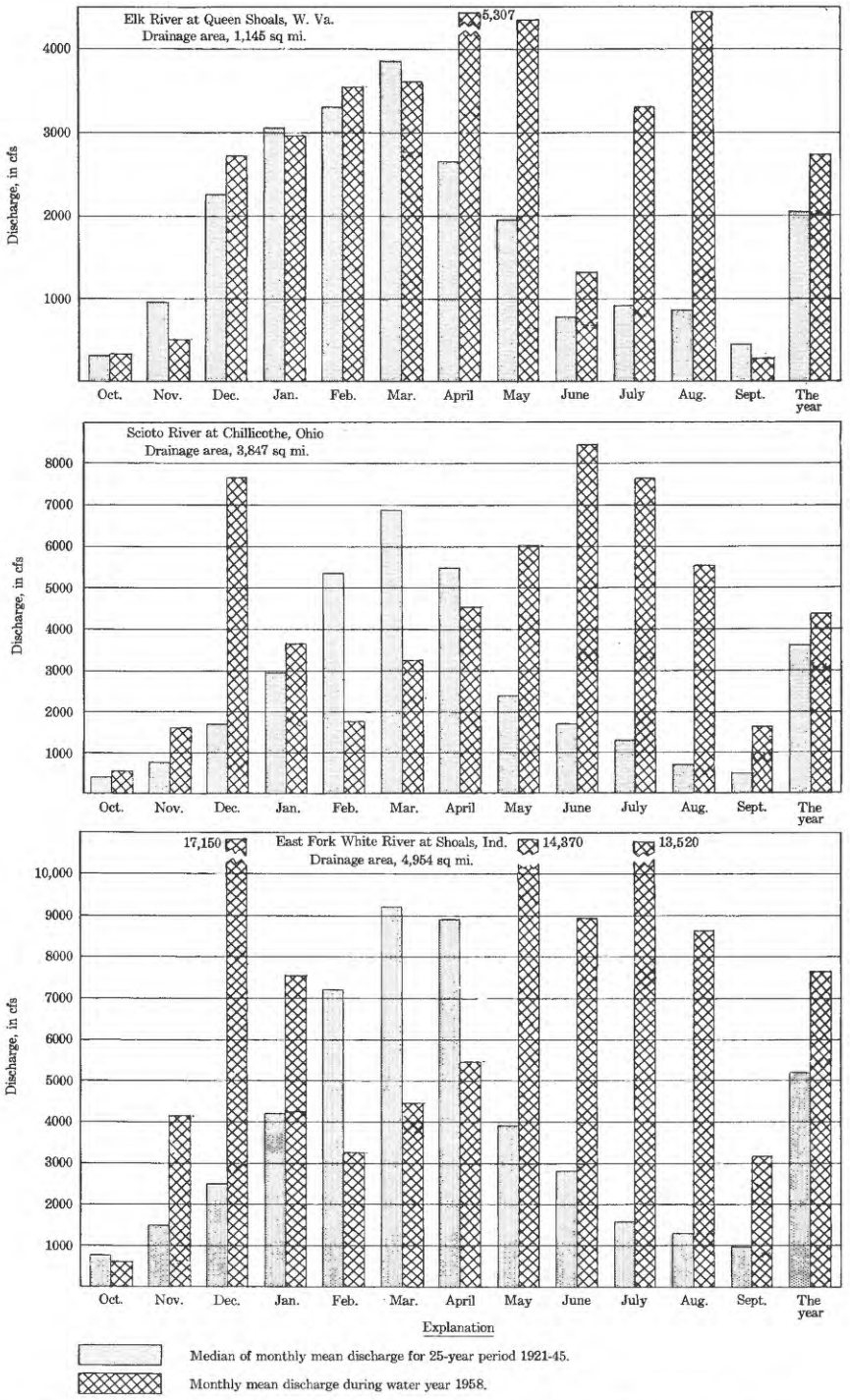

Figure 2. Comparison of discharge at three key gaging stations during 1958 water year with median discharge for 25-year period.

OHIO RIVER MAIN STEM

105. Allegheny River at Eldred, Pa.

Location.--Lat 41°57'50", long 78°23'10", on right bank at site of former highway bridge, 600 ft upstream from bridge on State Highway 346, 1,000 ft upstream from Knapp Creek, and half a mile north of Eldred, McKean County.

Drainage area.--550 sq mi.

Records available.--July 1939 to September 1958.

Gage.--Water-stage recorder. Datum of gage is 1,416.20 ft above mean sea level, unadjusted.

Average discharge.--19 years, 969 cfs.

Extremes.--Maximum discharge during year, 8,180 cfs Apr. 8 (gage height, 15.72 ft); minimum, 31 cfs Oct. 13, 14 (gage height, 1.39 ft).
1939-58: Maximum discharge, 55,000 cfs July 19, 1942 (gage height, 27.6 ft, from floodmark), from rating curve extended above 15,000 cfs on basis of slope-area measurement of peak flow; minimum, 24 cfs Sept. 10, 1957 (gage height, 1.31 ft).

Remarks.--Records good except those for periods of ice effect, which are fair.

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

1.4	32	7.0	1,620
1.7	60	10.0	3,100
2.0	96	13.0	5,000
3.0	260	16.0	8,630
4.0	520		

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	37	46	107	872	330	2,590	2,290	1,790	240	205	838	254
2	38	46	92	740	340	2,290	2,240	1,620	355	186	662	244
3	37	47	83	600	350	1,840	2,440	1,580	368	175	550	198
4	36	52	64	500	300	1,460	2,690	2,640	262	178	490	188
5	35	53	60	500	320	1,220	2,940	3,280	226	175	418	217
6	35	53	69	540	310	1,060	3,580	3,520	230	167	355	196
7	37	53	176	540	300	960	5,010	4,060	212	166	*320	203
8	34	56	1,060	450	240	960	7,760	4,700	193	654	654	532
9	34	69	666	*310	180	995	7,480	5,000	302	855	578	405
10	34	111	445	270	200	960	5,550	4,420	490	*430	368	325
11	33	93	355	320	*210	995	4,180	3,400	750	430	342	*318
12	33	77	*150	260	210	872	3,580	2,290	855	698	380	254
13	32	69	150	210	200	768	3,040	1,660	979	610	392	226
14	32	72	200	230	170	732	2,790	1,340	1,790	550	360	208
15	33	140	200	600	160	680	2,890	1,100	1,280	1,560	322	189
16	35	232	200	700	160	610	3,100	995	960	2,740	312	186
17	35	150	295	600	160	550	3,340	855	750	2,590	292	332
18	39	116	266	500	160	520	3,340	750	595	1,740	268	938
19	50	116	347	460	160	520	2,940	715	595	1,340	266	855
20	68	164	1,190	420	160	*520	2,290	595	490	1,030	222	595
21	57	168	2,790	450	160	535	1,790	505	445	785	201	651
22	48	128	3,160	450	160	535	2,290	445	405	628	213	1,380
23	44	107	2,590	500	170	595	2,690	460	330	645	210	1,100
24	56	91	1,740	400	200	698	*2,490	418	300	565	204	890
25	147	90	1,340	350	330	802	2,090	368	359	460	691	768
26	129	86	1,450	450	700	1,060	1,660	342	405	380	505	645
27	86	79	2,240	450	1,000	1,380	1,380	*305	342	325	368	628
28	64	73	1,620	430	1,300	1,620	1,620	285	285	282	310	872
29	57	86	1,380	400	-	1,740	1,790	355	250	727	278	662
30	53	116	1,180	380	-------	2,040	2,040	308	222	565	244	550
31	*48	-------	995	370	-------	2,290	-------	256	-------	595	228	-------
Total	1,536	2,839	26,660	14,252	8,640	34,397	93,310	50,357	15,245	22,436	11,861	15,009
Mean	49.5	94.6	860	460	309	1,110	3,110	1,624	508	724	383	500
Cfsm	0.090	0.172	1.56	0.836	0.562	2.02	5.65	2.95	0.924	1.32	0.696	0.909
In.	0.10	0.19	1.80	0.96	0.58	2.33	6.31	3.41	1.03	1.52	0.80	1.01

Calendar year 1957: Max 4,840 Min 24 Mean 703 Cfsm 1.28 In. 17.33
Water year 1957-58: Max 7,760 Min 32 Mean 812 Cfsm 1.48 In. 20.04

Peak discharge (base, 5,000 cfs).--Apr. 8 (8 p.m.) 8,180 cfs (15.72 ft); May 9 (6 a.m.) 5,090 cfs (13.13 ft).

* Discharge measurement made on this day.
Note.--Stage-discharge relation affected by ice Dec. 4, 5, 12-16, Jan. 2 to Feb. 28.