

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.

3. Ohio River basin, in two volumes:
 - A, Ohio River basin except Cumberland and Tennessee River basins.
 - B, Cumberland and Tennessee River basins.
4. St. Lawrence River basin.
5. Hudson Bay and upper Mississippi River basins.
6. Missouri River basin, in two volumes:
 - A, Missouri River basin above Sioux City, Iowa.
 - B, Missouri River basin below Sioux City, Iowa.
7. Lower Mississippi River basin.
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. 2do.....	1884 to June 30, 1891.
13th A, pt. 3do.....	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 in the table on the following page. The data for any particular gaging station will, in general, be found in the reports covering the years during which the station was maintained.

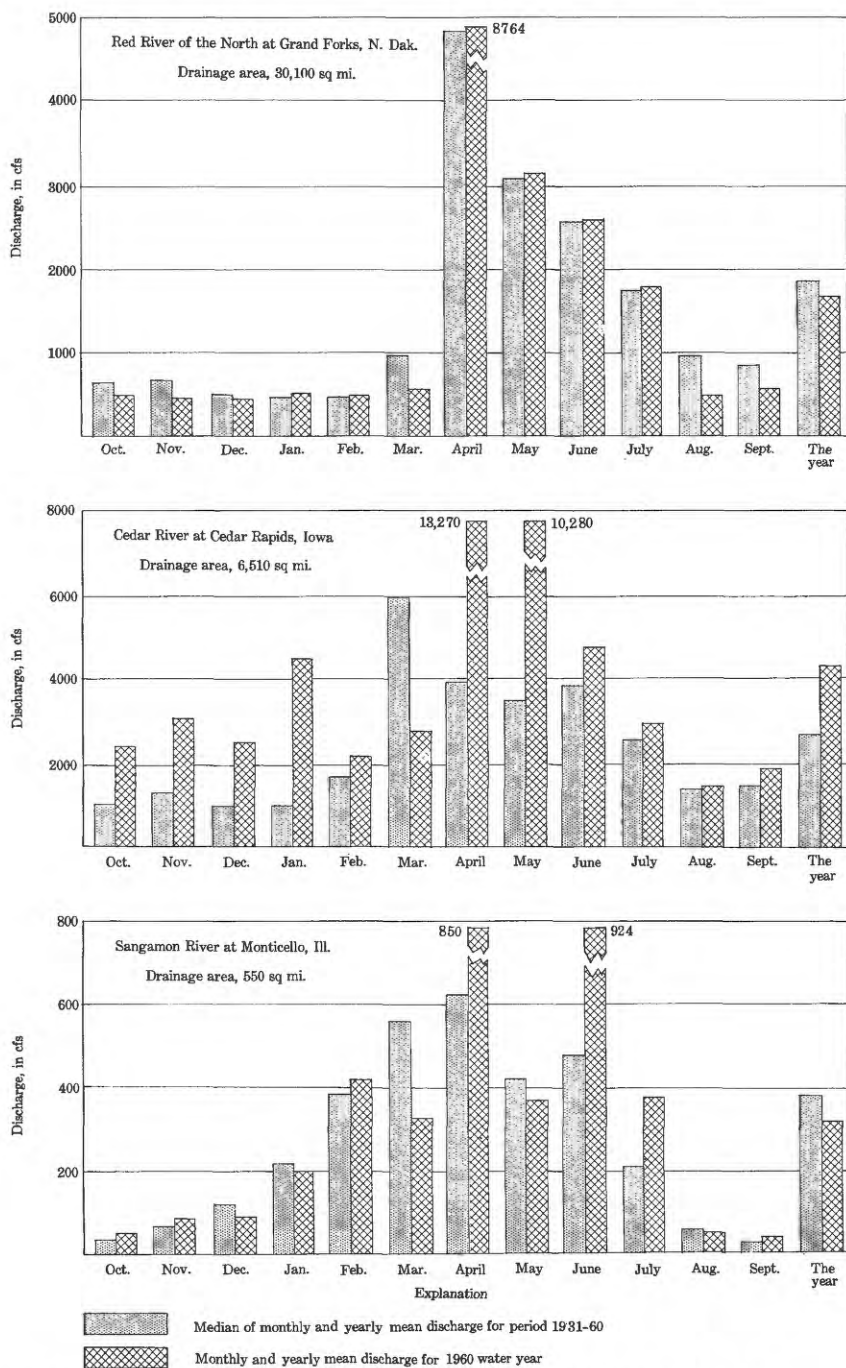


Figure 2. Comparison of discharge at three long-term representative gaging stations during 1960 water year with median discharge for period 1931-60.

HUDSON BAY BASIN

SASKATCHEWAN RIVER BASIN

100. Belly River at international boundary

(International gaging station)

Location.--Lat 48°59'50", long 113°40'50", in NW $\frac{1}{4}$ sec.2, T.37 N., R.16 W. (unsurveyed), on right bank 200 ft upstream from international boundary, 11 miles southeast of Waterton Park, Alberta, and 15 miles northwest of Babb, Mont.

Drainage area.--74.8 sq mi.

Records available.--May 1947 to September 1960 (no winter records after 1957).

Gage.--Water-stage recorder. Altitude of gage is 4,500 ft (from topographic map). Prior to Sept. 26, 1947, staff gage at same site and datum.

Average discharge.--10 years (1947-57), 262 cfs (189,700 acre-ft per year).

Extremes.--Maximum discharge during year, 1,270 cfs June 4 (gage height, 4.80 ft); minimum not determined.

1947-60: Maximum discharge, 2,450 cfs June 4, 1953 (gage height, 6.66 ft); minimum daily recorded, 12 cfs Feb. 12, 13, 1949.

Remarks.--Records good except those for periods of ice effect, which are poor. No regulation or diversion.

Cooperation.--This is one of a number of stations which are maintained jointly by the United States and Canada.

Revisions (water years).--WSP 1308: 1947.

Rating table, water year 1959-60, except periods of ice effect (gage height, in feet, and discharge, in cubic feet per second)

1.9	43	2.6	163
2.1	67	3.0	325
2.2	82	4.0	795
2.4	114	5.0	1,380

Discharge, in cubic feet per second, water year October 1959 to September 1960

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	202	251	b115					-	850	617	329	114
2	191	218	109					-	922	604	378	120
3	184	214	b105					-	1,120	558	373	124
4	184	b205	b95					-	1,240	536	382	135
5	184	b170	b90					-	1,030	519	360	180
6	191	b130	b90					-	806	510	325	198
7	188	b125	b90					-	773	510	294	194
8	180	b125	b95					-	751	527	260	177
9	194	131	b90					-	690	536	234	157
10	184	131	b85					-	650	514	222	143
11	177	129	85					-	655	488	214	135
12	177	b115	b85					-	650	466	214	127
13	188	b105	b80					-	680	470	210	124
14	218	b110	b80					-	734	488	210	124
15	400	b100	b100					-	*729	497	194	*124
16	470	b100	b105					-	756	488	188	127
17	439	b125	b130					*497	866	470	170	122
18	378	b130	b120					439	773	461	163	120
19	325	b130	b110					391	630	448	160	111
20	290	b135	107					351	563	444	166	106
21	268	b140	b100					343	536	439	166	106
22	260	b135	b90					325	514	422	160	102
23	234	b135	b90					312	510	395	155	100
24	260	b140	84					307	554	356	141	99
25	505	b190	79					285	645	329	135	94
26	599	b185	b75					272	660	307	129	91
27	541	b185	b70					299	635	294	122	90
28	457	b145	b70					329	604	290	118	88
29	387	120	b65					365	599	290	116	86
30	329	b115	b60					444	563	290	112	86
31	290	-----	b50		-----		-----	630	-----	294	109	-----
Total	9,074	4,369	2,799	-	-	-	-	-	21,708	13,857	6,509	3,704
Mean	293	146	90.3	-	-	-	-	-	724	447	210	123
Cfsm	3.92	1.95	1.21	-	-	-	-	-	9.68	5.98	2.81	1.64
In.	4.51	2.17	1.39	-	-	-	-	-	10.79	6.89	3.24	1.84
Ac-ft	18,000	8,670	5,550	-	-	-	-	-	43,060	27,460	12,910	7,350
Calendar year	: Max			Min	Mean		Cfsm	In.	Ac-ft			
Water year	: Max			Min	Mean		Cfsm	In.	Ac-ft			

* Discharge measurement made on this day.

b Stage-discharge relation affected by ice.

