

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 pages 2 and 3.
- 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 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.





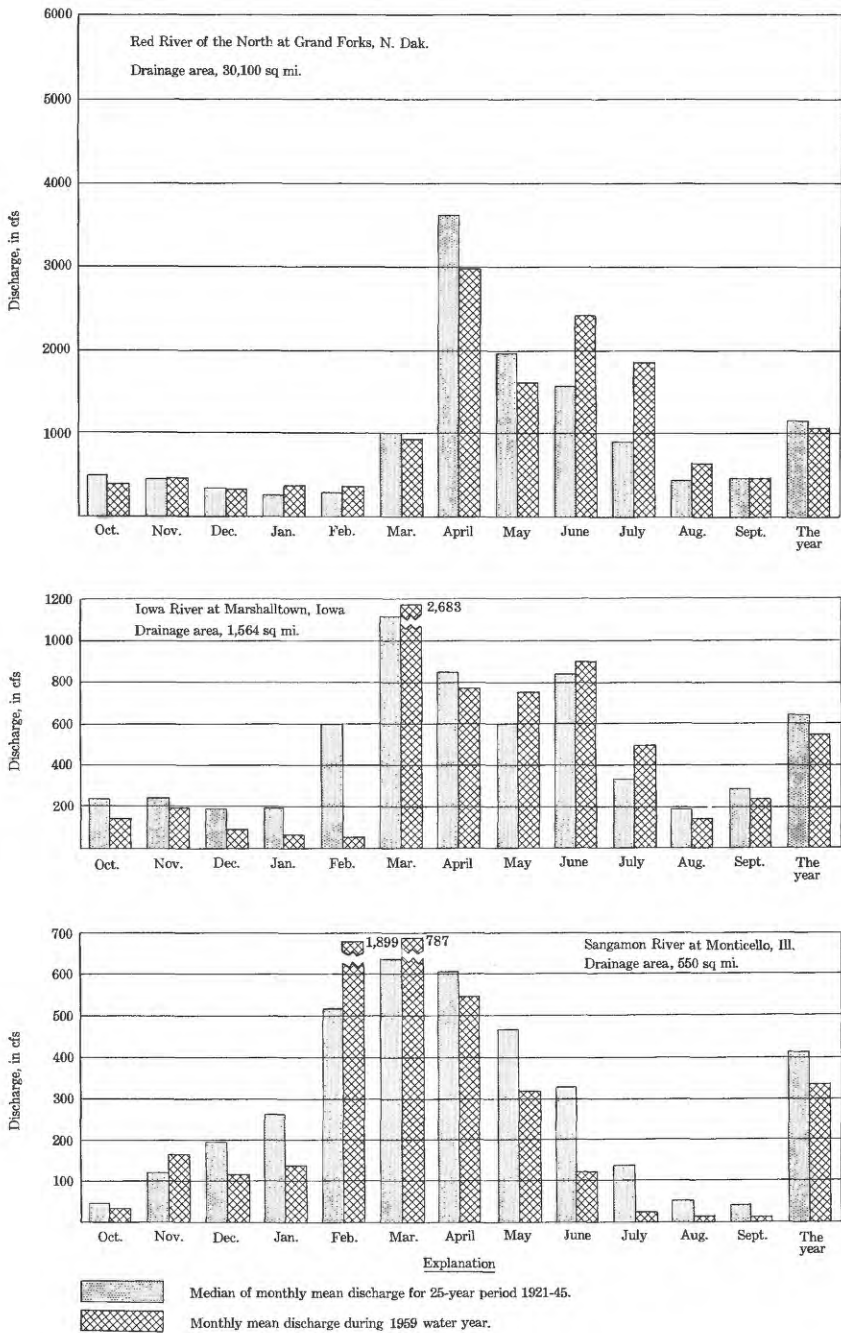


Figure 2. Comparison of discharge at three key gaging stations during 1959 water year with median discharge for 25-year period.

## 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 NW¼ 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 1959 (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.--1957-58: Maximum discharge during water year, 1,240 cfs June 10 (gage height, 4.77 ft); minimum not determined.

1958-59: Maximum discharge during water year, 1,570 cfs June 6 (gage height, 5.31 ft); minimum not determined.

1947-59: Maximum discharge, 2,450 cfs June 4, 1953 (gage height, 6.66 ft); minimum daily recorded, 12 cfs Feb. 12, 13, 1949.

Remarks.--Records fair 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, Oct. 1, 1957, to Sept. 30, 1959, except periods of ice effect (gage height, in feet, and discharge, in cubic feet per second)

2.2	82	3.0	325
2.4	114	4.0	795
2.6	163	5.4	1,620

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	96							-	707	492	290	116
2	107							-	650	444	281	109
3	*122							-	612	413	277	109
4	-							-	740	387	260	104
5	-							-	795	373	234	97
6	-							-	756	373	218	92
7	-							-	712	356	206	91
8	-							-	675	369	198	90
9	-							-	707	395	202	92
10	-							-	1,200	395	198	94
11	-							-	1,100	391	206	97
12	-							-	910	391	*222	109
13	-							-	756	395	210	120
14	-							-	645	395	194	138
15	-							-	594	369	184	135
16	-							*734	568	329	177	131
17	-							822	563	307	170	131
18	-							828	572	307	160	129
19	-							773	645	303	160	141
20	-							773	680	307	160	166
21	-							683	645	303	157	170
22	-							990	599	307	157	166
23	-							1,030	572	334	157	163
24	-							1,040	568	321	155	163
25	-							1,040	558	299	155	157
26	-							1,040	523	299	152	135
27	-							1,000	541	281	149	131
28	-							944	670	264	160	131
29	-							927	635	264	157	131
30	-							872	563	312	143	131
31	-							790		299	127	
Total	-	-	-	-	-	-	-	-	20,461	10,774	5,876	3,769
Mean	-	-	-	-	-	-	-	-	662	345	190	126
Cfsm	-	-	-	-	-	-	-	-	9.12	4.65	2.54	1.68
In.	-	-	-	-	-	-	-	-	10.17	5.36	2.92	1.87
Ac-ft	-	-	-	-	-	-	-	-	40,580	21,370	11,650	7,480

Calendar year	: Max	Min	Mean	Cfsm	In.	Ac-ft
Water year	: Max	Min	Mean	Cfsm	In.	Ac-ft

\* Discharge measurement made on this day.

















































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































































