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STREAMFLOW CHARACTERISTICS IN NORTHEASTERN UTAH AND ADJACENT AREAS

by

Fred K. Fields
U.S. Geological Survey

OPEN-FILE RELEASE

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in cooperation with the
Utah Department of Natural Resources
1975

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METRIC UNITS

The numbers are given in this report in English units followed by metric units in parentheses. The conversion factors used are:

English Units (Multiply)	Abbreviation	(by)	Metric Units (To obtain)	Abbreviation
Cubic feet	ft^3	0.02832	Cubic metres	m^3
Feet	ft	.3048	Metres	m
Miles	mi	1.609	Kilometres	km
Square miles	mi^2	2.59	Square kilometres	km^2

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ABSTRACT

This report contains statistical summaries of streamflow records from 74 gaging stations, which are mostly in northeastern Utah. Low-flow, high-flow, and flow-duration summaries were compiled from daily discharge values; and flows of each month are compared through correlation with flows of 1, 2, and 12 months in the future.

INTRODUCTION

This report was prepared to present brief statistical summaries of daily discharges for selected streamflow gaging sites in northeastern Utah. These summaries were made for a hydrologic appraisal of the Uinta Basin conducted in cooperation with the Utah Department of Natural Resources, but they should also be of use to individuals and agencies concerned with water development in the basin.

The summaries were prepared from mean daily and monthly discharges of streamflow. Daily discharges were used to compile tables of the highest and lowest mean discharges for various time intervals during each year. The same values were used to illustrate the distribution of flow for each year and to construct a flow-duration table, reflecting the distribution of flow during 1939-71. This information is useful for flood-control design, water-supply evaluation, pollution analysis, and other problems that are contingent upon the availability and variability of water.

Statistical characteristics and correlation coefficients of mean monthly discharge form the remainder of the summaries. The correlation coefficients were determined by comparing the flows of each month with flows of 1, 2, and 12 months in the future. These characteristics and coefficients are useful in elementary models that deal with the month-to-month transition of streamflow.

DATA-COLLECTION SITES

Streamflow information collected at 69 gaging-station sites in northeastern Utah and 5 sites in nearby parts of Colorado and Wyoming during October 1939-September 1971 is summarized in this report. The site locations are shown in figure 1 and listed in table 1 by identification number. Table 1 also includes the station name and period of record analysis.

DATA

A description of each gaging site is followed by an assortment of statistical summaries in table 2. The information is organized according to standard U.S. Geological Survey station numbers. The most upstream site has the lowest number and appears first. The information for each gaging site is segregated into eight divisions--a site description and seven statistical summaries. Each of these divisions is described in the remainder of this section.

Gaging-station descriptions

A description of each gaging-station site is given in table 2 prior to the statistical summaries. The information applies to each site as of September 30, 1971. If the site was discontinued prior to that date, the information is applicable to the site on the date of discontinuance.

The LOCATION paragraph gives the latitude, longitude, land-net location, and distances to nearby geographic features.

The DRAINAGE AREA paragraph indicates the size of the basin area above the gage site.

The GAGE paragraph describes the equipment used to collect the streamflow data, any artificial-control structure that is used to stabilize the stage-discharge relation, the altitude of the gage, and the history of any prior sites and datums that may have been used.

The EXTREMES paragraph gives the date or dates of occurrence and magnitude of the maximum instantaneous discharge and stage that have occurred through September 30, 1971, or prior date of discontinuance. Generally there is an explanation of the basis of determination of the peak discharge value. The minimum instantaneous or minimum daily flow value for the span of record is also listed.

The REMARKS paragraph contains information concerning diversions and regulation.

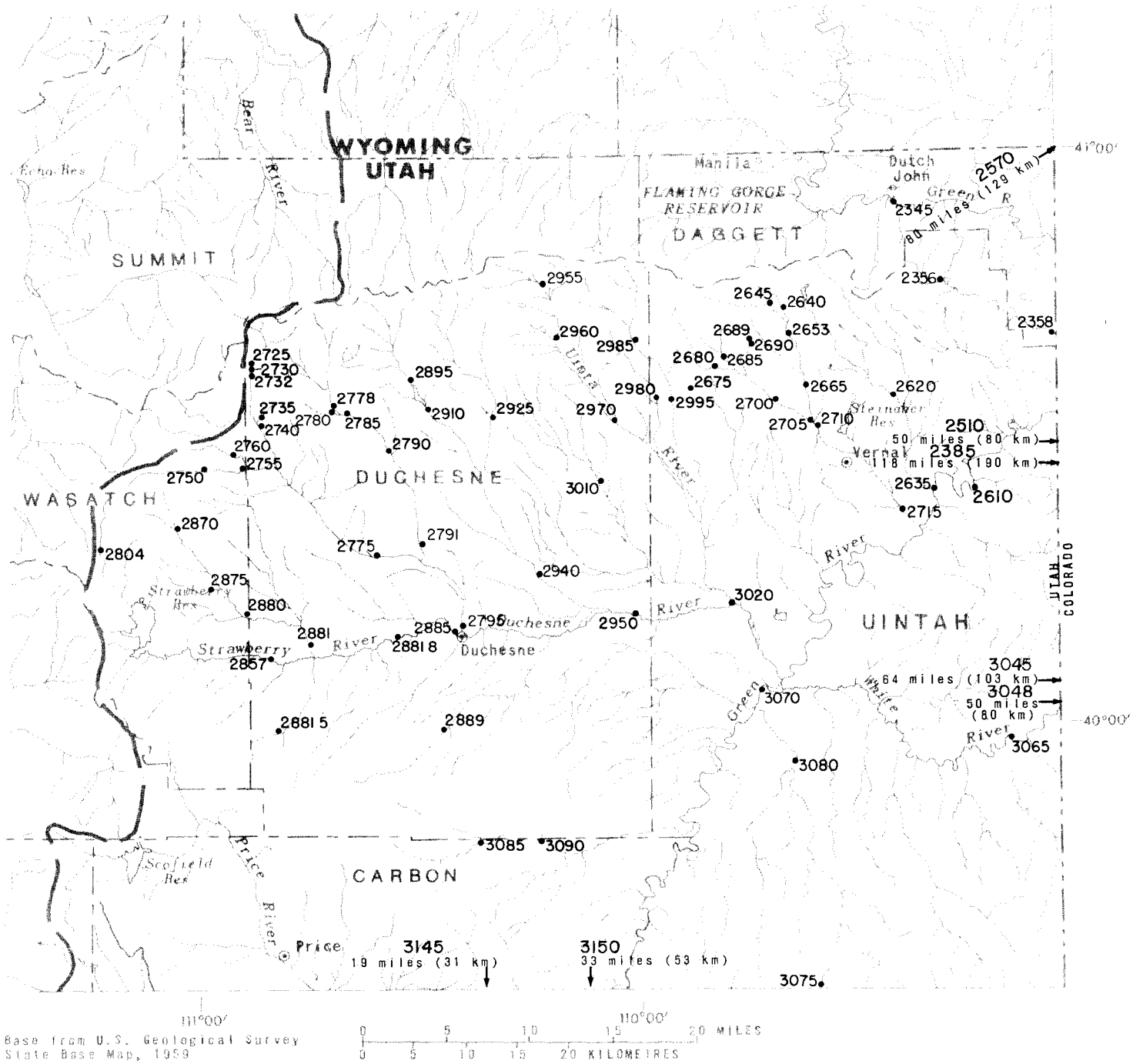
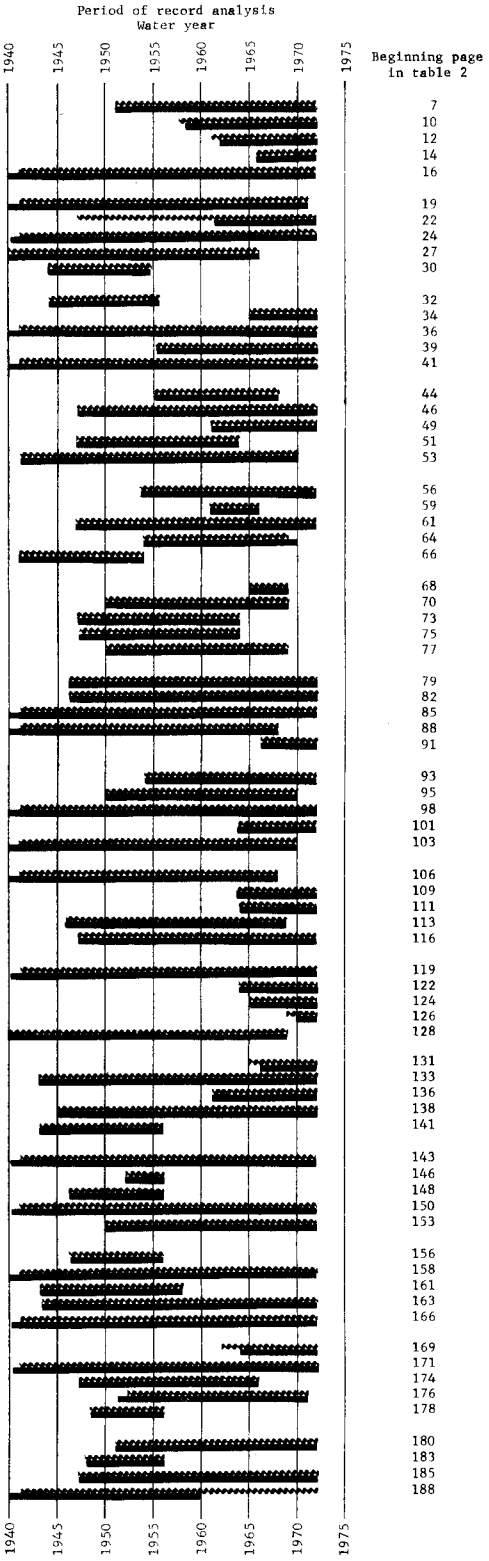


Figure 1.—Locations of data-collection sites.

TABLE 1.--BAR CHART OF GAGING-STATION RECORDS

Period of record: ▬▬▬, summaries of daily discharge factors; ▬▬▬, summaries of monthly discharge factors.



Identification number	Name	Beginning page in table 2
09234500	Green River near Greendale, Utah.	7
09235600	Pot Creek above diversions, near Vernal, Utah	10
09235800	Pot Creek near Vernal, Utah	12
09238500	Walton Creek near Steamboat Springs, Colo	14
09251000	Yampa River near Maybell, Colo.	16
09257000	Little Snake River near Dixon, Wyo.	19
09261000	Green River near Jensen, Utah	22
09262000	Big Brush Creek near Vernal, Utah	24
09263500	Brush Creek near Jensen, Utah	27
09264000	Ashley Creek below Trout Creek, near Vernal, Utah	30
09264500	South Fork Ashley Creek near Vernal, Utah	32
09265300	Ashley Creek above Red Pine Creek, near Vernal, Utah.	34
09266500	Ashley Creek near Vernal, Utah.	36
09267500	Mosby Canal near Lapoint, Utah.	39
09268000	Dry Fork above sinks, near Dry Fork, Utah	41
09268001	Combined flow of Dry Fork and Mosby Canal	44
09268500	North Fork of Dry Fork near Dry Fork, Utah.	46
09268900	Brownie Canyon above sinks, near Dry Fork, Utah	49
09269000	East Fork of Dry Fork near Dry Fork, Utah	51
09270000	Dry Fork below springs, near Dry Fork, Utah	53
09270500	Dry Fork at mouth, near Dry Fork, Utah.	56
09271000	Ashley Creek at Sign of the Maine, near Vernal, Utah.	59
09271500	Ashley Creek near Jensen, Utah.	61
09272500	Duchesne tunnel near Kamas, Utah.	64
09273000	Duchesne River at Provo River Trail, near Hanna, Utah	66
09273200	Duchesne River below Little Deer Creek, near Hanna, Utah.	68
09273500	Hades Creek near Hanna, Utah.	70
09274000	Duchesne River near Hanna, Utah	73
09274001	Combined flow of Duchesne River and Duchesne tunnel	75
09275000	West Fork Duchesne River below Dry Hollow, near Hanna, Utah	77
09275500	West Fork Duchesne River near Hanna, Utah	79
09276000	Wolf Creek above Rhoades Canyon, near Hanna, Utah	82
09277500	Duchesne River near Tabiona, Utah	85
09277501	Combined flow of Duchesne River and Duchesne tunnel	88
09277800	Rock Creek above South Fork, near Hanna, Utah	91
09278000	South Fork Rock Creek near Hanna, Utah.	93
09278500	Rock Creek near Hanna, Utah	95
09279000	Rock Creek near Mountain Home, Utah	98
09279100	Rock Creek near Talmage, Utah	101
09279500	Duchesne River at Duchesne, Utah.	103
09279501	Combined flow of Duchesne River and Duchesne tunnel	106
09280400	Hobble Creek at Daniels Summit, near Wallsburg, Utah.	109
09285700	Strawberry River above Red Creek, near Fruitland, Utah.	111
09287000	Currant Creek below Red Ledge Hollow, near Fruitland, Utah.	113
09287500	Water Hollow near Fruitland, Utah	116
09288000	Currant Creek near Fruitland, Utah.	119
09288100	Red Creek below Currant Creek, near Fruitland, Utah	122
09288150	Cottonwood Creek near Fruitland, Utah	124
09288180	Strawberry River near Duchesne, Utah.	126
09288500	Strawberry River at Duchesne, Utah.	128
09288900	Sowers Creek near Duchesne, Utah.	131
09289500	Lake Fork River above Moon Lake, near Mountain Home, Utah	133
09291000	Lake Fork River below Moon Lake, near Mountain Home, Utah	136
09292500	Yellowstone River near Altonah, Utah.	138
09294000	Lake Fork near Upalco, Utah	141
09295000	Duchesne River at Myton, Utah	143
09295500	Uinta River below Gilbert Creek, near Neola, Utah	146
09296000	Uinta River above Clover Creek, near Neola, Utah.	148
09297000	Uinta River near Neola, Utah.	150
09298000	Farm Creek near Whiterocks, Utah.	153
09298500	Whiterocks River above Paradise Creek, near Whiterocks, Utah.	156
09299500	Whiterocks River near Whiterocks, Utah.	158
09301000	Dry Gulch near Neola, Utah.	161
09302000	Duchesne River near Randlett, Utah.	163
09304500	White River near Meeker, Colo	166
09304800	White River below Meeker, Colo.	169
09306500	White River near Watson, Utah	171
09307000	Green River near Ouray, Utah.	174
09307500	Willow Creek above diversions, near Ouray, Utah	176
09308000	Willow Creek near Ouray, Utah	178
09308500	Minnie Maud Creek near Myton, Utah.	180
09309000	Minnie Maud Creek at Nutter Ranch, near Myton, Utah	183
09314500	Price River at Woodside, Utah	185
09315000	Green River at Green River, Utah.	188

Statistical summaries

Each site has seven statistical summaries compiled from information collected during 1939-71. All discharges are reported in cubic feet per second (ft^3/s) and are mean values for daily, monthly, annual, and other designated time intervals. No attempt has been made to adjust the records for different locations, to appraise the effects of changing demands and diversions, to assign any overall accuracy value to the records, or to make any interpretations of the daily or monthly values.

SUMMARY 1 is a tabulation of the lowest mean discharge for consecutive periods of flow within each climatic year (April 1 through March 31). Values for 1, 3, 7, 14, 30, 60, 90, 120, and 183 days and the entire year are shown. Each mean discharge is ranked according to ascending magnitude.

SUMMARY 2 is a tabulation of the highest mean discharge for time intervals similar to summary 1 calculated on a water-year basis (October 1 through September 30). Each mean discharge is ranked according to descending magnitude.

SUMMARY 3 is a duration table based on the information collected during 1939-71. The daily discharges are grouped in a maximum of 34 class intervals according to magnitude. The table shows the minimum discharge for each class interval, the number of days within each class interval, and the number of days and percentage of time a given discharge was equaled or exceeded. This summary combines all the daily discharges into one cumulative frequency tabulation without considering the sequence of occurrence.

SUMMARY 4 illustrates the distribution of flow during each year by showing the number of days that the flow was within each class interval.

SUMMARY 5 gives the mean monthly discharge for each complete water year of record within the selected timespan. These values are expressed in scientific notation. The value must be multiplied by 10 raised to the power indicated by the integer value following the letter E. For example, the October 1971 mean monthly discharge for station 09234500 (p. 7) is 0.960E03 or 0.960 x $(10)^3$ or 960.

SUMMARY 6 lists the several statistical characteristics according to month in scientific notation. First, the mean monthly flow within the selected time period is given. Then the variance, standard deviation, skewness, coefficient of variation, and last the percentage of the annual flow that occurred during that month.

SUMMARY 7 gives the correlation coefficients for selected mean monthly discharges. A perfect correlation of the flows is represented by a value of 1.00. The discharge for each month is compared to the flows of 1, 2, and 12 months in the future. For instance, all the November discharges are compared with the following December, January, and November values.

The matrix table shows the correlation coefficients for the flows of 1 and 2 months in the future. The output format does not permit the entire matrix to be shown in one table. The correlations of the data for August-October, September-October, and September-November are shown directly under the main table. A single asterisk (*) indicates that no correlation coefficient has been calculated. When more than one asterisk appears, the correlation coefficient is greater than 0.9995 or less than -0.9995.

The correlations of the flows 12 months in the future are the last statistics that have been calculated for each site.

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES

09234500 Green River near Greendale, Utah

LOCATION.--Lat 40°54'30", long 109°25'20", in NW¼SE¼ sec.15, T.2 N., R.22 E., Daggett County, Ashley National Forest, on right bank 0.5 mile (0.8 km) downstream from Flaming Gorge Dam, 2 miles (3 km) south of Dutch John, 4 miles (6 km) northeast of Greendale, 13 miles (21 km) southeast of Linwood, and 407.0 miles (654.9 km) from mouth.

DRAINAGE AREA.--15,100 sq mi (39,110 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 5,594.48 ft (1,705.20 m) above mean sea level. Prior to Sept. 2, 1959, water-stage recorder at site 2.2 miles (3.5 km) upstream at different datum.

EXTREMES.--Maximum discharge, 19,600 ft^3/s (555 m^3/s) June 12, 1957 (gage height, 10.60 ft or 3.231 m, site and datum then in use); minimum, 2.3 ft^3/s (0.065 m^3/s) Mar. 20, 22, 27, 28, 1963 (regulated).

REMARKS.--Transbasin diversions and diversions for irrigation above station. Flow completely regulated by Flaming Gorge Reservoir 0.5 mile (0.8 km) upstream, since Nov. 1, 1962.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1952	450.00	18	497.00	16	580.00	16	719.00	16	788.00	16	812.00	15	830.00	15	854.00	14	1030.00	15	3160.00	21
1953	365.00	11	367.00	11	376.00	7	404.00	8	486.00	10	578.00	10	642.00	11	684.00	10	771.00	10	2960.00	20
1954	330.00	7	363.00	10	389.00	9	412.00	10	435.00	7	468.00	7	523.00	7	560.00	7	607.00	6	1710.00	8
1955	230.00	3	255.00	3	292.00	3	308.00	3	322.00	3	355.00	3	383.00	3	442.00	3	528.00	3	1670.00	7
1956	250.00	4	329.00	5	381.00	8	510.00	13	564.00	11	598.00	11	607.00	10	634.00	9	680.00	8	1600.00	6
1957	340.00	8	354.00	8	400.00	11	400.00	7	400.00	4	430.00	4	458.00	5	549.00	5	641.00	7	2470.00	15
1958	390.00	14	397.00	13	447.00	13	463.00	11	639.00	13	664.00	12	712.00	12	799.00	12	944.00	13	2810.00	19
1959	275.00	5	300.00	4	321.00	4	366.00	4	440.00	8	492.00	9	540.00	8	553.00	6	582.00	4	1760.00	10
1960	330.00	6	350.00	6	357.00	5	384.00	5	412.00	5	456.00	6	497.00	6	566.00	8	736.00	9	1740.00	9
1961	350.00	9	350.00	7	376.00	6	389.00	6	424.00	6	433.00	5	454.00	4	527.00	4	607.00	5	1220.00	2
1962	350.00	10	357.00	9	406.00	12	509.00	12	653.00	14	693.00	13	755.00	13	811.00	13	828.00	11	1300.00	3
1963	40.00	1	40.00	1	56.90	1	66.50	1	75.30	1	176.00	2	240.00	2	294.00	2	347.00	2	2490.00	16
1964	80.00	2	86.00	2	92.10	2	94.60	2	97.60	2	100.00	1	104.00	1	109.00	1	117.00	1	366.00	1
1965	369.00	12	498.00	17	553.00	14	574.00	14	587.00	12	1030.00	16	1170.00	16	1480.00	16	1700.00	16	2440.00	14
1966	376.00	13	381.00	12	390.00	10	410.00	9	456.00	9	474.00	8	541.00	9	732.00	11	914.00	12	1360.00	5
1967	447.00	17	663.00	19	727.00	19	854.00	18	1060.00	17	1410.00	19	1540.00	19	1630.00	18	1730.00	17	1770.00	11
1968	451.00	19	455.00	15	704.00	18	790.00	17	1100.00	19	1670.00	20	2120.00	21	2360.00	21	2590.00	21	2600.00	18
1969	724.00	20	830.00	21	868.00	20	902.00	20	1490.00	21	1740.00	21	1710.00	20	2100.00	20	2450.00	20	2590.00	17
1970	404.00	21	823.00	20	877.00	21	942.00	21	1080.00	18	1290.00	17	1460.00	17	1890.00	19	1980.00	19	2320.00	13
1971	422.00	15	448.00	14	556.00	15	622.00	15	721.00	15	742.00	14	820.00	14	939.00	15	982.00	14	1350.00	4
1972	436.00	16	642.00	18	690.00	17	857.00	19	1140.00	20	1400.00	18	1490.00	18	1590.00	17	1850.00	18	2210.00	12

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1951	16900.0	2	16800.0	2	15700.0	2	12900.0	3	11100.0	3	9070.0	3	7830.0	2	6880.0	2	5360.0	1	3230.0	1
1952	14700.0	4	14500.0	4	13500.0	4	11800.0	4	10000.0	4	9650.0	1	8300.0	1	6960.0	1	5120.0	2	3070.0	2
1953	13400.0	5	13300.0	5	12900.0	5	10900.0	5	7880.0	7	5420.0	7	4250.0	8	3650.0	9	2830.0	11	1780.0	13
1954	10800.0	9	10300.0	9	9280.0	9	7580.0	9	5480.0	9	5130.0	8	4360.0	7	3740.0	7	2840.0	10	1730.0	14
1955	7000.0	10	6900.0	10	6620.0	10	5880.0	10	4920.0	10	3970.0	10	3290.0	13	2900.0	15	2250.0	15	1380.0	18
1956	16400.0	3	15500.0	3	14200.0	3	14000.0	2	12100.0	1	8280.0	4	6840.0	5	5960.0	5	4520.0	5	2610.0	7
1957	19200.0	1	18600.0	1	17900.0	1	15400.0	1	12000.0	2	9270.0	2	7780.0	3	6360.0	4	4660.0	4	2680.0	5
1958	12600.0	7	12500.0	6	12100.0	6	10500.0	6	8520.0	5	6050.0	6	4820.0	6	3960.0	6	2960.0	7	1910.0	11
1959	10800.0	8	10500.0	8	9840.0	8	8840.0	8	7000.0	8	4550.0	9	3640.0	10	3160.0	11	2510.0	14	1570.0	16
1960	6010.0	11	5690.0	11	5280.0	11	4580.0	11	3640.0	15	2860.0	16	2880.0	16	2720.0	16	2070.0	16	1370.0	19
1961	4590.0	13	4490.0	12	4410.0	13	4030.0	15	3420.0	17	2340.0	19	1930.0	20	1770.0	21	1410.0	21	1030.0	21
1962	12900.0	6	11600.0	7	10300.0	7	9660.0	7	8370.0	6	7290.0	5	6890.0	4	6650.0	3	4950.0	3	2920.0	3
1963	818.0	22	815.0	22	809.0	22	799.0	22	780.0	22	445.0	22	380.0	22	378.0	22	344.0	22	231.0	22
1964	3570.0	19	3540.0	19	3320.0	19	2810.0	19	2550.0	19	2260.0	20	2220.0	19	2030.0	19	1700.0	20	1150.0	20
1965	4260.0	15	4140.0	15	4070.0	15	4040.0	14	4000.0	13	3800.0	12	3800.0	9	3680.0	8	3340.0	6	2230.0	9
1966	2930.0	20	2750.0	20	2740.0	20	2640.0	20	2490.0	21	2000.0	21	1900.0	21	1830.0	20	1800.0	19	1630.0	15
1967	3780.0	17	3740.0	17	3670.0	17	3570.0	17	3440.0	16	3150.0	15	3070.0	15	3050.0	14	2590.0	13	2160.0	10
1968	3940.0	16	3920.0	16	3910.0	16	3770.0	16	3650.0	14	3260.0	14	3200.0	14	3070.0	13	2600.0	12	2530.0	8
1969	4480.0	14	4480.0	13	4430.0	12	4250.0	13	4080.0	12	3810.0	11	3400.0	11	3160.0	12	2900.0	8	2690.0	4
1970	3650.0	18	3590.0	18	3490.0	18	3420.0	18	3200.0	18	2740.0	17	2530.0	17	2300.0	17	1980.0	17	1850.0	12
1971	2770.0	21	2680.0	21	2620.0	21	2540.0	21	2520.0	20	2380.0	18	2220.0	18	2090.0	18	1850.0	18	1420.0	17
1972	4590.0	12	4420.0	14	4330.0	14	4290.0	12	4110.0	11	3610.0	13	3390.0	12	3230.0	10	2860.0	9	2670.0	6

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	8036	100.0	9	180.00	9	7746	96.4	18	940.0	493	5163	64.2	27	5000	139	499	6.2
1	40.00	3	8036	100.0	10	210.00	6	7737	96.3	19	1100.0	730	4670	58.1	28	6100	107	360	4.4
2	49.00	0	8033	100.0	11	260.00	9	7731	96.2	20	1400.0	378	3940	49.0	29	7300	85	253	3.1
3	58.00	2	8033	100.0	12	310.00	102	7722	96.1	21	1600.0	699	3562	44.3	30	8800	83	168	2.0
4	70.00	25	8031	99.9	13	370.00	281	7620	94.8	22	2000.0	626	2863	35.6	31	11000	41	85	1.0
5	84.00	58	8006	99.6	14	450.00	371	7339	91.3	23	2400.0	668	2237	27.8	32	13000	26	44	.5
6	100.00	85	7948	98.9	15	540.00	479	6968	86.7	24	2900.0	493	1569	19.5	33	15000	17	18	.2
7	120.00	96	7863	97.8	16	650.00	586	6489	80.7	25	3500.0	411	1076	13.4	34	19000	1	1	.0
8	150.00	21	7767	96.7	17	780.00	740	5903	73.5	26	4200.0	166	665	8.3					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09234500 Green River near Greendale, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
YEAR	NUMBER OF DAYS IN CLASS																																			FT^3/S DAYS
1951												1	11	7	8	22	26	96	13	12	15	20	14	20	20	25	20	11	8	5	6	5				1177483.0
1952													2	3	13	88	34	41	30	14	24	12	9	7	7	14	17	16	18	11	6					1122025.0
1953												2	11	14	22	49	85	13	37	24	34	11	14	11	9	8	5	1	4	3	4	4				649475.0
1954												2	24	52	30	44	38	23	23	13	22	17	13	13	19	7	7	5	6	7						630546.0
1955											2	2	38	36	29	23	65	14	13	22	16	29	20	16	9	6	8	10	7							505332.0
1956											1		1	10	8	55	53	41	16	20	12	7	12	25	24	18	14	15	5	2	7	9	7	4			955334.0
1957													3	37	36	17	27	13	34	54	12	27	8	4	8	9	7	14	17	15	10	1	3	8	1		977178.0
1958														6	11	24	43	69	26	71	22	13	12	7	19	4	4	9	10	3	4	8					697044.0
1959												3	9	7	35	80	28	28	8	18	36	42	35	6	3	2	2	2	6	8	7						574468.0
1960													6	13	55	53	38	22	32	28	21	29	14	12	10	14	11	8									503167.0
1961													3	32	44	55	43	54	38	42	8	13	8	4	5	9	7										376812.0
1962													2	3	4	27	41	62	46	18	9	9	8	8	9	3	25	30	19	20	19	3					1065381.0
1963		1		2	25	57	79	75	17		1		24	23	28		14	17																			84418.0
1964						1	6	21	4	9	2	4	12	9	3	58	10	42	45	26	8	39	34	20	10	3											422549.0
1965														56	18	9	10	9	7	20	6	15	34	45	42	92	2										812772.0
1966														2	10		16	19	18	69	39	93	57	41	1												596282.0
1967														2	6	6	6	10	14	32	24	66	50	59	66	24											789311.0
1968																1	6	30	11	12	5	22	42	96	83	58											924813.0
1969																	3	11	18	1	29	73108	34	72	16												982864.0
1970														5	2	2	7	28	23	28	41	80	75	44	22	8											674128.0
1971														4	3	7	61	41	43	34	24	72	33	43													516764.0
1972																	4	5	12	21	14	32	44	71101	34	28											977230.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1952	0.161E+04	0.954E+03	0.877E+03	0.804E+03	0.908E+03	0.103E+04	0.532E+04	0.961E+04	0.929E+04	0.331E+04	0.196E+04	0.112E+04
1953	0.805E+03	0.621E+03	0.553E+03	0.775E+03	0.868E+03	0.119E+04	0.161E+04	0.175E+04	0.758E+04	0.321E+04	0.171E+04	0.720E+03
1954	0.573E+03	0.702E+03	0.513E+03	0.454E+03	0.703E+03	0.100E+04	0.169E+04	0.487E+04	0.373E+04	0.431E+04	0.131E+04	0.762E+03
1955	0.693E+03	0.686E+03	0.323E+03	0.391E+03	0.443E+03	0.709E+03	0.179E+04	0.269E+04	0.482E+04	0.211E+04	0.130E+04	0.643E+03
1956	0.615E+03	0.609E+03	0.739E+03	0.814E+03	0.652E+03	0.243E+04	0.341E+04	0.595E+04	0.103E+05	0.334E+04	0.170E+04	0.806E+03
1957	0.746E+03	0.649E+03	0.416E+03	0.453E+03	0.774E+03	0.107E+04	0.145E+04	0.442E+04	0.114E+05	0.700E+04	0.231E+04	0.138E+04
1958	0.125E+04	0.958E+03	0.743E+03	0.706E+03	0.992E+03	0.107E+04	0.226E+04	0.628E+04	0.563E+04	0.141E+04	0.934E+03	0.659E+03
1959	0.586E+03	0.573E+03	0.618E+03	0.476E+03	0.571E+03	0.106E+04	0.166E+04	0.184E+04	0.616E+04	0.287E+04	0.151E+04	0.965E+03
1960	0.110E+04	0.851E+03	0.607E+03	0.426E+03	0.500E+03	0.242E+04	0.236E+04	0.206E+04	0.364E+04	0.126E+04	0.700E+03	0.586E+03
1961	0.795E+03	0.908E+03	0.435E+03	0.440E+03	0.489E+03	0.103E+04	0.127E+04	0.128E+04	0.323E+04	0.909E+03	0.698E+03	0.918E+03
1962	0.104E+04	0.907E+03	0.720E+03	0.697E+03	0.150E+04	0.243E+04	0.629E+04	0.642E+04	0.766E+04	0.484E+04	0.178E+04	0.739E+03
1963	0.777E+03	0.900E+02	0.268E+03	0.367E+03	0.467E+03	0.106E+03	0.134E+03	0.130E+03	0.125E+03	0.104E+03	0.102E+03	0.113E+03
1964	0.128E+03	0.312E+03	0.743E+03	0.949E+03	0.966E+03	0.599E+03	0.587E+03	0.148E+04	0.145E+04	0.244E+04	0.199E+04	0.220E+04
1965	0.258E+04	0.234E+04	0.315E+04	0.351E+04	0.384E+04	0.378E+04	0.342E+04	0.108E+04	0.144E+04	0.474E+03	0.497E+03	0.734E+03
1966	0.128E+04	0.202E+04	0.188E+04	0.116E+04	0.129E+04	0.115E+04	0.218E+04	0.135E+04	0.159E+04	0.170E+04	0.132E+04	0.208E+04
1967	0.201E+04	0.143E+04	0.181E+04	0.231E+04	0.173E+04	0.108E+04	0.143E+04	0.198E+04	0.327E+04	0.278E+04	0.306E+04	0.303E+04
1968	0.306E+04	0.291E+04	0.320E+04	0.304E+04	0.214E+04	0.123E+04	0.161E+04	0.193E+04	0.163E+04	0.322E+04	0.325E+04	0.304E+04
1969	0.228E+04	0.231E+04	0.223E+04	0.297E+04	0.395E+04	0.270E+04	0.252E+04	0.310E+04	0.182E+04	0.257E+04	0.315E+04	0.277E+04
1970	0.210E+04	0.217E+04	0.318E+04	0.164E+04	0.140E+04	0.132E+04	0.183E+04	0.105E+04	0.147E+04	0.194E+04	0.207E+04	0.196E+04
1971	0.960E+03	0.111E+04	0.130E+04	0.903E+03	0.773E+03	0.781E+03	0.135E+04	0.146E+04	0.167E+04	0.190E+04	0.245E+04	0.228E+04

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1250E+04	0.1156E+04	0.1216E+04	0.1164E+04	0.1248E+04	0.1410E+04	0.2208E+04	0.3036E+04	0.4395E+04	0.2584E+04	0.1720E+04	0.1375E+04
0.6035E+06	0.6020E+06	0.1002E+07	0.9756E+06	0.1027E+07	0.7750E+06	0.2141E+07	0.5920E+07	0.1111E+08	0.2526E+07	0.7662E+06	0.8115E+06
0.7769E+03	0.7759E+03	0.1001E+04	0.9877E+03	0.1013E+04	0.8803E+03	0.1463E+04	0.2433E+04	0.3333E+04	0.1589E+04	0.8753E+03	0.9008E+03
0.9526E+00	0.9521E+00	0.1174E+01	0.1443E+01	0.1974E+01	0.1282E+01	0.1590E+01	0.1320E+01	0.7967E+00	0.1006E+01	0.6608E-01	0.7182E+00
0.6216E+00	0.6712E+00	0.8233E+00	0.8484E+00	0.8119E+00	0.6243E+00	0.6627E+00	0.8015E+00	0.7583E+00	0.6150E+00	0.5090E+00	0.6552E+00
0.5491E+01	0.5078E+01	0.5342E+01	0.5114E+01	0.5484E+01	0.6195E+01	0.9701E+01	0.1334E+02	0.1931E+02	0.1135E+02	0.7555E+01	0.6040E+01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09234500 Green River near Greendale, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.913	0.888	*	*	*	*	*	*	*	*	*
*	1.000	0.940	0.860	*	*	*	*	*	*	*	*
*	*	1.000	0.890	0.756	*	*	*	*	*	*	*
*	*	*	1.000	0.918	0.538	*	*	*	*	*	*
*	*	*	*	1.000	0.679	0.246	*	*	*	*	*
*	*	*	*	*	1.000	0.574	0.120	*	*	*	*
*	*	*	*	*	*	1.000	0.721	0.473	*	*	*
*	*	*	*	*	*	*	1.000	0.720	0.515	*	*
*	*	*	*	*	*	*	*	1.000	0.701	0.050	*
*	*	*	*	*	*	*	*	*	1.000	0.498	0.128
*	*	*	*	*	*	*	*	*	*	1.000	0.882
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT.NOV)AND (SEPT.AUG) OF SAME CAL YEAR
AUG -OCT 0.716
SEPT-OCT 0.909
SEPT-NOV 0.841

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.400	0.586	0.584	0.532	0.275	-0.309	-0.381	-0.040	0.560	-0.135	0.366	0.606

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09235600 Pot Creek above diversions, near Vernal, Utah

LOCATION.--Lat 40°46'05", long 109°19'06", in NE¼ sec.3, T.1 S., R.23 E., Uintah County, on left bank 0.3 mile (0.5 km) upstream from Matt Warner Reservoir and 27 miles (43 km) northeast of Vernal.

DRAINAGE AREA.--25 sq mi (65 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,550 ft (2,301 m) from topographic map. Prior to Aug. 26, 1965, at site 0.2 mile (0.3 km) downstream at different datum.

EXTREMES.--Maximum discharge recorded, 235 ft^3/s (6.66 m^3/s) Apr. 2, 1961 (gage height, 3.82 ft or 1.164 m) site and datum then in use); maximum gage height recorded, 4.57 ft (1.393 m) Apr. 11, 1969 (backwater from ice); no flow for part of each year.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1959	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	2.32	7
1960	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	1.76	4
1961	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	1.53	2
1962	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.01	9	0.05	8	1.92	5
1963	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	4	0.00	4	7.74	14
1964	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	5	0.00	5	0.40	1
1965	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	6	0.00	6	1.54	3
1966	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.01	12	0.21	14	0.32	14	5.62	13
1967	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	8	0.02	10	0.09	9	1.92	6
1968	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	9	0.00	7	0.01	7	2.35	8
1969	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	10	0.01	8	0.10	10	5.06	11
1970	0.00	12	0.00	12	0.00	12	0.00	12	0.00	12	0.01	14	0.02	13	0.09	11	0.30	13	3.86	9
1971	0.00	13	0.00	13	0.00	13	0.00	13	0.00	13	0.00	12	0.00	11	0.09	12	0.16	11	3.98	10
1972	0.00	14	0.00	14	0.00	14	0.00	14	0.00	14	0.00	13	0.05	14	0.18	13	0.20	12	5.45	12

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1958	60.0	6	53.7	6	39.6	5	24.0	7	21.1	6	14.0	7	9.4	8	7.0	9	4.6	9	2.3	9
1959	25.0	13	21.3	12	15.7	14	14.9	13	12.5	12	9.4	12	6.6	12	5.1	12	3.4	12	1.7	12
1960	39.0	9	30.7	9	24.6	10	16.7	10	10.2	14	8.4	14	6.0	14	4.5	14	3.0	14	1.5	13
1961	98.0	3	61.7	4	31.7	8	16.6	11	12.6	11	10.4	11	7.8	11	5.9	11	3.9	11	1.9	11
1962	140.0	1	140.0	1	131.0	1	107.0	1	73.0	1	44.9	1	31.2	1	23.4	1	15.4	1	7.7	1
1963	10.0	15	7.1	15	5.7	15	4.6	15	3.4	15	2.8	15	2.0	15	1.6	15	1.0	15	0.5	15
1964	26.0	11	19.0	14	18.3	12	15.9	12	13.4	10	9.0	13	6.2	13	4.7	13	3.1	13	1.5	14
1965	99.0	2	68.0	2	49.3	4	36.3	4	34.2	3	30.4	2	21.2	2	16.2	2	10.6	2	5.3	2
1966	26.0	12	23.7	11	22.0	11	18.3	9	15.4	8	11.6	8	8.1	10	6.1	10	4.0	10	2.2	10
1967	27.0	10	25.0	10	24.6	9	19.2	8	14.5	9	11.4	9	9.3	9	7.2	8	4.7	8	2.4	8
1968	62.0	5	59.0	5	53.4	2	48.4	2	42.0	2	29.9	3	20.1	3	15.2	3	10.0	3	5.0	3
1969	68.0	4	64.7	3	51.0	3	37.8	3	31.8	4	19.3	5	14.4	6	11.0	6	7.3	6	3.7	6
1970	41.0	8	39.0	8	34.3	7	25.6	6	20.2	7	18.2	6	15.1	5	11.6	5	7.7	5	4.0	5
1971	50.0	7	43.3	7	37.3	6	29.7	5	29.0	5	22.2	4	17.8	4	13.6	4	8.9	4	4.6	4
1972	22.0	14	19.3	13	16.6	13	14.8	14	12.4	13	11.4	10	10.7	7	8.7	7	5.7	7	3.0	7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	3113	5479	100.0	9	0.30	113	1737	31.7	18	4.3	100	888	16.2	27	59	17	31	.5
1	0.01	25	2366	43.2	10	0.40	149	1624	29.6	19	5.8	100	788	14.4	28	78	4	14	.2
2	0.02	26	2341	42.7	11	0.60	99	1475	26.9	20	7.8	148	688	12.6	29	100	5	10	.1
3	0.03	30	2315	42.3	12	0.80	62	1376	25.1	21	10.0	145	540	9.9	30	140	5	5	.0
4	0.04	31	2285	41.7	13	1.00	103	1314	24.0	22	14.0	88	395	7.2	31				
5	0.05	45	2254	41.1	14	1.40	68	1211	22.1	23	18.0	110	307	5.6	32				
6	0.07	28	2209	40.3	15	1.80	87	1143	20.9	24	25.0	86	197	3.6	33				
7	0.10	284	2181	39.8	16	2.40	91	1056	19.3	25	33.0	57	111	2.0	34				
8	0.20	160	1897	34.6	17	3.30	77	965	17.6	26	44.0	23	54	1.0					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1958	287								2	3	12	2	1	1	1	4	1	3	2	5	1	6	5	18	2	3	3	2	1							845.2
1959	278								3	1	1	2	1	2	3	1	5	4	6	14	9	15	10	1	8	1										616.0
1960	280								2	1	1	1	5	3	1	3	6	15	8	5	9	15	3	1	5		2									540.1
1961	269								1	3	1	2	1	1	2	2	8	11	12	10	13	16	5	3	2		1		1	1						706.8
1962	237								16	4	3	3	2	1	10	7	2	3	4	9	2	7	11	3	3	15	3	2	6	2	5	5				2823.8
1963	235								43	5	1	13	2	4	11	11	14	5	11	5	4		1													191.2
1964	289								1	1		3	1	1	1	2	8	11	3	7	9	5	10	7	6	1										562.1
1965	228								9	9	7	7	6	7	9	4	4	3	3	4	2	4	4	4	17	9	17	4	3	1						1946.4
1966	182								12	18	20	15	14	8	17	7	7	10	4	2	4	13	14	5	12	1										786.5
1967	176								28	23	13	15	7	6	6	2	2	4	4	18	12	18	16	7	5	3										878.4
1968	155	11	7	16	13	24	12	40	7	2	4	6		5	5	2	2	2	2	4	2	2	1	3	8	16	12	3								1828.5
1969	131	2	2	2		7	1	42	38	15	24	8	3	5	7	8	6	6	5	7	4	5	4	7	19	2	2	3								1353.6
1970	101	8	9	10	15	8	3	23	10	8	22	10	11	24	10	9	5	4	5	7	8	11	8	18	13	5										1451.5
1971	142	2	3	1		1	2	46	17	11	16	17	8	1	2	5	3	1	3	4	10	17	14	17	13	8	1									1663.3
1972	123	2	5	1	3	5	10	16	20	18	20	18	6	7	1	6	6	7	6	13	25	31	12	5												1082.0

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09235600 Pot Creek above diversions, near Vernal, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	0.0	0.900E-01	0.0	0.0	0.0	0.0	0.123E+02	0.145E+02	0.757E+00	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.194E+00	0.125E+02	0.632E+01	0.108E+01	0.245E+00	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.113E+01	0.960E+01	0.640E+01	0.623E+00	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.167E+01	0.125E+02	0.815E+01	0.950E+00	0.0	0.0	0.0
1962	0.290E+00	0.167E-01	0.0	0.0	0.179E+00	0.968E+00	0.695E+02	0.199E+02	0.262E+01	0.323E-02	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.125E+00	0.137E+01	0.202E+01	0.256E+01	0.183E+00	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.191E+01	0.132E+02	0.321E+01	0.323E-02	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.542E+01	0.313E+02	0.247E+02	0.169E+01	0.500E+00	0.167E+00
1966	0.323E+00	0.970E+00	0.581E+00	0.0	0.0	0.155E+01	0.149E+02	0.645E+01	0.710E+00	0.0	0.0	0.0
1967	0.129E+00	0.237E+00	0.181E+00	0.0	0.0	0.123E+00	0.744E+01	0.121E+02	0.812E+01	0.555E+00	0.645E-02	0.0
1968	0.116E-01	0.513E-01	0.258E-02	0.0	0.0	0.0	0.102E+00	0.393E+02	0.193E+02	0.296E+00	0.465E+00	0.830E-01
1969	0.214E+00	0.343E+00	0.610E-01	0.0	0.0	0.0	0.179E+02	0.192E+02	0.499E+01	0.645E+00	0.711E+00	0.327E+00
1970	0.898E+00	0.493E+00	0.187E-01	0.0	0.479E-01	0.910E+00	0.106E+02	0.180E+02	0.163E+02	0.532E+00	0.106E-01	0.160E-01
1971	0.175E+00	0.446E+00	0.315E+00	0.0	0.0	0.142E+01	0.119E+02	0.249E+02	0.148E+02	0.471E+00	0.0	0.527E-01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1457E+00	0.1890E+00	0.8279E-01	0.0		0.2510E-01	0.6670E+00	0.1347E+02	0.1540E+02	0.7022E+01	0.3170E+00	0.1209E+00	0.4610E-01
0.6081E-01	0.8208E-01	0.2903E-01	0.0		0.3152E-02	0.4588E+00	0.2870E+03	0.1046E+03	0.6819E+02	0.2166E+00	0.5899E-01	0.8837E-02
0.2466E+00	0.2865E+00	0.1704E+00	0.0		0.5615E-01	0.6773E+00	0.1694E+02	0.1047E+02	0.8258E+01	0.4654E+00	0.2429E+00	0.9400E-01
0.2457E+01	0.1816E+01	0.2387E+01		*****	0.2256E+01	0.2527E+00	0.3128E+01	0.9332E+00	0.1107E+01	0.2147E+01	0.1764E+01	0.2491E+01
0.1692E+01	0.1516E+01	0.2058E+01		*****	0.2237E+01	0.1016E+01	0.1258E+01	0.6582E+00	0.1176E+01	0.1468E+01	0.2009E+01	0.2039E+01
0.3836E+00	0.4977E+00	0.2180E+00	0.0		0.6609E-01	0.1756E+01	0.3545E+02	0.4147E+02	0.1849E+02	0.8346E+00	0.3184E+00	0.1214E+00

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.606	0.232	*	*	*	*	*	*	*	*	*
*	1.000	0.879	*	*	*	*	*	*	*	*	*
*	*	1.000	*	-0.227	*	*	*	*	*	*	*
*	*	*	1.000	*	*	*	*	*	*	*	*
*	*	*	*	1.000	0.309	0.682	*	*	*	*	*
*	*	*	*	*	1.000	0.194	-0.431	*	*	*	*
*	*	*	*	*	*	1.000	0.013	-0.247	*	*	*
*	*	*	*	*	*	*	1.000	0.848	0.568	*	*
*	*	*	*	*	*	*	*	1.000	0.797	0.506	*
*	*	*	*	*	*	*	*	*	1.000	0.621	0.608
*	*	*	*	*	*	*	*	*	*	1.000	0.931
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.837
SEPT-OCT 0.925
SEPT-NOV 0.694

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.131	0.210	0.109	*	0.318	0.158	-0.126	-0.002	0.069	-0.145	0.161	0.033

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09235800 Pot Creek near Vernal, Utah

LOCATION.--Lat 40°40'25", long 109°03'03", in SW¼NE¼SE¼ sec.1, T.2 S., R.25 E., Daggett County, on left bank 0.2 mile (0.3 km) upstream from Utah-Colorado State line, 7 miles (11 km) upstream from mouth, and 29 miles (47 km) northeast of Vernal.

DRAINAGE AREA.--106 sq mi (275 km^2).

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,900 ft (2,103 m) from topographic map.

EXTREMES.--Maximum discharge, 286 ft^3/s (8.10 m^3/s) Apr. 7, 1962 (gage height, 3.85 ft or 1.173 m), from rating curve extended above 170 ft^3/s (4.81 m^3/s); maximum gage height, 3.99 ft (1.216 m) Mar. 15, 1966 (backwater from ice); no flow for part of each year.

REMARKS.--Flow regulated by Matt Warner and Crouse Reservoirs, 14 miles (23 km) and 7 miles (11 km) upstream, respectively, combined capacity, about 4,000 acre-ft (4.93 hm^3). Several diversions for irrigation above station, and one diversion to Crouse Creek, which diverts water to Crouse Creek basin.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1962	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.02	8	0.03	6	0.84	4
1963	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	1	0.00	1	9.51	11
1964	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	2	0.00	2	0.02	1
1965	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	3	0.00	3	0.20	2
1966	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.03	9	0.07	9	2.40	7
1967	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.04	10	0.06	10	0.24	10	1.49	6
1968	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	6	0.00	4	0.00	4	0.44	3
1969	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	7	0.00	5	0.05	7	3.86	10
1970	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	8	0.00	6	0.00	5	2.64	9
1971	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	9	0.01	7	0.07	8	1.37	5
1972	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.02	11	0.99	11	1.55	11	1.57	11	2.51	8

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1961	12.0	10	9.8	10	5.3	11	2.5	11	1.3	11	0.6	11	0.4	11	0.3	11	0.3	10	0.1	11
1962	198.0	1	181.0	1	157.0	1	133.0	1	96.0	1	60.5	1	41.0	1	31.1	1	20.4	1	10.2	1
1963	1.0	12	0.8	12	0.5	12	0.3	12	0.2	12	0.1	12	0.1	12	0.0	12	0.0	12	0.0	12
1964	11.0	11	11.0	9	7.5	10	3.5	10	1.8	10	1.0	10	0.7	10	0.5	10	0.3	11	0.2	10
1965	19.0	8	9.5	11	8.6	9	7.0	9	5.5	8	3.2	8	2.7	8	2.2	8	1.5	8	0.7	8
1966	65.0	3	58.0	3	41.6	3	34.9	3	25.8	4	14.8	4	10.5	4	8.3	3	5.7	3	3.0	3
1967	13.0	9	13.0	8	12.9	6	8.5	7	4.3	9	2.2	9	1.5	9	1.2	9	1.1	9	0.6	9
1968	45.0	5	42.0	4	34.9	4	33.5	4	29.3	2	17.6	2	12.5	2	9.9	2	7.6	2	3.8	2
1969	110.0	2	84.0	2	68.4	2	43.0	2	28.4	3	15.4	3	10.5	3	7.9	4	5.2	4	2.6	4
1970	43.0	6	23.3	6	12.6	7	9.3	6	7.1	6	3.7	6	3.3	6	3.3	5	2.4	6	1.2	6
1971	31.0	7	15.3	7	10.0	8	8.3	8	6.2	7	3.3	7	2.9	7	2.7	7	2.2	7	1.1	7
1972	50.0	4	42.0	5	26.5	5	17.8	5	9.8	5	5.1	5	4.3	5	3.3	6	3.2	5	1.8	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	2866	4383	100.0	9	0.30	70	1044	23.8	18	3.9	74	412	9.4	27	56	8	28	.6
1	0.01	40	1517	34.6	10	0.40	73	974	22.2	19	5.2	63	338	7.7	28	76	5	20	.4
2	0.02	43	1477	33.7	11	0.50	52	901	20.6	20	7.0	47	275	6.3	29	100	7	15	.3
3	0.03	9	1434	32.7	12	0.60	101	849	19.4	21	9.4	57	228	5.2	30	140	7	8	.1
4	0.04	26	1425	32.5	13	0.90	62	748	17.1	22	13.0	43	171	3.9	31	190	1	1	.0
5	0.06	29	1399	31.9	14	1.20	53	686	15.7	23	17.0	26	128	2.9	32				
6	0.08	28	1370	31.3	15	1.60	91	633	14.4	24	23.0	31	102	2.3	33				
7	0.10	171	1342	30.6	16	2.10	55	542	12.4	25	31.0	32	71	1.6	34				
8	0.20	127	1171	26.7	17	2.90	75	487	11.1	26	42.0	11	39	0.9					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1961	325							16	9	4	1		2	1			1		2	2		2														54.2
1962	248							3	12		2	5	2	3	1	7	7	5	8	2	4	3	5	3	12	9	3	3	4	6	7	1				3738.0
1963	347							6	4	3		1	2	2																						5.9
1964	334							8	12	1		1	3						2	1		4														63.1
1965	250							5	5	12	4	7	13	14	5	11	6	10	5	10	3	4		1												271.4
1966	178							8	1	5	9	8	18	16	15	29	11	16	10	9	5	2	3	4	12	2	2	2								1079.2
1967	231							20	17	12	21	2	17	4	3	14	4	5	3	2	1	3	6													234.3
1968	193	2	3		1	7	3	14	8	2	2	4	15	5	5	19	3	1	5	6	16	18	5	7	5	15	2									1398.6
1969	240	6	8	1	1		2	5	3	5	14	9	8	1	11	4	7	3	4	2	2	7	7	5	1	2	2	3	1	1						958.9
1970	215	5	7	1	5	3	2	18	17	8	6	3	6	2	1	1	1	15	23	11	5	6	2	1			1									441.1
1971	171	6	10	3	9	8	7	36	19	11	4	3	8	7	5	4	3	10	7	16	10	4	3			1										411.1
1972	134	21	15	4	10	11	14	32	20	7	10	9	7	7	7	2	12	10	5	2	1	4	12	5	1	3	1									640.5

09235800 Pot Creek near Vernal, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1963	0.0	0.0	0.0	0.323E-02	0.107E-01	0.226E-01	0.160E+00	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.258E-01	0.297E+00	0.171E+01	0.100E-01	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.355E+00	0.198E+01	0.100E+01	0.462E+01	0.961E+00	0.0	0.467E-01
1966	0.774E-01	0.273E+00	0.0	0.0	0.0	0.195E+02	0.755E+01	0.362E+01	0.124E+01	0.968E+00	0.130E+01	0.610E+00
1967	0.600E+00	0.600E-01	0.158E+00	0.0	0.0	0.178E+01	0.733E+00	0.516E-01	0.533E-01	0.952E+00	0.320E+01	0.0
1968	0.0	0.0	0.0	0.0	0.483E-01	0.164E+00	0.232E+01	0.195E+02	0.149E+02	0.0	0.403E+01	0.489E+01
1969	0.273E+00	0.667E-02	0.0	0.0	0.0	0.245E+00	0.283E+02	0.220E+01	0.756E+00	0.352E-01	0.0	0.0
1970	0.806E-02	0.0	0.0	0.0	0.0	0.674E+00	0.623E+00	0.301E+01	0.420E+01	0.0	0.413E+01	0.180E+01
1971	0.977E-01	0.603E-01	0.710E-02	0.0	0.0	0.247E+01	0.198E+01	0.261E+01	0.129E+00	0.541E+01	0.554E+00	0.867E-02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1173E+00	0.4448E-01	0.1845E-01	0.3584E-03	0.6554E-02	0.2802E+01	0.4889E+01	0.3740E+01	0.2881E+01	0.9247E+00	0.1469E+01	0.8171E+00
0.4077E-01	0.8024E-02	0.2750E-02	0.1154E-05	0.2573E-03	0.3986E+02	0.8249E+02	0.3630E+02	0.2364E+02	0.3038E+01	0.3270E+01	0.2687E+01
0.2019E+00	0.8957E-01	0.5244E-01	0.1075E-02	0.1604E-01	0.6314E+01	0.9083E+01	0.6025E+01	0.4862E+01	0.1743E+01	0.1808E+01	0.1639E+01
0.2116E+01	0.2571E+01	0.2989E+01	0.3000E+01	0.2753E+01	0.2898E+01	0.2684E+01	0.2752E+01	0.2305E+01	0.2615E+01	0.7465E+00	0.2379E+01
0.1721E+01	0.2014E+01	0.2858E+01	0.3000E+01	0.2447E+01	0.2253E+01	0.1858E+01	0.1611E+01	0.1688E+01	0.1885E+01	0.1231E+01	0.2006E+01
0.5626E+00	0.2512E+00	0.1036E+00	0.2024E-02	0.3701E-01	0.1582E+02	0.2760E+02	0.2112E+02	0.1627E+02	0.5221E+01	0.8295E+01	0.4614E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.124	0.899	*	*	*	*	*	*	*	*	*
*	1.000	0.068	-0.186	*	*	*	*	*	*	*	*
*	*	1.000	-0.131	-0.161	*	*	*	*	*	*	*
*	*	*	1.000	0.097	-0.165	*	*	*	*	*	*
*	*	*	*	1.000	-0.194	-0.150	*	*	*	*	*
*	*	*	*	*	1.000	0.084	-0.037	*	*	*	*
*	*	*	*	*	*	1.000	-0.046	-0.140	*	*	*
*	*	*	*	*	*	*	1.000	0.926	-0.148	*	*
*	*	*	*	*	*	*	*	1.000	-0.259	0.587	*
*	*	*	*	*	*	*	*	*	1.000	-0.195	-0.268
*	*	*	*	*	*	*	*	*	*	1.000	0.723
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.219
SEPT-OCT 0.359
SEPT-NOV-0.156

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.242	-0.010	-0.150	*	-0.176	-0.089	-0.191	-0.237	-0.344	-0.187	-0.064	-0.323

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09238500 Walton Creek near Steamboat Springs, Colo.

LOCATION.--Lat 40°25', long 106°46', in sec.11, T.5 N., R.84 W., at mouth of canyon 6 miles (10 km) southeast of Steamboat Springs.

DRAINAGE AREA.--38 sq mi (98 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,100 ft (2,164 m) from river-profile map.

EXTREMES.--1920-22: Maximum daily discharge, 2,800 ft^3/s (79.3 m^3/s) June 15, 1921; minimum daily, 4.5 ft^3/s (0.13 m^3/s) Oct. 29, Nov. 7, 8, 1921.

REMARKS.--Extent of diversions for irrigation not determined.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1967	4.50	1	4.57	1	4.79	1	5.69	1	6.06	1	7.61	1	8.73	1	8.78	1	9.52	1	50.60	1
1968	7.00	2	7.30	2	8.40	2	9.14	3	9.43	2	9.52	2	9.58	2	9.68	2	10.00	2	76.10	3
1969	8.30	4	8.40	3	8.57	3	9.07	2	9.59	3	9.93	3	10.20	3	10.60	3	12.10	4	86.50	4
1970	8.30	5	8.40	4	8.97	4	9.73	4	10.10	5	10.30	4	10.50	4	10.80	4	12.70	5	66.10	2
1971	7.70	3	9.00	6	9.57	6	9.79	5	10.10	6	10.50	6	11.20	6	11.70	6	14.10	6	97.50	5
1972	8.60	6	8.60	5	9.40	5	9.81	6	9.91	4	10.30	5	10.80	5	11.10	5	12.00	3	101.00	6

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1966	528.0	7	509.0	7	431.0	7	397.0	7	362.0	7	240.0	7	172.0	7	134.0	7	92.0	7	52.0	7
1967	770.0	5	743.0	5	696.0	5	681.0	4	584.0	5	381.0	5	271.0	5	210.0	5	142.0	5	76.4	5
1968	1020.0	1	976.0	1	955.0	1	871.0	1	726.0	1	431.0	3	307.0	3	237.0	3	160.0	3	85.3	3
1969	673.0	6	634.0	6	620.0	6	551.0	6	415.0	6	299.0	6	223.0	6	175.0	6	119.0	6	65.8	6
1970	790.0	4	768.0	4	729.0	4	643.0	5	633.0	3	480.0	2	347.0	2	267.0	2	180.0	2	96.8	2
1971	920.0	3	877.0	3	849.0	2	802.0	2	689.0	2	483.0	1	359.0	1	282.0	1	190.0	1	102.0	1
1972	970.0	2	887.0	2	808.0	3	786.0	3	620.0	4	389.0	4	277.0	4	214.0	4	146.0	4	78.8	4

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2557	100.0	9	17.00	153	1062	41.5	18	72.0	40	492	19.2	27	310	26	219	8.5
1	4.50	9	2557	100.0	10	19.00	103	909	35.5	19	84.0	36	452	17.7	28	370	27	193	7.5
2	5.30	16	2548	99.6	11	23.00	56	806	31.5	20	99.0	38	416	16.3	29	430	33	166	6.4
3	6.20	14	2532	99.0	12	27.00	70	750	29.3	21	120.0	26	378	14.8	30	510	30	133	5.2
4	7.30	71	2518	98.5	13	32.00	48	680	26.6	22	140.0	22	352	13.8	31	600	40	103	4.0
5	8.60	234	2447	95.7	14	37.00	47	632	24.7	23	160.0	34	330	12.9	32	700	39	63	2.4
6	10.00	535	2213	86.5	15	44.00	24	585	22.9	24	190.0	26	296	11.6	33	830	21	24	.9
7	12.00	385	1678	65.6	16	52.00	31	561	21.9	25	220.0	23	270	10.6	34	970	3	3	.1
8	14.00	231	1293	50.6	17	61.00	38	530	20.7	26	260.0	28	247	9.7					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1966	9 16 10 18 7 59 58 42 40 5 4 7 14 12 3 4 1 6 5 3 3 3 4 4 2 4 5 9 6 2	18993.0
1967	4 32107 29 32 17 13 9 14 19 7 6 4 6 5 3 5 5 3 1 3 2 2 4 1 4 9 5 5 9	27899.5
1968	11 70 96 23 31 16 13 5 11 3 7 3 1 7 9 8 6 5 3 3 3 1 1 3 2 3 5 4 11 2	31205.5
1969	4 28 93 71 21 11 18 8 12 7 4 2 5 6 5 7 5 2 3 12 8 5 8 6 2 5 7	24017.4
1970	1 97 60 51 22 20 7 6 4 7 6 4 4 3 4 3 5 5 2 2 5 4 2 2 2 9 8 12 10	35328.7
1971	1 6 81 56 36 34 22 11 6 3 3 2 2 10 10 2 8 5 5 8 3 6 5 6 2 6 5 8 6 7	37310.1
1972	5 15 80 85 33 17 16 7 9 10 8 4 9 5 4 5 8 3 2 2 1 3 4 3 6 3 2 3 10 3 1	28843.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	0.158E+02	0.898E+01	0.889E+01	0.904E+01	0.859E+01	0.105E+02	0.299E+02	0.260E+03	0.472E+03	0.675E+02	0.137E+02	0.126E+02
1968	0.111E+02	0.101E+02	0.100E+02	0.952E+01	0.963E+01	0.103E+02	0.165E+02	0.133E+03	0.711E+03	0.728E+02	0.244E+02	0.135E+02
1969	0.175E+02	0.128E+02	0.117E+02	0.104E+02	0.102E+02	0.980E+01	0.464E+02	0.377E+03	0.211E+03	0.513E+02	0.149E+02	0.108E+02
1970	0.177E+02	0.152E+02	0.119E+02	0.108E+02	0.105E+02	0.102E+02	0.202E+02	0.300E+03	0.608E+03	0.121E+03	0.192E+02	0.167E+02
1971	0.206E+02	0.170E+02	0.132E+02	0.120E+02	0.109E+02	0.110E+02	0.627E+02	0.263E+03	0.670E+03	0.120E+03	0.155E+02	0.142E+02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09238500 Walton Creek near Steamboat Springs, Colo.--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1655E+02	0.1281E+02	0.1115E+02	0.1045E+02	0.9942E+01	0.1036E+02	0.3515E+02	0.2667E+03	0.5344E+03	0.8647E+02	0.1752E+02	0.1356E+02
0.1217E+02	0.1135E+02	0.2846E+01	0.1355E+01	0.7704E+00	0.1852E+00	0.3715E+03	0.7830E+04	0.4075E+05	0.1021E+04	0.1875E+02	0.4634E+01
0.3486E+01	0.3370E+01	0.1687E+01	0.1164E+01	0.8777E+00	0.4304E+00	0.1927E+02	0.8849E+02	0.2019E+03	0.3195E+02	0.4330E+01	0.2154E+01
-0.3027E+00	0.1145E+00	-0.3166E+00	0.1267E+00	-0.9803E+00	0.2337E+00	0.7190E+00	-0.6010E+00	-0.1298E+01	0.3191E+00	0.1233E+01	0.3713E+00
0.2107E+00	0.3630E+00	0.1513E+00	0.1114E+00	0.8829E-01	0.4153E-01	0.5484E+00	0.3319E+00	0.3777E+00	0.3695E+00	0.2471E+00	0.1584E+00
0.1615E+01	0.1250E+01	0.1098E+01	0.1019E+01	0.8699E+00	0.1011E+01	0.3429E+01	0.2601E+02	0.5214E+02	0.8436E+01	0.1710E+01	0.1323E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.800	0.743	*	*	*	*	*	*	*	*	*
*	1.000	0.969	0.964	*	*	*	*	*	*	*	*
*	*	1.000	0.990	0.977	*	*	*	*	*	*	*
*	*	*	1.000	0.938	0.236	*	*	*	*	*	*
*	*	*	*	1.000	0.081	0.489	*	*	*	*	*
*	*	*	*	*	1.000	0.385	-0.431	*	*	*	*
*	*	*	*	*	*	1.000	0.465	-0.257	*	*	*
*	*	*	*	*	*	*	1.000	-0.796	-0.079	*	*
*	*	*	*	*	*	*	*	1.000	0.666	0.616	*
*	*	*	*	*	*	*	*	*	1.000	0.115	0.888
*	*	*	*	*	*	*	*	*	*	1.000	0.395
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.529
SEPT-OCT 0.503
SEPT-NOV 0.445

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.154	0.972	0.899	0.781	0.980	-0.036	-0.745	-0.328	-0.535	0.265	-0.854	-0.353

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09251000 Yampa River near Maybell, Colo.

LOCATION.--Lat 40°30'10", long 108°01'45", in NW¼ sec.2, T.6 N., R.95 W., on left bank 100 ft (30 m) downstream from bridge on U.S. Highway 40, 2 miles (3 km) downstream from Lay Creek, and 3 miles (5 km) east of Maybell.

DRAINAGE AREA.--3,410 sq mi (8,832 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 5,900.23 ft (1,798.390 m) above mean sea level, datum of 1929. Prior to Apr. 24, 1916, staff gage or chain gage at Thornburgh Bridge 14 miles (23 km) downstream at different datum. Apr. 24, 1916, to Nov. 3, 1917, chain gage and Nov. 4, 1917, to Mar. 8, 1937, water-stage recorder, at site 700 ft (213 m) downstream, at datum 0.92 ft (0.280 m) higher prior to Oct. 1, 1932, and at present datum thereafter.

EXTREMES.--Maximum discharge observed, 17,900 ft^3/s (507 m^3/s) May 19, 1917 (gage height, 10.4 ft or 3.17 m, from floodmarks, site and datum then in use), from rating curve extended above 12,000 ft^3/s (340 m^3/s); minimum daily, 2.0 ft^3/s (0.057 m^3/s) July 17-19, 1934.

REMARKS.--Natural flow of stream affected by transbasin diversions, numerous storage reservoirs, and diversions above station for irrigation of about 65,000 acres (26,000 hm^2) above and about 800 acres (320 hm^2) below station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1941	41.00	5	41.30	5	44.60	5	49.00	5	54.20	3	72.60	2	142.00	5	188.00	9	211.00	8	1200.00	8
1942	161.00	21	164.00	21	166.00	20	177.00	21	191.00	21	259.00	22	340.00	24	382.00	25	397.00	24	1450.00	16
1943	64.00	9	69.70	10	70.10	8	72.10	6	83.30	7	113.00	6	151.00	7	168.00	5	181.00	5	1540.00	18
1944	111.00	14	112.00	14	115.00	14	115.00	14	123.00	14	153.00	10	179.00	10	185.00	8	182.00	6	1200.00	9
1945	15.00	1	15.00	1	15.40	1	17.10	1	28.00	1	65.30	1	99.50	1	141.00	1	162.00	2	1190.00	7
1946	190.00	24	200.00	25	209.00	25	219.00	24	226.00	22	245.00	21	255.00	19	271.00	18	290.00	20	1770.00	21
1947	126.00	16	127.00	15	128.00	15	132.00	15	143.00	15	192.00	15	240.00	18	283.00	20	280.00	19	1240.00	10
1948	194.00	25	195.00	24	199.00	23	207.00	22	246.00	24	295.00	25	344.00	25	391.00	26	469.00	26	1870.00	23
1949	73.00	11	75.00	11	78.10	11	82.10	10	95.40	8	161.00	11	202.00	12	218.00	13	231.00	13	1500.00	17
1950	132.00	17	139.00	18	143.00	18	150.00	16	177.00	17	223.00	20	257.00	20	277.00	19	274.00	18	1820.00	22
1951	61.00	8	63.70	8	67.10	7	81.10	9	114.00	13	197.00	17	207.00	14	230.00	16	238.00	16	1310.00	13
1952	150.00	19	154.00	19	159.00	19	165.00	19	187.00	20	213.00	19	226.00	17	232.00	17	246.00	17	1380.00	14
1953	150.00	20	157.00	20	168.00	21	168.00	20	178.00	18	195.00	16	204.00	13	208.00	10	218.00	10	1990.00	27
1954	66.00	10	67.00	9	71.70	10	74.10	7	82.80	6	121.00	7	166.00	8	176.00	7	199.00	7	1150.00	6
1955	52.00	7	53.00	6	61.00	6	80.90	8	109.00	9	137.00	8	168.00	9	213.00	12	226.00	11	740.00	1
1956	37.00	4	38.00	3	41.30	4	46.50	4	61.80	5	97.00	5	135.00	4	170.00	6	213.00	9	1070.00	5
1957	36.00	3	40.00	4	41.10	3	43.90	3	56.60	4	89.90	4	131.00	3	146.00	2	167.00	3	1400.00	15
1962	75.00	12	76.30	12	79.60	12	83.80	11	113.00	11	182.00	14	314.00	23	450.00	27	475.00	27	1060.00	4
1963	93.00	13	95.70	13	98.00	13	100.00	13	113.00	12	166.00	12	210.00	15	227.00	15	233.00	15	1910.00	24
1964	50.00	6	55.30	7	70.30	9	88.10	12	112.00	10	138.00	9	144.00	6	148.00	3	155.00	1	795.00	2
1965	132.00	18	133.00	16	142.00	17	152.00	17	154.00	16	169.00	13	189.00	11	208.00	11	231.00	14	1240.00	11
1966	220.00	26	233.00	26	244.00	26	253.00	26	265.00	25	294.00	24	311.00	22	335.00	22	407.00	25	1970.00	26
1967	24.00	2	25.00	2	27.30	2	32.20	2	39.90	2	85.20	3	126.00	2	158.00	4	174.00	4	837.00	3
1968	118.00	15	134.00	17	139.00	16	162.00	18	187.00	19	201.00	18	211.00	16	223.00	14	230.00	12	1240.00	12
1969	174.00	22	179.00	22	192.00	22	216.00	23	240.00	23	275.00	23	278.00	21	292.00	21	297.00	21	1600.00	20
1970	230.00	27	235.00	27	254.00	27	270.00	27	282.00	27	317.00	26	356.00	26	376.00	24	368.00	22	1570.00	19
1971	174.00	23	189.00	23	200.00	24	224.00	25	275.00	26	318.00	27	361.00	27	371.00	23	377.00	23	1920.00	25

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	11500.0	5	11000.0	7	9740.0	9	8490.0	9	7600.0	12	5800.0	14	4380.0	16	3530.0	16	2460.0	16	1370.0	16
1942	9880.0	11	9780.0	11	9370.0	12	8450.0	11	7300.0	13	6010.0	13	5180.0	11	4180.0	10	2910.0	11	1640.0	10
1943	8800.0	17	7680.0	21	6460.0	22	5440.0	25	4710.0	23	4330.0	22	3950.0	20	3260.0	19	2300.0	18	1250.0	19
1944	8780.0	18	8400.0	17	7720.0	19	7600.0	16	7280.0	14	5630.0	15	4080.0	19	3210.0	20	2190.0	21	1170.0	22
1945	10600.0	10	10300.0	10	9620.0	10	8480.0	10	7630.0	11	6930.0	8	5670.0	8	4590.0	9	3220.0	9	1720.0	9
1946	6740.0	24	6490.0	24	6140.0	23	5490.0	23	4630.0	25	4280.0	23	3700.0	23	3010.0	22	2110.0	22	1180.0	21
1947	12100.0	4	12000.0	4	11600.0	4	9970.0	4	8140.0	6	6730.0	10	5580.0	9	4710.0	8	3310.0	8	1810.0	8
1948	11000.0	9	10900.0	8	10400.0	7	9160.0	8	7670.0	10	6420.0	11	4970.0	12	4020.0	12	2860.0	12	1630.0	11
1949	9340.0	16	9110.0	16	8760.0	14	8410.0	13	7760.0	9	7190.0	5	6050.0	6	4890.0	5	3400.0	5	1830.0	6
1950	8000.0	21	7890.0	20	7050.0	20	6510.0	21	6370.0	19	4990.0	19	4200.0	17	3400.0	17	2360.0	17	1310.0	17
1951	8510.0	20	8360.0	18	7810.0	18	7350.0	18	6020.0	21	5420.0	17	4470.0	15	3610.0	15	2550.0	15	1400.0	15
1952	13200.0	2	13100.0	2	12400.0	2	10900.0	3	8890.0	4	8830.0	2	7000.0	2	5470.0	2	3740.0	2	1990.0	4
1953	9680.0	14	9220.0	15	8270.0	16	7430.0	17	7150.0	16	4920.0	20	3750.0	22	2990.0	23	2090.0	23	1150.0	23
1954	5120.0	28	4920.0	28	4490.0	28	4190.0	28	3490.0	28	2760.0	28	2230.0	28	1780.0	28	1260.0	28	721.0	28
1955	6900.0	23	6520.0	23	5860.0	24	5490.0	22	4940.0	22	4250.0	24	3490.0	24	2770.0	24	1910.0	24	1070.0	24
1956	9610.0	15	9430.0	14	8750.0	15	8350.0	15	7160.0	15	6290.0	12	4890.0	13	3860.0	14	2630.0	14	1420.0	14
1957	15400.0	1	15000.0	1	14000.0	1	13100.0	1	11600.0	1	9790.0	1	8230.0	1	6760.0	1	4690.0	1	2460.0	1
1961	6150.0	25	5890.0	25	5780.0	25	5440.0	24	4700.0	24	3580.0	25	2710.0	26	2150.0	26	1500.0	27	869.0	27
1962	11300.0	6	11100.0	5	10900.0	5	9770.0	5	9450.0	3	7300.0	4	6390.0	4	5280.0	4	3670.0	4	2060.0	2
1963	5880.0	26	5720.0	26	5200.0	26	4790.0	26	4410.0	26	3370.0	26	2680.0	27	2130.0	27	1510.0	26	871.0	26
1964	9850.0	13	9730.0	12	9370.0	11	8380.0	14	7020.0	17	5320.0	18	4140.0	18	3260.0	18	2230.0	20	1190.0	20
1965	11300.0	7	10900.0	9	10400.0	8	9260.0	7	8100.0	7	7000.0	7	5900.0	7	4810.0	7	3370.0	6	1810.0	7
1966	5580.0	27	5460.0	27	5140.0	27	4340.0	27	3940.0	27	3120.0	27	2760.0	25	2350.0	25	1640.0	25	971.0	25
1967	8720.0	19	8360.0	19	7810.0	17	7030.0	19	6070.0	20	4890.0	21	3800.0	21	3210.0	21	2280.0	19	1250.0	18
1968	11100.0	8	11000.0	6	10600.0	6	9300.0	6	8200.0	5	6740.0	9	5210.0	10	4170.0	11	2910.0	10	1580.0	12
1969	7760.0	22	7360.0	22	7000.0	21	6840.0	20	6570.0	18	5570.0	16	4870.0	14	3970.0	13	2730.0	13	1520.0	13
1970	12600.0	3	12500.0	3	12000.0	3	11100.0	2	9550.0	2	8060.0	3	6150.0	5	4860.0	6	3360.0	7	1860.0	5
1971	9870.0	12	9490.0	13	9040.0	13	8440.0	12	8070.0	8	7120.0	6	6430.0	3	5370.0	3	3690.0	3	2030.0	3

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09251000 Yampa River near Maybell, Colo.--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10226	100.0	9	18.00	7	10216	99.9	18	210.0	1937	8348	81.6	27	2500	311	1993	19.4
1	2.00	0	10226	100.0	10	24.00	8	10209	99.8	19	280.0	1391	6411	62.7	28	3300	387	1682	16.4
2	2.60	0	10226	100.0	11	31.00	23	10201	99.8	20	370.0	913	5020	49.1	29	4300	468	1295	12.6
3	3.50	0	10226	100.0	12	41.00	40	10178	99.5	21	480.0	544	4107	40.2	30	5700	440	827	8.0
4	4.60	0	10226	100.0	13	54.00	57	10138	99.1	22	630.0	415	3563	34.8	31	7500	267	387	3.7
5	6.00	0	10226	100.0	14	71.00	122	10081	98.6	23	830.0	343	3148	30.8	32	9800	110	120	1.1
6	7.90	0	10226	100.0	15	93.00	158	9959	97.4	24	1100.0	240	2805	27.4	33	13000	10	10	.0
7	10.00	0	10226	100.0	16	120.00	388	9801	95.8	25	1400.0	314	2565	25.1	34	17000			
8	14.00	10	10226	100.0	17	160.00	1065	9413	92.0	26	1900.0	258	2251	22.0					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1941															4	40	75	70	34	17	14	12	20	13	5	6	14	15	11	12	3					499071.0
1942														7	14	12	6	5	17	66	60	20	32	16	12	8	8	10	16	24	20	10	2				599304.0
1943																23	25	51	95	18	15	13	6	5	13	12	12	20	27	19	10	1					456173.0
1944											9	5	1	4	9	2	7	8	35	88	56	23	11	13	9	16	8	1	6	6	7	8	21	13				429027.0
1945											1	2		1		1		1	20	89	42	22	19	27	12	17	9	9	12	6	15	15	30	12	3			626844.0
1946																		29	13	89	69	28	15	18	6	6	8	12	24	16	23	9					431386.0
1947																		4	15	58	53	69	24	12	4	7	17	6	20	20	20	21	6	9			660678.0
1948																18	7	4	18	11	8	51	63	68	13	10	17	13	7	4	19	20	9	6			596338.0
1949																		1	11	26	104	60	14	11	10	16	11	5	6	9	13	16	25	27				666297.0
1950															6	5	7	8	11	86	63	55	14	6	5	2	6	23	20	9	12	22	5				479960.0
1951																		7	35	81	64	22	18	26	11	8	10	4	17	18	20	18	6				512280.0
1952																			48	108	44	24	20	19	6	4	8	3	7	9	8	16	23	17	2		729608.0
1953															4	11	7	7	69	98	25	17	13	20	19	5	12	12	7	6	7	15	11				418053.0
1954														2	4	11	22	24	48	104	35	17	10	2	8	15	17	16	11	15	4					263263.0
1955													3	10	6	6	3	12	65	76	42	23	16	12	6	4	7	7	15	29	15	8					389507.0
1956													2	14	7	10	5	21	18	88	66	16	13	3	10	11	7	6	5	8	22	15	19				520937.0
1957															3	5	8	9	69	54	21	22	8	23	18	10	4	8	14	9	16	13	21	22	8		898077.0
1961															17	4	19	59	116	21	13	17	11	22	4	11	7	11	12	17	4						317284.0
1962																19	14	8	14	55	52	26	29	22	10	9	7	11	12	41	10	9	17				752009.0
1963															2	1	3	4	20	44	91	74	19	9	6	15	10	16	6	13	12	18	2				317751.0
1964															9	18	75	84	35	14	22	7	8	6	4	17	9	7	14	17	7	12	1				436190.0
1965																	10	33	84	60	15	16	13	14	9	17	7	9	15	21	20	14	8				662278.0
1966														7	13	3	16	6	6	6	11	47	70	24	33	9	12	5	29	20	16	23	9				354348.0
1967																		3	13	60	88	36	18	14	4	18	14	29	10	9	11	17	16	5			457271.0
1968																			5	36	106	43	26	19	18	13	8	12	12	6	6	19	17	12	8		576555.0
1969																				1	70	115	45	13	10	8	5	1	7	12	29	18	29	2			556374.0
1970																				6	16	73	103	45	10	15	14	5	6	5	6	6	26	16	13		680649.0
1971																					15	28	81	79	30	5	10	2	7	8	8	12	22	35	22	1	741216.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.345E+03	0.312E+03	0.248E+03	0.221E+03	0.296E+03	0.639E+03	0.155E+04	0.734E+04	0.404E+04	0.811E+03	0.339E+03	0.191E+03
1942	0.654E+03	0.474E+03	0.391E+03	0.343E+03	0.345E+03	0.815E+03	0.401E+04	0.587E+04	0.552E+04	0.952E+03	0.226E+03	0.837E+02
1943	0.171E+03	0.247E+03	0.208E+03	0.188E+03	0.244E+03	0.753E+03	0.319E+04	0.385E+04	0.454E+04	0.114E+04	0.323E+03	0.144E+03
1944	0.166E+03	0.239E+03	0.199E+03	0.168E+03	0.179E+03	0.292E+03	0.735E+03	0.506E+04	0.583E+04	0.104E+04	0.131E+03	0.328E+02
1945	0.142E+03	0.268E+03	0.208E+03	0.197E+03	0.177E+03	0.381E+03	0.150E+04	0.714E+04	0.661E+04	0.265E+04	0.915E+03	0.333E+03
1946	0.274E+03	0.319E+03	0.263E+03	0.227E+03	0.330E+03	0.645E+03	0.361E+04	0.358E+04	0.383E+04	0.704E+03	0.261E+03	0.149E+03
1947	0.333E+03	0.413E+03	0.319E+03	0.225E+03	0.269E+03	0.123E+04	0.276E+04	0.801E+04	0.533E+04	0.193E+04	0.527E+03	0.278E+03
1948	0.352E+03	0.445E+03	0.624E+03	0.610E+03	0.644E+03	0.924E+03	0.328E+04	0.737E+04	0.403E+04	0.837E+03	0.319E+03	0.968E+02
1949	0.263E+03	0.278E+03	0.258E+03	0.250E+03	0.288E+03	0.711E+03	0.322E+04	0.687E+04	0.727E+04	0.195E+04	0.334E+03	0.178E+03
1950	0.391E+03	0.335E+03	0.252E+03	0.245E+03	0.277E+03	0.448E+03	0.224E+04	0.441E+04	0.550E+04	0.127E+04	0.218E+03	0.191E+03
1951	0.250E+03	0.287E+03	0.268E+03	0.235E+03	0.268E+03	0.533E+03	0.185E+04	0.536E+04	0.530E+04	0.176E+04	0.475E+03	0.214E+03
1952	0.334E+03	0.265E+03	0.202E+03	0.228E+03	0.252E+03	0.306E+03	0.403E+04	0.839E+04	0.797E+04	0.119E+04	0.542E+03	0.243E+03
1953	0.190E+03	0.208E+03	0.222E+03	0.237E+03	0.220E+03	0.401E+03	0.122E+04	0.360E+04	0.612E+04	0.842E+03	0.396E+03	0.102E+03
1954	0.151E+03	0.264E+03	0.189E+03	0.237E+03	0.272E+03	0.382E+03	0.173E+04	0.340E+04	0.144E+04	0.273E+03	0.122E+03	0.183E+03
1955	0.378E+03	0.273E+03	0.204E+03	0.202E+03	0.191E+03	0.456E+03	0.201E+04	0.488E+04	0.336E+04	0.503E+03	0.248E+03	0.672E+02
1956	0.133E+03	0.263E+03	0.322E+03	0.277E+03	0.246E+03	0.489E+03	0.360E+04	0.652E+04	0.436E+04	0.539E+03	0.280E+03	0.639E+02
1957	0.126E+03	0.213E+03	0.187E+03	0.206E+03	0.234E+03	0.467E+03	0.211E+04	0.716E+04	0.114E+05	0.582E+04	0.105E+04	0.450E+03
1961	0.197E+03	0.254E+03	0.211E+03	0.199E+03	0.215E+03	0.309E+03	0.948E+03	0.379E+04	0.327E+04	0.356E+03	0.131E+03	0.534E+03
1962	0.100E+04	0.566E+03	0.353E+03	0.322E+03	0.743E+03	0.733E+03	0.650E+04	0.715E+04	0.512E+04	0.184E+04	0.295E+03	0.113E+03
1963	0.288E+03	0.288E+03	0.217E+03	0.213E+03	0.391E+03	0.466E+03	0.132E+04	0.408E+04	0.248E+04	0.270E+03	0.215E+03	0.199E+03
1964	0.117E+03	0.201E+03	0.137E+03	0.137E+03	0.160E+03	0.221E+03	0.113E+04	0.543E+04	0.492E+04	0.135E+04	0.317E+03	0.177E+03
1965	0.172E+03	0.231E+03	0.273E+03	0.270E+03	0.266E+03	0.285E+03	0.263E+04	0.628E+04	0.765E+04	0.244E+04	0.753E+03	0.501E+03
1966	0.604E+03	0.421E+03	0.326E+03	0.335E+03	0.280E+03	0.143E+04	0.204E+04	0.386E+04	0.185E+04	0.285E+03	0.123E+03	0.480E+02
1967	0.268E+03	0.218E+03	0.206E+03	0.192E+03	0.228E+03	0.691E+03	0.149E+04	0.406E+04	0.530E+04	0.177E+04	0.347E+03	0.237E+03
1968	0.273E+03	0.244E+03	0.195E+03	0.222E+03	0.244E+03	0.454E+03	0.149E+04	0.558E+04	0.783E+04	0.153E+04	0.598E+03	0.256E+03
1969	0.354E+03	0.325E+03	0.278E+03	0.283E+03	0.284E+03	0.419E+03	0.417E+04	0.651E+04	0.373E+04	0.122E+04	0.340E+03	0.337E+03
1970	0.450E+03	0.412E+03	0.360E+03	0.350E+03	0.394E+03	0.489E+03	0.137E+04	0.830E+04	0.745E+04	0.199E+04	0.442E+03	0.287E+03
1971	0.470E+03	0.437E+03	0.345E+03	0.374E+03	0.384E+03	0.108E+04	0.465E+04	0.640E+04	0.776E+04	0.190E+04	0.320E+03	0.254E+03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09251000 Yampa River near Maybell, Colo.--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.3159E+03	0.3108E+03	0.2667E+03	0.2570E+03	0.2972E+03	0.5875E+03	0.2513E+04	0.5723E+04	0.5350E+04	0.1399E+04	0.3782E+03	0.2123E+03
0.3691E+05	0.8713E+04	0.8911E+04	0.8074E+04	0.1639E+05	0.8649E+05	0.1833E+07	0.2501E+07	0.4668E+07	0.1193E+07	0.5145E+05	0.1688E+05
0.1921E+03	0.9334E+02	0.9440E+02	0.8986E+02	0.1280E+03	0.2941E+03	0.1354E+04	0.1581E+04	0.2161E+04	0.1092E+04	0.2268E+03	0.1299E+03
0.1951E+01	0.1107E+01	0.2117E+01	0.2401E+01	0.2349E+01	0.1338E+01	0.1051E+01	0.4024E-01	0.5753E+00	0.2526E+01	0.1541E+01	0.9480E+00
0.6081E+00	0.3003E+00	0.3540E+00	0.3497E+00	0.4307E+00	0.5006E+00	0.5386E+00	0.2763E+00	0.4038E+00	0.7810E+00	0.5998E+00	0.6119E+00
0.1794E+01	0.1765E+01	0.1514E+01	0.1459E+01	0.1688E+01	0.3336E+01	0.1427E+02	0.3250E+02	0.3038E+02	0.7941E+01	0.2147E+01	0.1206E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.882	0.495	*	*	*	*	*	*	*	*	*
*	1.000	0.756	0.691	*	*	*	*	*	*	*	*
*	*	1.000	0.957	0.743	*	*	*	*	*	*	*
*	*	*	1.000	0.738	0.489	*	*	*	*	*	*
*	*	*	*	1.000	0.375	0.625	*	*	*	*	*
*	*	*	*	*	1.000	0.365	0.084	*	*	*	*
*	*	*	*	*	*	1.000	0.363	0.087	*	*	*
*	*	*	*	*	*	*	1.000	0.541	0.468	*	*
*	*	*	*	*	*	*	*	1.000	0.828	0.760	*
*	*	*	*	*	*	*	*	*	1.000	0.842	0.523
*	*	*	*	*	*	*	*	*	*	1.000	0.574
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.012
SEPT-OCT 0.661
SEPT-NOV 0.588

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.038	0.095	0.115	0.016	0.077	0.197	-0.339	-0.060	-0.189	-0.320	-0.332	-0.041

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09257000 Little Snake River near Dixon, Wyo.

LOCATION.--Lat 41°01'50", long 107°32'55", in NW¼ sec.8, T.12 N., R.90 W., on right bank 150 ft (46 m) upstream from Willow Creek, 650 ft (198 m) downstream from highway bridge, and 0.8 mile (1.3 km) west of Dixon.

DRAINAGE AREA.--988 sq mi (2,559 km^2).

GAGE.--Water-stage recorder. Datum of gage is 6,331.22 ft (1,929.756 m) above mean sea level, datum of 1929. May 27, 1910, to Sept. 30, 1923, chain gage on highway bridge 650 ft (198 m) upstream at datum 2.98 ft (0.908 m) higher. Mar. 15, 1938, to Sept. 30, 1957, water-stage recorder at site 625 ft (190 m) upstream at datum 2.98 ft (0.908 m) higher.

EXTREMES.--Maximum discharge observed, 9,600 ft^3/s (272 m^3/s) May 26, 1920 (gage height, 8.6 ft or 2.621 m, site and datum then in use); minimum daily, 0.2 ft^3/s (0.006 m^3/s) Sept. 26, 1956.

REMARKS.--Diversions for irrigation of about 9,500 acres (3,800 hm^2) above station. One diversion above station for irrigation of about 3,000 acres (1,200 hm^2) below. Transbasin diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	1.80 18	1.87 15	2.23 16	2.41 14	3.11 14	4.73 11	8.15 11	16.40 12	32.80 10	357.00 8
1942	5.60 25	5.60 25	8.89 27	10.40 27	17.80 27	36.10 28	44.20 28	80.00 28	100.00 30	459.00 16
1943	3.40 21	3.47 21	4.11 21	5.41 22	6.63 22	7.36 18	9.79 13	20.80 13	39.10 14	558.00 23
1944	5.10 24	5.20 24	5.44 23	6.00 23	6.59 21	8.77 20	9.28 12	21.70 14	35.90 11	443.00 14
1945	2.90 19	2.97 19	3.10 19	3.48 19	4.12 16	5.12 14	11.50 15	23.90 16	39.10 15	468.00 17
1946	31.00 30	31.00 30	32.30 30	41.40 31	64.20 31	74.50 31	90.70 30	95.30 30	98.50 29	693.00 30
1947	4.40 23	5.07 23	6.06 24	7.20 24	8.97 25	9.90 21	13.20 19	27.90 17	46.90 17	404.00 12
1948	16.00 29	16.70 29	17.70 28	20.10 28	32.40 29	34.70 27	41.40 27	54.10 27	71.50 26	512.00 20
1949	3.00 20	3.10 20	3.24 20	3.46 18	4.27 17	5.33 15	7.81 10	12.70 10	37.20 12	400.00 11
1950	7.90 27	8.00 27	8.29 26	8.55 26	9.38 26	13.00 25	30.10 26	51.00 24	64.10 24	644.00 27
1951	7.50 26	7.77 26	7.84 25	8.28 25	8.51 24	12.70 24	25.90 24	37.00 21	57.40 21	552.00 22
1952	4.10 22	4.27 22	4.60 22	5.39 21	6.72 23	7.46 19	18.10 20	35.80 19	51.90 18	396.00 10
1953	1.00 9	1.17 10	1.64 13	2.91 17	5.06 18	6.85 17	12.20 18	22.60 15	42.90 16	797.00 31
1954	1.40 14	1.67 16	2.30 17	2.87 16	3.01 13	5.05 13	11.70 17	15.90 11	39.00 13	353.00 7
1955	1.70 17	2.00 17	2.60 18	4.16 20	5.89 19	5.93 16	7.24 9	10.10 8	26.90 6	209.00 1
1956	1.60 16	2.00 18	2.00 15	2.00 11	2.00 1	2.24 3	3.04 5	5.43 2	26.40 5	302.00 5
1957	0.20 1	0.40 3	0.96 6	1.26 6	1.96 6	3.06 8	4.04 7	6.79 5	24.80 4	419.00 13
1958	34.00 31	34.00 31	34.60 31	37.00 30	38.50 30	50.10 29	73.80 29	89.00 29	97.50 28	659.00 29
1959	1.30 11	1.43 12	1.60 12	1.82 10	2.01 8	2.80 7	5.48 8	11.20 9	29.70 9	523.00 21
1960	1.30 12	1.47 13	1.59 11	2.10 12	3.21 15	4.77 12	18.60 21	51.80 25	59.50 23	262.00 3
1961	0.70 7	0.83 7	0.90 5	1.04 4	1.16 4	1.61 3	2.38 3	4.80 1	20.40 2	377.00 9
1962	1.40 15	1.57 14	1.97 14	2.33 13	2.51 11	3.38 10	11.50 16	53.50 26	77.80 27	273.00 4
1963	0.30 3	0.33 2	0.40 2	0.47 1	0.64 1	1.01 1	2.18 2	6.90 6	21.50 3	567.00 24
1964	1.00 8	1.07 8	1.37 7	1.81 9	2.12 9	3.11 9	3.78 6	5.57 3	19.80 1	242.00 2
1965	0.40 4	0.50 4	0.70 3	0.81 3	0.87 2	1.09 2	1.69 1	6.64 4	29.30 8	479.00 18
1966	15.00 28	15.70 28	18.70 29	21.30 29	28.50 28	54.60 30	103.00 31	110.00 31	110.00 31	610.00 26
1967	0.50 6	0.57 5	0.74 4	1.19 5	1.24 5	1.78 4	2.73 4	7.73 7	27.70 7	312.00 6
1968	1.30 13	1.30 11	1.46 9	1.59 7	2.15 10	12.40 23	28.50 25	40.60 22	56.80 19	450.00 15
1969	0.40 5	0.70 6	1.39 8	2.79 15	6.36 20	17.40 26	21.10 22	35.70 18	57.70 22	598.00 25
1970	0.26 2	0.27 1	0.35 1	0.68 2	1.06 3	2.77 5	11.30 14	36.10 20	57.10 20	487.00 19
1971	1.10 10	1.17 9	1.51 10	1.74 8	2.94 12	11.30 22	22.60 23	43.50 23	66.70 25	658.00 28

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	4470.0 13	4160.0 14	3700.0 15	3250.0 16	2900.0 15	2100.0 17	1540.0 20	1210.0 19	819.0 19	436.0 19
1942	4860.0 10	4490.0 11	4030.0 11	3560.0 13	2910.0 14	2410.0 12	2020.0 9	1570.0 10	1060.0 9	578.0 9
1943	5630.0 3	4430.0 12	3430.0 18	2750.0 20	2120.0 23	1920.0 21	1610.0 17	1290.0 17	878.0 17	459.0 16
1944	4420.0 14	4170.0 13	3630.0 16	3580.0 11	3270.0 11	2330.0 14	1690.0 16	1310.0 16	882.0 16	459.0 17
1945	4680.0 12	4570.0 10	4300.0 10	3730.0 9	3450.0 7	3060.0 5	2370.0 3	1850.0 3	1270.0 3	670.0 3
1946	2760.0 26	2650.0 26	2520.0 25	2310.0 24	1940.0 24	1670.0 24	1340.0 24	1060.0 24	732.0 24	398.0 24
1947	4020.0 17	3930.0 17	3820.0 12	3330.0 15	2750.0 16	2230.0 15	1770.0 14	1480.0 13	998.0 13	530.0 13
1948	3920.0 18	3680.0 18	3450.0 17	3070.0 18	2520.0 20	1970.0 20	1430.0 22	1120.0 22	768.0 21	410.0 21
1949	4240.0 15	4020.0 16	3750.0 14	3560.0 12	3450.0 8	3100.0 4	2350.0 5	1820.0 4	1220.0 5	637.0 5
1950	4180.0 16	4110.0 15	3800.0 13	3470.0 14	3220.0 12	2470.0 11	1970.0 11	1530.0 11	1040.0 11	551.0 11
1951	3160.0 24	2990.0 22	2860.0 21	2630.0 22	2300.0 22	1790.0 22	1390.0 23	1090.0 23	751.0 23	402.0 23
1952	6880.0 1	6640.0 1	6100.0 1	5270.0 1	4540.0 1	4110.0 1	3010.0 1	2300.0 1	1540.0 1	796.0 1
1953	3360.0 22	3110.0 21	2800.0 23	2580.0 23	2510.0 21	1720.0 23	1250.0 25	977.0 25	673.0 25	358.0 25
1954	1940.0 29	1640.0 30	1390.0 31	1260.0 30	1190.0 31	979.0 30	724.0 31	568.0 31	401.0 30	217.0 30
1955	2720.0 27	2460.0 27	2090.0 28	1910.0 27	1710.0 28	1400.0 27	1070.0 27	830.0 27	565.0 27	298.0 27
1956	3400.0 21	3330.0 20	3190.0 20	2930.0 19	2590.0 19	2140.0 16	1560.0 19	1200.0 20	813.0 20	418.0 20
1957	5100.0 6	4820.0 8	4350.0 8	3980.0 5	3430.0 9	2910.0 7	2270.0 6	1780.0 6	1210.0 6	632.0 6
1958	4940.0 9	4850.0 6	4810.0 3	4460.0 3	3960.0 3	2750.0 8	1970.0 12	1520.0 12	1030.0 12	549.0 12
1959	1700.0 31	1630.0 31	1450.0 30	1260.0 31	1210.0 30	1030.0 29	795.0 29	630.0 29	442.0 29	240.0 29
1960	2980.0 25	2810.0 25	2490.0 26	2080.0 26	1910.0 25	1620.0 25	1440.0 21	1120.0 21	756.0 22	405.0 22
1961	1830.0 30	1770.0 29	1730.0 29	1570.0 29	1340.0 29	952.0 31	724.0 30	575.0 30	394.0 31	212.0 31
1962	5160.0 4	5020.0 4	4770.0 5	3790.0 7	3520.0 6	2690.0 9	2100.0 8	1650.0 8	1170.0 7	623.0 7
1963	2510.0 28	2400.0 28	2140.0 27	1810.0 28	1730.0 27	1170.0 28	907.0 28	703.0 28	480.0 28	250.0 28
1964	5160.0 5	5080.0 3	4810.0 4	4130.0 5	3390.0 10	2400.0 13	1790.0 13	1380.0 14	925.0 14	474.0 15
1965	5020.0 8	4830.0 7	4530.0 7	3700.0 10	3130.0 13	2640.0 10	2010.0 10	1570.0 9	1060.0 10	559.0 10
1966	3550.0 20	2950.0 23	2560.0 24	2130.0 25	1800.0 26	1430.0 26	1180.0 26	930.0 26	646.0 26	358.0 26
1967	3670.0 19	3480.0 19	3340.0 19	3180.0 17	2730.0 17	2060.0 19	1570.0 18	1250.0 18	843.0 18	444.0 18
1968	4800.0 11	4700.0 9	4640.0 6	4250.0 4	3780.0 4	3000.0 6	2160.0 7	1670.0 7	1130.0 8	591.0 8
1969	3130.0 23	2910.0 24	2840.0 22	2710.0 21	2690.0 18	2070.0 18	1690.0 15	1340.0 15	915.0 15	484.0 14
1970	5750.0 2	5710.0 2	5240.0 2	4890.0 2	4100.0 2	3230.0 2	2360.0 4	1810.0 5	1230.0 4	648.0 4
1971	5050.0 7	4910.0 5	4300.0 9	3750.0 8	3650.0 5	3180.0 3	2640.0 2	2070.0 2	1400.0 2	734.0 2

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09257000 Little Snake River near Dixon, Wyo.--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	11322	100.0	9	2.50	210	10772	95.1	18	43.0	555	8464	74.8	27	730	279	2100	18.5
1	0.20	4	11322	100.0	10	3.40	224	10562	93.3	19	58.0	1430	7909	69.9	28	1000	386	1821	16.0
2	0.30	5	11318	100.0	11	4.70	270	10338	91.3	20	80.0	1900	6479	57.2	29	1400	408	1435	12.6
3	0.40	7	11313	99.9	12	6.40	348	10068	88.9	21	110.0	1037	4579	40.4	30	1900	380	1027	9.0
4	0.50	23	11306	99.9	13	8.80	275	9720	85.9	22	150.0	431	3542	31.3	31	2600	389	647	5.7
5	0.70	61	11283	99.7	14	12.00	254	9445	83.4	23	210.0	261	3111	27.5	32	3500	211	258	2.2
6	1.00	88	11222	99.1	15	17.00	246	9191	81.2	24	280.0	269	2850	25.2	33	4800	45	47	.4
7	1.30	159	11134	98.3	16	23.00	181	8945	79.0	25	390.0	226	2581	22.8	34	6600	2	2	.0
8	1.80	203	10975	96.9	17	31.00	300	8764	77.4	26	530.0	255	2355	20.8					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1941												1	3	3	11	4	12	28	39	111	31	14	6	9	13	15	7	4	11	13	10	14	6		159299.0
1942											6	8	32	15	8	3	1	2	2	8	60	85	27	8	5	4	7	6	12	25	14	20	6	1		210972.2
1943												18	47	11	6	9	7	5	11	62	50	21	13	4	3	4	8	17	24	15	23	5	1	1	167518.7
1944										8	12	27	28	8	4	3	4	2	35	87	36	11	3	11	11	13	7	4	8	8	8	20	8		167872.4
1945												1	1					21	22	95	51	22	33	13	12	2	7	12	10	5	13	30	15		244431.0
1946												1	6	19	23	19	10	4	1	1	13	69	74	20	12	4	11	9	3	25	25	14	2			145330.3
1947													1	1	2	23	20	18	14	86	74	7	5	4	9	5	8	14	16	21	23	7	7		193449.5
1948										5	14	37	15	4	6	4	1	3	6	11	106	52	3	12	18	6	4	5	10	16	14	11	3		150110.5
1949													10	16	24	26	15	10	3	33	98	10	17	8	3	7	11	6	5	4	11	30	18		232474.4
1950													19	23	5	11	10	9	2	30	101	40	12	4	10	3	5	7	22	11	10	21	10		201200.6
1951											6	24	24	9	9	5	1	1	17	26	89	41	13	9	6	9	10	9	17	17	14	9			146833.8
1952							2	2	5		7	23	11	13	10	2	2	1	4	23	146	12	7	4	7	3	5	9	6	5	5	11	24	15	2	291216.7
1953								2	5	14	11	5	7	13	13	9	6	6	32	32	86	24	16	10	6	7	11	10	8	2	20	10			130502.5
1954								1	5	8	7	17	36	27	18	2	4	3	1	26	111	22	7	3	3	5	15	15	22	6	1				79248.2
1955								1	32	29	1	1	4	21	7	11	5	2	41	83	27	14	5	3	5	4	5	10	30	15	8	1			108728.8
1956		1	1			1	1	8	10	15	36	21	4	7	14	16	3	6	8	72	35	7	5	10	12	7	5	3	7	15	15	21			152957.0
1957											8	9	5	1	1	3	5	27	20	87	40	30	20	8	3	8	9	11	6	12	13	25	12	2		230834.3
1958								7	23	17	10	10	11	3	4	1	4	9	6	2	28	18	13	10	20	3	5	8	9	6	3	14	18	3		200527.2
1959								6	5	6	14	20	8	8	9	9	10	14	13	53	79	8	13	13	11	8	10	14	24	10					87476.7
1960							8	7	27	9	5	9	5	6	3	4	4	2	9	41	57	28	29	11	6	5	5	3	20	14	30	16	3			148145.2
1961								3	13	19	25	9	9	5	15	16	7	4	14	63	40	12	10	17	16	15	7	8	11	13	14					77472.2
1962				2	3	14	6	7	17	3	5	4	3	5	4	2		1			2	68	49	53	10	6	8	8	8	11	23	17	10	12	4		227460.9
1963									16	14	20	18	9	1	10	12	13	18	10	28	33	42	24	5	8	8	10	18	8	6	5	23	6				91270.6
1964					2			20	11	10	11	14	18	2	2	6	2	2	9	16	40	83	4	13	12	4	3	8	14	5	7	11	15	9	9	4		173633.7
1965								10	6	2		1			2	1	7	25	14	11	17	84	55	8	6	9	22	7	3	7	9	12	22	13	9	3		204122.3
1966						3	5	20	13	17	11	11	3	3	2	2	3	2		1	1	62	73	30	13	9	3	11	15	19	24	6	2	1			130535.5
1967									11	9	10	7	2	12	5	1	7	8	16	49	82	19	5	4	15	10	14	18	9	7	9	19	15	2			162089.5
1968					1	1		1	2	1	3	10	7	7	8	8	7	4	5	20	51	103	19	2	9	16	13	6	4	3	4	10	22	18	1		216209.4
1969			3	2	1	5	8	5	5	7	7	6	6	7	6	6	6	2	7	3	22	73	69	6	3	2	6	9	20	18	9	15	21				176590.3
1970								5	8	11	6	1	3	3	3	12	8	8	16	7	16	69	65	28	8	7	6	8	4	3	5	15	20	11	9		236483.5
1971								3	4	10	11	3	7	2	2	3	10	8	3	10	4	10	66	80	16	5	3	7	11	3	5	13	20	23	21	2		267870.2

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.338E 02	0.591E 02	0.588E 02	0.581E 02	0.795E 02	0.143E 03	0.745E 03	0.229E 04	0.659E 03	0.119E 02	0.403E 01	0.101E 02
1941	0.460E 02	0.670E 02	0.635E 02	0.651E 02	0.843E 02	0.221E 03	0.519E 03	0.286E 04	0.113E 04	0.447E 02	0.461E 02	0.533E 02
1942	0.189E 03	0.151E 03	0.121E 03	0.104E 03	0.989E 02	0.154E 03	0.163E 04	0.243E 04	0.195E 04	0.948E 02	0.746E 01	0.781E 01
1943	0.252E 02	0.697E 02	0.791E 02	0.739E 02	0.993E 02	0.238E 03	0.130E 04	0.155E 04	0.196E 04	0.104E 03	0.122E 02	0.740E 01
1944	0.341E 02	0.741E 02	0.592E 02	0.566E 02	0.723E 02	0.105E 03	0.371E 03	0.230E 04	0.229E 04	0.145E 03	0.593E 01	0.435E 01
1945	0.434E 02	0.711E 02	0.705E 02	0.682E 02	0.876E 02	0.156E 03	0.585E 03	0.318E 04	0.289E 04	0.634E 03	0.155E 03	0.642E 02
1946	0.899E 02	0.126E 03	0.105E 03	0.990E 02	0.118E 03	0.236E 03	0.144E 04	0.147E 04	0.103E 04	0.354E 02	0.111E 02	0.114E 02
1947	0.659E 02	0.919E 02	0.745E 02	0.638E 02	0.863E 02	0.451E 03	0.874E 03	0.272E 04	0.163E 04	0.208E 03	0.345E 02	0.352E 02
1948	0.778E 02	0.955E 02	0.106E 03	0.104E 03	0.153E 03	0.863E 03	0.243E 04	0.938E 03	0.274E 02	0.610E 01	0.732E 01	
1949	0.250E 02	0.875E 02	0.798E 02	0.814E 02	0.876E 02	0.151E 03	0.101E 04	0.343E 04	0.262E 04	0.218E 03	0.113E 02	0.152E 02
1950	0.109E 03	0.102E 03	0.882E 02	0.865E 02	0.800E 02	0.128E 03	0.108E 04	0.252E 04	0.221E 04	0.176E 03	0.873E 01	0.202E 02
1951	0.656E 02	0.894E 02	0.969E 02	0.951E 02	0.102E 03	0.154E 03	0.640E 03	0.209E 04	0.138E 04	0.897E 02	0.826E 01	0.667E 01
1952	0.953E 02	0.762E 02	0.863E 02	0.847E 02	0.966E 02	0.994E 02	0.155E 04	0.444E 04	0.286E 04	0.141E 03	0.757E 01	0.647E 01
1953	0.431E 02	0.630E 02	0.839E 02	0.955E 02	0.932E 02	0.148E 03	0.384E 03	0.146E 04	0.183E 04	0.392E 02	0.226E 02	0.301E 01
1954	0.179E 02	0.930E 02	0.745E 02	0.858E 02	0.911E 02	0.111E 03	0.825E 03	0.107E 04	0.217E 03	0.605E 01	0.628E 01	0.991E 01
1955	0.239E 02	0.574E 02	0.729E 02	0.637E 02	0.604E 02	0.945E 02	0.607E 03	0.109E 04	0.872E 03	0.191E 02	0.249E 01	0.200E 01
1956	0.729E 01	0.363E 02	0.936E 02	0.708E 02	0.707E 02	0.156E 03	0.104E 04	0.248E 04	0.104E 04	0.123E 02	0.484E 01	0.197E 01
1957	0.111E 02	0.553E 02	0.679E 02	0.778E 02	0.923E 02	0.140E 03	0.489E 03	0.229E 04	0.343E 04	0.817E 03	0.778E 02	0.417E 02
1958	0.105E 03	0.134E 03	0.123E 03	0.104E 03	0.113E 03	0.181E 03	0.704E 03	0.366E 04	0.141E 04	0.112E 02	0.240E 01	0.512E 01
1959	0.285E 02	0.579E 02	0.750E 02	0.800E 02	0.850E 02	0.112E 03	0.371E 03	0.111E 04	0.867E 03	0.545E 02	0.574E 01	0.255E 02
1960	0.141E 03	0.114E 03	0.501E 02	0.616E 02	0.630E 02	0.278E 03	0.139E 04	0.164E 04	0.110E 04	0.145E 02	0.228E 01	0.125E 01
1961	0.618E 01	0.458E 02	0.546E 02	0.467E 02	0.575E 02	0.157E 03	0.298E 03	0.113E 04	0.667E 03	0.705E 01	0.292E 01	0.623E 02
1962	0.169E 03	0.133E 03	0.103E 03	0.914E 02	0.433E 03	0.191E 03	0.199E 04	0.282E 04	0.139E 04	0.164E 03	0.199E 01	0.777E 00
1963	0.105E 02	0.369E 02	0.543E 02	0.371E 02	0.848E 02	0.197E 03	0.331E 03	0.164E 04	0.580E 03	0.796E 01	0.222E 01	0.471E 01
1964	0.109E 02	0.483E 02	0.539E 02	0.602E 02	0.679E 02	0.880E 02	0.354E 03	0.262E 04	0.214E 04	0.242E 03	0.192E 01	0.920E 00
1965	0.820E 01	0.530E 02	0.760E 02	0.736E 02	0.785E 02	0.828E 02	0.647E 03	0.242E 04	0.280E 04	0.331E 03	0.371E 02	0.105E 03
1966	0.170E 03	0.131E 03	0.114E 03	0.103E 03	0.107E 03	0.354E 03	0.102E 04	0.178E 04	0.480E 03	0.517E 01	0.158E 01	0.361E 01
1967	0.277E 02	0.639E 02	0.724E 02	0.645E 02	0.478E 02	0.160E 03	0.548E 03	0.178E 04	0.226E 04	0.266E 03	0.382E 01	0.314E 02
1968	0.595E 02	0.804E 02	0.901E 02	0.927E 02	0.823E 02	0.122E 03	0.416E 03	0.242E 04	0.302E 04	0.176E 03	0.334E 02	0.636E 01
1969	0.523E 02	0.918E 02	0.929E 02	0.107E 03	0.115E 03	0.146E 03	0.118E 04	0.267E 04	0.115E 04	0.178E 03	0.213E 01	0.618E 01
1970	0.761E 02	0.116E 03	0.969E 02	0.930E 02	0.124E 03	0.138E 03	0.523E 03	0.354E 04	0.281E 04	0.208E 03	0.338E 01	0.225E 02
1971	0.895E 02	0.117E 03	0.117E 03	0.112E 03	0.108E 03	0.216E 03	0.149E 04	0.307E 04	0.323E 04	0.234E 03	0.241E 01	0.185E 02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09257000 Little Snake River near Dixon, Wyo.--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.6116E 02	0.8403E 02	0.8297E 02	0.8004E 02	0.9904E 02	0.1706E 03	0.8507E 03	0.2354E 04	0.1714E 04	0.1475E 03	0.1673E 02	0.1886E 02
0.2598E 04	0.7613E 03	0.4264E 03	0.3687E 03	0.4039E 04	0.5968E 04	0.2027E 05	0.6342E 06	0.8249E 06	0.3222E 05	0.9139E 03	0.5630E 03
0.5047E 02	0.3100E 02	0.2065E 02	0.1920E 02	0.6355E 02	0.7725E 02	0.4502E 03	0.7964E 03	0.9082E 03	0.1795E 03	0.3023E 02	0.2373E 02
0.1047E 01	0.4150E 00	0.2930E 00	-0.2185E 00	0.4927E 01	0.2021E 01	0.7696E 00	0.4082E 00	0.2653E 00	0.2352E 01	0.3568E 01	0.2126E 01
0.8333E 00	0.3690E 00	0.2489E 00	0.2399E 00	0.6417E 00	0.4527E 00	0.5292E 00	0.3383E 00	0.5299E 00	0.1217E 01	0.1807E 01	0.1256E 01
0.1077E 01	0.1430E 01	0.1461E 01	0.1409E 01	0.1744E 01	0.3005E 01	0.1498E 02	0.4145E 02	0.3018E 02	0.2598E 01	0.2946E 00	0.3320E 00

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.882	0.625	*	*	*	*	*	*	*	*	*
*	1.000	0.727	0.709	*	*	*	*	*	*	*	*
*	*	1.000	0.895	0.366	*	*	*	*	*	*	*
*	*	*	1.000	0.319	0.022	*	*	*	*	*	*
*	*	*	*	1.000	0.100	0.539	*	*	*	*	*
*	*	*	*	*	1.000	0.290	-0.085	*	*	*	*
*	*	*	*	*	*	1.000	0.237	0.012	*	*	*
*	*	*	*	*	*	*	1.000	0.587	0.315	*	*
*	*	*	*	*	*	*	*	1.000	0.742	0.428	*
*	*	*	*	*	*	*	*	*	1.000	0.739	0.482
*	*	*	*	*	*	*	*	*	*	1.000	0.562
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.340
SEPT-OCT 0.804
SEPT-NOV 0.751

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.329	-0.211	-0.045	0.083	-0.107	-0.015	-0.395	-0.054	0.046	-0.176	-0.128	-0.332

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09261000 Green River near Jensen, Utah

LOCATION.--Lat 40°24'34", long 109°14'05", in NE¼SW¼SE¼ sec.5, T.5 S., R.24 E., Uintah County, Dinosaur National Monument, on right bank 300 ft (91 m) upstream from highway bridge, 1 mile (1.6 km) downstream from Cub Creek and Chew Ranch, 4 miles (6 km) southeast of Dinosaur National Monument headquarters, 6.5 miles (10.5 km) northeast of Jensen, 12 miles (19 km) upstream from Brush Creek, and 313.9 miles (505.1 km) from mouth.

DRAINAGE AREA.--25,400 sq mi (65,786 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 4,758 ft (1,450 m) from river-profile map. Prior to Oct. 1, 1946, nonrecording gages at site 15 miles (24 km) downstream at different datums. Dec. 13, 1946, to Sept. 30, 1948, water-stage recorder at present site at datum 1.50 ft (0.457 m) higher.

EXTREMES.--Maximum discharge, 36,500 ft^3/s (1,030 m^3/s) June 16, 1957 (gage height, 13.22 ft or 4.029 m); minimum observed, 102 ft^3/s (2.89 m^3/s) Dec. 6, 1904.

REMARKS.--Transbasin diversions and diversions for irrigation above station. Flow partly regulated by Flaming Gorge Reservoir since Nov. 1, 1962.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1948	950.00	16	973.00	14	1010.00	14	1040.00	13	1120.00	13	1240.00	13	1340.00	12	1470.00	12	1610.00	13	5550.00	14
1949	570.00	9	587.00	9	627.00	8	654.00	5	699.00	5	836.00	6	875.00	6	875.00	4	894.00	3	3900.00	7
1950	476.00	5	500.00	6	582.00	5	746.00	9	905.00	9	1120.00	10	1190.00	10	1340.00	10	1390.00	9	5000.00	15
1951	760.00	13	760.00	12	773.00	11	839.00	11	1040.00	11	1250.00	12	1420.00	13	1480.00	13	1590.00	12	5610.00	19
1952	702.00	11	749.00	11	864.00	12	981.00	12	1090.00	12	1120.00	11	1180.00	9	1210.00	9	1450.00	10	4950.00	14
1953	480.00	7	487.00	4	515.00	4	600.00	4	803.00	8	925.00	8	992.00	8	1040.00	8	1160.00	8	6140.00	20
1954	620.00	10	640.00	10	680.00	10	718.00	8	790.00	7	855.00	7	952.00	7	931.00	7	1010.00	6	3390.00	6
1955	340.00	3	383.00	2	466.00	3	491.00	3	530.00	3	564.00	3	614.00	3	735.00	2	905.00	4	2760.00	2
1956	456.00	5	489.00	5	603.00	6	706.00	7	784.00	6	819.00	5	866.00	5	925.00	6	1010.00	7	3170.00	5
1957	433.00	4	534.00	8	653.00	9	693.00	6	697.00	4	737.00	4	792.00	4	883.00	5	948.00	5	4470.00	11
1962	490.00	8	517.00	7	612.00	7	825.00	10	960.00	10	1010.00	9	1220.00	11	1470.00	11	1480.00	11	2980.00	3
1963	314.00	2	395.00	3	417.00	2	453.00	2	502.00	2	538.00	2	610.00	2	741.00	3	809.00	2	5170.00	17
1964	260.00	1	262.00	1	276.00	1	296.00	1	343.00	1	412.00	1	429.00	1	430.00	1	574.00	1	1500.00	1
1965	754.00	12	990.00	15	1660.00	18	1760.00	18	1900.00	18	2310.00	18	2470.00	18	2540.00	17	2880.00	18	4190.00	8
1966	808.00	14	836.00	13	952.00	13	1060.00	14	1310.00	14	1720.00	14	1940.00	15	2110.00	15	2160.00	15	4260.00	9
1967	942.00	15	1210.00	16	1550.00	16	1700.00	16	1870.00	17	2040.00	16	2150.00	16	2210.00	16	2190.00	16	3040.00	4
1968	1440.00	18	1620.00	19	1680.00	19	1930.00	19	2160.00	19	2420.00	19	2780.00	19	3000.00	19	3180.00	19	4480.00	12
1969	1570.00	20	1750.00	20	2020.00	20	2530.00	20	2780.00	20	2960.00	20	2990.00	20	3000.00	20	3330.00	20	5110.00	16
1970	1470.00	19	1510.00	18	1570.00	17	1720.00	17	1840.00	16	2140.00	17	2300.00	17	2660.00	18	2750.00	17	4600.00	13
1971	1160.00	17	1390.00	17	1450.00	15	1510.00	15	1630.00	15	1850.00	15	1910.00	14	2000.00	14	1990.00	14	4360.00	10

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1947	27800.0	3	27100.0	3	25400.0	3	22300.0	4	19200.0	6	17900.0	4	14900.0	5	12800.0	5	9820.0	4	5600.0	5
1948	22100.0	9	21900.0	9	20900.0	10	20100.0	9	17800.0	9	14100.0	9	11600.0	9	9790.0	9	7050.0	9	4210.0	14
1949	22800.0	8	22300.0	8	21400.0	9	20300.0	8	18700.0	7	16800.0	5	14200.0	6	11700.0	6	8440.0	7	4710.0	10
1950	23800.0	7	23000.0	7	22100.0	7	21000.0	6	20600.0	4	18100.0	3	15500.0	4	13200.0	4	9780.0	5	5660.0	4
1951	26600.0	4	26000.0	4	24500.0	5	21200.0	5	18200.0	8	15600.0	8	13000.0	8	11300.0	8	8540.0	6	5070.0	6
1952	32800.0	2	32200.0	2	30500.0	2	27300.0	2	24100.0	2	23100.0	1	19200.0	1	15600.0	1	11000.0	1	6230.0	1
1953	22000.0	10	21700.0	10	21400.0	8	19000.0	10	15900.0	10	11500.0	13	9330.0	14	7680.0	15	5790.0	15	3440.0	16
1954	15800.0	17	15400.0	17	14400.0	17	12400.0	18	9830.0	18	7860.0	19	7010.0	19	6130.0	18	4640.0	19	2840.0	19
1955	11700.0	20	11600.0	20	11200.0	20	10200.0	20	9690.0	19	9190.0	17	7870.0	17	6480.0	17	4870.0	17	2860.0	18
1956	26000.0	5	25500.0	5	24800.0	4	24300.0	3	20800.0	3	16400.0	7	13300.0	7	11500.0	7	8340.0	8	4690.0	11
1957	36200.0	1	35900.0	1	35400.0	1	32500.0	1	27100.0	1	21900.0	2	18600.0	2	15300.0	2	10900.0	2	6050.0	2
1961	12000.0	19	11800.0	19	11300.0	19	10500.0	19	9250.0	20	6910.0	20	5510.0	21	4720.0	21	3470.0	21	2250.0	21
1962	25200.0	6	25000.0	6	24200.0	6	20700.0	7	20400.0	5	16700.0	6	15600.0	3	14100.0	3	10500.0	3	6020.0	3
1963	8320.0	22	8110.0	22	7280.0	22	6540.0	22	6070.0	22	4570.0	22	3720.0	22	3020.0	22	2300.0	22	1460.0	22
1964	16100.0	16	15800.0	16	15100.0	15	13500.0	16	11400.0	17	8830.0	18	7140.0	18	6080.0	19	4730.0	18	2820.0	20
1965	16800.0	14	16400.0	14	16200.0	13	14400.0	13	12400.0	15	10800.0	14	9480.0	13	8330.0	13	6930.0	10	4800.0	9
1966	10100.0	21	9560.0	21	8610.0	21	7610.0	21	6910.0	21	6220.0	21	5850.0	20	5220.0	20	4150.0	20	3210.0	17
1967	16400.0	15	15800.0	15	14900.0	16	14000.0	14	12500.0	14	10000.0	16	8120.0	16	6990.0	16	5790.0	16	4050.0	15
1968	18500.0	13	18200.0	12	17700.0	12	15800.0	12	13600.0	12	11700.0	12	9790.0	12	8380.0	12	6690.0	13	4940.0	8
1969	14400.0	18	13600.0	18	12800.0	18	12400.0	17	12000.0	16	10100.0	15	9070.0	15	8010.0	14	6740.0	12	4980.0	7
1970	19800.0	12	19600.0	11	18700.0	11	17500.0	11	15200.0	11	13100.0	10	10400.0	11	8680.0	11	6600.0	14	4680.0	12
1971	14900.0	11	17700.0	13	15100.0	14	13600.0	15	13400.0	13	12000.0	11	10600.0	10	9090.0	10	6920.0	11	4460.0	13

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	28	8035	100.0	9	1000.00	591	6869	85.5	18	3700.0	340	2611	32.5	27	13000	169	603	7.5
1	330.00	16	8007	99.7	10	1200.00	511	6278	78.1	19	4300.0	313	2271	28.3	28	15000	154	434	5.4
2	380.00	38	7991	99.5	11	1400.00	365	5767	71.8	20	4900.0	220	1958	24.4	29	18000	95	280	3.4
3	440.00	77	7953	99.0	12	1600.00	408	5402	67.2	21	5700.0	208	1738	21.6	30	20000	119	185	2.3
4	510.00	86	7876	98.0	13	1800.00	537	4994	62.2	22	6500.0	178	1530	19.0	31	24000	36	66	.8
5	580.00	94	7790	97.0	14	2100.00	450	4457	55.5	23	7500.0	172	1352	16.8	32	27000	15	30	.3
6	670.00	270	7696	95.8	15	2400.00	516	4007	49.9	24	8700.0	187	1180	14.7	33	31000	13	15	.1
7	770.00	270	7426	92.4	16	2800.00	474	3491	43.4	25	10000.0	269	993	12.4	34	36000	2	2	.0
8	890.00	287	7156	89.1	17	3200.00	406	3017	37.5	26	12000.0	121	724	9.0					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09261000 Green River near Jensen, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1947							17	10	6	24	13	42	65	13	4	8	3	8	14	7	8	19	11	8	14	10	2	13	22	9	9	4	7			2045192.0
1948						10	14	3	5	41	25	42	36	40	22	16	3	3	6	6	5	11	8	8	14	15	4	6	6	12	5						1542508.0
1949					1	4	17	29	58	65	20	5	5	10	15	8	7	8	11	2	4	5	8	8	8	8	7	11	16	13	12						1718274.0
1950				1	3	1	3		15	26	34	22	25	35	28	16	11	8	7	11	13	5	5	7	12	13	6	13	7	17	21						2065399.0
1951							3	8	2	17	13	38	58	38	17	8	15	11	8	4	13	17	11	20	5	16	6	9	9	7	7	5						1851740.0
1952							2	5	9	23	85	37	12	19	19	10	12	23	3	3	8	5	2	2	2	12	7	5	12	10	14	10	11	4				2280133.0
1953					3	4	2	6	20	12	92	36	19	6	12	19	21	13	10	12	13	8	9	5	3	6	4	8	8	4	3	7						1256199.0
1954								7	23	30	20	58	38	26	9	21	15	5	2	5	22	22	13	11	11	6	5	8	2	3	3							1035598.0
1955			2		11	29	21	35	17	6	26	41	17	20	16	14	15	4	3	5	6	8	3	9	23	15	19											1045677.0
1956					4	2	3	10	43	42	39	23	16	10	17	7	5	16	11	12	4	5	12	6	6	10	19	6	8	10	2	10	8					1716176.0
1957				1		1	3	42	39	22	14	17	7	11	20	20	26	16	5	4	6	10	4	11	3	2	4	9	16	11	5	20	3	2	4	2		2206763.0
1961				3	1		13	35	33	32	67	36	19	4	3	24	17	14	11	6	4	10	2	5	7	10	8	1										822995.0
1962					2	1	1	3	16	21	25	34	6	24	39	18	16	11	15	5	3	2	5	5	6	6	14	17	25	17	8	14	6					2195679.0
1963	14	6	23	48	33	17	53	13	11	30	26	5	9	7	10	9	10	5	3	3	10	14	3	3														532107.0
1964	14	8	11	7	12	12	7	1	22	34	47	13	8	22	18	15	18	21	10	8	7	6	9	11	7	6	2	6	4							1033825.0
1965								3	3	8	13	7	6	5	14	44	33	26	18	66	15	14	11	9	15	16	3	9	7							1750991.0
1966											7	8	26	88	45	40	30	25	14	14	21	24	12	5	5	1										1173240.0
1967										1	1	1	7	16	35	49	46	42	57	28	15	9	7	9	2	7	17	4	8	4						1478642.0
1968													1	9	11	9	31	62	51	66	38	10	12	5	6	16	19	5	5	8	2					1806230.0
1969													1	1	2	10	34	63	56	25	59	24	12	19	17	8	18	11	5							1818960.0
1970													5	10	26	37	68	61	37	36	8	9	4	3	4	5	21	10	4	11	6					1707780.0
1971										1	2	22	38	58	36	58	28	7	5	11	8	7	10	6	15	21	11	15	3	1						1626430.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1962	0.240E 04	0.173E 04	0.115E 04	0.102E 04	0.468E 04	0.444E 04	0.154E 05	0.171E 05	0.138E 05	0.734E 04	0.235E 04	0.981E 03
1963	0.111E 04	0.593E 03	0.528E 03	0.747E 03	0.114E 04	0.949E 03	0.203E 04	0.551E 04	0.343E 04	0.498E 03	0.453E 03	0.505E 03
1964	0.346E 03	0.632E 03	0.104E 04	0.120E 04	0.131E 04	0.102E 04	0.246E 04	0.876E 04	0.817E 04	0.415E 04	0.239E 04	0.239E 04
1965	0.274E 04	0.266E 04	0.348E 04	0.421E 04	0.445E 04	0.442E 04	0.694E 04	0.972E 04	0.117E 05	0.386E 04	0.169E 04	0.183E 04
1966	0.244E 04	0.270E 04	0.258E 04	0.182E 04	0.188E 04	0.399E 04	0.542E 04	0.680E 04	0.431E 04	0.214E 04	0.219E 04	0.224E 04
1967	0.252E 04	0.192E 04	0.220E 04	0.266E 04	0.219E 04	0.233E 04	0.368E 04	0.754E 04	0.114E 05	0.518E 04	0.357E 04	0.342E 04
1968	0.361E 04	0.344E 04	0.359E 04	0.354E 04	0.266E 04	0.219E 04	0.382E 04	0.100E 05	0.132E 05	0.560E 04	0.417E 04	0.340E 04
1969	0.292E 04	0.306E 04	0.297E 04	0.362E 04	0.475E 04	0.387E 04	0.820E 04	0.117E 05	0.717E 04	0.440E 04	0.378E 04	0.341E 04
1970	0.295E 04	0.288E 04	0.373E 04	0.244E 04	0.215E 04	0.229E 04	0.393E 04	0.129E 05	0.125E 05	0.493E 04	0.284E 04	0.245E 04
1971	0.194E 04	0.188E 04	0.195E 04	0.249E 04	0.179E 04	0.259E 04	0.713E 04	0.106E 05	0.132E 05	0.463E 04	0.276E 04	0.255E 04

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.2298E 04	0.2149E 04	0.2323E 04	0.2373E 04	0.2699E 04	0.2810E 04	0.5896E 04	0.1006E 05	0.9869E 04	0.4272E 04	0.2618E 04	0.2317E 04
0.9057E 06	0.9565E 06	0.1314E 07	0.1393E 07	0.1953E 07	0.1705E 07	0.1529E 08	0.1111E 08	0.1464E 08	0.3505E 07	0.1178E 07	0.9969E 06
0.9517E 03	0.9780E 03	0.1146E 04	0.1180E 04	0.1398E 04	0.1306E 04	0.3910E 04	0.3334E 04	0.3826E 04	0.1872E 04	0.1085E 04	0.9985E 03
-0.1012E 01	-0.5603E 00	-0.2679E 00	0.9682E-01	0.6919E 00	-0.8325E-01	0.1715E 01	0.8452E 00	-0.7578E 00	-0.6615E 00	-0.5306E 00	-0.6328E 00
0.4142E 00	0.4551E 00	0.4935E 00	0.4972E 00	0.5179E 00	0.4646E 00	0.6631E 00	0.3313E 00	0.3877E 00	0.4383E 00	0.4145E 00	0.4308E 00
0.4624E 01	0.4325E 01	0.4675E 01	0.4777E 01	0.5431E 01	0.5656E 01	0.1187E 02	0.2025E 02	0.1986E 02	0.8597E 01	0.5269E 01	0.4664E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.937	0.830	*	*	*	*	*	*	*	*	*
*	1.000	0.926	0.779	*	*	*	*	*	*	*	*
*	*	1.000	0.846	0.345	*	*	*	*	*	*	*
*	*	*	1.000	0.497	0.406	*	*	*	*	*	*
*	*	*	*	1.000	0.814	0.765	*	*	*	*	*
*	*	*	*	*	1.000	0.770	0.489	*	*	*	*
*	*	*	*	*	*	1.000	0.803	0.408	*	*	*
*	*	*	*	*	*	*	1.000	0.674	0.817	*	*
*	*	*	*	*	*	*	*	1.000	0.867	0.493	*
*	*	*	*	*	*	*	*	*	1.000	0.653	0.347
*	*	*	*	*	*	*	*	*	*	1.000	0.904
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.765
SEPT-OCT 0.922
SEPT-NOV 0.901

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.336	0.439	0.384	0.233	-0.327	-0.145	-0.484	-0.154	-0.338	-0.410	0.461	0.606

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09262000 Big Brush Creek near Vernal, Utah

LOCATION.--Lat 40°34'54", long 109°26'03", in SE¼SE¼SW¼ sec.3, T.3 S., R.22 E., Uintah County, on left bank 3 miles (5 km) upstream from Little Brush Creek and 10 miles (16 km) northeast of Vernal.

DRAINAGE AREA.--82 sq mi (212 km^2), approximately.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,530 ft (1,686 m) from topographic map. Prior to Apr. 25, 1959, water-stage recorder at site 0.4 mile (0.6 km) downstream at different datum. Apr. 25, 1959, to Mar. 5, 1968, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

EXTREMES.--Maximum discharge, 543 ft^3/s (15.4 m^3/s) July 12, 1962 (gage height, 4.73 ft or 1.442 m, present datum), from rating curve extended above 370 ft^3/s (10.5 m^3/s); minimum recorded, 1.6 ft^3/s (0.045 m^3/s) Mar. 12, 1951.

REMARKS.--Two small diversions above station for irrigation of about 80 acres (32 hm^2) lying both above and below station. Since July 1940, water from Oaks Park Reservoir on headwaters, capacity, 6,250 acre-ft (7.70 hm^3) has been diverted above station to Ashley Creek basin for irrigation through Oaks Park Canal.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	10.00 8	10.00 8	10.00 8	10.00 7	10.00 7	10.50 7	10.70 7	10.80 6	11.60 5	23.70 7
1942	12.00 18	12.00 21	12.00 21	12.20 20	13.10 22	16.70 27	17.30 27	19.00 27	28.90 27	52.70 25
1943	10.00 9	10.70 12	11.90 14	12.00 17	12.20 17	12.80 18	13.10 18	13.50 20	14.80 19	49.50 21
1944	12.00 19	12.00 22	12.00 22	12.00 18	12.00 12	12.00 12	12.30 13	12.60 13	13.10 12	26.70 10
1945	14.00 26	14.00 26	14.00 26	14.00 24	14.30 26	14.50 24	14.70 24	15.20 24	16.60 25	53.10 26
1946	11.00 14	11.70 15	11.90 15	11.90 13	12.00 13	12.40 15	12.70 16	13.10 17	14.60 17	30.10 12
1947	14.00 27	14.00 27	14.00 27	14.00 25	14.10 25	14.60 25	14.80 25	15.20 25	15.20 21	20.70 4
1948	12.00 20	12.00 16	12.00 16	12.40 21	12.70 19	13.00 19	13.30 19	13.50 18	15.00 20	56.60 27
1949	12.00 21	12.00 17	12.00 17	12.00 19	12.30 18	12.70 17	12.80 17	12.90 15	13.80 15	34.00 14
1950	13.00 25	13.30 24	13.70 24	14.10 27	14.40 27	14.70 26	15.30 26	15.90 26	18.90 26	49.50 22
1951	12.00 22	12.00 18	12.00 18	12.40 22	12.80 20	13.10 20	13.50 20	14.20 21	15.50 22	48.40 20
1952	9.00 6	9.00 6	9.00 6	9.29 6	9.67 5	9.83 4	10.20 5	10.70 5	11.90 8	25.40 8
1953	13.00 23	14.00 25	14.00 25	14.00 26	14.00 24	14.10 23	14.20 23	14.20 22	14.80 18	50.20 23
1954	11.00 15	11.30 14	11.70 13	11.90 14	12.00 14	12.20 13	12.20 12	12.50 12	13.00 11	26.30 9
1955	7.60 2	7.87 3	8.44 4	8.72 4	9.78 6	10.40 6	10.60 6	11.10 7	11.90 9	22.10 5
1956	10.00 10	10.00 9	10.00 7	10.10 8	10.80 8	10.80 8	11.00 8	11.10 8	11.60 6	19.80 3
1957	10.00 11	10.00 10	10.10 9	10.60 9	10.80 9	10.90 9	11.00 9	11.10 9	11.30 4	22.40 6
1958	8.00 4	8.00 4	8.00 3	8.11 3	8.40 2	8.71 2	9.43 3	9.92 3	10.80 3	18.80 2
1963	7.60 3	7.80 2	7.86 2	8.10 2	8.55 3	10.30 5	10.20 4	10.40 4	11.80 7	50.30 24
1964	8.30 5	8.57 5	8.84 5	9.00 5	9.10 4	9.26 3	9.38 2	9.55 1	9.92 1	16.30 1
1965	7.50 1	7.57 1	7.81 1	7.91 1	7.96 1	8.27 1	8.81 1	9.72 2	10.30 2	26.80 11
1966	10.00 12	10.00 11	10.70 11	10.90 11	13.20 23	13.30 21	13.80 22	14.20 23	15.90 24	47.40 19
1967	9.70 7	9.80 7	10.30 10	10.70 10	11.10 10	11.40 10	11.40 10	11.60 10	12.20 10	31.20 13
1968	12.00 16	12.00 19	12.00 19	12.00 15	12.10 16	12.60 16	12.50 14	12.80 14	14.20 16	43.60 16
1969	13.00 24	13.00 23	13.00 23	13.00 23	13.00 21	13.50 22	13.60 21	13.50 19	15.60 23	45.60 18
1970	12.00 17	12.00 20	12.00 20	12.00 16	12.00 15	12.30 14	12.70 15	13.00 16	13.50 13	37.10 15
1971	11.00 13	11.00 13	11.00 12	11.00 12	11.40 11	11.70 11	11.90 11	12.40 11	13.50 14	44.20 17

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	259.0 11	256.0 10	247.0 11	237.0 11	234.0 9	185.0 5	135.0 9	106.0 9	76.4 9	44.0 11
1942	289.0 4	287.0 4	280.0 3	272.0 3	244.0 4	178.0 10	143.0 5	116.0 5	84.1 5	56.5 2
1943	132.0 24	127.0 24	123.0 23	111.0 23	97.0 23	79.9 21	63.7 20	52.9 20	40.4 20	27.6 19
1944	294.0 3	288.0 3	274.0 4	272.0 4	263.0 2	220.0 1	159.0 3	126.0 3	89.4 2	51.2 3
1945	176.0 20	171.0 20	156.0 20	139.0 21	125.0 19	98.2 19	73.9 18	60.3 18	45.5 18	31.1 18
1946	96.0 28	89.0 28	80.4 27	69.2 27	55.5 28	44.5 27	36.7 27	31.6 27	26.0 26	20.3 25
1947	253.0 12	248.0 14	246.0 12	235.0 12	230.0 10	213.0 2	169.0 1	137.0 1	98.3 1	56.9 1
1948	225.0 17	221.0 17	216.0 18	204.0 17	178.0 16	114.0 16	87.0 16	72.2 16	54.1 16	34.6 16
1949	250.0 14	250.0 12	245.0 13	230.0 14	220.0 13	183.0 7	137.0 8	111.0 8	80.0 7	47.0 7
1950	260.0 10	253.0 11	249.0 10	247.0 8	237.0 7	180.0 9	140.0 6	113.0 6	81.1 6	50.1 5
1951	200.0 19	198.0 19	190.0 19	170.0 19	123.0 20	80.5 20	62.1 21	51.4 22	38.9 22	27.2 20
1952	281.0 6	279.0 5	267.0 7	254.0 7	235.0 8	203.0 4	149.0 4	119.0 4	85.5 4	48.8 6
1953	155.0 22	154.0 21	148.0 21	141.0 20	121.0 21	79.3 22	62.1 22	52.3 21	39.6 21	27.2 21
1954	141.0 23	133.0 23	121.0 24	103.0 24	87.2 24	64.2 24	49.1 24	41.6 24	32.3 24	22.7 23
1955	101.0 26	97.0 26	86.3 26	74.1 26	61.1 26	51.2 26	41.5 25	35.7 25	27.9 25	19.9 26
1956	159.0 21	153.0 22	135.0 22	113.0 22	101.0 22	68.3 23	53.2 23	43.9 23	33.6 23	22.6 24
1957	243.0 15	240.0 15	236.0 15	231.0 13	216.0 14	150.0 14	113.0 13	91.7 13	65.6 14	38.5 14
1961	107.0 25	105.0 25	102.0 25	90.1 25	73.8 25	52.2 25	39.9 26	33.1 26	25.9 27	18.3 27
1962	284.0 5	279.0 6	271.0 5	256.0 6	245.0 3	212.0 3	159.0 2	126.0 2	89.0 3	50.2 4
1963	96.0 27	90.7 27	72.7 28	65.4 28	57.3 27	44.2 28	34.9 28	29.3 28	23.0 28	17.3 28
1964	222.0 18	219.0 18	217.0 17	190.0 18	147.0 18	100.0 18	73.6 19	59.4 19	43.3 19	26.6 22
1965	320.0 2	317.0 2	306.0 2	284.0 2	243.0 5	184.0 6	138.0 7	112.0 7	78.7 8	44.6 9
1966	268.0 8	268.0 8	256.0 9	217.0 16	169.0 17	113.0 17	84.7 17	67.9 17	50.2 17	33.1 17
1967	252.0 13	249.0 13	243.0 14	238.0 10	227.0 11	171.0 12	125.0 12	100.0 12	73.0 12	42.7 12
1968	435.0 1	420.0 1	377.0 1	327.0 1	270.0 1	177.0 11	131.0 11	105.0 10	75.6 10	44.9 8
1969	233.0 16	230.0 16	223.0 16	222.0 15	190.0 15	129.0 15	102.0 15	82.7 15	60.6 15	38.2 15
1970	273.0 7	272.0 7	267.0 6	262.0 5	242.0 6	181.0 8	133.0 10	105.0 11	74.8 11	44.2 10
1971	260.0 9	259.0 9	258.0 8	241.0 9	220.0 12	152.0 13	112.0 14	90.7 14	66.8 13	40.2 13

09262000 Big Brush Creek near Vernal, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10226	100.0	9	20.00	438	3759	36.8	18	60.0	95	1339	13.1	27	180	82	587	5.7
1	7.50	66	10226	100.0	10	22.00	495	3321	32.5	19	67.0	125	1244	12.2	28	200	206	505	4.9
2	8.50	337	10160	99.4	11	25.00	392	2826	27.6	20	76.0	103	1119	10.9	29	230	203	299	2.9
3	9.60	388	9823	96.1	12	29.00	258	2434	23.8	21	86.0	83	1016	9.9	30	260	79	96	.9
4	11.00	629	9435	92.3	13	32.00	271	2176	21.3	22	97.0	80	933	9.1	31	290	11	17	.1
5	12.00	1830	8806	86.1	14	37.00	139	1905	18.6	23	110.0	44	853	8.3	32	330	3	6	.0
6	14.00	1663	6976	68.2	15	41.00	209	1766	17.3	24	120.0	79	809	7.9	33	370	2	3	.0
7	16.00	867	5313	52.0	16	47.00	122	1557	15.2	25	140.0	77	730	7.1	34	420	1	1	
8	18.00	687	4446	43.5	17	53.00	96	1435	14.0	26	160.0	66	653	6.4					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1941				43	56	92	16	5	9	18	28	8	10	8	2	11	2	3	2	1	2	2	2		2		2	1	16	24							16071.0
1942								44	51	9	57	14	22	22	15	14	14	13	11	13	11	5	3	2	4	8	4	3	4	9	13						20621.0
1943			1	2	54	70	69	54	20	8	12	4	5	3	6	6	1	7	15	5	7	7	4	5													10067.0
1944					131	70	10	4	4	23	25	12	17	1	3	4	1	1	2	1	3	1	1	1	3	2	4	4	18	19	1						18746.0
1945						112	33	86	44	13	12	4	5	1	4	1	2	3	5	3	5	8	3	12	6	3												11339.0
1946				1	82	100	54	42	11	13	9	4	9	11	14	3	1	2	4	3	2																7402.0
1947						122	68	6	2	10	23	7	13	12	10	6	3	5	5	3	2	2	1	2	5	3	11	31	13								20781.0
1948						54	95	23	8	30	31	30	19	15	4	13	3	3	5	3	1	1	2	1	1	2	2	8	12								12653.0
1949						120	42	33	14	14	11	5	9	28	12	6	7		2	4	3	1	2	3	3	5	3	6	23	9							17144.0
1950						2	64	49	58	41	16	21	12	13	2	7	3	4	1	6	6	6	5	1	7	3	3	3	9	22	1							18287.0
1951						69	73	50	61	28	20	4	5	8	5	6	2	3	7	4	1	1	2	2	1	1	6	5	1									9918.0
1952			10	50	35	46	28	17	28	5	19	18	18	17	4	6		3	2	5	1	1	2	1	1	1	1	7	12	18	10						17856.0
1953						12	173	44	21	8	17	24	14	8	3	5	1	2	4	3	3	1	1		11	10												9918.0
1954						41	191	20	20	17	11	14	8	1	5	2	2	9	4	4	4	7	7	1	3	2	1												8291.0
1955			3	13	1	76	112	37	14	11	14	24	6	3	3	3	9	12	13	1	2	5	1	2														7264.3
1956						36	43	121	46	37	9	1	8	4	9	8	3	8	3	2	2	3	4	4	4	3	4	4											8256.0
1957						19	100	93	3	9	8	7	5	18	26	4	2	6	3	5	3	5	8	4	3		3	1	3	4	13	10						14056.0
1961			3	56	68	57	71	26	14	7	4	6	4	3	9	1	11	3	2	1	5	3	5	6														6686.9
1962			13	66	9	41	33	5	33	30	14	14	9	9	6		5	3	5	2	1	3	2	2	2	3	6	5	4	11	23	6					18309.0
1963			13	43	58	75	66	11	23	12	5	5	6	4	4	5	9	5	7	8	3	1	2															6315.1
1964				103	59	26	33	30	19	16	11	10	7	1	3	1	3	1	1	1	2	6	5	7	4	2	3	3	2	7								9733.2
1965			34	46	40	33	35	9	29	9	9	4	4	13	8	9	11	7	3	6	2	3	2	2	2	4	4	5	5	9	6	6	6					16265.2
1966						42	75	89	36	29	13	6	7	5	7	7	2	4	4	5	3	5	4		2	3	6	2	3	2	4								12071.0
1967				4	60	103	22	5	8	14	22	44	4	8	5	7	4	3	1	4		1	2	1	1	3	5	5	9	20								15567.4
1968						100	51	21	41	29	15	6	12	13	4	10	9		4	6	5	2	3	2	2	2	2	3	2	4	8	4	3	2	1				16423.0
1969						71	85	20	8	26	36	27	8	7	7	7	6	4	3	4	8	8	3	3	3	3	3	2	13	4								13925.0
1970						80	119	23	15	17	14	9	10	7	7	5	4	4	1	3	1	1	2		1	1	2	5	12	12	10								16144.0
1971						20	89	59	12	18	13	39	29	8	13	8	5	1	1	1	2	3	2	2	5	2	2	3	2	15	9	2								14680.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.167E 02	0.127E 02	0.114E 02	0.114E 02	0.113E 02	0.118E 02	0.376E 02	0.116E 03	0.204E 02	0.148E 02	0.121E 02	0.128E 02
1941	0.131E 02	0.125E 02	0.101E 02	0.110E 02	0.113E 02	0.112E 02	0.131E 02	0.183E 03	0.181E 03	0.341E 02	0.221E 02	0.247E 02
1942	0.554E 02	0.408E 02	0.240E 02	0.180E 02	0.167E 02	0.174E 02	0.612E 02	0.159E 03	0.192E 03	0.443E 02	0.271E 02	0.205E 02
1943	0.178E 02	0.164E 02	0.135E 02	0.126E 02	0.136E 02	0.145E 02	0.584E 02	0.844E 02	0.458E 02	0.206E 02	0.172E 02	0.156E 02
1944	0.146E 02	0.135E 02	0.130E 02	0.120E 02	0.120E 02	0.133E 02	0.156E 02	0.170E 03	0.242E 03	0.572E 02	0.286E 02	0.231E 02
1945	0.201E 02	0.184E 02	0.166E 02	0.149E 02	0.143E 02	0.148E 02	0.161E 02	0.986E 02	0.946E 02	0.258E 02	0.189E 02	0.187E 02
1946	0.183E 02	0.165E 02	0.144E 02	0.130E 02	0.123E 02	0.128E 02	0.402E 02	0.404E 02	0.271E 02	0.177E 02	0.163E 02	0.141E 02
1947	0.152E 02	0.159E 02	0.163E 02	0.150E 02	0.145E 02	0.152E 02	0.350E 02	0.221E 03	0.200E 03	0.726E 02	0.345E 02	0.260E 02
1948	0.202E 02	0.158E 02	0.140E 02	0.140E 02	0.129E 02	0.131E 02	0.193E 02	0.136E 03	0.896E 02	0.317E 02	0.262E 02	0.215E 02
1949	0.169E 02	0.138E 02	0.130E 02	0.130E 02	0.127E 02	0.130E 02	0.340E 02	0.199E 03	0.158E 03	0.380E 02	0.319E 02	0.197E 02
1950	0.303E 02	0.194E 02	0.176E 02	0.163E 02	0.150E 02	0.144E 02	0.525E 02	0.164E 03	0.186E 03	0.385E 02	0.254E 02	0.202E 02
1951	0.192E 02	0.169E 02	0.163E 02	0.134E 02	0.135E 02	0.135E 02	0.168E 02	0.987E 02	0.594E 02	0.252E 02	0.179E 02	0.139E 02
1952	0.152E 02	0.133E 02	0.112E 02	0.968E 01	0.100E 02	0.132E 02	0.473E 02	0.230E 03	0.158E 03	0.324E 02	0.268E 02	0.176E 02
1953	0.166E 02	0.148E 02	0.145E 02	0.143E 02	0.140E 02	0.144E 02	0.196E 02	0.628E 02	0.935E 02	0.269E 02	0.205E 02	0.139E 02
1954	0.140E 02	0.140E 02	0.125E 02	0.123E 02	0.121E 02	0.136E 02	0.358E 02	0.863E 02	0.256E 02	0.199E 02	0.145E 02	0.148E 02
1955	0.137E 02	0.129E 02	0.982E 01	0.110E 02	0.110E 02	0.125E 02	0.169E 02	0.588E 02	0.414E 02	0.215E 02	0.159E 02	0.125E 02
1956	0.120E 02	0.110E 02	0.110E 02	0.110E 02	0.120E 02	0.137E 02	0.217E 02	0.977E 02	0.352E 02	0.176E 02	0.148E 02	0.119E 02
1957	0.118E 02	0.116E 02	0.113E 02	0.110E 02	0.110E 02	0.111E 02	0.124E 02	0.736E 02	0.213E 03	0.474E 02	0.287E 02	0.195E 02
1961	0.121E 02	0.114E 02	0.123E 02	0.955E 01	0.913E 01	0.960E 01	0.120E 02	0.637E 02	0.393E 02	0.140E 02	0.124E 02	0.135E 02
1962	0.114E 02	0.109E 02	0.955E 01	0.840E 01	0.131E 02	0.169E 02	0.892E 02	0.230E 03	0.145E 03	0.281E 02	0.186E 02	0.187E 02
1963	0.158E 02	0.114E 02	0.106E 02	0.106E 02	0.112E 02	0.117E 02	0.152E 02	0.534E 02	0.335E 02	0.109E 02	0.992E 01	0.129E 02
1964	0.113E 02	0.975E 01	0.928E 01	0.926E 01	0.103E 02	0.969E 01	0.123E 02	0.105E 03	0.891E 02	0.236E 02	0.163E 02	0.129E 02
1965	0.124E 02	0.972E 01	0.946E 01	0.903E 01	0.125E 02	0.982E 01	0.136E 02	0.108E 03	0.243E 03	0.588E 02	0.318E 02	0.173E 02
1966	0.180E 02	0.205E 02	0.152E 02	0.136E 02	0.133E 02	0.147E 02	0.513E 02	0.165E 03	0.328E 02	0.173E 02	0.174E 02	0.153E 02
1967	0.141E 02	0.121E 02	0.120E 02	0.115E 02	0.116E 02	0.116E 02	0.186E 02	0.117E 03	0.211E 03	0.447E 02	0.243E 02	0.238E 02
1968	0.193E 02	0.145E 02	0.129E 02	0.130E 02	0.121E 02	0.133E 02	0.186E 02	0.912E 02	0.255E 03	0.422E 02	0.295E 02	0.190E 02
1969	0.238E 02	0.152E 02	0.130E 02	0.140E 02	0.138E 02	0.133E 02	0.335E 02	0.187E 03	0.668E 02	0.342E 02	0.225E 02	0.175E 02
1970	0.139E 02	0.137E 02	0.133E 02	0.120E 02	0.133E 02	0.150E 02	0.159E 02	0.130E 03	0.223E 03	0.399E 02	0.224E 02	0.184E 02
1971	0.174E 02	0.125E 02	0.120E 02	0.114E 02	0.137E 02	0.136E 02	0.175E 02	0.954E 02	0.204E 03	0.344E 02	0.259E 02	0.251E 02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09262000 Big Brush Creek near Vernal, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1760E 02	0.1490E 02	0.1307E 02	0.1228E 02	0.1255E 02	0.1320E 02	0.2936E 02	0.1248E 03	0.1243E 03	0.3222E 02	0.2173E 02	0.1777E 02
0.6948E 02	0.3212E 02	0.9761E 01	0.4951E 01	0.2647E 01	0.3605E 01	0.3627E 03	0.3060E 04	0.6544E 04	0.2173E 03	0.4361E 02	0.1740E 02
0.8335E 01	0.5667E 01	0.3124E 01	0.2225E 01	0.1627E 01	0.1899E 01	0.1905E 02	0.5532E 02	0.8089E 02	0.1474E 02	0.6603E 01	0.4171E 01
0.3615E 01	0.3593E 01	0.1540E 01	0.4852E 00	0.2278E 00	-0.3003E-01	0.1437E 01	0.4914E 00	0.1524E 00	0.8686E 00	0.1197E 00	0.4040E 00
0.4735E 00	0.3804E 00	0.2390E 00	0.1811E 00	0.1296E 00	0.1438E 00	0.6487E 00	0.4431E 00	0.6506E 00	0.4575E 00	0.3038E 00	0.2347E 00
0.4057E 01	0.3433E 01	0.3013E 01	0.2831E 01	0.2894E 01	0.3044E 01	0.6767E 01	0.2877E 02	0.2866E 02	0.7427E 01	0.5009E 01	0.4095E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.944	0.846	*	*	*	*	*	*	*	*	*
*	1.000	0.907	0.792	*	*	*	*	*	*	*	*
*	*	1.000	0.914	0.768	*	*	*	*	*	*	*
*	*	*	1.000	0.807	0.589	*	*	*	*	*	*
*	*	*	*	1.000	0.781	0.412	*	*	*	*	*
*	*	*	*	*	1.000	0.665	0.395	*	*	*	*
*	*	*	*	*	*	1.000	0.498	-0.107	*	*	*
*	*	*	*	*	*	*	1.000	0.390	0.464	*	*
*	*	*	*	*	*	*	*	1.000	0.858	0.842	*
*	*	*	*	*	*	*	*	*	1.000	0.909	0.755
*	*	*	*	*	*	*	*	*	*	1.000	0.758
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.374
SEPT-OCT 0.609
SEPT-NOV 0.558

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.003	0.053	0.119	0.276	0.056	-0.033	-0.210	-0.205	-0.273	-0.264	-0.002	0.069

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09263500 Brush Creek near Jensen, Utah

LOCATION.--Lat 40°24', long 109°21', in SW¼ sec.4, T.5 S., R.23 E., on right bank 2,000 ft (610 m) upstream from mouth and 2.75 miles (4.43 km) north of Jensen.

DRAINAGE AREA.--255 sq mi (660 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 4,730 ft (1,442 m) from river-profile map. Prior to Nov. 24, 1947, staff gages at three sites within 80 ft (24.4 m) upstream at different datums. Nov. 24, 1947, to Oct. 20, 1954, water-stage recorder at site 15 ft (4.6 m) upstream at different datum.

EXTREMES.--Maximum discharge observed, 900 ft^3/s (25.5 m^3/s) Aug. 17, 1941 (gage height, 5.50 ft or 1.676 m, datum then in use), from rating curve extended above 150 ft^3/s (4.25 m^3/s); no flow for many days in some years.

REMARKS.--Many diversions above station for irrigation.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.03 1	0.03 1	0.75 4	9.38 6
1942	0.00 2	0.00 2	0.00 2	0.50 20	0.50 19	9.38 21	10.00 21	19.90 21	27.40 21	41.00 20
1943	0.00 3	0.00 3	0.00 3	0.00 2	0.10 5	0.20 6	0.26 5	0.74 9	7.05 19	33.90 17
1944	0.00 4	0.00 4	0.00 4	0.00 3	0.00 2	0.40 14	0.98 17	1.19 14	2.79 8	11.50 9
1945	0.20 17	0.20 19	0.21 17	0.34 18	0.44 17	0.47 15	0.53 11	0.75 10	4.97 15	41.70 21
1946	0.10 14	0.10 14	0.10 12	0.16 15	0.29 15	0.66 17	0.78 15	1.78 16	5.02 16	15.80 13
1947	0.00 5	0.00 5	0.00 5	0.01 4	0.10 6	0.30 11	0.36 9	0.54 7	1.24 5	10.80 7
1948	0.20 18	0.20 20	0.24 18	0.27 16	2.50 21	3.15 20	4.63 20	7.23 20	9.69 20	39.90 19
1949	0.10 15	0.10 15	0.10 13	0.10 10	0.16 12	1.12 19	1.35 19	1.78 17	3.39 11	15.60 12
1950	0.00 6	0.10 16	0.10 14	0.10 11	0.28 14	0.31 12	0.65 13	3.57 19	6.69 18	26.80 14
1951	0.40 21	0.47 21	0.50 21	0.50 21	0.52 20	0.69 18	1.29 18	1.40 15	5.09 17	30.20 15
1952	0.00 7	0.07 8	0.10 15	0.11 12	0.15 9	0.22 8	0.68 14	0.83 12	3.20 10	11.50 8
1953	0.20 19	0.20 17	0.31 20	0.38 19	0.44 18	0.52 16	0.58 12	0.81 11	3.97 14	38.30 18
1954	0.20 20	0.20 18	0.24 19	0.30 17	0.37 16	0.39 13	0.49 10	0.48 6	3.47 12	8.72 5
1955	0.10 16	0.10 9	0.10 16	0.14 13	0.16 10	0.17 5	0.23 4	0.58 8	1.86 6	7.77 4
1956	0.00 8	0.00 6	0.00 6	0.05 6	0.18 13	0.25 9	0.32 8	0.36 5	0.40 2	5.97 2
1957	0.00 9	0.00 7	0.00 7	0.01 5	0.05 3	0.08 2	0.09 2	0.12 2	0.72 3	6.36 3
1962	0.10 10	0.10 10	0.10 8	0.10 7	0.13 7	0.21 7	0.29 6	2.19 18	3.49 13	14.90 11
1963	0.10 11	0.10 11	0.10 9	0.14 14	0.16 11	0.30 10	0.79 16	1.01 13	2.28 7	33.20 16
1964	0.10 12	0.10 12	0.10 10	0.10 8	0.10 4	0.12 3	0.18 3	0.22 3	0.31 1	3.93 1
1965	0.10 13	0.10 13	0.10 11	0.10 9	0.13 8	0.16 4	0.32 7	0.35 4	3.00 9	11.70 10

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1940	125.0 16	121.0 16	106.0 15	80.6 15	51.0 15	27.1 15	18.7 16	14.5 19	9.9 21	5.1 22
1941	198.0 9	195.0 8	188.0 7	174.0 7	162.0 7	123.0 6	83.3 7	66.6 7	48.2 8	29.0 7
1942	200.0 8	197.0 7	188.0 8	174.0 8	152.0 8	118.0 7	102.0 5	82.4 5	62.6 5	42.2 2
1943	166.0 12	132.0 13	84.7 16	53.7 17	31.0 17	26.7 16	24.1 14	23.6 13	23.5 13	14.2 13
1944	500.0 1	450.0 1	370.0 1	311.0 1	274.0 1	207.0 1	143.0 1	113.0 1	79.3 1	41.8 3
1945	172.0 11	154.0 11	141.0 11	110.0 11	78.6 12	57.2 11	40.0 12	33.3 12	27.5 12	15.6 12
1946	75.0 21	66.3 20	55.9 19	45.1 18	24.5 18	18.7 18	16.6 18	15.7 17	14.7 17	8.0 17
1947	232.0 5	208.0 5	196.0 6	181.0 6	174.0 5	165.0 3	125.0 4	96.8 4	70.5 4	41.5 4
1948	123.0 17	123.0 14	118.0 14	103.0 13	82.3 11	51.5 12	40.9 11	35.8 11	28.7 11	16.6 11
1949	165.0 13	164.0 10	156.0 10	139.0 10	137.0 9	113.0 9	80.9 9	66.2 8	48.4 7	26.1 9
1950	212.0 7	199.0 6	197.0 5	183.0 5	163.0 6	127.0 5	98.7 6	78.6 6	55.7 6	31.4 6
1951	136.0 14	134.0 12	126.0 12	106.0 12	57.8 14	29.1 14	21.6 15	20.0 15	18.3 15	10.5 14
1952	312.0 3	288.0 2	279.0 2	258.0 2	203.0 2	166.0 2	130.0 3	102.0 3	71.9 3	38.2 5
1953	88.0 18	78.7 18	73.7 17	66.3 16	44.8 16	23.0 17	18.6 17	18.6 16	17.9 16	10.5 15
1954	79.0 19	61.7 21	42.6 20	35.2 19	22.2 19	14.5 22	14.2 21	12.6 21	12.0 19	7.0 18
1955	68.0 22	28.5 23	20.0 23	19.7 23	19.0 21	16.5 19	15.3 19	14.5 18	11.7 20	6.6 20
1956	79.0 20	78.0 19	59.6 18	33.8 20	21.2 20	15.9 20	14.6 20	14.0 20	12.5 18	6.7 19
1957	192.0 10	184.0 9	173.0 9	158.0 9	137.0 10	73.3 10	49.5 10	39.7 10	30.7 10	17.1 10
1961	219.0 6	87.8 17	39.5 21	21.2 22	15.0 23	14.5 21	13.3 22	11.4 22	8.4 22	5.9 21
1962	306.0 4	243.0 4	224.0 4	196.0 4	191.0 3	162.0 4	137.0 2	111.0 2	78.4 2	42.7 1
1963	60.0 23	46.7 22	30.3 22	22.9 21	17.4 22	14.2 23	11.7 23	9.7 23	7.3 23	4.0 23
1964	128.0 15	123.0 15	119.0 13	102.0 14	66.6 13	40.1 13	27.2 13	22.8 14	18.9 14	10.4 16
1965	380.0 2	285.0 3	257.0 3	235.0 3	179.0 4	118.0 8	82.4 8	65.6 9	47.6 9	27.1 8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

	DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	389	8401	100.0	9	1.30	143	5334	63.5	18	13.0	1000	3276	39.0	27	130	153	387	4.6
1	0.10	450	8012	95.4	10	1.70	223	5191	61.8	19	16.0	807	2276	27.1	28	160	168	234	2.7
2	0.20	497	7562	90.0	11	2.10	158	4968	59.1	20	21.0	347	1469	17.5	29	210	48	66	.7
3	0.30	278	7065	84.1	12	2.70	138	4810	57.3	21	27.0	171	1122	13.4	30	270	12	18	.2
4	0.40	356	6787	80.8	13	3.50	153	4672	55.6	22	35.0	123	951	11.3	31	350	3	6	.0
5	0.50	283	6431	76.6	14	4.60	168	4519	53.8	23	45.0	97	828	9.9	32	450	3	3	.0
6	0.60	294	6148	73.2	15	5.90	178	4351	51.8	24	59.0	117	731	8.7	33				
7	0.80	134	5854	69.7	16	7.60	187	4173	49.7	25	76.0	90	614	7.3	34				
8	1.00	386	5720	68.1	17	9.80	710	3986	47.4	26	97.0	137	524	6.2					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09263500 Brush Creek near Jensen, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1940	130							142		52		7	4	2		2	1	2	2	1	2	2	6	5	1	5									1870.0
1941	51					30		20		2		10	4	13	15	22	18	72	37	12	5	3	1	2	1	2	26	19							10597.0
1942	70							5		2		2	3		1		6	1	4	87	43	31	19	33	16	14	13	15							15414.0
1943	92							34		32		1	6	1	3	6	8	6	38	86	27	17	3	2	1		1	1							5173.0
1944			6	6	18	35	9	3	1	21	21	11	2	6	8	6	4	5	70	45	19	8	4	3	2		3	7	16	16	6	2	3		15299.4
1945		9	19	8	15	8	9	18	19	29	11	10	4	3	4	8	20	14	14	94	3	8	6	5	6	14	1	5	1						5701.2
1946	17	22	22	12	35	35	3	3	1	6	5	11	4	3	20	11	11	31	75	21	1	4	3	5	4										2929.9
1947				20	18	1	1	8		1	3	17	5	8	5	8	2	3	15	161	17	22	10	9	6	3	4	12	10	39	2				15160.5
1948			38	15	8	1	3	8	7	11	6	8	2	5	4	19	8	16	13	55	59	42	7	7	2	2	8	12							6064.2
1949		1	30	33	6	5	3	7	7	8	6	4	6	4	5	7	9	7	48	49	42	13	6	1	2	7	6	22	17	4					9512.4
1950				6			26	15	3	28	8	1	10	4	6	1	16	6	48	68	18	12	7	13	11	7	5	11	16	18	1				11474.3
1951		1	32	35	18	24	8	17	8	11	16	20	3	16	2	4		2	11	83	36		1	2	1	2	1	7	4						3842.8
1952			2	3	12	21	31	9	12	2	2	3	18	7	16	3	2	4	13	80	26	11	8	5	6	9	7	8	16	17	8	5				13985.3
1953				4	15	57	2	46	13	34	3	2	12	7	3	7	4	1	2	5	128				7	10	3									3846.1
1954			26	53	11	29	16	11	7	8	5	4	3	7	10	9	33	14	7	96	4	1	2	4	2	2	1									2570.8
1955		7	39	44	29	12	5	7	5	3	6	5	30	12	9	3	4	2	43	64	30	2	3			1										2398.3
1956		20	66	48	26	7	20	12	5	5	4	3	1	1	1	4	5	5	68	32	16	4	5	1	1	3	3									2456.0
1957			24	22	12	15	15	41	10	8	5	5	8	8	10	15	8	10	65	28	22	1		1		2	4	6	13	7						6236.5
1961			51	46	22	36	9	10	8	12	4	6	2	6	15	14	17	6	25	64	1	5	3	1			1				1					2154.8
1962			25	25	8	7	4	11	3	8	4	4	1		2		8	20	77	22	25	8	8	5	7	5	8	17	20	23	9	1				15586.2
1963			52	27	19	25	16	31	9	13	8	12	17	15	25	15	5	6	51	7	8		1	1	1	1										1451.9
1964			30	27	34	39	11	29	9	6		2	6	2	8	6	4	6	94	15	2	3	9	4	4	3	4	9								3811.0
1965			4	42	14	9	5	11	4	6	7	2	2	6	3	5	9	14	47	76	32	14	4	3	5	6	2	8	5	8	11		1			9881.2

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.613E 00	0.100E 01	0.100E 01	0.100E 01	0.200E 01	0.181E 01	0.530E 01	0.474E 02	0.433E 00	0.0	0.968E-01	0.0
1941	0.0	0.640E 01	0.130E 02	0.140E 02	0.180E 02	0.794E 01	0.440E 01	0.123E 03	0.118E 03	0.516E 00	0.210E 02	0.219E 02
1942	0.564E 02	0.410E 02	0.300E 02	0.250E 02	0.237E 02	0.261E 02	0.854E 02	0.104E 03	0.111E 03	0.400E 01	0.419E 00	0.233E 00
1943	0.226E 00	0.128E 02	0.257E 02	0.220E 02	0.239E 02	0.183E 02	0.258E 02	0.110E 02	0.277E 02	0.0	0.203E 01	0.187E 01
1944	0.370E 01	0.199E 01	0.147E 02	0.150E 02	0.140E 02	0.203E 02	0.182E 02	0.201E 03	0.200E 03	0.120E 02	0.532E 00	0.440E 00
1945	0.109E 01	0.708E 01	0.160E 02	0.160E 02	0.165E 02	0.114E 02	0.492E 01	0.519E 02	0.607E 02	0.365E 00	0.103E 01	0.100E 01
1946	0.529E 01	0.114E 02	0.144E 02	0.130E 02	0.123E 02	0.132E 02	0.241E 02	0.115E 01	0.443E 00	0.329E 00	0.128E 01	0.123E 00
1947	0.926E 01	0.137E 02	0.195E 02	0.200E 02	0.200E 02	0.207E 02	0.178E 02	0.154E 03	0.174E 03	0.267E 02	0.188E 02	0.358E 01
1948	0.295E 01	0.945E 01	0.158E 02	0.154E 02	0.182E 02	0.220E 02	0.200E 02	0.612E 02	0.288E 02	0.244E 01	0.229E 01	0.163E 00
1949	0.368E 01	0.503E 01	0.110E 02	0.140E 02	0.164E 02	0.225E 02	0.219E 02	0.118E 03	0.976E 02	0.926E 00	0.300E 00	0.148E 01
1950	0.128E 02	0.113E 02	0.146E 02	0.130E 02	0.110E 02	0.180E 02	0.629E 02	0.117E 03	0.113E 03	0.919E 00	0.577E 00	0.250E 01
1951	0.202E 01	0.900E 01	0.161E 02	0.140E 02	0.150E 02	0.104E 02	0.507E 00	0.439E 02	0.127E 02	0.265E 00	0.115E 01	0.105E 01
1952	0.373E 01	0.929E 01	0.154E 02	0.134E 02	0.140E 02	0.224E 02	0.989E 02	0.188E 03	0.921E 02	0.668E 00	0.558E 00	0.570E 00
1953	0.165E 01	0.762E 01	0.165E 02	0.167E 02	0.166E 02	0.200E 02	0.115E 01	0.164E 02	0.287E 02	0.400E 00	0.477E 00	0.613E 00
1954	0.890E 00	0.108E 02	0.145E 02	0.143E 02	0.103E 02	0.640E 01	0.319E 01	0.211E 02	0.103E 01	0.161E 00	0.194E 00	0.155E 01
1955	0.561E 01	0.282E 01	0.117E 02	0.130E 02	0.140E 02	0.188E 02	0.598E 01	0.552E 01	0.460E 00	0.303E 00	0.606E 00	0.273E 00
1956	0.339E 00	0.521E 01	0.116E 02	0.128E 02	0.126E 02	0.160E 02	0.503E 00	0.205E 02	0.273E 00	0.181E 00	0.935E-01	0.800E-01
1957	0.197E 00	0.381E 01	0.120E 02	0.120E 02	0.146E 02	0.121E 02	0.251E 01	0.808E 01	0.136E 03	0.421E 01	0.147E 01	0.383E 00
1961	0.329E 01	0.421E 01	0.101E 02	0.150E 02	0.134E 02	0.414E 01	0.640E 00	0.651E 01	0.182E 01	0.190E 00	0.235E 00	0.118E 02
1962	0.187E 02	0.103E 02	0.117E 02	0.976E 01	0.382E 02	0.704E 02	0.113E 03	0.169E 03	0.696E 02	0.497E 00	0.206E 00	0.178E 01
1963	0.241E 01	0.323E 01	0.771E 01	0.124E 02	0.150E 02	0.403E 01	0.600E 00	0.193E 01	0.510E 00	0.284E 00	0.110E 00	0.223E 00
1964	0.368E 00	0.603E 00	0.100E 02	0.112E 02	0.120E 02	0.929E 01	0.146E 01	0.464E 02	0.321E 02	0.390E 00	0.581E 00	0.313E 00
1965	0.200E 00	0.481E 01	0.128E 02	0.134E 02	0.132E 02	0.142E 02	0.132E 02	0.480E 02	0.178E 03	0.150E 02	0.331E 01	0.105E 02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5890E 01	0.8379E 01	0.1418E 02	0.1419E 02	0.1587E 02	0.1698E 02	0.2315E 02	0.6795E 02	0.6457E 02	0.3075E 01	0.2496E 01	0.2711E 01
0.1418E 03	0.6519E 02	0.3247E 02	0.2009E 02	0.4390E 02	0.1817E 03	0.1117E 04	0.4142E 04	0.4262E 04	0.4118E 02	0.3101E 02	0.2690E 02
0.1191E 02	0.8074E 01	0.5698E 01	0.4482E 01	0.6626E 01	0.1348E 02	0.3341E 02	0.6436E 02	0.6529E 02	0.6417E 01	0.5569E 01	0.5187E 01
0.3821E 01	0.3158E 01	0.7743E 00	-0.2609E 00	0.1559E 01	0.2904E 01	0.1811E 01	0.8019E 00	0.6993E 00	0.2863E 01	0.3048E 01	0.2876E 01
0.2021E 01	0.9637E 00	0.4019E 00	0.3159E 00	0.4176E 00	0.7940E 00	0.1444E 01	0.9472E 00	0.1011E 01	0.2087E 01	0.2232E 01	0.1913E 01
0.2460E 01	0.3499E 01	0.5921E 01	0.5927E 01	0.6627E 01	0.7091E 01	0.9668E 01	0.2838E 02	0.2697E 02	0.1284E 01	0.1042E 01	0.1132E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09263500 Brush Creek near Jensen, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.891	0.577	*	*	*	*	*	*	*	*	*
*	1.000	0.809	0.684	*	*	*	*	*	*	*	*
*	*	1.000	0.925	0.493	*	*	*	*	*	*	*
*	*	*	1.000	0.448	0.111	*	*	*	*	*	*
*	*	*	*	1.000	0.833	0.572	*	*	*	*	*
*	*	*	*	*	1.000	0.754	0.528	*	*	*	*
*	*	*	*	*	*	1.000	0.635	0.271	*	*	*
*	*	*	*	*	*	*	1.000	0.683	0.394	*	*
*	*	*	*	*	*	*	*	1.000	0.720	0.424	*
*	*	*	*	*	*	*	*	*	1.000	0.520	0.121
*	*	*	*	*	*	*	*	*	*	1.000	0.661
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.666
SEPT-OCT 0.943
SEPT-NOV 0.819

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.167	0.118	0.445	0.305	-0.014	-0.299	-0.254	-0.225	-0.281	-0.106	-0.079	-0.182

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09264000 Ashley Creek below Trout Creek, near Vernal, Utah

LOCATION.--Lat 40°44'00", long 109°40'40", in NE¼ sec.16, T.1 S., R.20 E., on right bank 1,000 ft (305 m) downstream from Trout Creek, 3 miles (5 km) upstream from South Fork, and 21 miles (34 km) northwest of Vernal.

DRAINAGE AREA.--27 sq mi (70 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 9,200 ft (2,804 m) from topographic map.

EXTREMES.--Maximum discharge, 630 ft^3/s (17.8 m^3/s) May 19, 1948 (gage height, 3.67 ft or 1.119 m); minimum observed, 1.2 ft^3/s (0.034 m^3/s) Feb. 24, 1950 (discharge measurement), but may have been less during periods of ice effect or no gage-height record.

REMARKS.--Flow slightly regulated by Long Park Reservoir. No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1945	1.00	1	1.00	1	1.00	1	1.00	1	1.00	1	1.00	1	1.03	1	1.08	1	1.40	1	36.30	9
1946	1.30	3	1.30	3	1.30	3	1.30	3	1.30	3	1.35	3	1.40	3	1.48	3	2.72	4	18.90	4
1947	1.40	4	1.40	4	1.40	4	1.40	4	2.00	5	2.01	5	2.17	5	2.43	6	3.03	7	11.40	1
1948	2.50	10	2.50	10	2.50	10	2.50	10	2.50	10	2.50	9	2.67	9	2.89	9	3.42	9	34.10	8
1949	1.30	2	1.30	2	1.40	2	1.80	2	1.80	2	1.85	2	1.20	2	1.38	2	1.70	2	21.30	5
1950	1.50	5	1.50	5	1.50	5	1.50	5	1.53	4	1.77	4	1.84	4	2.07	4	3.00	6	31.20	7
1951	2.00	6	2.00	6	2.00	6	2.00	6	2.10	6	2.20	6	2.30	6	2.43	5	2.84	5	25.30	6
1952	2.40	9	2.40	9	2.40	9	2.40	9	2.40	9	3.10	10	3.18	10	3.38	10	3.97	10	17.90	3
1953	2.30	8	2.30	8	2.30	8	2.30	7	2.30	7	2.35	7	2.40	7	2.45	7	3.07	8	37.30	10
1954	2.00	7	2.07	7	2.20	7	2.30	8	2.30	8	2.35	8	2.40	8	2.45	8	2.48	3	16.40	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1944	412.0	1	396.0	1	338.0	1	311.0	1	281.0	1	197.0	1	140.0	1	107.0	1	71.0	2	36.4	2
1945	198.0	9	181.0	9	147.0	10	135.0	10	121.0	8	89.6	7	65.2	7	51.1	7	35.0	7	18.3	7
1946	110.0	11	110.0	11	97.1	11	78.7	11	61.1	11	45.1	11	34.4	11	28.0	11	19.8	11	11.2	11
1947	405.0	2	360.0	2	293.0	4	238.0	5	216.0	2	165.0	3	122.0	3	95.6	3	64.8	3	34.0	3
1948	393.0	3	360.0	3	329.0	2	288.0	2	200.0	5	113.0	6	79.2	6	60.8	6	40.9	6	22.1	6
1949	317.0	6	294.0	6	270.0	6	221.0	6	209.0	3	150.0	4	111.0	4	87.9	4	59.3	4	30.6	4
1950	358.0	4	342.0	4	275.0	5	240.0	4	197.0	6	124.0	5	91.1	5	70.2	5	47.7	5	25.4	5
1951	222.0	8	201.0	8	195.0	7	168.0	8	121.0	9	75.1	9	56.6	9	46.1	8	31.8	8	17.4	8
1952	354.0	5	338.0	5	309.0	3	267.0	3	209.0	4	166.0	2	123.0	2	102.0	2	71.3	1	37.6	1
1953	226.0	7	220.0	7	195.0	8	170.0	7	128.0	7	76.1	8	56.9	8	44.5	9	30.2	9	16.7	9
1954	196.0	10	175.0	10	163.0	9	147.0	9	108.0	10	71.0	10	51.4	10	40.6	10	27.8	10	15.2	10

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	4018	100.0	9	4.30	179	1800	44.8	18	22.0	85	820	20.4	27	110	62	292	7.2
1	1.00	175	4018	100.0	10	5.10	185	1621	40.3	19	26.0	81	735	18.3	28	140	43	230	5.7
2	1.20	62	3843	95.6	11	6.20	126	1436	35.7	20	32.0	82	654	16.3	29	160	66	187	4.6
3	1.40	285	3781	94.1	12	7.40	83	1310	32.6	21	38.0	80	572	14.2	30	200	37	121	3.0
4	1.70	314	3496	87.0	13	8.90	113	1227	30.5	22	46.0	41	492	12.2	31	230	47	84	2.0
5	2.10	304	3182	79.2	14	11.00	57	1114	27.7	23	55.0	47	451	11.2	32	280	28	37	.9
6	2.50	473	2878	71.6	15	13.00	68	1057	26.3	24	66.0	41	404	10.1	33	340	8	9	.2
7	3.00	375	2405	59.9	16	15.00	68	989	24.6	25	79.0	40	363	9.0	34	410	1	1	.0
8	3.60	230	2030	50.5	17	18.00	101	921	22.9	26	94.0	31	323	8.0					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1944	31		60	10	7		6	7	17		9	7	7	5	11	6	5	1		1	10	11	7	4		1	1	2	3	6	4	7	4	12	10	3	1	13328.9
1945	90	31	78	6	1	2	3	1	6	18	11	7	15	8	5	6	12	6	2	4	4	4	7	4	4	13	9	4	4							6666.2
1946		31	77	31		26	28	20	18	10	10	6	17	4	3	6	22	8	7	6	17		10		4		4										4094.8
1947				59		31	57	22	29	18	10	10	15	8	3	5	3	6	10	9	3	3	4	4	8	2	8	10	9	11	5	2	1				12411.4
1948					14	86	66	49	41	13	8	4	9	1	8	12	7	3	6	7	2	2	2	2	3	1		1	1	4	7	5	2				8104.1
1949		54		42	32	47	9	12	17	7	11	10	4	3	2	1	3	11	15	12	5	7	11	3	2	2	3	9	6	8	4	9	4				11153.6
1950				28	77		21	27	10	16	54	24	9	10	6	3	2		5	5	13	11	4	2	2	4	3	3	5	9	4	5	2	1			9274.5
1951						89	66	26	35	6	5	8	8	10	10	18	9	11	14	6	6	3	2	6	8	6	1		1	10	1								6334.0
1952							6	86	45	32	12	8	12	8	5	7	9	12	13	14	13	12	10	6	6	3	4	10	5	8	5	9	5	1			13776.6
1953						59	100	41	11	11	27	19	3	6	1	12	7	20	3	5	6	2	1	2	9	2		5	4	5	4							6086.5
1954					2	88	119	12	11	6	10	13	9	14	7	7	9	2	2	3	6	15	4	4	3	2	1	8	3	5								5537.8

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09264000 Ashley Creek below Trout Creek, near Vernal, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	0.303E 01	0.200E 01	0.200E 01	0.150E 01	0.150E 01	0.100E 01	0.200E 01	0.129E 03	0.243E 03	0.384E 02	0.117E 02	0.342E 01
1945	0.261E 01	0.140E 01	0.120E 01	0.110E 01	0.100E 01	0.100E 01	0.150E 01	0.888E 02	0.846E 02	0.186E 02	0.884E 01	0.754E 01
1946	0.716E 01	0.260E 01	0.170E 01	0.150E 01	0.140E 01	0.130E 01	0.275E 02	0.453E 02	0.216E 02	0.135E 02	0.667E 01	0.383E 01
1947	0.468E 01	0.370E 01	0.319E 01	0.250E 01	0.200E 01	0.200E 01	0.583E 01	0.206E 03	0.118E 03	0.359E 02	0.147E 02	0.634E 01
1948	0.474E 01	0.417E 01	0.359E 01	0.300E 01	0.250E 01	0.250E 01	0.318E 01	0.153E 03	0.642E 02	0.150E 02	0.544E 01	0.262E 01
1949	0.248E 01	0.220E 01	0.190E 01	0.124E 01	0.100E 01	0.134E 01	0.188E 02	0.141E 03	0.156E 03	0.260E 02	0.997E 01	0.409E 01
1950	0.520E 01	0.440E 01	0.274E 01	0.200E 01	0.150E 01	0.200E 01	0.346E 01	0.973E 02	0.136E 03	0.341E 02	0.971E 01	0.611E 01
1951	0.409E 01	0.313E 01	0.280E 01	0.250E 01	0.230E 01	0.210E 01	0.240E 01	0.774E 02	0.660E 02	0.205E 02	0.154E 02	0.848E 01
1952	0.557E 01	0.468E 01	0.400E 01	0.335E 01	0.320E 01	0.300E 01	0.355E 02	0.179E 03	0.139E 03	0.293E 02	0.324E 02	0.114E 02
1953	0.548E 01	0.293E 01	0.260E 01	0.250E 01	0.240E 01	0.230E 01	0.275E 01	0.448E 02	0.105E 03	0.189E 02	0.694E 01	0.334E 01
1954	0.245E 01	0.260E 01	0.260E 01	0.250E 01	0.240E 01	0.230E 01	0.120E 02	0.106E 03	0.293E 02	0.985E 01	0.494E 01	0.372E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.4317E 01	0.3074E 01	0.2576E 01	0.2153E 01	0.1927E 01	0.1894E 01	0.1046E 02	0.1152E 03	0.1057E 03	0.2363E 02	0.1152E 02	0.5536E 01
0.2363E 01	0.1113E 01	0.6963E 00	0.5435E 00	0.4902E 00	0.4245E 00	0.1391E 03	0.2707E 04	0.4023E 04	0.9415E 02	0.5986E 02	0.7356E 01
0.1537E 01	0.1055E 01	0.8345E 00	0.7373E 00	0.7001E 00	0.6515E 00	0.1180E 02	0.5203E 02	0.6342E 02	0.9703E 01	0.7737E 01	0.2712E 01
0.2540E 00	0.1290E 00	0.8771E-01	-0.6473E-02	0.2193E 00	-0.4192E-01	0.1354E 01	0.2827E 00	0.7692E 00	0.2455E 00	0.2224E 01	0.1065E 01
0.3561E 00	0.3432E 00	0.3240E 00	0.3424E 00	0.3633E 00	0.3439E 00	0.1128E 01	0.4517E 00	0.6001E 00	0.4106E 00	0.6715E 00	0.4899E 00
0.1499E 01	0.1068E 01	0.8944E 00	0.7478E 00	0.6693E 00	0.6579E 00	0.3631E 01	0.4000E 02	0.3670E 02	0.8206E 01	0.4001E 01	0.1922E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.561	0.340	*	*	*	*	*	*	*	*	*
*	1.000	0.901	0.802	*	*	*	*	*	*	*	*
*	*	1.000	0.951	0.870	*	*	*	*	*	*	*
*	*	*	1.000	0.968	0.963	*	*	*	*	*	*
*	*	*	*	1.000	0.924	0.238	*	*	*	*	*
*	*	*	*	*	1.000	0.244	0.297	*	*	*	*
*	*	*	*	*	*	1.000	0.165	-0.122	*	*	*
*	*	*	*	*	*	*	1.000	0.391	0.526	*	*
*	*	*	*	*	*	*	*	1.000	0.860	0.344	*
*	*	*	*	*	*	*	*	*	1.000	0.471	0.277
*	*	*	*	*	*	*	*	*	*	1.000	0.853
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.354
SEPT-OCT 0.699
SEPT-NOV 0.298

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.255	0.079	0.249	0.337	0.409	0.496	-0.438	-0.242	-0.181	-0.338	-0.002	0.026

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09264500 South Fork Ashley Creek near Vernal, Utah

LOCATION.--Lat 40°44'00", long 109°42'10", in NE¼ sec.17, T.1 S., R.20 E., on right bank at lower end of Hicks Park, 3.25 miles (5.23 km) upstream from mouth, and 21 miles (34 km) southwest of Vernal.

DRAINAGE AREA.--20 sq mi (52 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 9,360 ft (2,853 m) by barometer.

EXTREMES.--Maximum discharge, 460 ft^3/s (13.0 m^3/s) June 18, 1949 (gage height, 3.84 ft or 1.170 m); minimum observed, 0.8 ft^3/s (0.023 m^3/s) (discharge measurement), but may have been less during periods of ice effect or no gage-height record.

REMARKS.--Flow slightly regulated at headwaters by Twin and Goose Lake Reservoirs, capacity, 500 acre-ft (0.617 hm^3). No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1945	1.20	3	1.20	3	1.20	3	1.20	3	1.20	3	1.20	2	1.23	2	1.28	2	1.62	1	27.60	9
1946	1.70	5	1.70	5	1.70	5	1.70	5	1.70	5	2.00	6	2.07	6	2.17	6	3.03	8	17.50	5
1947	2.00	8	2.00	8	2.00	8	2.00	8	3.50	11	3.50	11	3.57	11	3.71	11	4.43	11	9.80	1
1948	2.50	11	2.50	11	2.50	11	2.50	11	2.50	10	2.50	9	2.60	10	2.75	9	3.35	9	28.10	10
1949	1.60	4	1.60	4	1.60	4	1.60	4	1.60	4	1.62	4	1.71	4	1.81	4	2.18	3	16.10	4
1950	1.00	1	1.00	1	1.00	1	1.00	1	1.03	2	1.27	3	1.34	3	1.57	3	2.60	6	24.20	8
1951	1.80	6	1.80	6	1.80	6	1.80	6	1.80	6	1.90	5	2.00	5	2.13	5	2.53	5	23.60	7
1952	2.00	7	2.00	7	2.00	7	2.00	7	2.00	7	2.50	10	2.55	9	2.78	10	3.77	10	19.30	6
1953	2.20	9	2.20	9	2.20	9	2.20	9	2.20	8	2.25	7	2.30	7	2.35	7	2.76	7	30.10	11
1954	2.20	10	2.20	10	2.20	10	2.20	10	2.20	9	2.25	8	2.30	8	2.35	8	2.44	4	15.50	3
1955	1.00	2	1.00	2	1.00	2	1.00	2	1.00	1	1.00	1	1.03	1	1.12	1	1.75	2	13.50	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1944	245.0	7	228.0	7	207.0	5	191.0	3	182.0	1	141.0	1	103.0	1	80.0	1	53.5	2	27.7	3
1945	124.0	10	112.0	10	92.1	11	83.1	11	78.9	10	70.1	9	56.8	7	46.2	7	31.8	7	16.8	7
1946	80.0	12	65.3	12	56.1	12	44.5	12	37.4	12	33.4	12	25.0	12	20.1	12	15.1	12	9.1	12
1947	240.0	8	213.0	8	181.0	8	147.0	8	141.0	5	122.0	2	95.8	2	76.4	3	52.9	3	28.7	2
1948	248.0	6	233.0	5	208.0	4	181.0	5	138.0	6	79.8	7	56.8	8	44.1	8	30.0	8	16.7	8
1949	274.0	3	246.0	4	219.0	3	197.0	2	159.0	3	112.0	5	83.5	5	66.8	4	45.6	4	24.0	4
1950	264.0	4	253.0	3	206.0	6	184.0	4	160.0	2	115.0	4	84.0	4	65.2	5	44.6	5	23.6	5
1951	288.0	1	275.0	1	240.0	2	156.0	6	122.0	7	79.9	6	60.2	6	50.6	6	34.9	6	18.8	6
1952	274.0	2	269.0	2	247.0	1	216.0	1	153.0	4	122.0	3	92.5	3	79.5	2	57.3	1	30.6	1
1953	249.0	5	230.0	6	193.0	7	149.0	7	117.0	8	72.9	8	53.3	9	41.8	9	28.5	9	15.7	9
1954	168.0	9	151.0	9	131.0	9	116.0	9	83.6	9	53.8	11	41.8	10	35.8	10	25.2	10	13.8	10
1955	116.0	11	109.0	11	95.4	10	87.9	10	71.8	11	56.0	10	40.6	11	34.9	11	24.5	11	13.2	11

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	4383	100.0	9	3.90	212	2169	49.5	18	18.0	117	1037	23.7	27	84	67	322	7.3
1	1.00	174	4383	100.0	10	4.60	177	1957	44.6	19	21.0	108	920	21.0	28	100	71	255	5.8
2	1.20	109	4209	96.0	11	5.50	135	1780	40.6	20	25.0	89	812	18.5	29	120	49	184	4.1
3	1.40	257	4100	93.5	12	6.50	148	1645	37.5	21	30.0	93	723	16.5	30	140	50	135	3.0
4	1.70	116	3843	87.7	13	7.70	90	1497	34.2	22	36.0	52	630	14.4	31	170	39	85	1.9
5	2.00	412	3727	85.0	14	9.20	101	1407	32.1	23	42.0	58	578	13.2	32	200	21	46	1.0
6	2.30	612	3315	75.6	15	11.00	92	1306	29.8	24	50.0	68	520	11.9	33	230	24	25	.5
7	2.80	238	2703	61.7	16	13.00	79	1214	27.7	25	60.0	83	452	10.3	34	280	1	1	.0
8	3.30	296	2465	56.2	17	15.00	98	1135	25.9	26	71.0	47	369	8.4					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1944	31 60 91 18 18 8 12 11 4 5 4 4 5 7 7 5 3 4 5 4 5 5 2 3 5 7 14 10 5 4	10123.4
1945	90 61 30 19 2 5 3 3 9 15 6 6 7 4 7 9 7 6 14 6 6 10 14 7 10 7 2	6117.5
1946	31 79 31 5 28 17 43 19 23 6 9 8 3 3 8 7 14 12 4 6 7 1 1	3318.9
1947	90 66 7 18 26 9 20 5 8 10 12 6 4 3 7 5 2 8 6 7 21 8 10 4 2 1	10480.2
1948	85 66 40 35 21 15 10 12 12 9 5 8 5 2 6 2 1 2 2 2 4 2 1 3 8 4 2 2	6101.4
1949	54 23 46 39 19 15 9 15 7 8 6 3 8 5 9 5 14 14 3 4 6 8 6 9 4 4 4 4 7 4 3	8743.4
1950	28 62 18 28 7 15 13 33 23 19 13 8 9 9 4 4 6 3 5 4 5 9 2 5 7 9 6 6 2 3	8629.2
1951	31 90 38 28 24 7 4 6 5 5 6 12 17 10 22 6 8 2 7 5 11 7 3 4 2 4 1	6848.7
1952	6 61 29 36 21 11 12 15 12 6 4 3 6 12 14 11 24 8 7 8 11 8 12 5 5 5 3 6 5	11185.3
1953	31122 42 23 16 9 11 9 8 9 6 5 8 19 6 2 2 1 1 2 9 1 8 6 3 1 3 2	5716.7
1954	31161 8 10 8 11 3 2 5 10 10 5 12 22 15 12 12 1 4 4 1 3 3 6 4 2	5052.3
1955	115 19 20 1 1 29 14 2 5 9 14 10 8 9 16 15 7 8 6 5 6 8 6 10 6 4 6 6	4801.0

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09264500 South Fork Ashley Creek near Vernal, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	0.272E 01	0.200E 01	0.200E 01	0.150E 01	0.150E 01	0.100E 01	0.200E 01	0.755E 02	0.175E 03	0.515E 02	0.135E 02	0.430E 01
1945	0.298E 01	0.150E 01	0.140E 01	0.130E 01	0.120E 01	0.120E 01	0.170E 01	0.614E 02	0.726E 02	0.318E 02	0.158E 02	0.726E 01
1946	0.572E 01	0.363E 01	0.250E 01	0.220E 01	0.210E 01	0.190E 01	0.550E 01	0.373E 02	0.273E 02	0.681E 01	0.772E 01	0.596E 01
1947	0.685E 01	0.483E 01	0.415E 01	0.370E 01	0.350E 01	0.350E 01	0.637E 01	0.129E 03	0.109E 03	0.451E 02	0.175E 02	0.920E 01
1948	0.524E 01	0.380E 01	0.323E 01	0.280E 01	0.250E 01	0.250E 01	0.289E 01	0.973E 02	0.567E 02	0.125E 02	0.648E 01	0.328E 01
1949	0.314E 01	0.255E 01	0.204E 01	0.170E 01	0.160E 01	0.187E 01	0.107E 02	0.774E 02	0.138E 03	0.298E 02	0.135E 02	0.459E 01
1950	0.512E 01	0.408E 01	0.224E 01	0.150E 01	0.100E 01	0.150E 01	0.362E 01	0.760E 02	0.128E 03	0.418E 02	0.110E 02	0.768E 01
1951	0.379E 01	0.281E 01	0.250E 01	0.220E 01	0.200E 01	0.180E 01	0.200E 01	0.746E 02	0.759E 02	0.191E 02	0.255E 02	0.118E 02
1952	0.724E 01	0.420E 01	0.350E 01	0.265E 01	0.260E 01	0.240E 01	0.212E 02	0.112E 03	0.129E 03	0.274E 02	0.411E 02	0.130E 02
1953	0.428E 01	0.269E 01	0.250E 01	0.240E 01	0.230E 01	0.220E 01	0.265E 01	0.385E 02	0.104E 03	0.156E 02	0.737E 01	0.357E 01
1954	0.272E 01	0.250E 01	0.250E 01	0.240E 01	0.230E 01	0.220E 01	0.865E 01	0.809E 02	0.247E 02	0.155E 02	0.145E 02	0.556E 01
1955	0.378E 01	0.209E 01	0.138E 01	0.110E 01	0.100E 01	0.100E 01	0.133E 01	0.650E 02	0.448E 02	0.101E 02	0.178E 02	0.732E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.4469E 01	0.3057E 01	0.2494E 01	0.2120E 01	0.1967E 01	0.1923E 01	0.5712E 01	0.7706E 02	0.9046E 02	0.2559E 02	0.1598E 02	0.6963E 01
0.2444E 01	0.1059E 01	0.6572E 00	0.5514E 00	0.5533E 00	0.5113E 00	0.3245E 02	0.7092E 03	0.2265E 04	0.2167E 03	0.9066E 02	0.9703E 01
0.1563E 01	0.1029E 01	0.8107E 00	0.7425E 00	0.7439E 00	0.7151E 00	0.5697E 01	0.2663E 02	0.4760E 02	0.1472E 02	0.9522E 01	0.3115E 01
0.5908E 00	0.2556E 00	0.6088E 00	0.6077E 00	0.4450E 00	0.6694E 00	0.2080E 01	0.3717E 00	0.1576E 00	0.4980E 00	0.1824E 01	0.8021E 00
0.3498E 00	0.3366E 00	0.3250E 00	0.3502E 00	0.3782E 00	0.3719E 00	0.9974E 00	0.3456E 00	0.5262E 00	0.5754E 00	0.5959E 00	0.4473E 00
0.1879E 01	0.1286E 01	0.1049E 01	0.8916E 00	0.8271E 00	0.8085E 00	0.2402E 01	0.3241E 02	0.3804E 02	0.1076E 02	0.6720E 01	0.2928E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.907	0.786	*	*	*	*	*	*	*	*	*
*	1.000	0.861	0.735	*	*	*	*	*	*	*	*
*	*	1.000	0.956	0.923	*	*	*	*	*	*	*
*	*	*	1.000	0.984	0.971	*	*	*	*	*	*
*	*	*	*	1.000	0.942	0.393	*	*	*	*	*
*	*	*	*	*	1.000	0.406	0.602	*	*	*	*
*	*	*	*	*	*	1.000	0.470	0.221	*	*	*
*	*	*	*	*	*	*	1.000	0.291	0.453	*	*
*	*	*	*	*	*	*	*	1.000	0.813	0.219	*
*	*	*	*	*	*	*	*	*	1.000	0.136	0.133
*	*	*	*	*	*	*	*	*	*	1.000	0.874
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.243
SEPT-OCT 0.514
SEPT-NOV 0.303

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.093	0.179	0.233	0.283	0.254	0.302	-0.386	-0.256	-0.007	-0.217	-0.006	0.120

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09265300 Ashley Creek above Red Pine Creek, near Vernal, Utah

LOCATION.--Lat 40°40'47", long 109°39'37", in NE¼ sec.3, T.2 S., R.20 E., Uintah County, Ashley National Forest, on right bank 0.2 mile (0.3 km) upstream from Cow Hollow and 17 miles (27 km) north-northwest of Vernal.

DRAINAGE AREA.--55.8 sq mi (144.5 km^2).

GAGE.--Water-stage recorder. Datum of gage is 7,870.03 ft (2,398.785 m) above mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Maximum discharge, about 7,400 ft^3/s (210 m^3/s) June 10, 1965 (gage height, 12.13 ft or 3.697 m, from floodmarks), from rating curve extended above 420 ft^3/s (11.9 m^3/s) on basis of an estimate at peak flow based on a field survey; minimum recorded, about 0.80 ft^3/s (0.023 m^3/s) Apr. 22, 1968, result of freezeup.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1966	2.00	1	2.00	1	2.00	1	2.00	1	3.33	1	5.35	6	6.01	6	6.97	6	13.20	7	101.00	7
1967	4.00	2	4.27	5	4.36	5	4.51	6	4.63	6	4.86	4	5.15	4	5.57	4	6.91	3	42.60	1
1968	4.00	3	4.00	2	4.00	2	4.00	2	4.13	2	4.30	1	4.48	1	4.62	1	6.28	1	81.60	6
1969	4.00	4	4.07	3	4.11	3	4.19	3	4.48	4	5.04	5	5.41	5	5.72	5	7.42	5	74.40	5
1970	4.10	5	4.10	4	4.16	4	4.23	4	4.37	3	4.66	2	5.05	3	5.37	2	7.03	4	58.00	3
1971	4.50	7	4.50	7	4.50	6	4.50	5	4.51	5	4.67	3	4.92	2	5.39	3	6.89	2	69.10	4
1972	4.30	6	4.43	6	4.57	7	4.70	7	4.73	7	5.55	7	6.10	7	6.99	7	8.67	6	56.30	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1965	1800.0	1	1470.0	1	1080.0	1	815.0	1	624.0	1	439.0	1	339.0	1	273.0	1	189.0	1	97.4	1
1966	567.0	5	514.0	5	437.0	8	314.0	8	287.0	8	190.0	8	140.0	8	112.0	8	78.0	8	45.6	8
1967	940.0	3	858.0	3	742.0	3	607.0	3	538.0	3	415.0	2	297.0	2	231.0	2	157.0	2	82.1	2
1968	1450.0	2	1250.0	2	1000.0	2	765.0	2	597.0	2	355.0	3	263.0	3	208.0	3	141.0	3	73.7	3
1969	515.0	7	493.0	6	473.0	5	454.0	5	377.0	7	269.0	5	202.0	5	158.0	5	109.0	5	58.2	5
1970	629.0	4	613.0	4	584.0	4	555.0	4	483.0	4	340.0	4	246.0	4	193.0	4	131.0	4	69.2	4
1971	538.0	6	491.0	7	440.0	7	410.0	7	381.0	5	263.0	6	196.0	6	152.0	6	104.0	6	55.5	6
1972	494.0	8	483.0	8	459.0	6	423.0	6	378.0	6	245.0	7	181.0	7	141.0	7	97.6	7	53.1	7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2922	100.0	9	10.00	153	1567	53.6	18	63.0	65	611	20.9	27	390	66	155	5.3
1	2.00	20	2922	100.0	10	12.00	192	1414	48.4	19	77.0	58	546	18.7	28	470	45	89	3.0
2	2.40	0	2902	99.3	11	15.00	112	1222	41.8	20	94.0	54	488	16.7	29	580	26	44	1.5
3	3.00	31	2902	99.3	12	19.00	88	1110	38.0	21	110.0	59	434	14.9	30	710	8	18	.6
4	3.70	126	2871	98.3	13	23.00	81	1022	35.0	22	140.0	43	375	12.8	31	870	6	10	.3
5	4.50	426	2745	93.9	14	28.00	80	941	32.2	23	170.0	33	332	11.4	32	1100	1	4	.1
6	5.50	331	2319	79.4	15	34.00	103	861	29.5	24	210.0	42	299	10.2	33	1300	1	3	.1
7	6.70	292	1988	68.0	16	42.00	82	758	25.9	25	260.0	39	257	8.8	34	1600	2	2	.0
8	8.30	129	1696	58.0	17	51.00	65	676	23.1	26	320.0	63	218	7.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1965	20			31	28	31	41	44	17			1		1	9	21	9	7	11	9	18	7	7	6	11	9	7	8	4	4	2		2			35555.4
1966					11	20	27	32	23	37	28	33	16	12	22	19	20	10	7	5	4	5	6	5	9	4	4	4	2								16634.3
1967					12	69	49	48	12	14	13	3	4	19	13	23	8	7	3	4	1	6	4	3	3	5	9	13	8	8	3	1					29971.5
1968					38	11	6	17	18	12	1	5	13	12	7	9	16	8	7	15	12	15	9	2	3	3	1	3	5	5	8	1	3	1	1		26957.3
1969					21	27	76	26	18	15	27	16	16	17	11	6	3	7	10	9	7	5	9	4	8	4	9	8	6								21241.7
1970					15	44	75	35	12	16	21	10	11	15	11	15	7	6	6	7	4	6	4	2	5	4	12	5	11	6							25242.4
1971					1	88	22	50	17	20	31	22	14	4	7	6	5	4	10	7	6	6	5	5	5	7	9	11	3								20267.0
1972						31	24	39	18	50	67	15	14	7	6	9	10	15	7	3	8	4	6	4	3	3	8	13	2								19440.6

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.837E 01	0.733E 01	0.600E 01	0.500E 01	0.400E 01	0.300E 01	0.333E 01	0.180E 03	0.603E 03	0.171E 03	0.118E 03	0.601E 02
1966	0.347E 02	0.144E 02	0.985E 01	0.732E 01	0.596E 01	0.475E 01	0.182E 02	0.281E 03	0.905E 02	0.386E 02	0.237E 02	0.129E 02
1967	0.117E 02	0.723E 01	0.684E 01	0.573E 01	0.507E 01	0.464E 01	0.621E 01	0.253E 03	0.461E 03	0.155E 03	0.370E 02	0.303E 02
1968	0.126E 02	0.647E 01	0.453E 01	0.416E 01	0.479E 01	0.504E 01	0.488E 01	0.809E 02	0.574E 03	0.878E 02	0.711E 02	0.334E 02
1969	0.128E 02	0.849E 01	0.663E 01	0.616E 01	0.559E 01	0.451E 01	0.154E 02	0.368E 03	0.160E 03	0.636E 02	0.234E 02	0.178E 02
1970	0.118E 02	0.862E 01	0.635E 01	0.583E 01	0.495E 01	0.437E 01	0.680E 01	0.276E 03	0.357E 03	0.891E 02	0.314E 02	0.252E 02
1971	0.116E 02	0.778E 01	0.684E 01	0.537E 01	0.475E 01	0.462E 01	0.986E 01	0.176E 03	0.328E 03	0.764E 02	0.208E 02	0.132E 02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09265300 Ashley Creek above Red Pine Creek, near Vernal, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1479E 02	0.8617E 01	0.6720E 01	0.5653E 01	0.5014E 01	0.4418E 01	0.9250E 01	0.2307E 03	0.3677E 03	0.9731E 02	0.4655E 02	0.2756E 02
0.7953E 02	0.7054E 01	0.2543E 01	0.9654E 00	0.3968E 00	0.4338E 00	0.3140E 02	0.8642E 04	0.3804E 05	0.2316E 04	0.1301E 04	0.2705E 03
0.8918E 01	0.2656E 01	0.1595E 01	0.9825E 00	0.6299E 00	0.6586E 00	0.5604E 01	0.9296E 02	0.1950E 03	0.4812E 02	0.3607E 02	0.1645E 02
0.2490E 01	0.2219E 01	0.1128E 01	0.2867E 00	-0.3741E-01	-0.2086E 01	0.8324E 00	-0.2416E 00	-0.2433E 00	0.7034E 00	0.1692E 01	0.1449E 01
0.6030E 00	0.3082E 00	0.2373E 00	0.1738E 00	0.1256E 00	0.1491E 00	0.6059E 00	0.4030E 00	0.5305E 00	0.4945E 00	0.7748E 00	0.5968E 00
0.1794E 01	0.1045E 01	0.8153E 00	0.6858E 00	0.6084E 00	0.5359E 00	0.1122E 01	0.2799E 02	0.4461E 02	0.1181E 02	0.5648E 01	0.3343E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.954	0.847	*	*	*	*	*	*	*	*	*
*	1.000	0.922	0.877	*	*	*	*	*	*	*	*
*	*	1.000	0.937	0.686	*	*	*	*	*	*	*
*	*	*	1.000	0.791	0.140	*	*	*	*	*	*
*	*	*	*	1.000	0.651	0.890	*	*	*	*	*
*	*	*	*	*	1.000	0.396	-0.002	*	*	*	*
*	*	*	*	*	*	1.000	0.651	-0.968	*	*	*
*	*	*	*	*	*	*	1.000	-0.749	-0.291	*	*
*	*	*	*	*	*	*	*	1.000	0.797	0.791	*
*	*	*	*	*	*	*	*	*	1.000	0.699	0.842
*	*	*	*	*	*	*	*	*	*	1.000	0.961
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.902
SEPT-OCT 0.907
SEPT-NOV 0.849

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.973	-0.302	-0.130	-0.332	-0.677	-0.204	-0.661	-0.452	-0.573	-0.716	-0.333	-0.578

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09266500 Ashley Creek near Vernal, Utah

LOCATION.--Lat 40°34'39", long 109°37'17", in NE¼NW¼NE¼ sec.12, T.3 S., R.20 E., Uintah County, on right bank 0.8 mile (1.3 km) upstream from head of Utah Power & Light Co.'s canal, 4.5 miles (7.2 km) upstream from Dry Fork, and 10 miles (16 km) northwest of Vernal.

DRAINAGE AREA.--101 sq mi (262 km^2).

GAGE.--Water-stage recorder. Datum of gage is 6,230.61 ft (1,899.090 m) above mean sea level, adjustment of 1927. Prior to Nov. 13, 1917, non-recording and water-stage recorder at several sites within 1.5 miles (2.4 km) of present site at various datums. Nov. 14, 1917, to July 15, 1965, water-stage recorder at site 75 ft (23 m) downstream at various datums. July 15, 1965, to July 30, 1968, water-stage recorder at site 75 ft (23 m) downstream at datum 0.09 ft (0.027 m) higher.

EXTREMES.--Maximum discharge, about 3,500 ft^3/s (99.1 m^3/s) June 11, 1965, from rating table extended above 1,060 ft^3/s (30.1 m^3/s); maximum gage height, 6.09 ft (1.856 m) June 16, 1929, present datum; minimum discharge recorded, 8.7 ft^3/s (0.25 m^3/s) Mar. 31, 1967.

REMARKS.--Flow increased since July 1940 by water released from Oaks Park Reservoir (capacity, 6,250 acre-ft or 7.71 hm^3) on Big Brush Creek and diverted to Ashley Creek basin for irrigation. City of Vernal pipeline (capacity, approximately 11 ft^3/s or 0.31 m^3/s) diverts water from tributary spring about 1,000 ft (305 m) above station (diversion began Aug. 1, 1941), at times, part of this flow is returned to Ashley Creek 2.5 miles (4.0 km) below station. Prior to September 1961 pipeline capacity was approximately 5 ft^3/s (0.14 m^3/s) and the return flow entered Ashley Creek 0.5 mile (0.8 km) below station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	24.00 25	24.00 26	24.30 26	25.30 26	27.50 27	28.10 25	29.10 25	31.00 25	43.50 25	74.40 6
1942	25.00 27	25.00 27	25.00 27	25.40 27	27.40 26	31.00 27	34.60 27	41.90 27	71.60 27	142.00 26
1943	17.00 15	17.00 18	17.00 17	17.00 13	17.50 14	18.10 13	19.20 13	20.80 14	28.10 16	118.00 20
1944	17.00 16	17.00 19	17.40 18	17.50 17	17.70 15	18.10 14	19.30 14	20.60 13	24.70 11	85.60 12
1945	18.00 21	18.00 21	19.10 22	19.60 22	19.70 21	20.00 19	21.00 17	22.30 17	27.50 15	131.00 25
1946	18.00 22	18.00 22	18.00 21	18.30 21	18.50 18	19.70 17	20.50 15	21.90 16	31.30 18	88.20 13
1947	19.00 23	19.30 23	19.70 23	20.00 23	25.00 25	26.20 24	28.00 24	30.70 24	38.00 23	68.80 3
1948	20.00 24	20.00 24	20.10 24	20.50 24	20.70 22	21.80 20	23.80 20	26.40 21	36.90 22	127.00 24
1949	15.00 11	15.00 11	15.10 11	15.50 11	15.60 11	15.80 10	16.10 10	16.80 9	20.10 6	85.20 11
1950	15.00 12	15.00 12	15.70 12	17.70 19	22.50 23	22.70 21	24.10 21	25.30 20	32.60 20	117.00 19
1951	17.00 17	17.00 20	17.90 20	17.90 20	18.60 19	19.70 18	21.70 19	23.50 19	30.50 17	120.00 21
1952	16.00 13	16.30 14	16.90 14	17.40 16	19.70 20	24.40 23	25.90 23	27.10 22	35.10 21	84.50 10
1953	22.00 25	22.00 25	22.10 25	22.40 25	22.60 24	23.90 22	25.50 22	27.70 23	38.20 24	143.00 27
1954	17.00 18	17.00 15	17.40 19	17.60 18	18.30 16	19.40 15	21.50 18	23.10 18	25.30 13	73.90 5
1955	17.00 19	17.00 16	17.00 15	17.10 14	17.30 13	18.00 12	19.00 12	20.40 12	25.30 14	73.70 4
1956	17.00 20	17.00 17	17.00 16	17.40 15	18.50 17	19.50 16	20.60 16	21.70 15	25.00 12	68.20 2
1957	16.00 14	16.00 13	16.00 13	16.00 12	16.00 12	16.50 11	16.90 11	17.80 11	19.90 5	77.90 8
1962	12.00 10	12.70 10	13.00 10	13.50 10	14.90 10	28.30 26	30.70 26	36.00 26	53.10 26	91.30 14
1963	9.60 2	9.60 2	9.73 2	9.84 2	9.92 1	10.40 1	11.40 1	13.10 3	20.20 7	124.00 22
1964	11.00 8	11.00 6	11.00 6	11.00 6	11.50 5	11.70 4	12.20 4	13.20 4	18.20 2	56.00 1
1965	10.00 5	10.00 4	10.00 4	10.10 4	10.70 3	11.10 3	11.90 3	12.60 1	18.70 3	84.20 9
1966	9.70 3	9.90 3	9.96 3	9.98 3	12.10 7	12.70 7	14.30 8	17.00 10	31.70 19	127.00 23
1967	10.00 4	11.30 7	11.60 7	11.90 7	12.00 6	12.00 5	13.10 6	14.50 7	17.80 1	75.00 7
1968	11.00 6	11.30 8	11.70 8	12.00 8	12.50 8	13.20 8	13.30 7	13.70 6	22.20 9	116.00 18
1969	11.00 7	11.00 5	11.00 5	11.00 5	11.30 4	12.10 6	12.70 5	13.40 5	22.70 10	115.00 17
1970	12.00 9	12.00 9	12.60 9	12.70 9	12.80 9	13.60 9	14.80 9	16.40 8	21.40 8	104.00 15
1971	9.50 1	9.50 1	9.64 1	9.75 1	10.20 2	10.90 2	11.70 2	12.90 2	19.60 4	104.00 16

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	1000.0 8	885.0 9	749.0 14	675.0 12	602.0 6	447.0 6	346.0 7	286.0 8	211.0 6	127.0 6
1942	1050.0 4	941.0 7	808.0 9	729.0 5	598.0 8	404.0 12	322.0 12	274.0 11	207.0 10	139.0 3
1943	507.0 23	479.0 23	452.0 22	380.0 24	299.0 25	259.0 21	219.0 20	193.0 18	147.0 18	87.4 17
1944	1020.0 6	1000.0 4	901.0 5	790.0 3	711.0 2	531.0 1	409.0 1	337.0 1	234.0 2	129.0 4
1945	490.0 25	446.0 25	364.0 27	340.0 26	322.0 23	265.0 20	223.0 19	193.0 19	145.0 19	86.4 18
1946	359.0 28	340.0 28	292.0 28	242.0 28	199.0 28	170.0 28	147.0 28	124.0 28	99.5 27	65.3 27
1947	894.0 14	885.0 10	771.0 11	580.0 15	527.0 12	431.0 9	346.0 8	290.0 7	216.0 5	127.0 5
1948	970.0 10	864.0 13	779.0 10	668.0 13	504.0 14	318.0 17	251.0 17	210.0 17	150.0 16	93.4 15
1949	720.0 18	658.0 18	615.0 17	516.0 16	503.0 15	425.0 10	333.0 9	281.0 9	202.0 11	111.0 11
1950	876.0 15	842.0 14	738.0 15	707.0 9	583.0 9	405.0 11	325.0 11	280.0 10	208.0 9	121.0 7
1951	745.0 17	705.0 17	645.0 16	490.0 19	352.0 20	251.0 22	210.0 22	182.0 21	134.0 21	82.3 20
1952	1040.0 5	998.0 5	885.0 6	723.0 7	599.0 7	501.0 2	392.0 2	337.0 2	247.0 1	141.0 1
1953	513.0 22	486.0 22	437.0 24	397.0 23	345.0 22	241.0 24	201.0 23	168.0 23	122.0 24	80.2 23
1954	496.0 24	466.0 24	446.0 23	410.0 22	314.0 24	226.0 25	193.0 25	166.0 25	122.0 25	73.7 25
1955	460.0 26	437.0 26	379.0 25	340.0 27	287.0 26	224.0 26	182.0 26	152.0 26	111.0 26	68.4 26
1956	634.0 20	577.0 20	564.0 19	498.0 18	418.0 18	286.0 18	230.0 18	190.0 20	136.0 20	80.4 22
1957	936.0 12	883.0 11	840.0 8	702.0 10	550.0 11	366.0 14	288.0 14	243.0 14	176.0 14	98.3 14
1961	588.0 21	571.0 21	502.0 21	427.0 21	348.0 21	246.0 23	201.0 24	168.0 24	130.0 23	73.9 24
1962	996.0 9	954.0 6	862.0 7	621.0 14	497.0 16	444.0 7	372.0 5	311.0 4	227.0 3	140.0 2
1963	448.0 27	390.0 27	369.0 26	346.0 25	283.0 27	194.0 27	157.0 27	128.0 27	93.8 28	56.9 28
1964	1000.0 7	934.0 8	909.0 4	678.0 11	509.0 13	346.0 16	265.0 16	215.0 16	150.0 17	83.9 19
1965	1790.0 2	1550.0 2	1150.0 2	885.0 2	682.0 3	493.0 4	378.0 3	312.0 3	222.0 4	121.0 8
1966	664.0 19	628.0 19	551.0 20	440.0 20	387.0 19	268.0 19	213.0 21	179.0 22	132.0 22	81.7 21
1967	1140.0 3	1080.0 3	965.0 3	762.0 4	647.0 4	498.0 3	373.0 4	303.0 5	210.0 7	114.0 10
1968	1970.0 1	1630.0 1	1300.0 1	1030.0 1	794.0 1	485.0 5	366.0 6	295.0 6	207.0 9	115.0 9
1969	910.0 13	798.0 15	763.0 12	713.0 8	558.0 10	394.0 13	309.0 13	257.0 13	187.0 13	105.0 12
1970	940.0 11	880.0 12	758.0 13	724.0 6	608.0 5	431.0 8	331.0 10	271.0 12	189.0 12	105.0 13
1971	829.0 16	738.0 16	594.0 18	515.0 17	493.0 17	353.0 15	276.0 15	226.0 15	162.0 15	90.7 16

09266500 Ashley Creek near Vernal, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10226	100.0	9	29.00	585	6271	61.3	18	110.0	286	2668	26.1	27	380	160	617	6.0
1	9.20	96	10226	100.0	10	33.00	475	5686	55.6	19	120.0	495	2382	23.3	28	440	115	457	4.4
2	11.00	164	10130	99.1	11	39.00	315	5211	51.0	20	140.0	324	1887	18.5	29	510	102	342	3.3
3	12.00	478	9966	97.5	12	44.00	308	4896	47.9	21	160.0	263	1563	15.3	30	590	78	240	2.3
4	14.00	376	9488	92.8	13	51.00	327	4588	44.9	22	190.0	181	1300	12.7	31	680	75	162	1.5
5	16.00	655	9112	89.1	14	59.00	338	4261	41.7	23	220.0	109	1119	10.9	32	780	48	87	.8
6	19.00	892	8457	82.7	15	68.00	380	3923	38.4	24	250.0	124	1010	9.9	33	900	21	39	.3
7	22.00	633	7655	74.9	16	79.00	364	3543	34.6	25	290.0	128	886	8.7	34	1000	18	18	.1
8	25.00	751	7022	68.7	17	91.00	511	3179	31.1	26	330.0	141	758	7.4					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1941										59	51	31	10	13	9	7	20	20	26	18	20	13	14	5	1	3	3	5	8	7	9	6	3	3		1	46535.0
1942										1	47	33	9	12	15	15	14	19	33	17	44	23	26	15	7	2	4	4	2	2	6	5	6	2	1	1	50898.0
1943									44	34	24	21	21	18	13	8	30	17	6	10	5	12	26	12	19	12	6	9	8	3	1	6						31892.0
1944									55	45	36	35	18	25	5	3	5	15	4	1	9	4	17	10	18	6	2	2	4	4	7	5	6	9	9	3	2	2	47293.0
1945										84	30	41	5	35	8	9	3	1	8	17	22	9	24	12	8	8	7	14	10	3	3	4							31528.0
1946									14	63	30	27	9	23	11	26	12	23	27	14	18	4	22	22	6	5	3	3	1	2								23850.0
1947										10	43	40	26	20	23	31	12	1	17	25	10	9	14	14	9	2	4	11	10	12	10	5	2	1	4			46474.0
1948										45	29	25	20	32	31	31	6	9	17	21	24	15	19	9	2	2	2	4	1	1	2	4	5	4	4	1	1	34198.0
1949									17	91	34	21	25	9	4	4		6	22	6	2	11	5	20	21	8	3	6	3	4	10	4	10	8	8	3			40546.0
1950											63	40	25	12	22	15	22	4	11	9	19	3	21	18	23	12	6	5	4	4	5	4	4	5	5	4			44058.0
1951										23	49	25	43	29	16	1	9	25	7	4	26	18	13	23	13	9	10	5	4		3	2	1	1	4	2			30035.0
1952											38	50	53	19	9	10	8	6	14	6	22	9	11	15	17	16	7	7	4	8	7	5	5	5	7	4	3	1	51673.0
1953											8	55	27	40	43	18	6	11	24	38	6	13	11	16	14	4	2	3	5	1	9	8	2	1					29288.0
1954										23	45	12	58	60	8	14	12	11	5	11	7	11	22	19	10	9	6	3	2	1	7	4	5						26916.0
1955										53	46	31	26	13	29	27	17	12	11	10	4	25	10	4	1	8	14	6	6	2	5	4	1						24972.0
1956										11	68	40	44	37	17	16	10	9	12	3	8	16	14	15	5	4	4	3	3	5	5	4	4	8	1				29415.0
1957								1	7	111	31	40	26	1	1		1			4	2	5	26	20	30	15	5	2	2	1	2	7	9	3	3	1	2	6	1		35895.0
1961							19	43	34	25	45	34	8		2	1	5	4	11	18	11	26	13	22	6	7	3	2	4	7	5	6		4					26961.0
1962													39	37	19	8	12	16	20	45	21	21	8	24	13	5	2	3	10	14	16	14	8	1	1	3	2	3		51206.0
1963						36	22	29	35	20	19	18	17	14	17	11	10	15	12	19	12	13	7	7	3	2	5	6	2	5	4	4	1						20781.5
1964						13	21	71	27	34	17	11	6	6	11	18	2	4	27	12	5	12	9	9	4	3	8	5	6	2	3	8		3	1	1	3	3	1	30697.0
1965						22	45	33	35	15	21	6	4	3	3	26	1			8	18	19	9	19	14	4	2	5	5	11	3	7	6	7	5	3	2		4	44086.7
1966							4	46	18	13	15	16	26	9	11	13	21	16	24	19	14	35	13	5	8	5	2	1	7	6	4	8	2	2	2				29821.0
1967						1	5	67	15	31	44	14	26	14	3	2	7	5	14	4	10	15	7	16	3	5	3	5	2	3	3	7	11	5	5	6	2	2	3	41756.0
1968								49	98	4	24	4	2	3	2	6	18	10	6	19	20	14	14	13	9	10	7	1	3	2	1	2	1	1	4	6	5	3	5	41964.0
1969							21	49	42	19	9	14	11	6	2	3	9	28	7	10	17	19	3	21	16	9	9	3	4	5	4	3	4	4	4	7	2	1		38254.0
1970							1	50	31	31	27	25	12	14	24	8	11	2	3	10	18	12	5	11	10	11	4	2	2	3	3	12	1	7	4	7	3	1		38448.0
1971						24	26	40	17	38	29	7	9	1	9	1	7	12	20	20	26	2	2	8	11	8	5	5	2	5	5	7	8	7	2		2			33106.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.912E 02	0.583E 02	0.351E 02	0.264E 02	0.234E 02	0.236E 02	0.779E 02	0.284E 03	0.116E 03	0.666E 02	0.354E 02	0.501E 02
1941	0.780E 02	0.561E 02	0.371E 02	0.308E 02	0.288E 02	0.275E 02	0.274E 02	0.491E 03	0.374E 03	0.151E 03	0.106E 03	0.114E 03
1942	0.154E 03	0.104E 03	0.642E 02	0.418E 02	0.326E 02	0.293E 02	0.101E 03	0.365E 03	0.425E 03	0.155E 03	0.113E 03	0.833E 02
1943	0.512E 02	0.321E 02	0.258E 02	0.213E 02	0.184E 02	0.177E 02	0.147E 03	0.270E 03	0.177E 03	0.136E 03	0.936E 02	0.546E 02
1944	0.359E 02	0.293E 02	0.246E 02	0.216E 02	0.185E 02	0.177E 02	0.205E 02	0.375E 03	0.606E 03	0.197E 03	0.134E 03	0.697E 02
1945	0.415E 02	0.332E 02	0.263E 02	0.228E 02	0.202E 02	0.197E 02	0.216E 02	0.250E 03	0.260E 03	0.138E 03	0.104E 03	0.889E 02
1946	0.611E 02	0.364E 02	0.264E 02	0.220E 02	0.207E 02	0.187E 02	0.108E 03	0.156E 03	0.134E 03	0.814E 02	0.537E 02	0.638E 02
1947	0.555E 02	0.487E 02	0.390E 02	0.314E 02	0.263E 02	0.263E 02	0.630E 02	0.514E 03	0.337E 03	0.173E 03	0.114E 03	0.902E 02
1948	0.713E 02	0.435E 02	0.345E 02	0.279E 02	0.230E 02	0.207E 02	0.320E 02	0.407E 03	0.215E 03	0.116E 03	0.849E 02	0.399E 02
1949	0.297E 02	0.230E 02	0.189E 02	0.166E 02	0.160E 02	0.156E 02	0.419E 02	0.442E 03	0.399E 03	0.144E 03	0.117E 03	0.620E 02
1950	0.519E 02	0.411E 02	0.289E 02	0.269E 02	0.227E 02	0.226E 02	0.948E 02	0.409E 03	0.378E 03	0.166E 03	0.120E 03	0.820E 02
1951	0.535E 02	0.340E 02	0.288E 02	0.256E 02	0.207E 02	0.187E 02	0.197E 02	0.259E 03	0.203E 03	0.133E 03	0.105E 03	0.795E 02
1952	0.632E 02	0.382E 02	0.308E 02	0.289E 02	0.256E 02	0.233E 02	0.700E 02	0.590E 03	0.390E 03	0.169E 03	0.161E 03	0.978E 02
1953	0.705E 02	0.450E 02	0.344E 02	0.287E 02	0.250E 02	0.228E 02	0.307E 02	0.155E 03	0.290E 03	0.133E 03	0.877E 02	0.381E 02
1954	0.302E 02	0.284E 02	0.280E 02	0.255E 02	0.205E 02	0.183E 02	0.649E 02	0.305E 03	0.137E 03	0.113E 03	0.636E 02	0.440E 02
1955	0.391E 02	0.303E 02	0.245E 02	0.209E 02	0.186E 02	0.173E 02	0.211E 02	0.259E 03	0.176E 03	0.101E 03	0.640E 02	0.447E 02
1956	0.344E 02	0.286E 02	0.251E 02	0.220E 02	0.202E 02	0.195E 02	0.351E 02	0.383E 03	0.177E 03	0.119E 03	0.611E 02	0.344E 02
1957	0.227E 02	0.250E 02	0.204E 02	0.179E 02	0.169E 02	0.160E 02	0.157E 02	0.111E 03	0.548E 03	0.165E 03	0.127E 03	0.966E 02
1961	0.248E 02	0.223E 02	0.201E 02	0.152E 02	0.127E 02	0.116E 02	0.149E 02	0.252E 03	0.226E 03	0.112E 03	0.740E 02	0.967E 02
1962	0.995E 02	0.721E 02	0.521E 02	0.350E 02	0.283E 02	0.286E 02	0.162E 03	0.469E 03	0.394E 03	0.155E 03	0.110E 03	0.723E 02
1963	0.431E 02	0.232E 02	0.182E 02	0.126E 02	0.103E 02	0.112E 02	0.141E 02	0.251E 03	0.124E 03	0.826E 02	0.435E 02	0.446E 02
1964	0.354E 02	0.207E 02	0.162E 02	0.133E 02	0.119E 02	0.115E 02	0.114E 02	0.339E 03	0.292E 03	0.123E 03	0.733E 02	0.557E 02
1965	0.398E 02	0.209E 02	0.148E 02	0.134E 02	0.112E 02	0.110E 02	0.135E 02	0.234E 03	0.658E 03	0.190E 03	0.138E 03	0.105E 03
1966	0.770E 02	0.416E 02	0.248E 02	0.175E 02	0.133E 02	0.122E 02	0.615E 02	0.383E 03	0.135E 03	0.101E 03	0.628E 02	0.424E 02
1967	0.276E 02	0.205E 02	0.189E 02	0.152E 02	0.120E 02	0.120E 02	0.184E 02	0.363E 03	0.523E 03	0.186E 03	0.110E 03	0.618E 02
1968	0.538E 02	0.234E 02	0.147E 02	0.128E 02	0.138E 02	0.138E 02	0.140E 02	0.146E 03	0.754E 03	0.141E 03	0.115E 03	0.801E 02
1969	0.550E 02	0.253E 02	0.155E 02	0.138E 02	0.129E 02	0.114E 02	0.322E 02	0.543E 03	0.231E 03	0.138E 03	0.100E 03	0.677E 02
1970	0.358E 02	0.258E 02	0.214E 02	0.172E 02	0.144E 02	0.128E 02	0.148E 02	0.361E 03	0.430E 03	0.159E 03	0.947E 02	0.726E 02
1971	0.437E 02	0.198E 02	0.167E 02	0.132E 02	0.115E 02	0.103E 02	0.168E 02	0.262E 03	0.411E 03	0.141E 03	0.777E 02	0.609E 02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09266500 Ashley Creek near Vernal, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5415E 02	0.3623E 02	0.2712E 02	0.2201E 02	0.1898E 02	0.1800E 02	0.4709E 02	0.3320E 03	0.3282E 03	0.1374E 03	0.9485E 02	0.6874E 02
0.7533E 03	0.3338E 03	0.1238E 03	0.5628E 02	0.3657E 02	0.3296E 02	0.1704E 04	0.1497E 05	0.2932E 05	0.1065E 04	0.9039E 03	0.4860E 03
0.2745E 02	0.1827E 02	0.1112E 02	0.7502E 01	0.6047E 01	0.5741E 01	0.4128E 02	0.1224E 03	0.1712E 03	0.3263E 02	0.3006E 02	0.2205E 02
0.1905E 01	0.2168E 01	0.1674E 01	0.6656E 00	0.3881E 00	0.4144E 00	0.1444E 01	0.2016E 00	0.7638E 00	-0.2596E 00	-0.6268E-01	0.2433E 00
0.5069E 00	0.5043E 00	0.4103E 00	0.3408E 00	0.3185E 00	0.3190E 00	0.8766E 00	0.3685E 00	0.5217E 00	0.2374E 00	0.3170E 00	0.3207E 00
0.4570E 01	0.3058E 01	0.2289E 01	0.1858E 01	0.1602E 01	0.1519E 01	0.3974E 01	0.2802E 02	0.2770E 02	0.1160E 02	0.8006E 01	0.5801E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.938	0.845	*	*	*	*	*	*	*	*	*
*	1.000	0.965	0.884	*	*	*	*	*	*	*	*
*	*	1.000	0.955	0.907	*	*	*	*	*	*	*
*	*	*	1.000	0.979	0.962	*	*	*	*	*	*
*	*	*	*	1.000	0.988	0.554	*	*	*	*	*
*	*	*	*	*	1.000	0.576	0.336	*	*	*	*
*	*	*	*	*	*	1.000	0.230	-0.248	*	*	*
*	*	*	*	*	*	*	1.000	-0.045	0.313	*	*
*	*	*	*	*	*	*	*	1.000	0.795	0.745	*
*	*	*	*	*	*	*	*	*	1.000	0.897	0.578
*	*	*	*	*	*	*	*	*	*	1.000	0.688
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.192
SEPT-OCT 0.693
SEPT-NOV 0.553

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.132	0.190	0.229	0.375	0.466	0.419	-0.079	-0.304	-0.217	-0.302	-0.114	-0.042

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09267500 Mosby Canal near Lapoint, Utah

LOCATION.--Lat 40°36'30", long 109°53'00", in sec.27, T.2 S., R.18 E. (unsurveyed), Uintah County, on left bank 4.5 miles (7.2 km) southeast of Paradise Park Reservoir, 8 miles (13 km) downstream from diversion from Dry Fork, and 16 miles (26 km) northwest of Lapoint.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 9,500 ft (2,895 m) from topographic map.

EXTREMES.--Maximum daily discharge, 37 ft^3/s (1.05 m^3/s) June 16, 17, 1969; no flow for extended periods each year.

REMARKS.--Canal diverts from Dry Fork for irrigation in Deep Creek basin. Diversion began in 1942 or 1943.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1956	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.46 4	1.67 1
1957	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.05 13	0.70 6	2.45 3
1958	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 2	2.24 15	2.98 4
1959	0.00 4	0.00 4	0.00 4	0.00 4	0.00 4	0.00 4	0.00 4	0.00 3	1.00 8	3.83 7
1960	0.00 5	0.00 5	0.00 5	0.00 5	0.00 5	0.00 5	0.00 5	0.00 4	2.10 14	5.14 14
1961	0.00 6	0.00 6	0.00 6	0.00 6	0.00 6	0.00 6	0.00 6	0.05 14	1.63 11	3.33 5
1962	0.00 7	0.00 7	0.00 7	0.00 7	0.00 7	0.00 7	0.00 7	0.00 5	0.02 2	4.20 9
1963	0.00 8	0.00 8	0.00 8	0.00 8	0.00 8	0.00 8	0.00 8	0.00 6	1.66 12	3.74 6
1964	0.00 9	0.00 9	0.00 9	0.00 9	0.00 9	0.00 9	0.00 9	0.00 7	3.09 16	6.21 16
1965	0.00 10	0.00 10	0.00 10	0.00 10	0.00 10	0.00 10	0.00 10	0.00 8	0.33 3	4.48 11
1966	0.00 11	0.00 11	0.00 11	0.00 11	0.00 11	0.00 11	0.00 11	0.08 15	1.26 10	2.54 2
1967	0.00 12	0.00 12	0.00 12	0.00 12	0.00 12	0.00 12	0.00 12	0.00 9	1.82 13	4.98 13
1968	0.00 13	0.00 13	0.00 13	0.00 13	0.00 13	0.00 13	0.00 13	0.00 10	0.94 7	4.93 12
1969	0.00 14	0.00 14	0.00 14	0.00 14	0.00 14	0.00 14	0.00 14	0.00 11	0.56 5	4.00 8
1970	0.00 15	0.00 15	0.00 15	0.00 15	0.00 15	0.00 15	0.00 15	0.00 12	0.00 1	4.32 10
1971	0.00 16	0.00 16	0.00 16	0.00 16	0.00 16	0.00 16	0.00 16	0.11 16	1.11 9	6.18 15

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1955	15.0 17	14.0 17	12.3 17	11.3 17	8.0 17	6.3 17	4.8 17	3.6 17	2.9 17	1.7 17
1956	17.0 16	15.7 16	14.9 16	13.1 16	10.7 16	8.1 16	7.3 15	7.0 13	5.0 13	2.7 14
1957	29.0 2	27.7 2	26.6 1	24.1 1	16.8 9	9.1 14	6.1 16	5.5 16	3.8 16	2.2 15
1958	24.0 9	22.3 10	20.6 11	15.9 12	14.6 12	13.3 9	9.8 11	8.3 11	6.7 11	4.4 10
1959	28.0 3	26.0 4	24.4 5	22.6 4	20.7 3	18.8 3	15.8 3	12.6 8	8.2 9	4.6 9
1960	18.0 14	17.3 15	16.6 15	15.2 13	12.8 13	10.1 13	8.7 12	6.7 14	5.0 14	3.6 12
1961	26.0 7	26.0 5	25.4 2	24.1 2	20.8 2	16.8 6	13.2 7	12.1 6	8.4 7	5.0 6
1962	18.0 15	17.7 14	16.9 14	14.7 14	12.2 15	8.3 15	8.2 13	7.6 12	5.8 12	2.9 13
1963	27.0 5	26.3 3	25.3 3	22.9 3	20.3 4	17.6 4	15.5 4	12.4 4	9.3 3	5.5 4
1964	26.0 6	23.7 7	22.9 7	22.1 5	19.3 6	13.3 10	12.5 9	12.0 7	8.6 6	5.9 2
1965	24.0 8	22.0 11	21.7 9	20.8 8	15.3 11	11.5 11	7.7 14	5.8 15	3.8 15	2.1 16
1966	19.0 13	18.3 13	17.3 13	14.0 15	12.3 14	11.3 12	10.0 10	10.2 10	8.2 8	4.7 7
1967	23.0 10	23.0 8	22.0 8	20.7 9	18.6 7	17.3 5	15.2 5	12.4 5	8.9 4	5.4 5
1968	21.0 12	20.3 12	19.1 12	18.3 11	17.8 8	15.2 7	13.1 8	10.9 9	7.4 10	4.2 11
1969	37.0 1	31.7 1	24.4 4	22.1 6	16.6 10	14.7 8	14.2 6	12.8 3	8.6 5	4.6 8
1970	28.0 4	25.0 6	24.1 6	21.7 7	20.9 1	18.9 2	16.6 2	15.6 2	11.3 2	5.6 3
1971	23.0 11	22.3 9	20.9 10	20.1 10	19.8 5	19.0 1	17.4 1	16.4 1	11.5 1	6.3 1

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS					DAYS					DAYS					DAYS		
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	3286	6209	100.0	9	0.20	41	2813	45.3	18	2.4	109	2194	35.3	27	22	99	102	1.6
1	0.01	4	2923	47.1	10	0.30	29	2772	44.6	19	3.1	72	2085	33.6	28	29	1	3	.0
2	0.02	14	2919	47.0	11	0.40	43	2743	44.2	20	3.9	123	2013	32.4	29	37	2	2	.0
3	0.03	3	2905	46.8	12	0.50	67	2700	43.5	21	5.0	194	1890	30.4	30				
4	0.04	1	2902	46.7	13	0.70	30	2633	42.4	22	6.5	190	1696	27.3	31				
5	0.05	1	2901	46.7	14	0.90	66	2603	41.9	23	8.3	260	1506	24.3	32				
6	0.07	2	2900	46.7	15	1.10	98	2537	40.9	24	11.0	492	1246	20.1	33				
7	0.09	0	2898	46.7	16	1.50	93	2439	39.3	25	14.0	406	754	12.1	34				
8	0.10	85	2898	46.7	17	1.90	152	2346	37.8	26	18.0	246	348	5.6					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09267500 Mosby Canal near Lapoint, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1955	235								16	3	5	7	8	4	1	3	6	5	2	4	5	10	17	20	11	3										622.2
1956	214								8	1	3	3	3	1	2	1	2	1	15	7	16	19	22	9	30	9										1001.1
1957	216								5	9	3	1	9	1	2	4	27	37	11	1	1	2		6	8	7	2	12	1							814.0
1958	208								2	5	2		1		2	1	1	6	5	9	1	2	11	7	65	27	8	2								1623.7
1959	193								10	3		9	5	3	3	5	5	7	7	8	8	14	6		8	30	27	14								1666.6
1960	166								7	5	4	2	3	3	20	13	8	3	3	5	6	28	14	24	28	22	2									1307.1
1961	165								3	3		1	2	2	6	4	9	19	11	1	17	17	7	16	32	19	14	17								1822.7
1962	197								5	1	5	3	9	3	2	15	8	6	5	8	6	12	14	20	36	8	2									1071.9
1963	172								10	1		1		1	5	7		7	4	2	12	18	14	22	15	44	19	11								2003.7
1964	175								2	1		5	6				15	6		1	21	12	22	24	39	23	14									2144.9
1965	271								11	1	1	1	3		6		3	1	3	3	12	9	7	4	4	6	16	3								753.0
1966	180								1		1	2	8	2	2	2		2	3	5	5	12	18	33	59	26	4									1725.7
1967	173		1	1					2		1			1	2	8	7	5	6	10	4	9	18	20	33	44	15	5								1953.2
1968	209	1					2			2		3	2	5	2	3	1	9	5	2	4	7	9	28	28	25	19									1534.4
1969	184	2	13	1	1	1			1	1	2	3	3		2	4	1	3	6	5	18	6	5	6	51	29	14	1		2					1672.1
1970	212														1	1	3	9	2		4	3	3	18	31	34	31	13							2062.2
1971	116	1		1					2	5	2	2	5	4	8	27	12	17	15	2	3	5	13	5	29	34	50	7								2305.6

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	0.307E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.242E+01	0.110E+00	0.178E+01	0.805E+01	0.428E+01
1956	0.274E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.710E+01	0.511E+01	0.724E+01	0.754E+01	0.282E+01
1957	0.212E+01	0.175E+01	0.242E+00	0.0	0.0	0.0	0.0	0.755E+00	0.146E+02	0.285E+01	0.355E-01	0.463E+01
1958	0.121E+02	0.800E+00	0.0	0.0	0.0	0.0	0.0	0.794E+01	0.333E+01	0.248E+01	0.138E+02	0.125E+02
1959	0.534E+01	0.223E+00	0.0	0.0	0.0	0.0	0.0	0.151E+01	0.753E+00	0.913E+01	0.206E+02	0.168E+02
1960	0.124E+02	0.0	0.0	0.0	0.0	0.0	0.0	0.108E+01	0.275E+01	0.653E+00	0.115E+02	0.810E+01	0.589E+01
1961	0.625E+01	0.307E+01	0.258E+00	0.0	0.0	0.0	0.0	0.167E+00	0.330E+01	0.780E+01	0.101E+02	0.197E+02	0.881E+01
1962	0.110E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.833E-01	0.477E+01	0.717E+01	0.658E+01	0.764E+01	0.873E+01
1963	0.446E+01	0.115E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.671E+01	0.360E+01	0.106E+02	0.147E+02	0.202E+02
1964	0.146E+02	0.371E+01	0.323E-02	0.0	0.0	0.0	0.0	0.0	0.509E+01	0.190E+02	0.196E+01	0.164E+02	0.941E+01
1965	0.177E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.304E+01	0.983E+01	0.989E+01	0.645E-02	0.767E-01
1966	0.0	0.722E+01	0.461E+00	0.0	0.0	0.0	0.0	0.353E+00	0.871E+01	0.103E+02	0.863E+01	0.989E+01	0.110E+02
1967	0.904E+01	0.141E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.433E+01	0.351E+01	0.131E+02	0.185E+02	0.137E+02
1968	0.557E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120E+01	0.430E+01	0.131E+02	0.167E+02	0.909E+01
1969	0.411E+01	0.333E-02	0.0	0.0	0.0	0.0	0.0	0.123E+00	0.591E+01	0.166E+02	0.126E+02	0.131E+02	0.308E+01
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.641E+01	0.199E+02	0.171E+02	0.119E+02	0.122E+02
1971	0.436E+01	0.151E+01	0.465E+00	0.0	0.0	0.0	0.0	0.410E+00	0.380E+01	0.168E+02	0.195E+02	0.146E+02	0.139E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.5358E+01	0.1226E+01	0.8406E-01	0.0	0.0	0.0	0.1306E+00	0.4485E+01	0.8439E+01	0.9305E+01	0.1184E+02	0.9241E+01
0.2071E+02	0.3691E+01	0.2710E-01	0.0	0.0	0.0	0.7666E-01	0.5674E+01	0.4484E+02	0.2650E+02	0.3726E+02	0.2890E+02
0.4551E+01	0.1921E+01	0.1646E+00	0.0	0.0	0.0	0.2769E+00	0.2382E+01	0.6696E+01	0.5148E+01	0.6104E+01	0.5376E+01
0.7206E+00	0.2206E+01	0.1751E+01	*****	*****	*****	0.2914E+01	0.1485E+00	0.4949E+00	0.1419E+00	-0.5787E+00	0.2225E+00
0.8495E+00	0.1567E+01	0.1958E+01	*****	*****	*****	0.2120E+01	0.5311E+00	0.7935E+00	0.5533E+00	0.5155E+00	0.5817E+00
0.1069E+02	0.2447E+01	0.1678E+00	0.0	0.0	0.0	0.2606E+00	0.8951E+01	0.1684E+02	0.1857E+02	0.2363E+02	0.1844E+02

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.039	-0.288	*	*	*	*	*	*	*	*	*
*	1.000	0.693	*	*	*	*	*	*	*	*	*
*	*	1.000	*	*	*	*	*	*	*	*	*
*	*	*	1.000	*	*	*	*	*	*	*	*
*	*	*	*	1.000	*	*	*	*	*	*	*
*	*	*	*	*	1.000	*	*	*	*	*	*
*	*	*	*	*	*	1.000	*	*	*	*	*
*	*	*	*	*	*	*	1.000	-0.063	-0.119	*	*
*	*	*	*	*	*	*	*	1.000	0.176	-0.019	*
*	*	*	*	*	*	*	*	*	1.000	0.248	-0.121
*	*	*	*	*	*	*	*	*	*	1.000	0.296
*	*	*	*	*	*	*	*	*	*	*	1.000
*	*	*	*	*	*	*	*	*	*	*	*

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.002
SEPT-OCT 0.642
SEPT-NOV-0.235

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.029	-0.157	-0.250	*	*	*	-0.048	-0.433	0.351	0.566	-0.064	0.071

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268000 Dry Fork above sinks, near Dry Fork, Utah

LOCATION.--Lat 40°37'35", long 109°49'10", in sec.20, T.2 S., R.19 E. (unsurveyed), Uintah County, Ashley National Forest, on left bank 9 miles (14 km) northwest of town of Dry Fork.

DRAINAGE AREA.--44.4 sq mi (115.0 km^2).

GAGE.--Water-stage recorder. Datum of gage is 8,108.51 ft (2,471.474 m) above mean sea level (levels by Utah State Water and Power Board).

EXTREMES.--Maximum discharge, 1,010 ft^3/s (28.6 m^3/s) June 10, 1965 (gage height, 4.78 ft or 1.457 m), from rating curve extended above 490 ft^3/s (13.9 m^3/s); no flow for part of each day Apr. 22, May 1-3, 1951.

REMARKS.--Mosby Canal has diverted water above station of irrigation in Deep Creek basin since 1942 or 1943.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	6.00 30	6.00 29	6.00 29	6.21 29	7.00 28	7.07 28	8.04 28	8.53 28	20.60 31	28.00 11
1942	5.00 23	5.00 24	5.00 23	5.00 23	5.00 22	5.02 17	5.68 19	7.34 26	18.60 30	60.80 31
1943	2.00 7	2.00 7	2.00 6	2.00 6	2.00 5	2.48 3	2.66 3	2.99 3	5.22 8	42.40 20
1944	5.00 24	6.00 30	7.00 30	7.00 30	7.00 29	7.00 27	7.00 26	7.24 24	8.48 21	31.80 14
1945	4.50 20	4.50 20	4.50 20	4.50 19	4.50 16	4.51 13	4.67 11	4.88 9	6.22 11	57.10 29
1946	5.00 25	5.00 25	5.00 24	5.00 24	5.00 23	5.41 20	5.94 20	6.55 20	8.14 20	33.50 17
1947	5.50 29	5.50 28	5.50 28	5.89 28	12.00 31	12.00 31	12.10 31	12.30 31	14.60 28	26.00 9
1948	11.00 31	11.00 31	11.00 31	11.00 31	11.00 30	11.00 30	11.20 30	11.60 30	13.20 27	54.90 27
1949	3.50 15	3.50 15	3.50 14	3.50 14	3.50 11	3.64 7	3.85 6	4.01 6	5.21 7	27.30 10
1950	4.00 18	4.00 16	4.00 16	4.00 15	4.00 13	4.02 9	4.34 9	5.19 12	9.16 23	41.70 19
1951	4.00 19	4.00 17	4.00 17	4.00 16	4.00 14	4.50 12	5.00 13	5.38 13	6.85 13	44.80 24
1952	2.00 8	2.23 9	2.69 11	3.00 10	3.30 9	3.81 8	3.87 7	4.17 7	7.27 15	35.60 18
1953	5.00 26	5.00 26	5.00 25	5.50 26	5.50 25	5.76 22	6.17 23	6.63 22	8.96 22	57.50 30
1954	2.70 13	3.03 13	3.10 12	3.28 13	3.40 10	3.40 6	3.43 5	3.49 5	3.59 4	21.20 4
1955	3.20 14	3.33 14	3.50 15	4.36 17	5.00 24	5.02 18	5.34 18	5.76 15	7.36 16	25.40 8
1956	2.50 12	2.77 12	3.13 13	3.20 11	4.48 15	4.49 11	4.68 12	4.93 10	5.27 9	20.60 3
1957	0.50 1	0.50 1	0.50 1	0.57 1	1.29 1	2.09 2	2.34 1	2.56 1	3.11 1	23.70 7
1958	3.70 16	4.03 18	4.20 19	4.74 20	4.96 21	5.50 21	6.00 21	6.62 21	7.62 17	43.60 22
1959	1.60 5	1.60 5	1.74 5	1.78 4	1.90 4	2.70 4	3.08 4	3.38 4	3.37 3	32.20 15
1960	2.20 9	2.40 10	2.50 10	2.56 7	3.25 8	6.07 24	6.51 24	6.88 23	7.90 19	18.60 2
1961	1.10 2	1.17 2	1.24 2	1.46 3	1.75 2	1.93 1	2.35 2	2.70 2	3.20 2	18.40 1
1962	1.30 4	1.40 4	1.70 4	1.85 5	2.12 6	9.30 29	9.32 29	9.74 29	17.70 29	30.00 12
1963	2.30 11	2.40 11	2.49 9	2.59 8	2.95 7	4.23 10	4.36 10	4.95 11	4.83 6	44.70 23
1964	2.20 10	2.20 8	2.37 8	3.28 12	4.58 17	5.00 16	5.33 17	5.88 16	6.21 10	21.50 5
1965	1.10 3	1.20 3	1.27 3	1.40 2	1.88 3	3.17 5	4.34 8	4.50 8	4.61 5	30.30 13
1966	4.00 17	4.03 19	4.19 18	4.49 18	4.62 18	4.93 14	5.29 16	6.11 18	9.90 25	56.20 28
1967	1.80 6	1.97 6	2.24 7	2.99 9	3.86 12	6.45 25	7.31 27	7.95 27	10.10 26	23.70 6
1968	5.20 28	5.30 27	5.47 27	5.56 27	5.85 26	6.06 23	6.17 22	6.38 19	7.88 18	49.70 26
1969	4.60 21	4.73 22	4.77 21	4.79 21	4.86 19	5.00 15	5.20 14	5.38 14	6.47 12	47.00 25
1970	5.00 27	5.00 23	5.06 26	5.19 25	6.09 27	6.56 26	6.94 25	7.25 25	9.86 24	43.30 21
1971	4.60 22	4.67 21	4.79 22	4.89 22	4.95 20	5.04 19	5.29 15	5.92 17	6.86 14	32.30 16

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	477.0 12	447.0 13	403.0 13	360.0 9	312.0 5	249.0 2	182.0 2	146.0 4	103.0 3	61.6 1
1942	501.0 11	472.0 10	422.0 9	392.0 6	316.0 4	197.0 10	143.0 10	113.0 11	79.5 10	49.0 8
1943	272.0 24	261.0 25	219.0 25	158.0 25	124.0 28	117.0 22	93.2 20	76.1 20	55.1 20	30.2 21
1944	634.0 6	443.0 9	423.0 8	412.0 4	373.0 2	283.0 1	205.0 1	159.0 1	108.0 1	58.1 2
1945	193.0 31	185.0 31	162.0 29	152.0 26	145.0 25	125.0 19	101.0 19	83.2 17	58.8 16	32.6 17
1946	201.0 30	186.0 29	153.0 31	135.0 30	98.8 30	72.4 31	54.3 30	44.1 30	37.3 26	22.7 27
1947	416.0 15	368.0 16	294.0 19	254.0 18	244.0 13	210.0 7	166.0 6	136.0 5	96.5 5	55.7 4
1948	362.0 20	338.0 20	301.0 18	250.0 19	193.0 19	118.0 21	86.4 21	68.9 21	49.4 21	31.2 19
1949	531.0 10	461.0 11	382.0 14	333.0 12	265.0 12	184.0 13	136.0 13	107.0 13	74.0 13	39.7 13
1950	572.0 8	521.0 8	412.0 10	357.0 10	290.0 10	194.0 9	146.0 9	118.0 9	82.6 9	46.0 10
1951	650.0 4	571.0 5	442.0 7	268.0 17	222.0 16	138.0 18	106.0 17	92.1 14	63.9 14	35.4 14
1952	650.0 5	618.0 4	533.0 3	437.0 2	305.0 6	235.0 4	176.0 4	149.0 2	106.0 2	56.5 3
1953	400.0 17	361.0 17	283.0 20	213.0 22	152.0 22	91.7 26	68.0 24	54.8 24	38.6 25	23.8 23
1954	344.0 21	288.0 21	259.0 21	229.0 20	163.0 21	102.0 23	78.1 23	62.3 23	43.4 23	23.6 24
1955	217.0 28	208.0 28	191.0 26	150.0 27	116.0 29	87.5 29	63.8 29	50.6 28	36.0 29	21.7 28
1956	364.0 19	347.0 19	332.0 16	271.0 15	196.0 18	121.0 20	85.1 22	65.2 22	44.3 22	24.3 22
1957	715.0 3	650.0 3	545.0 2	397.0 5	304.0 7	191.0 12	140.0 12	115.0 10	79.4 11	41.7 11
1958	569.0 9	533.0 7	481.0 5	381.0 8	273.0 11	165.0 14	118.0 14	90.7 15	61.4 15	34.3 15
1959	203.0 29	185.0 30	155.0 30	119.0 31	97.6 31	74.7 30	53.4 31	42.1 31	29.4 31	16.4 31
1960	258.0 26	227.0 26	171.0 28	137.0 29	127.0 27	87.6 28	64.6 28	50.1 29	35.1 30	20.6 30
1961	291.0 22	281.0 22	240.0 22	189.0 24	150.0 23	94.7 25	66.8 26	53.7 25	42.5 24	23.0 26
1962	375.0 18	351.0 18	301.0 17	269.0 16	242.0 14	196.0 11	153.0 8	124.0 8	85.4 8	50.9 7
1963	281.0 23	264.0 23	234.0 24	192.0 23	146.0 24	95.3 24	66.1 27	51.3 27	36.8 28	21.0 29
1964	474.0 13	455.0 12	405.0 12	284.0 14	217.0 17	150.0 16	107.0 16	82.7 19	56.0 19	30.8 20
1965	780.0 1	666.0 2	561.0 1	423.0 3	330.0 3	234.0 5	178.0 3	147.0 3	102.0 4	53.8 5
1966	235.0 27	223.0 27	190.0 27	148.0 28	140.0 26	89.6 27	67.4 25	53.0 26	37.1 27	23.5 25
1967	621.0 7	553.0 6	465.0 6	342.0 11	296.0 8	241.0 3	174.0 5	135.0 6	91.6 6	51.0 6
1968	746.0 2	674.0 1	529.0 4	450.0 1	379.0 1	224.0 6	163.0 7	128.0 7	87.3 7	47.6 9
1969	440.0 14	437.0 14	409.0 11	386.0 7	294.0 9	201.0 8	142.0 11	110.0 12	76.7 12	41.7 12
1970	245.0 25	241.0 24	240.0 23	229.0 21	192.0 20	140.0 17	104.0 18	82.8 18	57.6 17	33.8 16
1971	412.0 16	403.0 15	363.0 15	310.0 13	239.0 15	151.0 15	108.0 15	83.7 16	57.1 18	32.0 18

09268000 Dry Fork above sinks, near Dry Fork, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	11322	100.0	9	2.90	586	10872	96.0	18	22.0	390	3311	29.2	27	160	200	721	6.3
1	0.50	8	11322	100.0	10	3.70	907	10286	90.8	19	27.0	438	2921	25.8	28	200	168	521	4.6
2	0.60	5	11314	99.9	11	4.60	1177	9379	82.8	20	34.0	342	2483	21.9	29	250	143	353	3.1
3	0.80	2	11309	99.9	12	5.70	1476	8202	72.4	21	42.0	300	2141	18.9	30	310	93	210	1.8
4	1.00	4	11307	99.9	13	7.10	757	6726	59.4	22	52.0	309	1841	16.3	31	380	77	117	1.0
5	1.20	25	11303	99.8	14	8.90	715	5969	52.7	23	65.0	206	1532	13.5	32	480	28	40	.3
6	1.50	58	11278	99.6	15	11.00	805	5254	46.4	24	81.0	212	1326	11.7	33	600	11	12	.1
7	1.90	166	11220	99.1	16	14.00	526	4449	39.3	25	100.0	235	1114	9.8	34	750	1	1	
8	2.40	182	11054	97.6	17	17.00	612	3923	34.6	26	130.0	158	879	7.8					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1941	1 73 4 72 2 1 1 12 65 26 15 18 12 8 7 1 4 14 12 12 5	22473.0
1942	59 23 18 18 11 34 29 26 32 24 17 22 12 4 4 3 4 5 4 7 7 2	17900.0
1943	31 59 32 7 18 6 10 36 25 15 31 14 9 4 11 9 20 9 5 7 4 3	11027.0
1944	91 62 48 34 18 9 11 9 6 4 7 6 4 5 5 4 8 11 13 7 3 1	21257.0
1945	59 62 47 15 23 4 16 15 10 12 19 10 14 8 6 16 16 13	11883.1
1946	42 61 33 33 41 36 26 14 10 14 13 14 8 6 5 6 2 1	8295.9
1947	134 9 57 28 14 19 15 7 11 3 10 13 14 15 13 2 1	20328.0
1948	25154 60 44 21 11 7 6 6 2 3 6 2 6 5 5 3	11427.3
1949	43 78 15 23 17 35 20 21 17 9 9 6 4 9 7 8 11 6 7 3 8 4 4 1	14492.8
1950	59 34 25 1 14 11 28 67 17 15 15 11 6 8 11 5 7 5 8 9 5 2 2	16777.0
1951	2 3 19 37 31 76 14 19 15 10 11 23 22 13 9 9 10 11 11 3 5 3 4 2 2 1	12936.1
1952	6 85 37 31 13 3 5 25 15 10 11 22 17 14 17 12 7 10 4 8 4 6 2 2	20685.3
1953	60 71 41 17 28 38 43 14 13 7 5 2 1 3 5 7 4 1 3 2	8690.7
1954	1160 35 15 17 9 6 9 8 12 5 35 15 4 6 2 5 2 3 4 10 1 1	8598.5
1955	4 66 99 36 16 39 19 21 6 5 3 7 9 9 7 7 5 5 2	7917.9
1956	8 5 2 2 1 2 9 24 24 74 84 31 12 4 7 5 10 8 6 5 5 2 6 6 4 1 6 5 1 7	8908.0
1957	46 13127 23 4 1 2 6 12 11 3 20 22 14 10 5 9 4 4 7 10 2 3 2 2 3	15226.5
1958	4 15 24 10 59 66 26 46 12 17 4 12 5 8 5 18 6 2 3 1 2 3 6 4 3 4	12507.9
1959	10 24 22116 51 26 8 8 9 12 10 7 4 3 4 11 13 9 4 6 5 2 1	5996.0
1960	1 8 23 23 11 5 6 18111 39 10 25 11 13 3 7 4 4 10 5 6 12 4 5 1 1	7524.3
1961	2 10 59 26 56 43 33 6 4 8 7 7 11 8 17 11 10 14 5 5 5 9 3 3 3	8400.1
1962	1 3 25 5 3 3 2112 11 18 13 16 14 20 28 17 7 9 17 6 6 13 10 6	18587.0
1963	5 22 16 84 47 81 25 5 5 3 7 8 4 5 3 14 5 3 6 6 5 4 2	7663.9
1964	1 4 11 4 6 4 12 99 85 19 34 5 3 2 4 6 5 8 6 1 11 14 6 5 1 2 3 5	11287.7
1965	10 1 1 79 81 12 29 4 5 5 2 2 15 22 14 13 17 8 2 18 6 7 2 6 2 1 1	19654.2
1966	1 4 3 15 21 63 44 40 26 17 8 20 28 20 15 7 1 3 5 11 4 3 6	8567.5
1967	18 55 56 44 35 22 32 15 10 5 8 4 4 5 2 4 15 8 8 5 8 1 1	18604.6
1968	119 57 11 37 23 17 6 16 11 11 11 8 5 3 1 6 3 5 2 5 7 2	17414.1
1969	104 52 27 25 33 15 20 16 5 4 5 6 5 3 13 2 4 6 4 7 9	15208.6
1970	7 71 76 17 25 31 45 6 16 8 10 7 2 2 8 7 13 10 4	12335.6
1971	6 83 73 67 22 22 8 6 11 11 6 3 5 3 4 4 7 6 5 7 3 3	11696.8

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.355E 02	0.170E 02	0.700E 01	0.600E 01	0.600E 01	0.600E 01	0.212E 02	0.115E 03	0.252E 02	0.121E 02	0.955E 01	0.316E 02
1941	0.548E 02	0.300E 02	0.100E 02	0.100E 02	0.700E 01	0.703E 01	0.783E 01	0.229E 03	0.249E 03	0.608E 02	0.372E 02	0.338E 02
1942	0.519E 02	0.285E 02	0.124E 02	0.697E 01	0.500E 01	0.500E 01	0.173E 02	0.121E 03	0.247E 03	0.554E 02	0.230E 02	0.152E 02
1943	0.123E 02	0.667E 01	0.400E 01	0.200E 01	0.300E 01	0.300E 01	0.430E 02	0.125E 03	0.943E 02	0.304E 02	0.236E 02	0.134E 02
1944	0.124E 02	0.943E 01	0.800E 01	0.700E 01	0.700E 01	0.700E 01	0.800E 01	0.133E 03	0.361E 03	0.111E 03	0.234E 02	0.118E 02
1945	0.102E 02	0.736E 01	0.550E 01	0.500E 01	0.450E 01	0.450E 01	0.600E 01	0.105E 03	0.136E 03	0.544E 02	0.317E 02	0.166E 02
1946	0.126E 02	0.959E 01	0.840E 01	0.700E 01	0.580E 01	0.500E 01	0.453E 02	0.722E 02	0.379E 02	0.146E 02	0.298E 02	0.237E 02
1947	0.208E 02	0.175E 02	0.129E 02	0.120E 02	0.120E 02	0.124E 02	0.172E 02	0.227E 03	0.184E 03	0.800E 02	0.430E 02	0.260E 02
1948	0.179E 02	0.148E 02	0.130E 02	0.110E 02	0.110E 02	0.115E 02	0.133E 02	0.138E 03	0.907E 02	0.258E 02	0.159E 02	0.104E 02
1949	0.907E 01	0.587E 01	0.450E 01	0.400E 01	0.350E 01	0.402E 01	0.115E 02	0.124E 03	0.234E 03	0.468E 02	0.180E 02	0.113E 02
1950	0.169E 02	0.169E 02	0.781E 01	0.500E 01	0.400E 01	0.400E 01	0.210E 02	0.150E 03	0.215E 03	0.686E 02	0.246E 02	0.170E 02
1951	0.113E 02	0.796E 01	0.650E 01	0.600E 01	0.500E 01	0.400E 01	0.330E 01	0.116E 03	0.142E 03	0.321E 02	0.609E 02	0.285E 02
1952	0.198E 02	0.683E 01	0.516E 01	0.390E 01	0.370E 01	0.400E 01	0.126E 02	0.199E 03	0.265E 03	0.602E 02	0.650E 02	0.327E 02
1953	0.153E 02	0.115E 02	0.800E 01	0.700E 01	0.600E 01	0.550E 01	0.857E 01	0.349E 02	0.144E 03	0.240E 02	0.150E 02	0.674E 01
1954	0.404E 01	0.348E 01	0.366E 01	0.350E 01	0.340E 01	0.340E 01	0.119E 02	0.153E 03	0.453E 02	0.302E 02	0.742E 01	0.104E 02
1955	0.111E 02	0.994E 01	0.700E 01	0.600E 01	0.500E 01	0.500E 01	0.650E 01	0.107E 03	0.632E 02	0.178E 02	0.111E 02	0.955E 01
1956	0.613E 01	0.581E 01	0.568E 01	0.477E 01	0.450E 01	0.477E 01	0.783E 01	0.155E 03	0.804E 02	0.115E 02	0.189E 01	0.244E 01
1957	0.281E 01	0.324E 01	0.421E 01	0.450E 01	0.400E 01	0.410E 01	0.496E 01	0.204E 02	0.301E 03	0.782E 02	0.427E 02	0.323E 02
1958	0.970E 01	0.938E 01	0.848E 01	0.700E 01	0.600E 01	0.500E 01	0.867E 01	0.191E 03	0.128E 03	0.275E 02	0.362E 01	0.398E 01
1959	0.195E 01	0.441E 01	0.404E 01	0.350E 01	0.350E 01	0.300E 01	0.325E 01	0.547E 02	0.874E 02	0.156E 02	0.851E 01	0.713E 01
1960	0.682E 01	0.131E 02	0.800E 01	0.700E 01	0.600E 01	0.652E 01	0.179E 02	0.868E 02	0.848E 02	0.566E 01	0.215E 01	0.215E 01
1961	0.398E 01	0.276E 01	0.477E 01	0.400E 01	0.300E 01	0.200E 01	0.212E 01	0.877E 02	0.947E 02	0.132E 02	0.152E 02	0.425E 02
1962	0.448E 02	0.206E 02	0.111E 02	0.900E 01	0.964E 01	0.935E 01	0.399E 02	0.141E 03	0.242E 03	0.613E 02	0.181E 02	0.379E 01
1963	0.498E 01	0.552E 01	0.590E 01	0.466E 01	0.418E 01	0.555E 01	0.700E 01	0.122E 03	0.637E 02	0.754E 01	0.570E 01	0.143E 02
1964	0.676E 01	0.677E 01	0.765E 01	0.600E 01	0.500E 01	0.500E 01	0.550E 01	0.140E 03	0.129E 03	0.459E 02	0.905E 01	0.214E 01
1965	0.535E 01	0.580E 01	0.500E 01	0.500E 01	0.450E 01	0.418E 01	0.543E 01	0.536E 02	0.328E 03	0.124E 03	0.584E 02	0.480E 02
1966	0.249E 02	0.876E 01	0.848E 01	0.602E 01	0.521E 01	0.464E 01	0.131E 02	0.135E 03	0.408E 02	0.165E 02	0.668E 01	0.913E 01
1967	0.152E 02	0.137E 02	0.990E 01	0.855E 01	0.744E 01	0.595E 01	0.585E 01	0.148E 03	0.264E 03	0.932E 02	0.257E 02	0.127E 02
1968	0.113E 02	0.103E 02	0.699E 01	0.615E 01	0.603E 01	0.643E 01	0.780E 01	0.317E 02	0.378E 03	0.580E 02	0.399E 02	0.130E 02
1969	0.916E 01	0.799E 01	0.592E 01	0.558E 01	0.514E 01	0.486E 01	0.945E 01	0.276E 03	0.117E 03	0.237E 02	0.127E 02	0.185E 02
1970	0.175E 02	0.121E 02	0.818E 01	0.771E 01	0.703E 01	0.609E 01	0.608E 01	0.961E 02	0.162E 03	0.446E 02	0.200E 02	0.177E 02
1971	0.971E 01	0.754E 01	0.780E 01	0.579E 01	0.505E 01	0.500E 01	0.753E 01	0.685E 02	0.226E 03	0.281E 02	0.870E 01	0.608E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268000 Dry Fork above sinks, near Dry Fork, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1553E 02	0.1067E 02	0.7374E 01	0.6175E 01	0.5566E 01	0.5431E 01	0.1272E 02	0.1236E 03	0.1643E 03	0.4308E 02	0.2245E 02	0.1675E 02
0.1805E 03	0.4345E 02	0.6587E 01	0.4842E 01	0.4527E 01	0.4891E 01	0.1212E 03	0.3417E 04	0.9913E 04	0.9284E 03	0.2962E 03	0.1448E 03
0.1343E 02	0.6592E 01	0.2566E 01	0.2200E 01	0.2128E 01	0.2212E 01	0.1101E 02	0.5846E 02	0.9956E 02	0.3047E 02	0.1721E 02	0.1203E 02
0.1835E 01	0.1502E 01	0.6574E 00	0.8056E 00	0.1527E 01	0.1709E 01	0.2003E 01	0.5141E 00	0.5355E 00	0.9822E 00	0.1065E 01	0.9446E 00
0.4651E 00	0.6180E 00	0.3481E 00	0.3563E 00	0.3822E 00	0.4072E 00	0.8656E 00	0.4728E 00	0.6058E 00	0.7072E 00	0.7667E 00	0.7178E 00
0.3580E 01	0.2459E 01	0.1700E 01	0.1424E 01	0.1283E 01	0.1252E 01	0.2932E 01	0.2851E 02	0.3789E 02	0.9933E 01	0.5176E 01	0.3865E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.907	0.637	*	*	*	*	*	*	*	*	*
*	1.000	0.782	0.683	*	*	*	*	*	*	*	*
*	*	1.000	0.911	0.848	*	*	*	*	*	*	*
*	*	*	1.000	0.944	0.892	*	*	*	*	*	*
*	*	*	*	1.000	0.965	0.178	*	*	*	*	*
*	*	*	*	*	1.000	0.183	0.286	*	*	*	*
*	*	*	*	*	*	1.000	0.071	-0.190	*	*	*
*	*	*	*	*	*	*	1.000	-0.109	0.038	*	*
*	*	*	*	*	*	*	*	1.000	0.841	0.581	*
*	*	*	*	*	*	*	*	*	1.000	0.620	0.355
*	*	*	*	*	*	*	*	*	*	1.000	0.691
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.237
SEPT-OCT 0.737
SEPT-NOV 0.573

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.394	0.225	-0.068	-0.007	0.062	0.117	-0.108	-0.457	-0.179	-0.186	0.101	-0.214

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268001 Combined flow of Dry Fork and Mosby Canal

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1956	3.60	7	4.17	10	4.34	10	4.45	8	4.48	8	4.49	6	4.68	6	4.93	5	5.75	5	22.30	2
1957	2.20	3	3.53	5	4.00	7	4.00	7	4.00	6	4.06	3	4.21	3	4.25	3	4.50	2	26.50	4
1958	3.70	8	4.03	9	4.20	9	4.74	10	4.96	10	5.50	9	6.00	9	6.62	9	9.86	8	46.60	10
1959	2.90	6	3.00	4	3.00	4	3.00	4	3.00	3	3.24	2	3.33	2	3.50	1	4.38	1	36.00	9
1960	2.40	4	2.50	3	2.50	3	2.56	3	3.25	4	6.27	10	6.51	10	6.88	10	10.00	9	23.80	3
1961	2.00	2	2.00	2	2.00	2	2.00	2	2.00	1	2.50	1	3.00	1	3.51	2	5.05	3	21.70	1
1962	1.50	1	1.70	1	1.89	1	1.94	1	2.29	2	9.30	12	9.32	12	9.74	12	17.70	12	34.20	7
1963	2.90	5	3.70	6	4.00	5	4.00	5	4.00	5	4.23	4	4.49	4	5.08	6	6.80	6	48.50	11
1964	5.00	11	5.00	11	5.00	11	5.00	11	5.00	11	5.00	8	5.33	8	5.88	7	9.29	7	27.70	5
1965	3.80	9	4.00	7	4.00	6	4.00	6	4.17	7	4.34	5	4.56	5	4.67	4	5.29	4	34.80	8
1966	4.00	10	4.03	8	4.19	8	4.49	9	4.62	9	4.93	7	5.29	7	6.18	8	11.20	10	58.80	12
1967	5.40	12	5.57	12	5.77	12	5.79	12	5.94	12	6.70	11	7.31	11	7.95	11	12.00	11	28.70	6

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1955	226.0	12	218.0	12	199.0	11	155.0	10	119.0	12	89.0	12	65.4	12	53.9	12	38.8	11	23.4	12
1956	377.0	7	361.0	6	345.0	6	284.0	6	206.0	7	127.0	7	90.5	7	70.8	7	48.4	8	27.1	9
1957	726.0	2	661.0	2	557.0	2	406.0	2	320.0	2	200.0	4	146.0	4	120.0	4	83.2	4	43.9	4
1958	580.0	4	544.0	4	491.0	3	388.0	3	282.0	4	170.0	5	123.0	5	96.3	5	67.5	5	38.7	5
1959	205.0	13	186.0	13	157.0	13	120.0	13	99.2	13	75.7	13	58.0	13	50.3	13	37.6	13	21.0	13
1960	262.0	10	232.0	11	176.0	12	138.0	12	129.0	11	90.0	11	67.2	11	54.0	11	38.3	12	24.1	11
1961	233.0	8	285.0	8	243.0	9	199.0	9	159.0	8	99.7	9	75.6	8	64.5	8	50.8	7	28.0	8
1962	381.0	6	357.0	7	306.0	7	278.0	7	249.0	5	203.0	3	159.0	3	129.0	3	90.0	3	53.9	3
1963	293.0	9	274.0	9	245.0	8	202.0	8	155.0	9	101.0	8	72.7	10	60.0	10	46.1	9	26.5	10
1964	482.0	5	461.0	5	412.0	5	292.0	5	230.0	6	163.0	6	118.0	6	93.7	6	64.1	6	36.7	6
1965	799.0	1	680.0	1	570.0	1	432.0	1	339.0	1	245.0	2	186.0	1	153.0	1	106.0	1	55.9	2
1966	245.0	11	234.0	10	199.0	10	154.0	11	149.0	10	99.2	10	74.9	9	61.0	9	45.3	10	28.2	7
1967	632.0	3	564.0	3	476.0	4	350.0	4	302.0	3	248.0	1	184.0	2	147.0	2	100.0	2	56.3	1

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	4748	100.0	9	6.70	433	3166	66.7	18	36.0	153	1016	21.4	27	200	73	201	4.2
1	1.50	1	4748	100.0	10	8.10	262	2733	57.6	19	44.0	126	863	18.2	28	240	36	128	2.6
2	1.80	55	4747	100.0	11	9.80	249	2471	52.0	20	53.0	120	737	15.5	29	280	37	92	1.9
3	2.20	13	4692	98.8	12	12.00	154	2222	46.8	21	64.0	83	617	13.0	30	340	25	55	1.1
4	2.60	74	4679	98.5	13	14.00	257	2068	43.6	22	77.0	72	534	11.2	31	410	16	30	.6
5	3.20	67	4605	97.0	14	17.00	262	1811	38.1	23	92.0	59	462	9.7	32	500	8	14	.2
6	3.80	448	4538	95.6	15	21.00	201	1549	32.6	24	110.0	61	403	8.5	33	600	5	6	.1
7	4.60	563	4090	86.1	16	25.00	196	1348	28.4	25	130.0	69	342	7.2	34	730	1	1	.0
8	5.60	361	3527	74.3	17	30.00	136	1152	24.3	26	160.0	72	273	5.7					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1955							59	51	47	9	30	25	37	27	16	6	5	3	7	8	7	6	5	3	7	3	4									8540.1
1956					1		1	65	100	37	16	26	13	10	20	12	8	5	5	4	4	3	5	2	5	2	2	6	5	2	3	4					9909.1
1957							2149	51	8	3	1	1		9	9	7	9	21	25	10	9	4	8	3	3	3	4	8	7	2	3	1	2	3		16040.5
1958								46	28	52	25	17	19	42	27	21	16	6	9	6	12	7	6	1	1	2	1	4	2	5	3	4	3			14131.6
1959				10	45	63	40	25	6	15	6	2	2	15	26	16	16	17	11	9	13	8	4	4	3	6	2	1									7662.6
1960									48	114	10	29	28	27	26	19	7	7	3	4	10	3	7	5	8	4	4	2	1								8831.4
1961		1	55	2	28	1	31	47	15	6	6	12	4	11	17	11	16	20	19	12	11	7	7	4	1	6	9	3	1	2							10222.8
1962											67	59	15	30	18	8	19	12	23	23	11	10	7	7	11	8	8	9	7	11	2						19658.9
1963						1		68	26	9	78	18	11	10	10	23	30	13	7	9	4	13	6	3	4	2	8	5	3	3	1							9667.6
1964									75	50	26	28	27	13	13	16	18	24	7	6	8	4	4	1	4	12	11	7	1	1	3	4	3				13432.6
1965								80	81	19	28	7	3	3	6	1	1		3	18	19	11	13	13	7	6	2	8	15	8	2	3	4	2	1	1		20407.2
1966								15	42	36	16	8	24	15	35	45	29	26	12	14	9	6	1	3	5	7	7	4	5	1							10293.2
1967									11	54	32	51	21	10	2	15	17	39	14	9	11	9	8	5	5	2	3	11	13	3	8	6	4	1	1		20557.8

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268001 Combined flow of Dry Fork and Mosby Canal--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	0.142E+02	0.994E+01	0.700E+01	0.600E+01	0.500E+01	0.500E+01	0.650E+01	0.109E+03	0.633E+02	0.196E+02	0.192E+02	0.138E+02
1956	0.887E+01	0.581E+01	0.568E+01	0.477E+01	0.450E+01	0.477E+01	0.783E+01	0.162E+03	0.855E+02	0.187E+02	0.943E+01	0.527E+01
1957	0.493E+01	0.499E+01	0.445E+01	0.450E+01	0.400E+01	0.410E+01	0.496E+01	0.211E+02	0.316E+03	0.810E+02	0.427E+02	0.369E+02
1958	0.219E+02	0.102E+02	0.849E+01	0.700E+01	0.600E+01	0.500E+01	0.867E+01	0.199E+03	0.132E+03	0.300E+02	0.175E+02	0.164E+02
1959	0.729E+01	0.463E+01	0.404E+01	0.350E+01	0.350E+01	0.300E+01	0.325E+01	0.562E+02	0.882E+02	0.249E+02	0.291E+02	0.239E+02
1960	0.192E+02	0.131E+02	0.800E+01	0.700E+01	0.600E+01	0.652E+01	0.190E+02	0.896E+02	0.854E+02	0.172E+02	0.102E+02	0.804E+01
1961	0.102E+02	0.584E+01	0.503E+01	0.400E+01	0.300E+01	0.200E+01	0.229E+01	0.910E+02	0.102E+03	0.233E+02	0.349E+02	0.513E+02
1962	0.449E+02	0.204E+02	0.111E+02	0.900E+01	0.964E+01	0.935E+01	0.399E+02	0.146E+03	0.249E+03	0.679E+02	0.258E+02	0.125E+02
1963	0.134E+02	0.667E+01	0.590E+01	0.466E+01	0.418E+01	0.555E+01	0.700E+01	0.128E+03	0.673E+02	0.181E+02	0.204E+02	0.345E+02
1964	0.214E+02	0.105E+02	0.765E+01	0.600E+01	0.500E+01	0.500E+01	0.550E+01	0.145E+03	0.148E+03	0.479E+02	0.255E+02	0.116E+02
1965	0.713E+01	0.580E+01	0.500E+01	0.500E+01	0.450E+01	0.418E+01	0.543E+01	0.566E+02	0.337E+03	0.134E+03	0.584E+02	0.481E+02
1966	0.249E+02	0.160E+02	0.894E+01	0.602E+01	0.521E+01	0.464E+01	0.135E+02	0.144E+03	0.511E+02	0.251E+02	0.166E+02	0.201E+02
1967	0.242E+02	0.151E+02	0.990E+01	0.855E+01	0.744E+01	0.595E+01	0.585E+01	0.152E+03	0.268E+03	0.106E+03	0.442E+02	0.264E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1711E+02	0.9935E+01	0.7016E+01	0.5846E+01	0.5229E+01	0.5005E+01	0.9978E+01	0.1154E+03	0.1534E+03	0.4722E+02	0.2722E+02	0.2376E+02
0.1174E+03	0.2515E+02	0.4911E+01	0.2833E+01	0.3109E+01	0.3096E+01	0.1006E+03	0.2539E+04	0.1043E+05	0.1482E+04	0.2076E+03	0.2227E+03
0.1084E+02	0.5015E+01	0.2216E+01	0.1683E+01	0.1763E+01	0.1759E+01	0.1003E+02	0.5039E+02	0.1021E+03	0.3849E+02	0.1441E+02	0.1492E+02
0.1372E+01	0.8530E+00	0.3814E+00	0.6004E+00	0.1395E+01	0.9082E+00	0.2586E+01	-0.3539E+00	0.8727E+00	0.1330E+01	0.8498E+00	0.7079E+00
0.6332E+00	0.5048E+00	0.3159E+00	0.2879E+00	0.3372E+00	0.3516E+00	0.1005E+01	0.4367E+00	0.6658E+00	0.8152E+00	0.5294E+00	0.6282E+00
0.4007E+01	0.2326E+01	0.1643E+01	0.1369E+01	0.1224E+01	0.1172E+01	0.2336E+01	0.2702E+02	0.3591E+02	0.1106E+02	0.6373E+01	0.5563E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.948	0.940	*	*	*	*	*	*	*	*	*
*	1.000	0.963	0.901	*	*	*	*	*	*	*	*
*	*	1.000	0.951	0.908	*	*	*	*	*	*	*
*	*	*	1.000	0.957	0.837	*	*	*	*	*	*
*	*	*	*	1.000	0.912	0.819	*	*	*	*	*
*	*	*	*	*	1.000	0.863	0.413	*	*	*	*
*	*	*	*	*	*	1.000	0.261	0.112	*	*	*
*	*	*	*	*	*	*	1.000	-0.337	-0.275	*	*
*	*	*	*	*	*	*	*	1.000	0.943	0.823	*
*	*	*	*	*	*	*	*	*	1.000	0.874	0.431
*	*	*	*	*	*	*	*	*	*	1.000	0.762
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.544
SEPT-OCT 0.873
SEPT-NOV 0.840

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.280	-0.306	-0.416	-0.585	-0.530	-0.494	-0.348	-0.596	-0.374	-0.203	-0.440	-0.591

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268500 North Fork of Dry Fork near Dry Fork, Utah

LOCATION.--Lat 40°38'34", long 109°48'37", in sec.17, T.2 S., R.19 E., Uintah County, Ashley National Forest, on left bank 2 miles (3 km) upstream from mouth and 9.5 miles (15.3 km) northwest of town of Dry Fork.

DRAINAGE AREA.--8.62 sq mi (22.33 km^2).

GAGE.--Water-stage recorder. Datum of gage is 8,284.28 ft (2,525.048 m) above mean sea level (levels by Utah Water and Power Board).

EXTREMES.--Maximum discharge, 169 ft^3/s (4.79 m^3/s) June 5, 1968 (gage height, 3.34 ft or 1.018 m); maximum gage height, 3.60 ft (1.097 m) May 7, 1947; no flow for part of Apr. 21, 1961, May 1, 1963.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1948	0.60 21	0.60 20	0.60 19	0.60 19	0.60 19	0.60 16	0.63 15	0.66 15	1.02 13	10.60 23
1949	0.40 16	0.40 13	0.40 13	0.40 13	0.40 14	0.43 8	0.47 8	0.50 8	0.74 8	4.38 8
1950	0.90 25	0.90 25	0.90 25	0.90 24	0.91 24	0.98 21	1.14 21	1.29 21	1.62 20	7.13 14
1951	0.30 12	0.33 11	0.36 11	0.38 11	0.39 10	0.45 9	0.53 11	0.60 12	0.88 11	8.19 17
1952	0.20 5	0.20 5	0.20 5	0.24 8	0.48 15	0.49 12	0.53 12	0.55 10	0.69 6	4.90 9
1953	0.20 6	0.20 6	0.20 6	0.20 5	0.20 4	0.25 3	0.30 3	0.41 4	0.72 7	7.87 15
1954	0.20 7	0.20 7	0.20 7	0.20 6	0.30 8	0.30 5	0.30 4	0.34 2	0.50 2	4.13 7
1955	0.10 1	0.10 1	0.10 1	0.10 1	0.10 1	0.10 1	0.10 1	0.13 1	0.31 1	4.05 6
1956	0.20 8	0.20 8	0.20 8	0.20 7	0.22 6	0.26 4	0.31 5	0.38 3	0.60 4	3.08 2
1957	0.30 9	0.30 9	0.30 9	0.30 9	0.30 7	0.35 6	0.40 6	0.45 5	0.58 3	5.69 11
1958	0.30 10	0.30 10	0.30 10	0.30 10	0.33 9	1.10 22	1.27 23	1.43 24	1.87 21	8.21 18
1959	0.40 13	0.40 14	0.40 14	0.40 14	0.40 11	0.45 10	0.50 10	0.57 11	0.78 9	8.25 19
1960	0.40 14	0.40 15	0.40 15	0.43 16	0.50 16	0.53 13	0.57 13	0.62 13	1.03 14	2.72 1
1961	0.40 15	0.40 16	0.40 16	0.40 15	0.40 12	0.45 11	0.47 9	0.48 7	0.64 5	3.11 3
1962	0.10 2	0.13 4	0.16 4	0.18 4	0.20 5	1.13 23	1.17 22	1.40 23	2.69 25	4.04 5
1963	0.10 3	0.10 2	0.10 2	0.10 2	0.10 2	0.14 2	0.19 2	0.45 6	1.02 12	10.10 22
1964	0.10 4	0.10 3	0.10 3	0.10 3	0.10 3	0.35 7	0.43 7	0.54 9	1.04 15	3.52 4
1965	0.30 11	0.37 12	0.39 12	0.39 12	0.40 13	0.58 14	0.62 14	0.66 14	0.82 10	5.21 10
1966	0.60 22	0.60 21	0.60 20	0.69 21	0.78 23	0.81 20	0.90 20	1.20 20	2.06 23	11.10 25
1967	0.50 17	0.53 17	0.54 17	0.55 17	0.56 17	0.59 15	0.65 16	0.83 16	1.44 17	5.83 12
1968	0.55 18	0.58 18	0.62 21	0.69 22	0.77 22	1.30 24	1.32 24	1.37 22	1.96 22	10.70 24
1969	0.70 24	0.70 24	0.70 23	0.70 23	0.71 21	0.72 18	0.78 17	0.90 17	1.40 16	9.57 20
1970	0.60 19	0.60 19	0.60 18	0.60 18	0.60 18	0.64 17	0.78 18	0.92 19	1.48 18	10.10 21
1971	0.65 23	0.65 22	0.66 22	0.68 20	0.70 20	0.75 19	0.81 19	0.90 18	1.53 19	6.82 13
1972	0.60 20	0.67 23	0.76 24	1.00 25	1.60 25	1.85 25	1.87 25	1.89 25	2.21 24	7.97 16

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1947	103.0 3	94.3 3	81.9 3	67.0 5	58.4 4	44.4 3	35.2 3	28.5 2	20.1 2	10.6 2
1948	56.0 15	52.7 15	48.3 15	39.8 16	29.3 18	19.2 19	14.3 19	11.3 20	8.0 19	4.5 19
1949	43.0 19	41.0 19	37.7 19	34.3 19	32.9 15	28.3 12	22.4 12	18.0 12	12.6 12	6.7 14
1950	76.0 8	75.0 8	67.9 8	61.7 7	50.9 7	34.4 9	26.8 8	22.0 8	15.5 8	8.6 8
1951	69.0 11	66.7 10	56.4 10	41.5 14	29.3 19	19.4 18	15.4 18	13.2 18	9.1 18	5.0 18
1952	64.0 12	60.0 12	52.7 13	48.1 11	43.1 10	34.0 10	25.7 10	21.6 9	15.0 9	7.8 9
1953	32.0 23	30.7 22	28.3 21	26.2 21	23.6 21	17.4 20	13.4 21	11.0 21	7.7 21	4.2 20
1954	42.0 20	38.7 20	35.6 20	33.1 20	25.9 20	17.2 21	13.6 20	11.3 19	7.8 20	4.2 21
1955	29.0 24	27.7 24	24.4 24	20.3 24	16.3 25	11.2 25	8.6 25	7.5 25	5.6 23	2.9 25
1956	59.0 13	57.7 13	55.3 12	48.3 10	38.0 12	27.3 14	20.0 15	15.8 15	10.8 15	5.7 16
1957	80.0 6	78.7 6	77.1 5	64.8 6	49.0 8	35.0 8	25.8 9	21.0 10	14.5 10	7.6 10
1958	105.0 2	101.0 2	94.9 1	80.1 1	61.2 2	40.0 7	29.3 7	22.9 7	15.7 7	8.8 7
1959	19.0 26	17.3 26	13.9 26	10.9 26	9.6 26	8.5 26	6.9 26	6.0 26	4.4 26	2.6 26
1960	39.0 21	36.3 21	27.9 22	21.1 23	16.9 23	12.9 23	9.8 23	8.0 23	5.6 24	3.3 23
1961	25.0 25	23.3 25	22.1 25	20.2 25	16.9 24	12.5 24	9.5 24	7.5 24	5.4 25	3.0 24
1962	85.0 5	81.0 5	73.7 6	56.2 9	43.7 9	40.6 6	33.7 4	27.3 4	19.0 4	10.9 1
1963	35.0 22	30.0 23	26.1 23	24.5 22	20.1 22	13.8 22	10.3 22	8.4 22	6.0 22	3.5 22
1964	75.0 9	66.0 11	55.9 11	44.1 13	33.2 14	23.7 16	17.8 16	14.1 16	9.6 17	5.3 17
1965	100.0 4	89.3 4	79.7 4	69.3 3	59.7 3	45.9 2	35.6 1	28.8 1	20.2 1	10.5 3
1966	44.0 17	42.0 18	39.4 18	34.5 18	31.2 17	22.2 17	17.0 17	13.8 17	10.2 16	6.1 15
1967	72.0 10	68.7 9	65.0 9	60.5 8	54.2 6	46.1 1	35.5 2	28.4 3	19.4 3	10.5 4
1968	135.0 1	115.0 1	90.6 2	76.1 2	63.2 1	42.1 5	31.7 6	25.5 6	17.7 6	9.8 6
1969	76.0 7	75.3 7	71.1 7	68.5 4	56.6 5	43.8 4	33.6 5	26.9 5	18.8 5	10.1 5
1970	44.0 18	42.3 17	39.7 17	36.9 17	32.4 16	25.8 15	20.7 13	17.2 13	12.1 13	6.8 13
1971	57.0 14	55.0 14	50.4 14	45.3 12	40.7 11	30.8 11	24.0 11	19.4 11	13.7 11	7.6 11
1972	45.0 16	44.3 16	43.6 16	41.1 15	37.5 13	27.4 13	20.7 14	16.5 14	11.8 14	7.0 12

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	0	9497	100.0	9	1.10	336	6038	63.6	18	7.4	347	2055	21.6	27	51	96	189	1.9
1	0.10	170	9497	100.0	10	1.30	480	5702	60.0	19	9.2	187	1708	18.0	28	63	69	93	.9
2	0.20	208	9327	98.2	11	1.60	510	5222	55.0	20	11.0	240	1521	16.0	29	79	17	24	.2
3	0.30	247	9119	96.0	12	2.00	613	4712	49.6	21	14.0	181	1281	13.5	30	98	5	7	.0
4	0.40	375	8872	93.4	13	2.50	505	4099	43.2	22	17.0	224	1100	11.6	31	120	2	2	.0
5	0.50	421	8497	89.5	14	3.10	478	3594	37.8	23	22.0	186	876	9.2	32				
6	0.60	578	8076	85.0	15	3.90	424	3116	32.8	24	27.0	187	690	7.3	33				
7	0.70	783	7498	79.0	16	4.80	315	2692	28.3	25	33.0	177	503	5.3	34				
8	0.90	677	6715	70.7	17	6.00	322	2377	25.0	26	41.0	137	326	3.4					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268500 North Fork of Dry Fork near Dry Fork, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1947								214	8	14	4	13	9	8	8	12	23	7	20	9	5	7	9	15	12	10	12	10	4	3	1				3867.0
1948							60	77	26	3	8	12	62	24	14	9	13	7	7	3	11	6	5	5	4	4	4	2							1652.7
1949					43	31	47	27	10	11	10	8	28	18	16	9	14	6	8	5	10	7	10	12	17	14	4								2442.8
1950									50	16	20	40	63	30	18	4	10	11	14	9	18	14	12	4	5	6	4	12	5						3125.8
1951				10	6	32	30	2	64	19	17	30	9	15	3	6	4	10	39	19	10	7	10	7	4	3	2	3	1	3						1826.7
1952					7	54	62	34	25	11	13	6	3	9	11	8	4	1	26	23	13	7	6	5	8	9	10	10	1						2868.3
1953				51	28	31		11	20	12	19	24	20	11	15	23	16	15	8	8	8	8	8	7	14	8									1547.6
1954					100	33	4	34	12	25	17	6	3	1	12	6	11	22	26	13	5	4	7	6	3	6	8	1								1514.9
1955			90	52	9	13	4	21	15	6	4		1	9	18	21	41	13	7	9	7	6	6	8	2	3									1072.6
1956				25	50	1	46	13	32	7	17	20	26	10	16	13	12	7	7	4	6	5	5	9	10	7	7	4	7							2081.8
1957					52	37	33	42	22	25	5		1		1	11	9	15	31	16	4	6	4	7	7	16	6	4	2	7	2					2763.5
1958										46	29		51	89	17	26	15	5	13	8	1	7	6	13	10	3	3	5	5	4	6	3			3210.8
1959						41	39	45	20	37	7	18	10	20	25	33	10	6	12	30	7	1	2	2												948.0
1960						2	53	44	60	9	12	19	30	38	15	13	6	9	4	6	9	21	7	4	2		3									1206.3
1961				3	25	1	32	79	26	20	12	21	18	17	16	5	14	12	6	10	8	6	14	6	8	6										1104.5
1962										59		31		28	49	22	29	11	18	22	5	3	6	12	13	19	19	7	6	4	2				3973.5
1963				77	30		17	4		5		1	36	14	32	55	23	9	6	11	11	4	4	5	7	10	3	1								1279.7
1964					15	1	86		32	24		8	19	25	30	24	11	9	7	6	8	5	9	13	11	5	8	1	5	3	1				1942.5
1965								15	44	82	30	24	16	1			7	6	4	4	29	16	11	5	9	8	11	13	9	10	7	3	1			3844.1
1966									7	32	42	2	2	17	19	45	42	61	13	16	9	5	12	5	7	6	10	9	4							2235.1
1967								29	33	48	17	3	13	22	16	21	19	14	20	8	9	11	10	2	7	6	8	6	25	12	6				3819.6
1968												26	118	25	8	8	16	30	23	11	19	5	16	8	12	6	4	4	6	6	12	1		2	3598.0
1969										87	21	14	15	25	16	15	22	20	12	18	14	4	9	7	9	6	10	15	4	7	15				3684.9
1970									54	36	17	20	33	12	23	10	22	1	15	24	13	11	12	9	14	14	12	10	3							2480.8
1971										1	64	34	35	7	19	18	13	13	42	20	9	10	7	11	8	13	7	6	14	11	3				2788.9
1972														103	49	49	48	25	12	8	7	2	7	11	10	6	4	13	12							2569.3

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	0.163E 01	0.953E 00	0.958E 00	0.900E 00	0.900E 00	0.955E 00	0.451E 01	0.562E 02	0.311E 02	0.166E 02	0.715E 01	0.431E 01
1948	0.227E 01	0.120E 01	0.739E 00	0.700E 00	0.600E 00	0.600E 00	0.126E 01	0.245E 02	0.130E 02	0.431E 01	0.247E 01	0.222E 01
1949	0.155E 01	0.807E 00	0.600E 00	0.500E 00	0.400E 00	0.503E 00	0.282E 01	0.266E 02	0.291E 02	0.105E 02	0.415E 01	0.255E 01
1950	0.226E 01	0.223E 01	0.176E 01	0.144E 01	0.100E 01	0.958E 00	0.735E 01	0.324E 02	0.340E 02	0.113E 02	0.505E 01	0.271E 01
1951	0.169E 01	0.110E 01	0.816E 00	0.700E 00	0.500E 00	0.390E 00	0.500E 00	0.201E 02	0.164E 02	0.731E 01	0.724E 01	0.289E 01
1952	0.119E 01	0.727E 00	0.623E 00	0.481E 00	0.500E 00	0.600E 00	0.145E 01	0.397E 02	0.271E 02	0.928E 01	0.888E 01	0.303E 01
1953	0.154E 01	0.108E 01	0.729E 00	0.400E 00	0.300E 00	0.200E 00	0.127E 01	0.950E 01	0.221E 02	0.792E 01	0.375E 01	0.197E 01
1954	0.102E 01	0.590E 00	0.448E 00	0.300E 00	0.300E 00	0.300E 00	0.139E 01	0.238E 02	0.964E 01	0.655E 01	0.388E 01	0.105E 01
1955	0.806E 00	0.480E 00	0.219E 00	0.100E 00	0.100E 00	0.100E 00	0.230E 00	0.148E 02	0.691E 01	0.336E 01	0.438E 01	0.350E 01
1956	0.141E 01	0.670E 00	0.590E 00	0.365E 00	0.300E 00	0.258E 00	0.177E 01	0.331E 02	0.202E 02	0.543E 01	0.245E 01	0.141E 01
1957	0.961E 00	0.697E 00	0.600E 00	0.500E 00	0.400E 00	0.300E 00	0.333E 00	0.553E 01	0.490E 02	0.196E 02	0.723E 01	0.587E 01
1958	0.314E 01	0.227E 01	0.191E 01	0.160E 01	0.120E 01	0.100E 01	0.150E 01	0.457E 02	0.321E 02	0.850E 01	0.356E 01	0.240E 01
1959	0.141E 01	0.910E 00	0.787E 00	0.600E 00	0.500E 00	0.400E 00	0.540E 00	0.745E 01	0.831E 01	0.435E 01	0.330E 01	0.247E 01
1960	0.212E 01	0.155E 01	0.781E 00	0.600E 00	0.500E 00	0.603E 00	0.293E 01	0.140E 02	0.107E 02	0.375E 01	0.140E 01	0.597E 00
1961	0.111E 01	0.780E 00	0.535E 00	0.500E 00	0.500E 00	0.400E 00	0.200E 00	0.104E 02	0.127E 02	0.458E 01	0.164E 01	0.284E 01
1962	0.657E 01	0.380E 01	0.190E 01	0.108E 01	0.127E 01	0.135E 01	0.106E 02	0.410E 02	0.389E 02	0.158E 02	0.485E 01	0.301E 01
1963	0.262E 01	0.159E 01	0.123E 01	0.277E 00	0.189E 00	0.100E 00	0.100E 00	0.160E 02	0.101E 02	0.390E 01	0.282E 01	0.283E 01
1964	0.245E 01	0.160E 01	0.890E 00	0.600E 00	0.400E 00	0.303E 00	0.397E 00	0.214E 02	0.200E 02	0.950E 01	0.384E 01	0.210E 01
1965	0.127E 01	0.980E 00	0.800E 00	0.700E 00	0.600E 00	0.552E 00	0.843E 00	0.177E 02	0.581E 02	0.261E 02	0.102E 02	0.854E 01
1966	0.443E 01	0.285E 01	0.212E 01	0.990E 00	0.832E 00	0.871E 00	0.503E 01	0.305E 02	0.132E 02	0.503E 01	0.389E 01	0.326E 01
1967	0.306E 01	0.217E 01	0.137E 01	0.765E 00	0.611E 00	0.558E 00	0.768E 00	0.252E 02	0.492E 02	0.269E 02	0.939E 01	0.513E 01
1968	0.411E 01	0.210E 01	0.151E 01	0.137E 01	0.130E 01	0.130E 01	0.120E 01	0.105E 02	0.622E 02	0.187E 02	0.902E 01	0.509E 01
1969	0.280E 01	0.184E 01	0.127E 01	0.910E 00	0.704E 00	0.732E 00	0.256E 01	0.525E 02	0.332E 02	0.134E 02	0.640E 01	0.398E 01
1970	0.310E 01	0.198E 01	0.134E 01	0.105E 01	0.654E 00	0.626E 00	0.708E 00	0.182E 02	0.249E 02	0.146E 02	0.798E 01	0.604E 01
1971	0.358E 01	0.183E 01	0.116E 01	0.916E 00	0.800E 00	0.700E 00	0.160E 01	0.178E 02	0.386E 02	0.142E 02	0.618E 01	0.418E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.2324E 01	0.1472E 01	0.1027E 01	0.7337E 00	0.6143E 00	0.5865E 00	0.2076E 01	0.2458E 02	0.2683E 02	0.1085E 02	0.5242E 01	0.3359E 01
0.1788E 01	0.6526E 00	0.2581E 00	0.1401E 00	0.1045E 00	0.1145E 00	0.6132E 01	0.1930E 03	0.2510E 03	0.4619E 02	0.6490E 01	0.3072E 01
0.1337E 01	0.8079E 00	0.5080E 00	0.3743E 00	0.3232E 00	0.3384E 00	0.2476E 01	0.1389E 02	0.1584E 02	0.6796E 01	0.2547E 01	0.1753E 01
0.1501E 01	0.1098E 01	0.6899E 00	0.6772E 00	0.7481E 00	0.6981E 00	0.2278E 01	0.8012E 00	0.7178E 00	0.9802E 00	0.4156E 00	0.1146E 01
0.5753E 00	0.5490E 00	0.4944E 00	0.5102E 00	0.5262E 00	0.5771E 00	0.1193E 01	0.5651E 00	0.5905E 00	0.6263E 00	0.4860E 00	0.5217E 00
0.2916E 01	0.1846E 01	0.1289E 01	0.9206E 00	0.7708E 00	0.7359E 00	0.2604E 01	0.3084E 02	0.3367E 02	0.1362E 02	0.6577E 01	0.4215E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268500 North Fork of Dry Fork near Dry Fork, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.952	0.838	*	*	*	*	*	*	*	*	*
*	1.000	0.925	0.714	*	*	*	*	*	*	*	*
*	*	1.000	0.831	0.793	*	*	*	*	*	*	*
*	*	*	1.000	0.932	0.866	*	*	*	*	*	*
*	*	*	*	1.000	0.972	0.595	*	*	*	*	*
*	*	*	*	*	1.000	0.684	0.496	*	*	*	*
*	*	*	*	*	*	1.000	0.528	0.149	*	*	*
*	*	*	*	*	*	*	1.000	0.102	0.105	*	*
*	*	*	*	*	*	*	*	1.000	0.911	0.753	*
*	*	*	*	*	*	*	*	*	1.000	0.828	0.808
*	*	*	*	*	*	*	*	*	*	1.000	0.808
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.280
SEPT-OCT 0.612
SEPT-NOV 0.577

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.115	0.098	0.151	0.135	0.020	-0.038	-0.263	-0.460	0.097	0.005	0.215	0.043

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268900 Brownie Canyon above sinks, near Dry Fork, Utah

LOCATION.--Lat 40°39'34", long 109°45'01", in SW¼NE¼ sec.11, T.2 S., R.19 E. (unsurveyed), Uintah County, Ashley National Forest, on right bank 4.5 miles (7.2 km) upstream from mouth and 8.5 miles (13.7 km) northwest of town of Dry Fork.

DRAINAGE AREA.--8.24 sq mi (21.34 km^2).

GAGE.--Water-stage recorder. Altitude of gage 8,300 ft (2,530 m) from topographic map.

EXTREMES.--Maximum discharge, 395 ft^3/s (11.3 m^3/s) June 10, 1965 (gage height, 2.12 ft or 0.646 m), from rating curve extended above 160 ft^3/s (4.53 m^3/s); no flow for part of Apr. 23, 1961.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1962	0.30	3	0.37	3	0.39	3	0.39	3	0.52	3	2.13	10	2.26	10	2.56	11	4.49	11	8.30	2
1963	0.20	1	0.20	1	0.20	1	0.20	1	0.20	1	0.26	1	0.40	1	0.83	1	1.95	2	15.30	7
1964	0.20	2	0.20	2	0.20	2	0.20	2	0.20	2	0.35	2	0.44	2	1.01	2	2.19	3	7.25	1
1965	0.80	4	0.80	4	0.80	4	0.80	4	0.96	4	1.10	3	1.23	3	1.43	3	1.91	1	10.30	3
1966	1.40	11	1.40	11	1.41	11	1.46	11	1.49	8	1.63	8	1.82	9	2.10	9	3.49	10	16.90	8
1967	1.10	5	1.10	5	1.10	5	1.14	5	1.24	6	1.32	5	1.38	5	1.62	6	2.45	7	11.20	4
1968	1.10	6	1.10	6	1.13	6	1.34	8	1.56	9	1.59	7	1.63	7	1.71	7	2.35	6	20.60	11
1969	1.30	9	1.30	9	1.30	9	1.30	7	1.31	7	1.32	6	1.41	6	1.58	5	2.27	4	17.60	10
1970	1.40	10	1.40	10	1.40	10	1.44	9	1.60	10	1.65	9	1.76	8	1.86	8	2.55	8	17.00	9
1971	1.20	8	1.20	8	1.20	8	1.20	6	1.20	5	1.25	4	1.31	4	1.50	4	2.30	5	13.40	6
1972	1.10	7	1.17	7	1.19	7	1.44	10	2.19	11	2.25	11	2.28	11	2.36	10	2.80	9	12.90	5

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1961	82.0	12	76.7	11	69.1	11	59.8	11	48.2	11	30.9	11	22.2	11	17.7	11	13.1	11	7.2	11
1962	120.0	7	109.0	7	90.7	8	74.4	9	70.0	9	62.6	5	50.4	5	40.7	5	28.6	5	16.6	4
1963	83.0	11	75.0	12	63.0	12	53.3	12	44.1	12	29.3	12	22.0	12	17.5	12	12.3	12	7.1	12
1964	162.0	4	145.0	4	129.0	4	97.9	5	72.4	8	47.3	9	34.4	9	27.4	10	18.7	10	10.4	10
1965	168.0	2	145.0	5	116.0	5	101.0	4	86.8	4	66.1	4	52.1	4	42.8	4	30.3	4	16.1	5
1966	101.0	10	94.0	10	84.0	10	66.3	10	59.6	10	44.5	10	34.0	10	27.8	9	19.8	9	11.6	9
1967	165.0	3	163.0	2	151.0	2	120.0	3	103.0	2	93.0	1	71.5	1	57.0	1	38.8	1	20.7	1
1968	240.0	1	215.0	1	168.0	1	146.0	1	122.0	1	78.5	2	58.6	2	47.3	2	32.8	2	17.6	2
1969	150.0	5	146.0	3	135.0	3	124.0	2	101.0	3	76.5	3	56.9	3	45.3	3	31.4	3	16.8	3
1970	126.0	6	120.0	6	111.0	6	95.5	6	84.3	5	59.4	6	44.2	6	35.3	6	24.5	6	13.5	6
1971	113.0	8	101.0	9	88.7	9	87.3	8	77.7	7	53.6	8	40.8	8	32.9	7	23.0	7	12.7	7
1972	106.0	9	104.0	8	101.0	7	94.3	7	83.8	6	55.7	7	40.9	7	32.2	8	22.6	8	12.7	8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	4383	100.0	9	1.40	385	3792	86.5	18	9.1	134	1244	28.4	27	62	73	281	6.4
1	0.20	74	4383	100.0	10	1.70	346	3407	77.7	19	11.0	141	1110	25.3	28	76	90	208	4.7
2	0.30	40	4309	98.3	11	2.10	381	3061	69.8	20	14.0	141	969	22.1	29	94	76	118	2.6
3	0.40	67	4269	97.4	12	2.60	246	2680	61.1	21	17.0	110	828	18.9	30	120	24	42	.9
4	0.50	19	4202	95.9	13	3.20	294	2434	55.5	22	21.0	94	718	16.4	31	140	15	18	.4
5	0.60	46	4183	95.4	14	3.90	273	2140	48.8	23	26.0	79	624	14.2	32	180	1	3	.0
6	0.70	75	4137	94.4	15	4.80	272	1867	42.6	24	33.0	70	545	12.4	33	220	2	2	.0
7	0.90	88	4062	92.7	16	6.00	179	1595	36.4	25	40.0	92	475	10.8	34				
8	1.10	182	3974	90.7	17	7.40	172	1416	32.3	26	50.0	102	383	8.7					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
CLASS	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34	
1961	1 17 41 60 7 8 48 9 20 8 24 16 14 13 15 13 7 6 4 3 4 6 9 6 5 1	2613.5
1962	59 15 27 19 23 25 28 42 10 10 20 7 4 11 10 10 16 17 7 4 1	6048.7
1963	74 10 19 5 21 1 1 1 10 23 39 42 34 8 7 14 9 9 6 3 5 8 5 8 1 2	2605.4
1964	29 50 15 12 14 1 11 25 38 23 38 24 13 8 10 6 4 6 3 10 5 9 3 1 4 3 1	3824.5
1965	48 42 52 22 29 19 7 6 3 7 8 23 13 13 12 7 18 8 5 15 5 1 2	5884.8
1966	47 15 35 24 40 24 21 25 18 20 24 6 8 11 7 6 10 14 5 4 1	4251.7
1967	48 58 17 18 23 24 17 21 10 7 4 11 16 8 9 4 6 3 9 11 13 18 5 5	7545.8
1968	57 73 39 8 12 14 16 4 14 15 13 14 17 18 8 5 4 4 1 7 8 9 3 1 2	6431.9
1969	47 46 24 42 15 8 7 32 22 8 14 9 13 11 6 4 4 9 11 6 5 15 3 4	6146.2
1970	48 69 44 9 14 31 12 13 25 9 16 7 11 6 5 2 13 3 10 11 5 2	4941.8
1971	64 37 15 34 18 15 22 23 18 14 12 11 14 15 7 7 3 4 9 5 12 6	4619.5
1972	1102 37 42 47 30 11 9 8 13 7 6 8 9 3 2 5 4 12 10	4654.9

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09268900 Brownie Canyon above sinks, near Dry Fork, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	0.224E 01	0.149E 01	0.129E 01	0.600E 00	0.700E 00	0.752E 00	0.523E 00	0.296E 02	0.301E 02	0.588E 01	0.404E 01	0.848E 01
1962	0.999E 01	0.638E 01	0.348E 01	0.216E 01	0.227E 01	0.235E 01	0.139E 02	0.500E 02	0.696E 02	0.254E 02	0.793E 01	0.494E 01
1963	0.467E 01	0.348E 01	0.215E 01	0.694E 00	0.307E 00	0.200E 00	0.200E 00	0.370E 02	0.194E 02	0.781E 01	0.431E 01	0.479E 01
1964	0.521E 01	0.369E 01	0.282E 01	0.632E 00	0.300E 00	0.400E 00	0.963E 00	0.484E 02	0.390E 02	0.120E 02	0.699E 01	0.449E 01
1965	0.311E 01	0.254E 01	0.200E 01	0.150E 01	0.100E 01	0.118E 01	0.214E 01	0.254E 02	0.636E 02	0.378E 02	0.177E 02	0.153E 02
1966	0.844E 01	0.361E 01	0.291E 01	0.173E 01	0.166E 01	0.208E 01	0.802E 01	0.546E 02	0.289E 02	0.107E 02	0.740E 01	0.468E 01
1967	0.478E 01	0.334E 01	0.235E 01	0.150E 01	0.135E 01	0.128E 01	0.163E 01	0.567E 02	0.926E 02	0.535E 02	0.178E 02	0.809E 01
1968	0.466E 01	0.254E 01	0.194E 01	0.173E 01	0.160E 01	0.158E 01	0.208E 01	0.201E 02	0.120E 03	0.282E 02	0.185E 02	0.902E 01
1969	0.458E 01	0.248E 01	0.212E 01	0.157E 01	0.130E 01	0.134E 01	0.367E 01	0.946E 02	0.556E 02	0.177E 02	0.973E 01	0.578E 01
1970	0.464E 01	0.311E 01	0.216E 01	0.197E 01	0.165E 01	0.164E 01	0.168E 01	0.460E 02	0.613E 02	0.203E 02	0.964E 01	0.791E 01
1971	0.485E 01	0.275E 01	0.208E 01	0.142E 01	0.131E 01	0.120E 01	0.237E 01	0.281E 02	0.719E 02	0.200E 02	0.101E 02	0.572E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5197E 01	0.3223E 01	0.2299E 01	0.1410E 01	0.1222E 01	0.1273E 01	0.3380E 01	0.4513E 02	0.6109E 02	0.2177E 02	0.1038E 02	0.7196E 01
0.4815E 01	0.1510E 01	0.3415E 00	0.2401E 00	0.3650E 00	0.4256E 00	0.1666E 02	0.4467E 03	0.9403E 03	0.2005E 03	0.2796E 02	0.1001E 02
0.2194E 01	0.1229E 01	0.5844E 00	0.5386E 00	0.6042E 00	0.6524E 00	0.4081E 01	0.2114E 02	0.3066E 02	0.1416E 02	0.5287E 01	0.3164E 01
0.1253E 01	0.1475E 01	0.5499E 00	-0.5436E 00	-0.1882E 00	-0.7253E-01	0.2120E 01	0.1211E 01	0.4324E 00	0.1177E 01	0.6487E 00	0.1804E 01
0.4222E 00	0.3812E 00	0.2542E 00	0.3821E 00	0.4944E 00	0.5126E 00	0.1208E 01	0.4683E 00	0.5020E 00	0.6505E 00	0.5094E 00	0.4398E 00
0.3177E 01	0.1971E 01	0.1405E 01	0.8618E 00	0.7471E 00	0.7781E 00	0.2066E 01	0.2759E 02	0.3735E 02	0.1331E 02	0.6346E 01	0.4399E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.881	0.920	*	*	*	*	*	*	*	*	*
*	1.000	0.924	0.440	*	*	*	*	*	*	*	*
*	*	1.000	0.435	0.436	*	*	*	*	*	*	*
*	*	*	1.000	0.949	0.924	*	*	*	*	*	*
*	*	*	*	1.000	0.973	0.747	*	*	*	*	*
*	*	*	*	*	1.000	0.801	0.213	*	*	*	*
*	*	*	*	*	*	1.000	0.278	0.033	*	*	*
*	*	*	*	*	*	*	1.000	-0.245	-0.006	*	*
*	*	*	*	*	*	*	*	1.000	0.787	0.912	*
*	*	*	*	*	*	*	*	*	1.000	0.871	0.526
*	*	*	*	*	*	*	*	*	*	1.000	0.657
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.054
SEPT-OCT 0.630
SEPT-NOV 0.134

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.555	-0.345	-0.609	-0.170	-0.098	-0.185	-0.396	-0.448	-0.042	-0.254	0.149	-0.390

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09269000 East Fork of Dry Fork near Dry Fork, Utah

LOCATION.--Lat 40°39'00", long 109°45'40", in sec.14, T.2 S., R.19 E. (unsurveyed), on right bank 3.5 miles (5.6 km) upstream from mouth and 8 miles (13 km) northwest of town of Dry Fork.

DRAINAGE AREA.--12 sq mi (31 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 8,150 ft (2,484 m) by barometer.

EXTREMES.--Maximum discharge, 240 ft^3/s (6.80 m^3/s) June 18, 1949 (gage height, 4.27 ft or 1.301 m), from rating curve extended above 100 ft^3/s (2.83 m^3/s) on basis of slope-area measurement of peak flow; no flow at times.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1948	0.50	16	0.50	16	0.50	16	0.50	16	0.50	16	0.50	15	0.53	15	0.56	14	0.80	11	15.40	16
1949	0.20	14	0.20	14	0.20	14	0.20	14	0.20	14	0.23	13	0.25	13	0.29	12	0.57	9	6.29	7
1950	0.50	15	0.50	15	0.50	15	0.50	15	0.50	15	0.50	16	0.53	14	0.59	15	1.15	14	9.77	12
1951	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.12	1	11.50	13
1952	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.41	6	6.50	8
1953	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.12	2	11.70	14
1954	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.46	7	4.53	3
1955	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.03	6	0.80	12	5.86	6
1956	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.07	9	0.50	8	4.79	4
1957	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	5	0.28	3	7.70	9
1958	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.14	12	0.43	13	1.20	15	9.26	11
1959	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	8	0.13	10	0.37	5	8.92	10
1960	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	9	0.04	7	0.73	10	3.30	1
1961	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.01	10	0.07	8	0.36	4	4.50	2
1962	0.00	12	0.00	12	0.00	12	0.00	12	0.00	12	0.40	14	0.55	16	0.78	16	2.01	16	5.49	5
1963	0.00	13	0.00	13	0.00	13	0.00	13	0.00	13	0.00	12	0.04	11	0.25	11	0.87	13	13.90	15

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1947	195.0	1	171.0	1	136.0	1	93.5	4	87.4	2	72.9	1	55.6	1	43.4	1	30.1	1	16.4	1
1948	95.0	10	91.3	10	86.3	10	73.9	8	56.0	9	33.5	9	23.3	10	17.8	10	12.0	10	6.4	9
1949	116.0	7	97.3	9	91.7	8	82.1	7	68.5	7	48.3	5	35.0	5	27.1	5	18.3	5	9.5	5
1950	141.0	2	132.0	2	110.0	5	99.7	3	88.8	1	61.4	2	43.8	3	34.1	4	22.8	4	12.0	3
1951	114.0	8	107.0	7	90.7	9	60.3	10	50.9	10	33.1	10	23.7	9	18.9	9	12.6	9	6.4	10
1952	130.0	5	123.0	5	116.0	4	103.0	1	73.5	4	56.4	4	42.7	4	34.3	3	23.1	3	11.8	4
1953	76.0	12	72.0	13	63.7	13	51.4	13	38.5	13	23.1	14	16.6	13	13.0	13	8.6	15	4.4	16
1954	89.0	11	81.3	11	68.4	11	54.3	11	40.2	11	25.8	11	20.2	11	16.0	11	10.9	11	5.7	11
1955	46.0	16	42.3	16	38.0	16	34.3	15	28.9	16	21.3	16	15.4	16	12.9	14	9.1	13	4.9	13
1956	101.0	9	97.7	8	95.7	7	86.5	6	65.3	8	41.1	8	29.2	8	22.6	8	15.1	8	7.8	8
1957	136.0	3	132.0	3	118.0	3	86.9	5	70.6	5	45.6	7	32.6	7	25.9	7	17.3	7	8.8	7
1958	132.0	4	126.0	4	119.0	2	101.0	2	79.1	3	47.9	6	34.0	6	26.1	6	17.4	6	9.3	6
1959	22.0	17	20.0	17	17.9	17	15.8	17	13.6	17	12.1	17	9.9	17	8.4	17	5.9	17	3.1	17
1960	66.0	15	56.7	15	42.3	15	34.3	16	33.1	15	22.7	15	16.2	15	12.7	16	8.6	16	4.7	14
1961	75.0	13	72.7	12	66.6	12	52.7	12	39.2	12	23.2	13	16.3	14	12.8	15	9.0	14	4.7	15
1962	126.0	6	116.0	6	99.0	6	73.4	9	68.7	6	61.4	3	48.6	2	39.0	2	26.9	2	14.5	2
1963	72.0	14	61.7	14	55.3	14	47.2	14	37.1	14	24.1	12	17.4	12	13.7	12	9.5	12	5.2	12

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	1598	6209	100.0	9	1.20	183	3330	53.6	18	8.8	116	1089	17.5	27	66	82	195	3.1
1	0.10	84	4611	74.3	10	1.50	233	3147	50.7	19	11.0	110	973	15.7	28	82	67	113	1.8
2	0.20	163	4527	72.9	11	1.80	441	2914	46.9	20	14.0	88	863	13.9	29	100	36	46	.7
3	0.30	135	4364	70.3	12	2.30	339	2473	39.8	21	17.0	93	775	12.5	30	130	8	10	.1
4	0.40	64	4229	68.1	13	2.90	269	2134	34.4	22	21.0	105	682	11.0	31	160	2	2	.0
5	0.50	278	4165	67.1	14	3.60	243	1865	30.0	23	27.0	111	577	9.3	32				
6	0.60	178	3887	62.6	15	4.50	190	1622	26.1	24	34.0	102	466	7.5	33				
7	0.70	159	3709	59.7	16	5.60	195	1432	23.1	25	42.0	97	364	5.9	34				
8	0.90	220	3550	57.2	17	7.00	148	1237	19.9	26	53.0	72	267	4.3					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09269000 East Fork of Dry Fork near Dry Fork, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1947												77	50	54	35	18	23	14	5	7	4	6	2	7	9	11	14	12	7	6	2	2			5969.0
1948				3	3	3	63	63	54	21	14	39	19	10	5	10	5	5	3	2	4	3	5	5	4	3	5	3	6	6						2339.4
1949				43	47	31	10	11	25	3	25	20	15	18	11	8	10	12	6	4	3	3	7	9	8	8	6	3	7	11	1					3459.9
1950							59	31	32	21	27	12	32	33	7	11	14	10	5	1	3	3	7	5	10	5	4	5	9	13	4	2				4377.8
1951		189			9		8	9	15			1	1	7	10	29	17	10	7	3	4	4	4	5	12	4	10	1	1	3	2				2326.4
1952		137	12	11	6	7	5	3	1		5	11	10	12	11	4	8	11	12	9	12	6	7	9	12	13	8	6	5	3	9	1			4309.5
1953		174	13	20	14	6	2	2	4	3	3	15	10	13	21	12	7	5	4	4	2	3	5	4	5	7	4	3	3						1592.4
1954		146	16				8			4	8	14	38	17	9	7	8	5	18	16	13	5	6	5	6	5	5	2	3	1					2078.1
1955		126	15	5			5		1	1	2	6	29	38	26	19	14	15	6	9	5	3	8	16	7	7	2								1804.6
1956		114	2	18		12	1	15	5	16	30	13	17	25	7	11	6	9	5	5	5	8	3	8	5	3	4	3	7	8	1				2850.6
1957		153	5	2	10	1	6	1	5	32	9	5	8	2	1	7	16	28	11	8	6	4	4	3	3	3	10	12	3	1	4	2			3215.3
1958		79	10	14			20			12		36	50	21	20	19	6	7	7	6	8	8	4	7	2	3	3	3	6	7	6	1			3406.0
1959		133	1	6			14	39	5	12	5	8	4	7	19	20	19	10	12	17	15	9	9	1											1139.2
1960		115			8	2	11	2	3	31	20	6	66	22	9	5	3	4	10	5	4	5	5	7	11	7	4		1						1710.0
1961		120	11	21	15	2	17	2	9	15	19	18	9	12	16	9	8	15	7	3	5	3	3	4	5	7	3	3	4						1704.6
1962				20			49			32		10	31	17	22	21	18	18	13	13	7	11	7	10	7	12	11	12	14	7	3				5281.7
1963		112	2		23					17	16	19	25	35	21	16	13	8	8	6	7	6	3	5	7	6	7	2	1						1892.8

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	0.167E+01	0.867E+00	0.639E+00	0.600E+00	0.500E+00	0.500E+00	0.593E+00	0.375E+02	0.264E+02	0.425E+01	0.136E+01	0.153E+01
1949	0.145E+01	0.737E+00	0.400E+00	0.300E+00	0.200E+00	0.252E+00	0.116E+01	0.292E+02	0.609E+02	0.136E+02	0.329E+01	0.219E+01
1950	0.229E+01	0.217E+01	0.765E+00	0.600E+00	0.500E+00	0.500E+00	0.312E+01	0.380E+02	0.727E+02	0.190E+02	0.301E+01	0.118E+01
1951	0.623E+00	0.900E-01	0.0	0.0	0.0	0.0	0.0	0.209E+02	0.368E+02	0.991E+01	0.461E+01	0.341E+01
1952	0.222E+01	0.200E+00	0.0	0.0	0.0	0.0	0.233E+00	0.463E+02	0.640E+02	0.159E+02	0.302E+01	0.331E+01
1953	0.503E+00	0.167E+00	0.0	0.0	0.0	0.0	0.0	0.263E+01	0.380E+02	0.608E+01	0.334E+01	0.195E+01
1954	0.180E+01	0.873E+00	0.0	0.0	0.0	0.0	0.533E-01	0.344E+02	0.136E+02	0.101E+02	0.405E+01	0.263E+01
1955	0.271E+01	0.183E+01	0.145E+00	0.0	0.0	0.0	0.167E-01	0.226E+02	0.180E+02	0.463E+01	0.505E+01	0.396E+01
1956	0.198E+01	0.637E+00	0.326E+00	0.0	0.0	0.0	0.393E+00	0.487E+02	0.310E+02	0.616E+01	0.254E+01	0.125E+01
1957	0.104E+01	0.593E+00	0.226E-01	0.0	0.0	0.0	0.0	0.181E+01	0.687E+02	0.220E+02	0.662E+01	0.538E+01
1958	0.328E+01	0.204E+01	0.132E+01	0.394E+00	0.0	0.0	0.333E-01	0.485E+02	0.433E+02	0.802E+01	0.252E+01	0.193E+01
1959	0.114E+01	0.493E+00	0.519E+00	0.0	0.0	0.0	0.0	0.728E+01	0.134E+02	0.701E+01	0.453E+01	0.290E+01
1960	0.225E+01	0.192E+01	0.197E+00	0.0	0.0	0.0	0.163E+01	0.230E+02	0.203E+02	0.441E+01	0.107E+01	0.112E+01
1961	0.131E+01	0.527E+00	0.232E+00	0.323E-01	0.0	0.0	0.0	0.189E+02	0.249E+02	0.362E+01	0.185E+01	0.462E+01
1962	0.584E+01	0.284E+01	0.150E+01	0.661E+00	0.500E+00	0.484E+00	0.977E+01	0.495E+02	0.682E+02	0.240E+02	0.659E+01	0.328E+01
1963	0.277E+01	0.130E+01	0.897E+00	0.116E+00	0.0	0.0	0.0	0.294E+02	0.165E+02	0.476E+01	0.261E+01	0.333E+01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2055E+01	0.1080E+01	0.4351E+00	0.1690E+00	0.1062E+00	0.1085E+00	0.1063E+01	0.2867E+02	0.3856E+02	0.1021E+02	0.3878E+01	0.2748E+01
0.1624E+01	0.6927E+00	0.2272E+00	0.6400E-01	0.4062E-01	0.4061E-01	0.6109E+01	0.2547E+03	0.4676E+03	0.4467E+02	0.4574E+01	0.1582E+01
0.1274E+01	0.8323E+00	0.4766E+00	0.2530E+00	0.2016E+00	0.2015E+00	0.2472E+01	0.1596E+02	0.2162E+02	0.6684E+01	0.2139E+01	0.1258E+01
0.1749E+01	0.7402E+00	0.1120E+01	0.1162E+01	0.1578E+01	0.1495E+01	0.3315E+01	-0.3119E+00	0.4475E+00	0.9982E+00	0.9666E+00	0.4883E+00
0.6200E+00	0.7708E+00	0.1095E+01	0.1497E+01	0.1897E+01	0.1858E+01	0.2326E+01	0.5566E+00	0.5608E+00	0.6545E+00	0.5515E+00	0.4577E+00
0.2307E+01	0.1212E+01	0.4884E+00	0.1896E+00	0.1193E+00	0.1218E+00	0.1193E+01	0.3219E+02	0.4328E+02	0.1146E+02	0.4353E+01	0.3085E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.844	0.775	*	*	*	*	*	*	*	*	*
*	1.000	0.731	0.624	*	*	*	*	*	*	*	*
*	*	1.000	0.778	0.548	*	*	*	*	*	*	*
*	*	*	1.000	0.920	0.918	*	*	*	*	*	*
*	*	*	*	1.000	0.998	0.691	*	*	*	*	*
*	*	*	*	*	1.000	0.673	0.401	*	*	*	*
*	*	*	*	*	*	1.000	0.409	0.482	*	*	*
*	*	*	*	*	*	*	1.000	0.230	0.177	*	*
*	*	*	*	*	*	*	*	1.000	0.872	0.500	*
*	*	*	*	*	*	*	*	*	1.000	0.666	0.244
*	*	*	*	*	*	*	*	*	*	1.000	0.542
											1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.066
SEPT-OCT 0.687
SEPT-NOV 0.514

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.137	-0.228	0.188	0.112	0.124	0.211	-0.157	-0.654	0.072	-0.272	-0.198	-0.421

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09270000 Dry Fork below springs, near Dry Fork, Utah

LOCATION.--Lat 40°34'10", long 109°41'50", in NW¼SE¼ sec.8, T.3 S., R.20 E., on right bank 1.5 miles (2.4 km) northwest of town of Dry Fork and 6 miles (10 km) upstream from mouth at mile 2 (3 km).

DRAINAGE AREA.--102 sq mi (264 km^2).

GAGE.--Water-stage recorder since April 1941. Datum of gage is 6,706.95 ft (2,044.278 m) above mean sea level (levels by Utah Water and Power Board). May to July 1904 staff gage at different datum.

EXTREMES.--Maximum discharge, 974 ft^3/s (27.6 m^3/s) June 11, 1965, from rating curve extended above 700 ft^3/s (19.8 m^3/s); maximum gage height, 5.75 ft (1.753 m) May 27, 1958; no flow for extended periods each year.

REMARKS.--Small diversions for irrigation above station. Mosby Canal has diverted water above station for irrigation in Deep Creek basin since 1942 or 1943.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1942	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	5.17	18	62.40	16
1943	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	1	42.70	12
1944	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	2	21.80	7
1945	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	3	66.80	18
1956	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	5	0.00	4	11.50	3
1957	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	6	0.00	5	22.50	8
1958	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00	6	37.90	11
1959	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00	7	36.00	10
1960	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00	8	5.86	1
1961	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00	9	10.90	2
1962	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00	11	1.54	17	14.10	5
1963	0.00	12	0.00	12	0.00	12	0.00	12	0.00	12	0.00	12	0.00	12	0.00	12	0.00	10	47.20	13
1964	0.00	13	0.00	13	0.00	13	0.00	13	0.00	13	0.00	13	0.00	13	0.00	13	0.00	11	13.50	4
1965	0.00	14	0.00	14	0.00	14	0.00	14	0.00	14	0.00	14	0.00	14	0.00	14	0.00	12	25.70	9
1966	0.00	15	0.00	15	0.00	15	0.00	15	0.00	15	0.00	15	0.00	15	0.00	15	0.25	16	56.60	15
1967	0.00	16	0.00	16	0.00	16	0.00	16	0.00	16	0.00	16	0.00	16	0.00	16	0.00	13	18.20	6
1968	0.00	17	0.00	17	0.00	17	0.00	17	0.00	17	0.00	17	0.00	17	0.00	17	0.00	14	63.30	17
1969	0.00	18	0.00	18	0.00	18	0.00	18	0.00	18	0.00	18	0.00	18	0.00	18	0.00	15	51.80	14

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	562.0	9	544.0	9	517.0	8	487.0	7	431.0	4	340.0	3	239.0	3	182.0	3	119.0	3	59.8	3
1942	634.0	7	621.0	6	583.0	6	550.0	3	423.0	6	251.0	7	173.0	8	130.0	8	85.2	8	45.3	7
1943	340.0	13	319.0	13	241.0	15	165.0	17	128.0	17	117.0	14	88.5	14	66.4	14	43.5	14	21.8	14
1944	646.0	6	610.0	7	572.0	7	553.0	2	524.0	1	378.0	1	271.0	1	203.0	1	133.0	1	66.6	1
1945	228.0	18	219.0	18	200.0	17	187.0	16	179.0	13	141.0	12	111.0	11	85.4	11	56.0	11	28.1	11
1955	183.0	19	162.0	19	139.0	19	129.0	18	103.0	19	70.2	18	46.8	18	35.1	18	23.0	18	11.5	18
1956	467.0	11	455.0	11	409.0	11	346.0	11	242.0	12	137.0	13	91.3	13	68.5	13	44.9	13	22.4	13
1957	651.0	5	631.0	5	597.0	5	476.0	8	377.0	8	224.0	9	152.0	9	115.0	9	75.6	9	37.9	9
1958	773.0	3	757.0	2	657.0	2	530.0	4	379.0	7	216.0	10	146.0	10	109.0	10	71.8	10	36.0	10
1959	106.0	20	98.3	20	79.7	20	65.9	20	49.2	20	35.7	20	23.8	20	17.9	20	11.7	20	5.9	20
1960	281.0	17	242.0	17	166.0	18	111.0	19	110.0	18	66.5	19	44.3	19	33.3	19	21.8	19	10.9	19
1961	288.0	16	268.0	16	221.0	16	188.0	15	142.0	16	79.2	17	52.8	17	39.6	17	26.7	17	13.4	17
1962	424.0	12	399.0	12	360.0	12	342.0	12	298.0	10	244.0	8	187.0	6	144.0	6	94.2	6	48.0	6
1963	304.0	15	294.0	15	269.0	13	212.0	13	145.0	15	82.3	16	54.9	16	41.1	16	27.0	16	13.5	16
1964	605.0	8	552.0	8	501.0	10	354.0	10	254.0	11	155.0	11	104.0	12	78.2	12	51.3	12	25.6	12
1965	802.0	2	717.0	3	607.0	4	500.0	6	430.0	5	298.0	5	218.0	4	170.0	4	113.0	4	56.5	4
1966	329.0	14	305.0	14	249.0	14	198.0	14	176.0	14	109.0	15	74.0	15	55.5	15	36.4	15	18.3	15
1967	746.0	4	691.0	4	621.0	3	518.0	5	451.0	3	369.0	2	257.0	2	193.0	2	127.0	2	63.5	2
1968	879.0	1	826.0	1	701.0	1	607.0	1	508.0	2	299.0	4	209.0	5	157.0	5	103.0	5	51.6	5
1969	546.0	10	537.0	10	503.0	9	467.0	9	347.0	9	251.0	6	177.0	7	133.0	7	87.2	7	43.7	8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS					DAYS					DAYS					DAYS		
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	5501	7305	100.0	9	0.40	7	1789	24.5	18	9.7	64	1593	21.8	27	210	131	422	5.7
1	0.01	1	1804	24.7	10	0.60	8	1782	24.4	19	14.0	85	1529	20.9	28	300	135	291	3.9
2	0.02	1	1803	24.7	11	0.90	7	1774	24.3	20	19.0	112	1444	19.8	29	430	112	156	2.1
3	0.04	0	1802	24.7	12	1.20	8	1767	24.2	21	27.0	159	1332	18.2	30	600	43	44	.6
4	0.05	3	1802	24.7	13	1.70	23	1759	24.1	22	38.0	163	1173	16.1	31	850	1	1	.0
5	0.07	1	1799	24.6	14	2.40	14	1736	23.8	23	54.0	171	1010	13.8	32				
6	0.10	6	1798	24.6	15	3.50	32	1722	23.6	24	76.0	178	839	11.5	33				
7	0.20	1	1792	24.5	16	4.90	40	1690	23.1	25	110.0	115	661	9.0	34				
8	0.30	2	1791	24.5	17	6.90	57	1650	22.6	26	150.0	124	546	7.5					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09270000 Dry Fork below springs, near Dry Fork, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1941	239									5	3	3	7	8	11	7	4	6	4	4	9	5	3	3	26	18									21826.0
1942	233								2	2		2	4	7	4	10	15	23	9	11	6	7	3	7	3	12	5									16537.0
1943	273									1			1	3	3	3	5	7	12	12	27	5	4	6	3										7968.0
1944	269					1			1		1	1	1	1	3	2	5	6	5	9	8	8	5	11	23	5									24383.5
1945	251					1		1		1	1	1		2	3	3	1	5	9	7	6	15	17	13	22	6									10253.6
1955	303									1			1		1	1	1	1	2	2	7	8	14	12	7	4									4212.5
1956	304					1				1				1	2	4	2	2	5	12	3	7	2	2	7	8	3								8214.7
1957	259							1	2	3	1	10	8	6	5	7	7	5	3	6	7	3	4	12	7	5	4								13840.1
1958	290							1		2	1	1	1	2	1	3	2	8	11	8	5	3	3	4	10	3	6								13137.1
1959	307					1		1		1			1	2	1	1	13	12	10	11	4														2144.4
1960	316								1			1		1	1	1	2	4	8	9	11	6	3	2												3990.0
1961	304							1	1		1	1	1	1	1	2	8	3	5	7	4	5	4	10	5										4889.7
1962	232							1	1		2	1	2	3	2	6	4	6	10	4	6	14	8	14	12	18	19								17508.0
1963	312					1				1			1	1	1	1	1	1	2	8	11	3	2	7	5	5	2								4937.8
1964	295						1					1		1	1	2	2	1	2	6	5	4	5	15	4	6	6	2	6	1					9380.5
1965	230											1						13	10	8	14	10	19	14	2	4	9	20	8	3					20610.1
1966	286								1		2		2	2	2	2	2	4	7	2	5	8	10	3	11	8	7	1							6695.6
1967	268				1				1			1				2	2	2	2	3	11	11	4	4	2	4	14	8	16	9					23168.2
1968	258	1	1		2	1	1		1				2			1	6	1	2	12	14	11	8	6	3	4	6	7	7	10	1				18891.9
1969	272											1	1	1	1	3	1	1	3	3	3	4	6	6	7	9	15	9	8	11					15966.4

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.296E 03	0.348E 03	0.611E 02	0.829E 01	0.230E 01
1942	0.263E 02	0.417E 01	0.0	0.0	0.0	0.0	0.0	0.139E 03	0.325E 03	0.482E 02	0.113E 01	0.0
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.897E 01	0.130E 03	0.101E 03	0.202E 02	0.0	0.0
1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.147E 03	0.508E 03	0.137E 03	0.108E 02	0.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.826E 02	0.173E 03	0.669E 02	0.134E 02	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.144E 03	0.402E 02	0.674E 01	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.844E 02	0.510E 02	0.218E 01	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.163E 03	0.103E 03	0.200E 01	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.361E 03	0.846E 02	0.733E 01	0.559E 01
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.219E 03	0.196E 03	0.146E 02	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.169E 02	0.491E 02	0.477E 01	0.323E-02	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.679E 02	0.628E 02	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.547E 02	0.992E 02	0.259E 01	0.0	0.463E 01
1962	0.859E 01	0.0	0.0	0.0	0.0	0.0	0.127E 02	0.173E 03	0.295E 03	0.822E 02	0.302E 01	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.110E 03	0.505E 02	0.355E-01	0.323E-02	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.157E 03	0.128E 03	0.219E 02	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.372E 02	0.430E 03	0.151E 03	0.437E 02	0.167E 02
1966	0.114E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.160E 03	0.525E 02	0.362E 01	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.177E 03	0.435E 03	0.134E 03	0.157E 02	0.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.126E 02	0.508E 03	0.808E 02	0.240E 02	0.243E-01
1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.296E 03	0.181E 03	0.434E 02	0.242E 00	0.0

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
M	0.1714E 01	0.1984E 00	0.0	0.0	0.0	0.0	0.1033E 01	0.1270E 03	0.2143E 03	0.4609E 02	0.6078E 01	0.1393E 01
V	0.3514E 02	0.8267E 00	0.0	0.0	0.0	0.0	0.1101E 02	0.6820E 04	0.2679E 05	0.2450E 04	0.1194E 03	0.1480E 02
D	0.5928E 01	0.9092E 00	0.0	0.0	0.0	0.0	0.3318E 01	0.8258E 02	0.1637E 03	0.4950E 02	0.1093E 02	0.3848E 01
S	0.3984E 01	0.4583E 01	*****	*****	*****	*****	0.3148E 01	0.4304E 00	0.6024E 00	0.9251E 00	0.2446E 01	0.3539E 01
C	0.3460E 01	0.4583E 01	*****	*****	*****	*****	0.3211E 01	0.6502E 00	0.7637E 00	0.1074E 01	0.1798E 01	0.2763E 01
P	0.4307E 00	0.4988E-01	0.0	0.0	0.0	0.0	0.259AE 00	0.3193E 02	0.5387E 02	0.1159E 02	0.1528E 01	0.3501E 00

09270000 Dry Fork below springs, near Dry Fork, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.949	*	*	*	*	*	*	*	*	*	*
*	1.000	*	*	*	*	*	*	*	*	*	*
*	*	1.000	*	*	*	*	*	*	*	*	*
*	*	*	1.000	*	*	*	*	*	*	*	*
*	*	*	*	1.000	*	*	*	*	*	*	*
*	*	*	*	*	1.000	*	*	*	*	*	*
*	*	*	*	*	*	1.000	0.112	0.002	*	*	*
*	*	*	*	*	*	*	1.000	-0.010	-0.044	*	*
*	*	*	*	*	*	*	*	1.000	0.906	0.702	*
*	*	*	*	*	*	*	*	*	1.000	0.794	0.474
*	*	*	*	*	*	*	*	*	*	1.000	0.729
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.030
SEPT-OCT 0.147
SEPT-NOV 0.050

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.093	-0.053	*	*	*	*	-0.108	-0.492	-0.010	-0.107	-0.095	-0.134

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09270500 Dry Fork at mouth, near Dry Fork, Utah

LOCATION.--Lat 40°31'35", long 109°36'18", in SE¼NE¼SW¼ sec.30, T.3 S., R.21 E., Uintah County, on left bank 900 ft (274 m) upstream from mouth and 4 miles (6 km) southeast of town of Dry Fork.

DRAINAGE AREA.--116 sq mi (300 km^2).

GAGE.--Water-stage recorder. Datum of gage is 5,842.9 ft (1,780.92 m) above mean sea level adjustment of 1927.

EXTREMES.--Maximum discharge, 1,210 ft^3/s (34.3 m^3/s) Aug. 25, 1955, from rating curve extended above 450 ft^3/s (12.7 m^3/s) on basis of comparison with Ashley Creek at Sign of the Maine; maximum gage height, 6.00 ft (1.829 m) June 12, 1965; no flow for several periods in 1956-61, 1963, 1966.

REMARKS.--Several diversions above station for irrigation, including Mosby Canal (see sta 09267500) which began diverting water for irrigation in Deep Creek basin during 1942 or 1943.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1955	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.17	1	0.26	1	0.68	1
1956	0.10	10	0.20	11	0.37	13	0.49	13	0.78	14	0.98	12	1.32	11	1.35	11	1.51	10	8.34	4
1957	0.00	2	0.00	2	0.01	7	0.06	6	0.17	7	0.25	6	0.35	5	0.41	4	0.45	2	18.20	8
1958	0.00	3	0.00	3	0.03	8	0.05	5	0.14	6	0.28	7	2.65	17	3.27	17	3.16	15	34.40	13
1959	0.00	4	0.00	4	0.00	2	0.12	7	0.34	8	0.40	8	0.71	6	0.91	5	1.28	5	32.30	12
1960	0.00	5	0.00	5	0.00	3	0.00	2	0.01	4	0.16	4	0.75	7	0.95	6	1.29	6	2.33	2
1961	0.00	6	0.00	6	0.00	4	0.00	3	0.00	2	0.02	2	0.03	2	0.35	2	0.80	4	6.35	3
1962	0.00	7	0.00	7	0.00	5	0.00	4	0.00	3	0.09	3	0.19	3	1.00	7	1.80	11	8.78	5
1963	0.30	13	0.30	13	0.30	12	0.30	10	0.37	9	0.56	9	0.88	8	1.09	9	1.40	8	42.20	15
1964	0.00	8	0.00	8	0.01	6	0.12	8	0.14	5	0.19	5	0.25	4	0.40	3	0.68	3	9.32	6
1965	0.10	9	0.10	9	0.10	9	0.15	9	0.49	10	0.86	11	0.94	10	1.08	8	1.40	9	20.60	10
1966	1.40	18	1.40	18	1.54	18	1.70	18	1.98	18	2.15	15	2.30	15	2.75	15	4.05	18	52.80	17
1967	0.30	14	0.38	14	0.48	14	0.55	14	0.61	12	0.74	10	0.89	9	1.11	10	1.30	7	14.90	7
1968	0.20	12	0.20	12	0.22	11	0.43	12	0.58	11	2.16	16	2.25	14	2.29	13	2.47	13	53.80	18
1969	1.00	17	1.07	17	1.14	16	1.26	16	1.33	15	1.65	13	1.85	12	2.04	12	2.32	12	48.10	16
1970	0.68	16	0.71	15	1.39	17	1.46	17	1.57	17	1.94	14	2.23	13	2.53	14	2.71	14	40.70	14
1971	0.15	11	0.15	10	0.19	10	0.36	11	0.72	13	2.57	18	3.22	18	3.29	18	3.54	17	20.30	9
1972	0.67	15	0.73	16	0.79	15	0.83	15	1.36	16	2.34	17	2.64	16	2.98	16	3.32	16	26.50	11

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1954	0.8	19	0.8	19	0.8	19	0.8	19	0.7	19	0.5	19	0.5	19	0.4	19	0.3	19	0.1	19
1955	122.0	17	104.0	17	98.4	16	82.7	16	68.3	16	43.0	16	29.0	16	22.4	15	15.1	15	8.1	15
1956	408.0	10	393.0	9	374.0	9	319.0	8	207.0	10	108.0	11	72.4	12	54.7	12	36.3	12	18.7	12
1957	665.0	5	643.0	5	555.0	5	431.0	5	344.0	5	195.0	6	131.0	6	99.3	6	65.2	6	33.0	7
1958	670.0	4	660.0	3	602.0	3	504.0	3	349.0	4	189.0	7	126.0	7	95.6	7	63.7	7	33.1	6
1959	45.0	18	36.3	18	22.1	18	15.4	18	14.4	18	7.5	18	5.5	18	4.3	18	3.4	18	2.4	18
1960	152.0	16	132.0	16	93.9	17	69.9	17	58.8	17	35.0	17	23.5	17	18.3	17	12.5	17	6.7	17
1961	259.0	14	233.0	14	177.0	15	133.0	15	84.9	15	44.3	15	29.6	15	22.3	16	14.8	16	7.8	16
1962	420.0	9	372.0	10	331.0	11	296.0	10	267.0	7	221.0	5	163.0	4	125.0	4	83.1	4	42.9	4
1963	226.0	15	216.0	15	192.0	14	151.0	14	100.0	14	53.7	14	36.1	14	27.4	14	18.3	14	9.7	14
1964	487.0	7	469.0	7	432.0	7	293.0	11	205.0	11	119.0	10	79.5	10	59.8	10	39.5	10	20.1	10
1965	792.0	2	727.0	2	646.0	1	509.0	2	409.0	2	274.0	2	195.0	2	151.0	2	101.0	2	51.6	2
1966	260.0	13	247.0	13	210.0	13	158.0	13	137.0	13	81.9	13	55.5	13	42.2	13	28.4	13	16.1	13
1967	712.0	3	656.0	4	559.0	4	433.0	4	384.0	3	307.0	1	212.0	1	160.0	1	105.0	1	53.6	1
1968	846.0	1	751.0	1	637.0	2	552.0	1	465.0	1	262.0	3	186.0	3	141.0	3	93.4	3	47.9	3
1969	497.0	6	472.0	6	439.0	6	413.0	6	313.0	6	227.0	4	156.0	5	118.0	5	78.6	5	40.5	5
1970	290.0	12	261.0	12	233.0	12	212.0	12	160.0	12	107.0	12	73.1	11	55.5	11	36.8	11	19.9	11
1971	468.0	8	448.0	8	401.0	8	326.0	7	232.0	8	143.0	8	99.2	8	74.8	8	49.9	8	26.7	8
1972	379.0	11	365.0	11	340.0	10	299.0	9	214.0	9	126.0	9	84.6	9	63.9	9	42.7	9	22.8	9

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	496	6940	100.0	9	1.40	657	4317	62.2	18	12.0	44	1087	15.7	27	100	79	477	6.8
1	0.10	159	6444	92.9	10	1.80	740	3660	52.7	19	15.0	54	1043	15.0	28	130	62	398	5.7
2	0.20	190	6285	90.6	11	2.30	676	2920	42.1	20	19.0	82	989	14.3	29	170	45	336	4.8
3	0.30	176	6095	87.8	12	2.90	421	2244	32.3	21	25.0	63	907	13.1	30	210	90	291	4.1
4	0.40	175	5919	85.3	13	3.60	348	1823	26.3	22	31.0	84	844	12.2	31	270	201	201	2.8
5	0.50	326	5744	82.8	14	4.60	203	1475	21.3	23	40.0	92	760	11.0	32				
6	0.70	324	5418	78.1	15	5.90	79	1272	18.3	24	51.0	71	668	9.6	33				
7	0.90	413	5094	73.4	16	7.50	57	1193	17.2	25	65.0	67	597	8.6	34				
8	1.10	364	4681	67.4	17	9.50	49	1136	16.4	26	82.0	53	530	7.6					

09270500 Dry Fork at mouth, near Dry Fork, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1954	273			16	15	4	33	24																											46.1
1955			2			3	18	27	131	76	41	7	2	2	2	1	1		1	1	3	7	6	6	6	8	5	4	5							2942.6
1956		6	21	16	23	20	21	13	31	43	48	33	26	14	6	2	1	2	1	1		3	4	4	3	1	1	1	1	2	3	3	12			6860.8
1957		8	18	32	36	38	27	47	31	10	14	14	13	7	3	7	1	3	3	4	1	3	3	3	2	4	2	1	2	3	3	7	19			12038.0
1958		7	3	5	10	34	19	1	6	12	16	23	69	26	19	46	8	3	4	3	3	3	4	1	6	4	1	2	2	1	3	2	19			12074.4
1959		53	20	7	3	9	5	4	5	24	66	124	8	5	3	3	4	3	3	3	6	4	1	1	1											869.3
1960		80	14	5	7	9	13	4	4	24	62	62	19	9	4	4	5	1	1	2	3	7	4	2	6	5	2	2	4	2						2450.5
1961		55	49	21	33	18	37	31	20	3	11	18	30	1	1	1	1	1	1		2	3	3	4	4	1	4	2	5	2	1	2				2862.4
1962							7	6	15	54	37	31	50	22	17	12	6	5	8	5	4	2	3	12	5	3	3	8	11	10	9	20				15667.9
1963		14	18	29	39	7	23	32	26	12	49	48	19	1	5	2	3	2	1	2	3	2	4	2	2		2	3	6	3	4	2				3536.3
1964			10	50	4	26	48	37	61	33	28	8	4	4			1	2	2	1	2		1	2	4	8	5	3	3	5	3	3	8			7361.0
1965							20	18	4	28	47	64	27	19	5		3	3	6	5	8	19	6	7	9	11	9	1	2	2	2	16	24				18834.1
1966					1	1	6	3	3	6	24	82	83	7	18	45	15	12	1	3	3	6	3	9	2	3	2	9	5	4	4	5				5882.5
1967				6	3	4	40	20	40	17	38	29	14	23	36	6	1	4	3	4	2	3	6	5	5	4	1	1	1	4	2	11	32			19546.5
1968									1	20	19	56	102	29	15	23	2	4	1	3	1	8	10	18	11	4	2	2	2	3	3	2	25			17536.1
1969							2	1	3	5	59	70	64	44	12	8	6	7	12	1	4	1		4	1	3	3	7	11	7	1	6	23			14781.8
1970			4	3	2	2	5	9	14	5	23	161	105	75	27	2	4	3	2	3	2	2		1	9	8	15	3	3	6	2	9	1			7258.7
1971							1	10	6	12	29	22	28	62	99	16	8		1		4	6	5	8	5	1	7	4	9	5	1	7	9			9762.6
1972							8	36	21	19	29	27	32	47	71	20	3	1	1		2	1	1	4	4	1	3	5	10	2	3	6	9			8346.9

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1956	0.110E+01	0.209E+01	0.219E+01	0.149E+01	0.130E+01	0.203E+01	0.443E+00	0.137E+03	0.748E+02	0.587E+00	0.703E+00	0.263E+00
1957	0.297E+00	0.717E+00	0.761E+00	0.323E+00	0.461E+00	0.832E+00	0.473E+00	0.177E+00	0.327E+03	0.617E+02	0.301E+01	0.345E+01
1958	0.177E+01	0.560E+01	0.390E+01	0.250E+01	0.338E+01	0.341E+01	0.203E+01	0.191E+03	0.177E+03	0.405E+01	0.342E+00	0.987E+00
1959	0.143E+01	0.184E+01	0.209E+01	0.179E+01	0.180E+01	0.220E+01	0.637E+00	0.194E-01	0.112E+02	0.375E+01	0.117E+01	0.800E+00
1960	0.945E+00	0.198E+01	0.207E+01	0.142E+01	0.129E+01	0.279E+01	0.863E+00	0.305E+02	0.380E+02	0.497E+00	0.290E-01	0.0
1961	0.106E+01	0.248E+01	0.115E+01	0.303E+00	0.621E+00	0.610E+00	0.210E+00	0.337E+02	0.530E+02	0.774E+00	0.871E-01	0.210E+00
1962	0.329E+01	0.382E+01	0.276E+01	0.172E+01	0.236E+01	0.352E+01	0.117E+02	0.159E+03	0.266E+03	0.546E+02	0.435E+01	0.153E+01
1963	0.206E+01	0.209E+01	0.141E+01	0.377E+00	0.106E+01	0.153E+01	0.102E+01	0.736E+02	0.311E+02	0.542E+00	0.155E+00	0.353E+00
1964	0.794E+00	0.157E+01	0.948E+00	0.400E+00	0.283E+00	0.423E+00	0.113E+01	0.130E+03	0.971E+02	0.680E+01	0.874E+00	0.850E+00
1965	0.129E+01	0.191E+01	0.224E+01	0.156E+01	0.907E+00	0.124E+01	0.300E+01	0.285E+02	0.409E+03	0.127E+03	0.293E+02	0.162E+02
1966	0.654E+01	0.625E+01	0.409E+01	0.228E+01	0.206E+01	0.255E+01	0.206E+01	0.124E+03	0.347E+02	0.315E+01	0.164E+01	0.163E+01
1967	0.180E+01	0.177E+01	0.115E+01	0.708E+00	0.809E+00	0.322E+01	0.977E+00	0.157E+03	0.370E+03	0.915E+02	0.995E+01	0.375E+01
1968	0.310E+01	0.248E+01	0.245E+01	0.241E+01	0.191E+01	0.241E+01	0.342E+01	0.734E+01	0.465E+03	0.548E+02	0.312E+02	0.510E+01
1969	0.276E+01	0.308E+01	0.212E+01	0.154E+01	0.210E+01	0.334E+01	0.434E+01	0.274E+03	0.157E+03	0.280E+02	0.206E+01	0.215E+01
1970	0.275E+01	0.336E+01	0.293E+01	0.315E+01	0.260E+01	0.222E+01	0.120E+01	0.616E+02	0.121E+03	0.324E+02	0.239E+01	0.300E+01
1971	0.443E+01	0.350E+01	0.405E+01	0.395E+01	0.312E+01	0.305E+01	0.149E+01	0.292E+02	0.227E+03	0.384E+02	0.250E+01	0.225E+01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2213E+01	0.2782E+01	0.2270E+01	0.1621E+01	0.1630E+01	0.2210E+01	0.2184E+01	0.8975E+02	0.1786E+03	0.3176E+02	0.5608E+01	0.2656E+01
0.2527E+01	0.2143E+01	0.1148E+01	0.1132E+01	0.8830E+00	0.1050E+01	0.7728E+01	0.6425E+04	0.2204E+05	0.1431E+04	0.9843E+02	0.1516E+02
0.1590E+01	0.1464E+01	0.1072E+01	0.1064E+01	0.9397E+00	0.1024E+01	0.2780E+01	0.8016E+02	0.1485E+03	0.3783E+02	0.9921E+01	0.3893E+01
0.1476E+01	0.1246E+01	0.4465E+00	0.5473E+00	0.3666E+00	-0.4528E+00	0.2950E+01	0.7751E+00	0.6774E+00	0.1291E+01	0.2260E+01	0.3120E+01
0.7182E+00	0.5261E+00	0.4721E+00	0.6566E+00	0.5766E+00	0.4636E+00	0.1273E+01	0.8931E+00	0.8311E+00	0.1191E+01	0.1769E+01	0.1466E+01
0.6845E+00	0.8605E+00	0.7019E+00	0.5012E+00	0.5041E+00	0.6835E+00	0.6755E+00	0.2776E+02	0.5525E+02	0.9824E+01	0.1734E+01	0.8215E+00

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.760	0.752	*	*	*	*	*	*	*	*	*
*	1.000	0.857	0.584	*	*	*	*	*	*	*	*
*	*	1.000	0.885	0.890	*	*	*	*	*	*	*
*	*	*	1.000	0.879	0.577	*	*	*	*	*	*
*	*	*	*	1.000	0.749	0.337	*	*	*	*	*
*	*	*	*	*	1.000	0.468	0.488	*	*	*	*
*	*	*	*	*	*	1.000	0.373	0.325	*	*	*
*	*	*	*	*	*	*	1.000	-0.100	-0.122	*	*
*	*	*	*	*	*	*	*	1.000	0.875	0.802	*
*	*	*	*	*	*	*	*	*	1.000	0.737	0.852
*	*	*	*	*	*	*	*	*	*	1.000	0.813
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.629
SEPT-OCT 0.824
SEPT-NOV 0.731

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09270500 Dry Fork at mouth, near Dry Fork, Utah--Continued

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.055	-0.343	-0.221	0.200	0.057	-0.126	-0.189	-0.489	-0.055	-0.252	-0.026	-0.078

09271000 **Ashley Creek at Sign of the Maine, near Vernal, Utah**

LOCATION.--Lat 40°31'00", long 109°35'40", in NE¼ sec.31, T.3 S., R.21 E., on left bank 0.75 mile (1.21 km) downstream from Dry Fork and 4.75 miles (7.64 km) northwest of Vernal.

DRAINAGE AREA.--241 sq mi (624 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 5,750 ft (1,753 m) from topographic map. Prior to Dec. 31, 1904, staff gages at sites about 0.25 mile (0.40 km) upstream at different datums. June 23, 1939, to Sept. 25, 1956, water-stage recorder at site 100 ft (30 m) upstream at datum 0.68 ft (0.21 m) higher.

EXTREMES.--Maximum discharge, 4,110 ft^3/s (116 m^3/s) June 11, 1965; maximum gage height, 5.40 ft (1.646 m) July 21, 1945; minimum discharge recorded, 10 ft^3/s (0.28 m^3/s) Feb. 24, 1961, Jan. 19, Mar. 5, 1963.

REMARKS.--Flow increased since July 1940 by water released from Oaks Park Reservoir (capacity, 6,250 acre-ft or 7.71 hm^3) on Big Brush Creek and diverted to Ashley Creek basin for irrigation. Diversions above station for irrigation and municipal supply.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1962	14.00	3	15.00	3	15.30	3	15.50	3	15.90	3	28.30	4	30.50	4	34.60	4	53.80	4	98.10	2
1963	13.00	2	13.00	2	13.00	2	13.00	2	13.00	2	13.80	1	14.70	1	15.70	1	22.70	1	167.00	4
1964	11.00	1	11.30	1	11.70	1	12.10	1	12.70	1	19.60	2	20.40	2	21.10	2	26.40	3	68.30	1
1965	15.00	4	15.30	4	16.00	4	16.50	4	16.90	4	19.70	3	20.50	3	21.50	3	25.90	2	110.00	3

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1961	754.0	4	728.0	4	633.0	4	549.0	4	437.0	4	291.0	4	229.0	4	189.0	4	142.0	4	80.6	4
1962	1380.0	3	1310.0	3	1160.0	3	846.0	3	691.0	3	663.0	2	542.0	2	440.0	2	312.0	2	183.0	2
1963	628.0	5	606.0	5	574.0	5	463.0	5	375.0	5	244.0	5	190.0	5	152.0	5	110.0	5	66.4	5
1964	1500.0	2	1410.0	2	1310.0	2	947.0	2	708.0	2	467.0	3	351.0	3	280.0	3	193.0	3	110.0	3
1965	2900.0	1	2660.0	1	2130.0	1	1650.0	1	1260.0	1	866.0	1	643.0	1	515.0	1	360.0	1	193.0	1

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	1826	100.0	9	42.00	74	874	47.9	18	190.0	23	269	14.7	27	880	7	38	2.0
1	11.00	14	1826	100.0	10	50.00	53	800	43.8	19	230.0	20	246	13.5	28	1000	12	31	1.6
2	13.00	117	1812	99.2	11	59.00	84	747	40.9	20	270.0	28	226	12.4	29	1200	10	19	1.0
3	15.00	133	1695	92.8	12	70.00	83	663	36.3	21	320.0	24	198	10.8	30	1500	5	9	.4
4	18.00	246	1562	85.5	13	83.00	67	580	31.8	22	380.0	26	174	9.5	31	1700	1	4	.2
5	22.00	164	1316	72.1	14	98.00	90	513	28.1	23	450.0	36	148	8.1	32	2000	1	3	.1
6	26.00	122	1152	63.1	15	120.00	89	423	23.2	24	530.0	40	112	6.1	33	2400	1	2	.1
7	30.00	92	1030	56.4	16	140.00	37	334	18.3	25	630.0	14	72	3.9	34	2900	1	1	.0
8	36.00	64	938	51.4	17	160.00	28	297	16.3	26	740.0	20	58	3.2					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS																															FT^3/S DAYS
CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1961			40	83	47	19	19	4	1	1	10	12	22	18	26	18	6	4	5	4	5	2	5	7	4	2	1									29410.0
1962					2	45	27	23	30	11	31	24	23	24	24	11	4	5	4	7	5	8	17	14	8	9	4	2	3							66810.0
1963		14	77	25	42	20	14	28	11	13	15	16	18	18	14	5	2	5	2	1	8	6	3	2	6											24229.0
1964				25	81	65	13	14	13	17	17	24	10	4	5	21	7	3	2	7	6	7	3	6	5		3		2	5	1					40136.0
1965					74	58	31	19	16	13		1	9	4	21	21	11	12	9	4	2	4	7	4	11	4	7	3	8	2	4	1	1	1	1	70552.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1962	0.106E+03	0.750E+02	0.452E+02	0.317E+02	0.298E+02	0.318E+02	0.174E+03	0.633E+03	0.674E+03	0.208E+03	0.111E+03	0.701E+02
1963	0.471E+02	0.237E+02	0.187E+02	0.157E+02	0.143E+02	0.142E+02	0.130E+02	0.323E+03	0.146E+03	0.839E+02	0.418E+02	0.489E+02
1964	0.455E+02	0.283E+02	0.232E+02	0.219E+02	0.207E+02	0.186E+02	0.169E+02	0.462E+03	0.396E+03	0.144E+03	0.799E+02	0.553E+02
1965	0.396E+02	0.286E+02	0.246E+02	0.220E+02	0.197E+02	0.197E+02	0.239E+02	0.299E+03	0.124E+04	0.318E+03	0.171E+03	0.122E+03

09271000 Ashley Creek at Sign of the Maine, near Vernal, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.5964E+02	0.3891E+02	0.2791E+02	0.2283E+02	0.2111E+02	0.2106E+02	0.5702E+02	0.4293E+03	0.6128E+03	0.1885E+03	0.1008E+03	0.7407E+02
0.9831E+03	0.5829E+03	0.1396E+03	0.4370E+02	0.4099E+02	0.5679E+02	0.6133E+04	0.2364E+05	0.2186E+06	0.9997E+04	0.2982E+04	0.1099E+04
0.3135E+02	0.2414E+02	0.1181E+02	0.6611E+01	0.6402E+01	0.7536E+01	0.7831E+02	0.1537E+03	0.4676E+03	0.9999E+02	0.5460E+02	0.3315E+02
0.1935E+01	0.1948E+01	0.1722E+01	0.7789E+00	0.8363E+00	0.1380E+01	0.1980E+01	0.9380E+00	0.8450E+00	0.6270E+00	0.5385E+00	0.1596E+01
0.5258E+00	0.6205E+00	0.4233E+00	0.2896E+00	0.3033E+00	0.3579E+00	0.1373E+01	0.3581E+00	0.7630E+00	0.5305E+00	0.5416E+00	0.4476E+00
0.3606E+01	0.2352E+01	0.1688E+01	0.1380E+01	0.1276E+01	0.1273E+01	0.3448E+01	0.2596E+02	0.3705E+02	0.1140E+02	0.6096E+01	0.4478E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.984	0.954	*	*	*	*	*	*	*	*	*
*	1.000	0.992	0.933	*	*	*	*	*	*	*	*
*	*	1.000	0.968	0.965	*	*	*	*	*	*	*
*	*	*	1.000	0.997	0.988	*	*	*	*	*	*
*	*	*	*	1.000	0.984	0.915	*	*	*	*	*
*	*	*	*	*	1.000	0.963	0.867	*	*	*	*
*	*	*	*	*	*	1.000	0.875	0.144	*	*	*
*	*	*	*	*	*	*	1.000	-0.120	-0.069	*	*
*	*	*	*	*	*	*	*	1.000	0.999	0.997	*
*	*	*	*	*	*	*	*	*	1.000	0.999	0.964
*	*	*	*	*	*	*	*	*	*	1.000	0.958
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.147
SEPT-OCT 0.420
SEPT-NOV-0.940

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.687	-0.992	-0.925	-0.916	-0.962	-0.906	-0.757	-0.752	-0.249	-0.263	-0.227	-0.299

09271500 Ashley Creek near Jensen, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1947												13	4	8	13	33	56	36	39	30	72	1		2	2	3	16	18	14	4	1					40619.0
1948										12	19	16	24	6	5	5	10	21	28	15	110	67	6	1	1	3	7	5	3	2						19577.8
1949													2	14	48	28	23	48	49	33	53	8	12	7	4	5	5	8	4	7	4	3				29213.8
1950													1	6	4	6	14	20	7	24	37	126	35	27	20	9	4	6	5	7	4	3				39720.8
1951												8	27	16	13	22	12	34	24	43	127	14	14	3		1	1	2		3	1					15861.9
1952														2	9	2	10	3	28	145	59	22	16	10	15	11	8	6	10	7	3					46966.3
1953								1	11	10	36	18	13		6	5	16	12	16	44	55	106	10	1	2	1	1		1								13954.2
1954					1	20	9	10	12	18	11	16	20	19	11	22	34	28	40	83	8	1		2													8079.9
1955			7	1	14	29	20	12	3	1		4	6	17	21	14	38	33	106	26	12	1															7877.4
1956		6	6	3	4	9	10	14	31	11	19	17	22	17	14	12	20	29	88	10	4	3	6	4	1	1	4	1								9298.2
1957								6	11	13	10	9	17	26	45	41	79	37	25	17		1	1	1	4	9	5	4	3	1						15962.6
1961		13	13	7	9	2	11	3	17	27	13	14	14	55	28	67	26	27	15	1	2	1														3687.0
1962								2	4	8	11	15	8	3	3	9	16	29	55	49	46	32	20	30	6	8	3	4	3	1						27144.2
1963					5	4	9	9	8	19	11	12	28	27	12	41	54	96	26	4																	5648.7
1964					2	4	4	9	17	32	29	25	25	19	82	60	19	12	6	12	2	2	2	2	1												6321.6
1965											2	9	11	18	12	34	72	84	53	20	8	6	8	2	1	7	3	7	5	1	2					30439.9
1966									5	2	3	22	28	17	24	10	22	19	47	46	62	19	7	6	3	3	20										20672.7
1967								4	1	9	4	2	3	5	8	13	39	142	63	22	3	4	1	2	3	4	6	6	13	6	1	1				32385.4
1968																11	42	93	113	43	24	6	3	2	3	2	3	5	6	7		2	1			32132.0
1969															2	11	31	22	139	73	22	13	10	11	12	14	3	2								23252.7
1970															1	24	49	55	164	44	7	3	1	1	3	3	4	2	4							17711.0
1971																19	28	49	152	83	18	6	1		1	2	1	4	1							16391.0
1972													1	34	18	36	48	82	60	50	21	7	6	1		2										11318.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	0.714E+01	0.194E+02	0.351E+02	0.561E+02	0.567E+02	0.481E+02	0.187E+02	0.509E+03	0.507E+03	0.357E+02	0.259E+02	0.153E+02
1948	0.298E+02	0.477E+02	0.538E+02	0.466E+02	0.539E+02	0.648E+02	0.353E+02	0.202E+03	0.913E+02	0.865E+01	0.427E+01	0.279E+01
1949	0.826E+01	0.174E+02	0.240E+02	0.318E+02	0.414E+02	0.652E+02	0.220E+02	0.185E+03	0.520E+03	0.327E+02	0.743E+01	0.100E+02
1950	0.616E+02	0.635E+02	0.562E+02	0.550E+02	0.514E+02	0.897E+02	0.104E+03	0.383E+03	0.333E+03	0.694E+02	0.149E+02	0.212E+02
1951	0.351E+02	0.437E+02	0.515E+02	0.451E+02	0.458E+02	0.325E+02	0.118E+02	0.125E+03	0.916E+02	0.835E+01	0.119E+02	0.186E+02
1952	0.583E+02	0.558E+02	0.533E+02	0.489E+02	0.450E+02	0.671E+02	0.167E+03	0.515E+03	0.410E+03	0.304E+02	0.497E+02	0.391E+02
1953	0.368E+02	0.499E+02	0.650E+02	0.624E+02	0.564E+02	0.591E+02	0.258E+02	0.199E+02	0.765E+02	0.340E+01	0.257E+01	0.274E+01
1954	0.741E+01	0.234E+02	0.414E+02	0.450E+02	0.403E+02	0.255E+02	0.117E+02	0.423E+02	0.219E+02	0.282E+01	0.132E+01	0.346E+01
1955	0.155E+02	0.211E+02	0.348E+02	0.360E+02	0.350E+02	0.511E+02	0.211E+02	0.154E+02	0.257E+02	0.119E+01	0.200E+01	0.850E+00
1956	0.365E+01	0.127E+02	0.307E+02	0.358E+02	0.333E+02	0.276E+02	0.708E+01	0.105E+03	0.439E+02	0.303E+01	0.452E+00	0.138E+01
1957	0.242E+01	0.719E+01	0.174E+02	0.245E+02	0.366E+02	0.252E+02	0.111E+02	0.691E+01	0.348E+03	0.252E+02	0.100E+02	0.159E+02
1961	0.381E+01	0.885E+01	0.130E+02	0.210E+02	0.204E+02	0.966E+01	0.590E+01	0.463E+01	0.224E+02	0.227E+01	0.210E+00	0.103E+02
1962	0.401E+02	0.438E+02	0.557E+02	0.345E+02	0.858E+02	0.868E+02	0.979E+02	0.243E+03	0.156E+03	0.395E+02	0.537E+01	0.475E+01
1963	0.218E+02	0.240E+02	0.262E+02	0.245E+02	0.296E+02	0.152E+02	0.100E+02	0.117E+02	0.149E+02	0.182E+01	0.168E+01	0.553E+01
1964	0.776E+01	0.138E+02	0.123E+02	0.123E+02	0.171E+02	0.217E+02	0.117E+02	0.514E+02	0.484E+02	0.446E+01	0.314E+01	0.344E+01
1965	0.102E+02	0.269E+02	0.278E+02	0.278E+02	0.358E+02	0.521E+02	0.305E+02	0.118E+02	0.584E+03	0.831E+02	0.436E+02	0.754E+02
1966	0.232E+03	0.108E+03	0.669E+02	0.500E+02	0.356E+02	0.698E+02	0.183E+02	0.560E+02	0.206E+02	0.547E+01	0.510E+01	0.787E+01
1967	0.214E+02	0.227E+02	0.268E+02	0.245E+02	0.296E+02	0.390E+02	0.149E+02	0.138E+03	0.627E+03	0.782E+02	0.212E+02	0.267E+02
1968	0.240E+02	0.302E+02	0.301E+02	0.189E+02	0.349E+02	0.468E+02	0.336E+02	0.384E+02	0.685E+03	0.320E+02	0.555E+02	0.352E+02
1969	0.488E+02	0.392E+02	0.384E+02	0.336E+02	0.327E+02	0.591E+02	0.467E+02	0.194E+03	0.190E+03	0.298E+02	0.169E+02	0.331E+02
1970	0.460E+02	0.383E+02	0.366E+02	0.351E+02	0.342E+02	0.271E+02	0.180E+02	0.242E+02	0.243E+03	0.337E+02	0.226E+02	0.266E+02
1971	0.480E+02	0.404E+02	0.405E+02	0.379E+02	0.394E+02	0.306E+02	0.226E+02	0.362E+02	0.173E+03	0.284E+02	0.156E+02	0.287E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.3500E+02	0.3445E+02	0.3806E+02	0.3669E+02	0.4050E+02	0.4608E+02	0.3389E+02	0.1327E+03	0.2378E+03	0.2544E+02	0.1460E+02	0.1764E+02
0.2288E+04	0.5123E+03	0.2526E+03	0.1744E+03	0.2082E+03	0.5046E+03	0.1548E+04	0.2446E+05	0.5065E+05	0.6267E+03	0.2635E+03	0.3125E+03
0.4783E+02	0.2263E+02	0.1589E+02	0.1321E+02	0.1443E+02	0.2246E+02	0.3934E+02	0.1564E+03	0.2251E+03	0.2503E+02	0.1623E+02	0.1768E+02
0.3573E+01	0.1647E+01	0.2002E+00	0.1436E+00	0.1394E+01	0.2849E+00	0.2442E+01	0.1529E+01	0.7449E+00	0.1098E+01	0.1463E+01	0.1773E+01
0.1367E+01	0.6570E+00	0.4175E+00	0.3600E+00	0.3563E+00	0.4875E+00	0.1161E+01	0.1179E+01	0.9463E+00	0.9842E+00	0.1112E+01	0.1000E+01
0.5051E+01	0.4972E+01	0.5494E+01	0.5296E+01	0.5845E+01	0.6650E+01	0.4892E+01	0.1915E+02	0.3432E+02	0.3671E+01	0.2108E+01	0.2552E+01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09271500 Ashley Creek near Jensen, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.914	0.631	*	*	*	*	*	*	*	*	*
*	1.000	0.853	0.593	*	*	*	*	*	*	*	*
*	*	1.000	0.831	0.660	*	*	*	*	*	*	*
*	*	*	1.000	0.591	0.524	*	*	*	*	*	*
*	*	*	*	1.000	0.682	0.485	*	*	*	*	*
*	*	*	*	*	1.000	0.671	0.564	*	*	*	*
*	*	*	*	*	*	1.000	0.703	0.225	*	*	*
*	*	*	*	*	*	*	1.000	0.337	0.323	*	*
*	*	*	*	*	*	*	*	1.000	0.788	0.787	*
*	*	*	*	*	*	*	*	*	1.000	0.582	0.721
*	*	*	*	*	*	*	*	*	*	1.000	0.822
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.542
SEPT-OCT 0.851
SEPT-NOV 0.793

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.077	0.012	0.091	0.464	-0.064	-0.077	-0.209	0.091	-0.037	-0.188	0.035	0.032

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09272500 Duchesne tunnel near Kamas, Utah
(Transmountain diversion)

LOCATION.--Lat 40°36', long 111°00', in NE¼ sec.2, T.3 S., R.8 E., on left bank 600 ft (183 m) downstream from tunnel outlet, 3 miles (5 km) upstream from Soapstone Creek, and 14 miles (23 km) east of Kamas.

GAGE.--Water-stage recorder with Parshall flume, and Sparling water meter for low flow. Datum of gage is 8,098.5 ft (2,468.42 m), Bureau of Reclamation design plan.

EXTREMES.--Maximum discharge, 729 ft^3/s (20.6 m^3/s) June 20, 1962; minimum daily, 0.6 ft^3/s (0.017 m^3/s) of seepage on many days in 1960-61, 1965-67, when flow was cut off at head of tunnel.

REMARKS.--Tunnel diverts from Duchesne River in Colorado River basin to Jordan River basin and normally includes about 1.5 ft^3/s (0.042 m^3/s) tunnel seepage.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1955	5.80	13	5.80	13	5.80	12	5.80	12	6.09	10	6.30	8	6.36	8	6.43	7	6.71	6	39.10	6
1956	6.50	15	6.50	15	6.50	15	6.50	14	8.46	14	10.10	15	10.50	15	10.70	14	10.60	13	46.10	10
1957	5.90	14	5.90	14	6.04	14	6.41	13	6.56	12	6.76	11	6.82	10	6.87	9	7.00	8	42.30	7
1958	1.50	9	1.50	9	6.01	13	8.58	15	9.27	15	9.63	14	9.76	14	9.82	13	10.30	12	42.80	8
1959	1.50	10	1.50	10	1.50	9	1.71	9	6.37	11	6.64	9	6.66	9	6.67	8	6.77	7	29.60	2
1960	1.50	11	1.50	11	1.50	10	1.50	8	4.10	8	8.74	13	9.09	13	9.67	12	13.20	14	51.50	12
1961	0.60	1	0.60	1	0.60	1	0.60	1	0.64	3	0.79	3	1.95	3	4.38	3	5.75	3	44.70	9
1962	0.60	2	0.67	5	0.79	5	0.81	5	0.86	5	0.94	5	2.93	4	15.10	15	19.80	15	31.60	3
1963	1.50	12	2.50	12	2.80	11	3.00	11	3.22	7	4.31	7	4.83	7	5.09	5	6.21	4	70.50	15
1964	1.10	7	1.10	7	1.10	7	1.10	6	5.24	9	6.76	10	7.14	11	7.38	10	9.04	11	51.60	13
1965	1.10	8	1.10	8	1.10	8	1.10	7	2.17	6	3.97	6	4.51	6	4.92	4	6.51	5	51.60	14
1966	0.60	3	0.60	2	0.60	2	0.60	2	0.60	1	0.60	1	0.60	1	0.60	1	0.61	1	50.30	11
1967	0.60	4	0.60	3	0.60	3	0.60	3	0.60	2	0.60	2	3.84	5	5.63	6	7.21	9	36.90	4
1968	0.60	5	0.60	4	0.60	4	1.95	10	7.16	13	7.25	12	7.38	12	7.53	11	8.36	10	38.90	5
1969	0.80	6	0.80	6	0.80	6	0.80	4	0.82	4	0.86	4	0.87	2	0.88	2	0.89	2	17.70	1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1954	467.0	11	463.0	9	439.0	7	380.0	5	277.0	8	179.0	10	132.0	10	104.0	10	71.2	10	39.1	11
1955	531.0	7	513.0	5	448.0	6	337.0	10	284.0	7	211.0	7	151.0	7	119.0	7	81.7	7	44.3	7
1956	520.0	8	508.0	6	490.0	4	368.0	7	253.0	10	186.0	8	142.0	8	112.0	8	77.5	8	43.9	8
1957	571.0	3	472.0	8	341.0	11	251.0	12	193.0	12	161.0	11	134.0	9	108.0	9	75.0	9	41.1	9
1958	552.0	5	501.0	7	308.0	13	243.0	13	166.0	14	124.0	13	93.6	13	74.4	13	52.4	13	31.4	13
1959	589.0	2	558.0	2	513.0	3	452.0	2	323.0	4	229.0	4	167.0	5	131.0	5	89.0	5	48.0	5
1960	553.0	4	529.0	4	460.0	5	373.0	6	315.0	5	214.0	5	159.0	6	125.0	6	85.1	6	47.7	6
1961	321.0	14	308.0	14	274.0	14	231.0	14	170.0	13	103.0	14	71.2	14	55.1	14	41.7	14	24.9	14
1962	593.0	1	573.0	1	519.0	2	498.0	1	412.0	1	317.0	1	252.0	1	199.0	1	136.0	1	78.1	1
1963	508.0	9	437.0	11	412.0	9	399.0	4	358.0	2	252.0	3	179.0	3	138.0	4	94.2	4	50.3	4
1964	542.0	6	539.0	3	520.0	1	412.0	3	336.0	3	257.0	2	184.0	2	142.0	3	96.0	3	52.1	3
1965	441.0	12	422.0	12	391.0	10	365.0	8	310.0	6	213.0	6	176.0	4	147.0	2	101.0	2	53.8	2
1966	408.0	13	385.0	13	332.0	12	266.0	11	256.0	9	181.0	9	127.0	11	95.5	12	63.9	12	32.3	12
1967	471.0	10	455.0	10	426.0	8	348.0	9	230.0	11	154.0	12	124.0	12	99.2	11	69.4	11	39.6	10
1968	198.0	15	156.0	15	142.0	15	111.0	15	86.3	15	54.3	15	50.8	15	49.0	15	35.8	15	21.4	15

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.0	9	3.20	27	4819	88.0	18	21.0	169	1568	28.6	27	140	85	512	9.3
1	0.60	307	5479	100.0	10	3.90	5	4792	87.5	19	26.0	141	1399	25.5	28	170	93	427	7.7
2	0.70	30	5172	94.4	11	4.80	182	4787	87.4	20	32.0	99	1258	23.0	29	210	92	334	6.0
3	0.90	96	5142	93.8	12	6.00	857	4605	84.0	21	39.0	134	1159	21.2	30	260	73	242	4.4
4	1.10	114	5046	92.1	13	7.40	689	3748	68.4	22	48.0	115	1025	18.7	31	320	69	169	3.0
5	1.40	87	4932	90.0	14	9.10	498	3059	55.8	23	60.0	106	910	16.6	32	390	60	100	1.8
6	1.70	11	4845	88.4	15	11.00	524	2561	46.7	24	73.0	101	804	14.7	33	480	38	40	.7
7	2.10	8	4834	88.2	16	14.00	277	2037	37.2	25	90.0	68	703	12.8	34	590	2	2	.0
8	2.60	7	4826	88.1	17	17.00	192	1760	32.1	26	110.0	123	635	11.6					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09272500 Duchesne tunnel near Kamas, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1954						19			1			110	77	25	16	12	11	5	8	10	4	6	7	18	4	8	3	2	2	6	4	7			14257.7
1955												17168	15	10	15	17	19	19	15	4	4	5	3	3	2	4	10	8	12	6	3	3	3		16170.4
1956													16	56	33	123	12	2	31	4	5	7	10	14	8	7	9	7	8	2	3		3	6		16080.3
1957						3						5120	55	28	25	4	5	13	10	11	10	6	9	9	12	8	7	12	3	3	4		3		15019.5
1958						8	7					2	42	122	85	5	11	14	10	6	5	5	3	3	3	12	6	10	2	1		1	2		11459.6
1959						16			1		3	5172	16	5	4	15	25	9	10	6	8	7	3	5	2	15	6	8	7	2	3	7	5			17519.2
1960		26	7	18	22								53	49	14	11	29	19	16	19	14	13	7	4	3	1	5	4	13	7	6	3	3			17442.0
1961		2	15	25	48							39	51	36	17	44	14	7	5	4	1	4	7	11	8	3	6	5	3	7	2	1				9078.8
1962						1			1	1	1	4	20	6	21	105	22	27	17	11	26	11	5	3	4	15	13	9	4	11	9	7	9	2		28497.9
1963					19			4		26		47	75	31	13	20	20	17	10	9	5	2	6	4	8	5	3	1	4	5	7	11	12	1			18374.1
1964					24			1					65	66	42	38	23	18	9	6	4	4	3	2	5	2	10	3	4	15	4	7	5	6			19085.0
1965						33	3	3	4	1	1	68	15	47	69	2	1	1	1	6	5	13	12	9	8	7	9	6	7	9	4	18	3				19651.3
1966		269											4	6	9	1		2	5	2	5	4	7	4	5	7	7	7	6	11	2	2				11799.6
1967		10		1	1			1					4	67	66	88	14	21	5	13	4	10	6	9	6	3	8	4	5	5	6	1	7			14455.1
1968			8	52		7							55	104	7	20	23	4		8	6	18	14	13	9	6	8	2	2							7846.5

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1954	0.364E 01	0.829E 01	0.748E 01	0.700E 01	0.700E 01	0.700E 01	0.700E 01	0.307E 02	0.263E 03	0.832E 02	0.269E 02	0.111E 02	0.933E 01
1955	0.686E 01	0.766E 01	0.623E 01	0.650E 01	0.650E 01	0.650E 01	0.650E 01	0.846E 01	0.182E 03	0.233E 03	0.337E 02	0.201E 02	0.134E 02
1956	0.101E 02	0.105E 02	0.114E 02	0.114E 02	0.112E 02	0.900E 01	0.363E 02	0.242E 03	0.122E 03	0.389E 02	0.142E 02	0.766E 01
1957	0.729E 01	0.701E 01	0.694E 01	0.697E 01	0.657E 01	0.765E 01	0.109E 02	0.983E 02	0.174E 03	0.126E 03	0.292E 02	0.112E 02
1958	0.114E 02	0.113E 02	0.100E 02	0.100E 02	0.100E 02	0.929E 01	0.199E 02	0.855E 02	0.160E 03	0.286E 02	0.119E 02	0.965E 01
1959	0.651E 01	0.692E 01	0.667E 01	0.668E 01	0.683E 01	0.700E 01	0.206E 02	0.129E 03	0.318E 03	0.484E 02	0.965E 01	0.114E 02
1960	0.247E 02	0.193E 02	0.983E 01	0.860E 01	0.948E 01	0.116E 02	0.460E 02	0.196E 03	0.224E 03	0.204E 02	0.761E 00	0.103E 01
1961	0.912E 01	0.104E 02	0.899E 01	0.611E 01	0.591E 01	0.695E 01	0.140E 02	0.149E 03	0.431E 02	0.994E 00	0.961E 00	0.418E 02
1962	0.415E 02	0.237E 02	0.185E 02	0.155E 02	0.151E 02	0.136E 02	0.808E 02	0.211E 03	0.411E 03	0.818E 02	0.178E 02	0.753E 01
1963	0.987E 01	0.665E 01	0.543E 01	0.331E 01	0.620E 01	0.579E 01	0.104E 02	0.207E 03	0.286E 03	0.385E 02	0.652E 01	0.183E 02
1964	0.126E 02	0.120E 02	0.815E 01	0.784E 01	0.650E 01	0.710E 01	0.921E 01	0.202E 03	0.248E 03	0.915E 02	0.167E 02	0.296E 01
1965	0.553E 01	0.565E 01	0.702E 01	0.950E 01	0.950E 01	0.900E 01	0.184E 02	0.139E 03	0.142E 03	0.241E 03	0.520E 02	0.191E 01
1966	0.600E 00	0.600E 00	0.600E 00	0.600E 00	0.600E 00	0.600E 00	0.600E 00	0.990E 01	0.245E 03	0.108E 03	0.115E 02	0.600E 00	0.683E 01
1967	0.113E 02	0.103E 02	0.106E 02	0.913E 01	0.824E 01	0.829E 01	0.133E 02	0.159E 03	0.862E 02	0.112E 03	0.315E 02	0.121E 02
1968	0.113E 02	0.830E 01	0.795E 01	0.722E 01	0.728E 01	0.810E 01	0.142E 02	0.829E 02	0.108E 01	0.654E 02	0.397E 02	0.910E 00
1969	0.852E 00	0.900E 00	0.900E 00	0.900E 00	0.900E 00	0.900E 00	0.900E 00	0.900E 00	0.919E 02	0.0	0.0	0.0

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1082E 02	0.9345E 01	0.7922E 01	0.7327E 01	0.7366E 01	0.7396E 01	0.2151E 02	0.1619E 03	0.1707E 03	0.6036E 02	0.1642E 02	0.9753E 01
0.9797E 02	0.3373E 02	0.1709E 02	0.1370E 02	0.1237E 02	0.1055E 02	0.3819E 03	0.5005E 04	0.1193E 05	0.3744E 04	0.2278E 03	0.9979E 02
0.9898E 01	0.5808E 01	0.4134E 01	0.3702E 01	0.3518E 01	0.3248E 01	0.1954E 02	0.7074E 02	0.1092E 03	0.6118E 02	0.1509E 02	0.9989E 01
0.2251E 01	0.1023E 01	0.5445E 00	0.1486E-01	-0.3758E-01	-0.5934E 00	0.2135E 01	-0.6376E 00	0.6078E 00	0.1878E 01	0.1015E 01	0.2323E 01
0.9145E 00	0.6215E 00	0.5218E 00	0.5052E 00	0.4776E 00	0.4391E 00	0.9087E 00	0.4371E 00	0.6399E 00	0.1014E 01	0.9192E 00	0.1024E 01
0.2205E 01	0.1904E 01	0.1614E 01	0.1493E 01	0.1501E 01	0.1507E 01	0.4382E 01	0.3298E 02	0.3478E 02	0.1230E 02	0.3346E 01	0.1987E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.941	0.848	*	*	*	*	*	*	*	*	*
*	1.000	0.905	0.813	*	*	*	*	*	*	*	*
*	*	1.000	0.947	0.939	*	*	*	*	*	*	*
*	*	*	1.000	0.970	0.930	*	*	*	*	*	*
*	*	*	*	1.000	0.957	0.791	*	*	*	*	*
*	*	*	*	*	1.000	0.752	0.196	*	*	*	*
*	*	*	*	*	*	1.000	0.413	0.507	*	*	*
*	*	*	*	*	*	*	1.000	0.256	-0.082	*	*
*	*	*	*	*	*	*	*	1.000	0.089	-0.151	*
*	*	*	*	*	*	*	*	*	1.000	0.872	-0.279
*	*	*	*	*	*	*	*	*	*	1.000	-0.293
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.529
SEPT-OCT 0.885
SEPT-NOV 0.801

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.077	-0.078	-0.188	-0.437	-0.340	-0.286	-0.226	0.337	0.168	-0.133	-0.184	-0.222

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09273000 Duchesne River at Provo River Trail, near Hanna, Utah

LOCATION.--Lat 40°37'30", long 110°53'20", in SE¼ sec.27, T.3 N., R.9 W., Uintah meridian, on right bank 400 ft (122 m) downstream from Provo River Trail, 7 miles (11 km) upstream from Hades Creek, and 12 miles (19 km) northwest of Hanna.

DRAINAGE AREA.--39 sq mi (101 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 8,135.97 ft (2,479.84 m) above mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Maximum discharge, 1,180 ft^3/s (33.4 m^3/s) June 13, 1953 (gage height, 4.30 ft or 1.311 m); no flow during part of 1954.

REMARKS.--Since Oct. 20, 1953, practically all flow is diverted through Duchesne tunnel (see sta 09272500), a few hundred feet above station, for use in The Great Basin.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1931	18.00	21	18.00	21	18.00	21	18.00	21	18.00	21	18.00	21	18.00	21	18.30	21	20.70	21	61.40	13
1932	1.00	1	1.33	1	1.71	1	2.07	1	3.40	4	4.43	5	5.00	7	5.75	8	7.18	10	26.70	2
1933	3.00	3	3.00	3	3.00	2	3.00	2	3.00	1	3.00	1	3.00	1	3.25	1	4.63	3	63.30	14
1934	3.00	4	3.00	4	3.00	3	3.00	3	3.07	3	3.53	3	3.69	3	4.02	3	4.37	1	41.30	5
1935	4.00	7	4.00	7	4.00	7	4.00	6	4.00	5	4.00	4	4.00	4	4.25	4	4.58	2	18.20	1
1936	5.00	10	5.00	10	5.00	9	5.00	9	5.00	9	5.00	8	5.00	8	5.00	7	5.33	5	42.90	7
1937	6.00	16	6.00	15	6.00	15	6.00	13	6.00	13	6.02	11	6.34	12	6.76	13	7.91	12	69.40	18
1938	7.00	19	7.00	18	7.00	17	7.00	16	7.00	15	7.02	14	7.34	14	7.51	14	8.10	13	52.60	9
1939	9.00	20	9.00	20	9.29	20	9.71	20	10.10	20	11.10	20	11.70	20	12.00	20	13.00	19	53.70	10
1940	3.00	5	3.00	5	3.00	4	3.00	4	3.00	2	3.00	2	3.04	2	3.51	2	5.55	6	39.30	3
1941	5.00	11	5.00	11	5.14	12	5.43	11	5.90	10	7.52	15	8.69	16	9.02	16	13.60	20	42.00	6
1942	2.00	2	2.33	2	3.29	5	4.14	7	4.60	7	4.80	7	4.87	6	4.90	6	7.52	11	64.20	15
1943	4.00	8	4.00	6	4.00	6	4.00	5	4.00	6	4.48	6	4.66	5	4.79	5	5.31	4	49.90	8
1944	5.00	12	5.00	12	5.00	10	5.00	10	8.60	19	9.02	18	9.34	18	9.60	19	10.30	18	56.00	11
1945	6.20	17	6.40	16	6.80	16	7.25	17	8.00	16	8.28	17	8.70	17	9.20	17	9.64	17	56.10	12
1946	6.00	13	6.00	13	6.00	13	6.00	14	6.00	11	6.00	10	6.17	10	6.33	11	7.13	9	67.30	17
1949	4.00	9	4.20	9	4.36	8	4.69	8	4.86	8	5.19	9	5.80	9	5.98	9	5.87	7	39.80	4
1950	6.00	14	6.00	14	6.00	14	6.00	15	6.03	14	6.28	13	6.52	13	6.67	12	8.13	14	67.20	16
1951	7.00	18	7.00	19	7.21	18	7.88	18	8.53	18	9.24	19	9.36	19	9.45	18	9.54	16	73.80	20
1952	6.00	15	6.97	17	7.91	19	8.00	19	8.00	17	8.00	16	8.00	15	8.24	15	9.51	15	72.50	19
1953	3.40	6	4.13	8	5.04	11	5.63	12	6.00	12	6.10	12	6.23	11	6.25	10	7.03	8	82.00	21

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1930	654.0	7	624.0	7	600.0	7	464.0	11	386.0	10	232.0	16	172.0	16	141.0	14	102.0	12	57.9	10
1931	356.0	20	317.0	22	236.0	22	203.0	22	182.0	22	114.0	22	82.6	22	66.4	22	49.8	22	32.6	22
1932	665.0	6	628.0	6	557.0	10	495.0	9	401.0	7	318.0	7	230.0	7	177.0	8	122.0	8	65.2	8
1933	626.0	9	604.0	9	577.0	8	522.0	8	379.0	13	218.0	17	151.0	18	116.0	18	78.1	18	41.4	19
1934	100.0	23	100.0	23	100.0	23	100.0	23	100.0	23	71.0	23	55.9	23	44.6	23	31.7	23	18.1	23
1935	350.0	21	350.0	20	350.0	20	350.0	19	350.0	15	213.0	18	154.0	17	119.0	17	80.5	17	42.6	18
1936	630.0	8	622.0	8	609.0	6	554.0	5	461.0	4	321.0	5	238.0	6	190.0	4	131.0	4	68.0	5
1937	600.0	10	588.0	11	547.0	11	468.0	10	369.0	14	256.0	11	184.0	11	142.0	13	96.9	13	52.5	13
1938	600.0	11	593.0	10	577.0	9	532.0	7	387.0	9	248.0	12	176.0	14	136.0	16	93.9	16	51.1	15
1939	333.0	22	319.0	21	302.0	21	286.0	21	250.0	21	176.0	21	133.0	20	106.0	20	73.5	20	43.2	17
1940	530.0	16	502.0	17	464.0	18	407.0	15	312.0	18	185.0	20	132.0	21	102.0	21	70.4	21	38.0	21
1941	540.0	15	507.0	16	474.0	15	433.0	13	398.0	8	318.0	8	229.0	8	177.0	9	121.0	9	67.2	6
1942	552.0	14	536.0	13	510.0	12	433.0	14	381.0	11	237.0	14	176.0	15	138.0	15	94.1	15	50.9	16
1943	517.0	17	508.0	15	485.0	13	368.0	17	343.0	16	291.0	9	229.0	9	181.0	7	124.0	7	65.1	9
1945	480.0	19	453.0	19	420.0	19	343.0	20	282.0	20	237.0	15	182.0	12	147.0	11	102.0	10	53.8	12
1946	580.0	13	547.0	12	479.0	14	363.0	18	293.0	19	257.0	10	193.0	10	150.0	10	102.0	11	56.3	11
1947	593.0	12	522.0	14	465.0	17	390.0	16	379.0	12	322.0	4	241.0	4	187.0	5	128.0	5	68.9	4
1948	502.0	18	489.0	18	469.0	16	449.0	12	337.0	17	198.0	19	140.0	19	108.0	19	73.6	19	40.3	20
1949	765.0	3	713.0	4	701.0	3	608.0	2	440.0	5	319.0	6	240.0	5	187.0	6	126.0	6	66.2	7
1950	695.0	5	683.0	5	647.0	5	575.0	4	527.0	1	367.0	2	262.0	2	204.0	2	138.0	2	73.1	2
1951	760.0	4	727.0	3	653.0	4	547.0	6	465.0	3	344.0	3	251.0	3	197.0	3	136.0	3	72.7	3
1952	808.0	2	789.0	2	746.0	1	661.0	1	511.0	2	387.0	1	294.0	1	229.0	1	157.0	1	83.1	1
1953	884.0	1	833.0	1	743.0	2	583.0	3	403.0	6	246.0	13	178.0	13	142.0	12	96.0	14	51.6	14

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9400	100.0	9	5.10	597	7160	85.2	18	33.0	210	2074	24.7	27	210	142	744	8.8
1	1.00	2	9400	100.0	10	6.30	596	6563	78.1	19	40.0	198	1864	22.2	28	250	146	602	7.1
2	1.20	0	9398	100.0	11	7.80	984	5967	71.0	20	49.0	206	1666	19.8	29	310	144	456	5.4
3	1.50	0	9398	100.0	12	9.50	898	4983	59.3	21	60.0	141	1460	17.4	30	380	127	312	3.7
4	1.80	11	9398	100.0	13	12.00	522	4085	48.6	22	74.0	132	1319	15.7	31	470	92	185	2.2
5	2.30	0	8387	99.8	14	14.00	574	3563	42.4	23	91.0	112	1187	14.1	32	570	76	93	1.1
6	2.80	210	8387	99.8	15	18.00	423	2989	35.6	24	110.0	99	1075	12.8	33	700	15	17	.2
7	3.40	261	8177	97.3	16	22.00	257	2566	30.5	25	140.0	108	976	11.6	34	860	2	2	.0
8	4.20	756	7916	94.2	17	27.00	235	2309	27.5	26	170.0	124	868	10.3					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09273200 Duchesne River below Little Deer Creek, near Hanna, Utah

LOCATION.--Lat 40°37'20", long 110°53'30", in S½ sec.27, T.3 N., R.9 W., Uintah meridian, on left bank 300 ft (91 m) downstream from Little Deer Creek, about 0.3 mile (0.5 km) downstream from entrance to Duchesne tunnel, and 13.5 miles (21.7 km) northwest of Hanna.

DRAINAGE AREA.--39 sq mi (101 km^2), approximately.

GAGE.--Digital recorder. Altitude of gage 8,000 ft (2,438 m) from topographic map. Prior to June 27, 1966, at site 250 ft (76.2 m) upstream at different datum.

EXTREMES.--Maximum discharge known, June 16, 1963, estimated peak flow 47,000 ft^3/s (1,330 m^3/s), caused by failure of Little Deer Creek Dam; minimum daily, 0.20 ft^3/s (0.006 m^3/s) several days most years.

REMARKS.--There is a transmountain diversion above station through Duchesne tunnel (see sta 09272500).

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1966	0.20	3	0.20	1	0.20	1	0.21	3	0.26	3	2.99	3	5.84	3	7.15	3	10.90	3	44.60	3
1967	0.00	1	0.20	2	0.20	2	0.20	1	0.20	1	0.20	1	0.20	1	0.20	1	0.20	1	7.13	1
1968	0.20	2	0.20	3	0.20	3	0.20	2	0.20	2	0.23	2	0.24	2	0.25	2	0.26	2	34.60	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1965	840.0	1	770.0	1	723.0	1	588.0	1	398.0	2	221.0	2	148.0	2	114.0	2	78.1	2	39.6	2
1966	58.0	4	55.3	4	48.3	4	43.3	4	38.8	4	24.8	4	19.2	4	15.8	4	15.5	4	12.5	4
1967	680.0	3	622.0	3	585.0	3	522.0	2	397.0	3	208.0	3	139.0	3	105.0	3	68.9	3	34.6	3
1968	683.0	2	643.0	2	598.0	2	504.0	3	472.0	1	251.0	1	168.0	1	131.0	1	86.7	1	43.5	1

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS					DAYS					DAYS					DAYS		
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	1	1461	100.0	9	1.90	52	619	42.4	18	18.0	78	282	19.3	27	170	8	90	6.1
1	0.20	408	1460	99.9	10	2.40	18	567	38.8	19	23.0	55	204	14.0	28	220	11	82	5.6
2	0.30	111	1052	72.0	11	3.10	12	549	37.6	20	30.0	30	149	10.2	29	280	19	71	4.8
3	0.40	37	941	64.4	12	4.00	8	537	36.8	21	38.0	17	119	8.1	30	360	14	52	3.5
4	0.50	79	904	61.9	13	5.20	94	529	36.2	22	49.0	5	102	7.0	31	470	22	38	2.6
5	0.70	14	825	56.5	14	6.60	21	435	29.8	23	63.0	1	97	6.6	32	600	14	16	1.0
6	0.90	86	811	55.5	15	8.50	25	414	28.3	24	81.0	1	96	6.6	33	770	2	2	.1
7	1.20	40	725	49.6	16	11.00	72	389	26.6	25	100.0	3	95	6.5	34				
8	1.50	66	685	46.9	17	14.00	35	317	21.7	26	130.0	2	92	6.3					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

NUMBER OF DAYS IN CLASS

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR																																				
1965		15	40	21	65	6	78	6	21	8	2	3	4	3	3	3	7	4	5	24	13	2			1	2	1	3	3	9	2	3	6	2		14448.8
1966	1	14	8	12	8	1	1		12	1		1		81	18	21	64	31	40	22	13	13	3													4546.1
1967		218	9	4	5	7	1	24	21	23	5	1				1			6	2	4	2	1	1				4	4	6	5	9	2			12636.5
1968		161	54		1		6	10	12	20	11	7	4	10			1		27	7			1			1	1	1	4	4	7	10	6			15916.2

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.107E 01	0.413E 00	0.742E 00	0.101E 01	0.116E 01	0.706E 00	0.153E 01	0.163E 02	0.389E 03	0.377E 02	0.122E 01	0.291E 02
1966	0.205E 02	0.133E 02	0.798E 01	0.560E 01	0.560E 01	0.118E 02	0.360E 02	0.948E 01	0.647E 00	0.165E 02	0.163E 02	0.516E 01
1967	0.200E 00	0.200E 00	0.200E 00	0.200E 00	0.200E 00	0.200E 00	0.200E 00	0.138E 02	0.343E 03	0.582E 02	0.143E 01	0.111E 01
1968	0.254E 00	0.284E 00	0.283E 00	0.250E 00	0.250E 00	0.215E 00	0.262E 00	0.370E 02	0.455E 03	0.952E 01	0.511E 01	0.207E 02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5518E 01	0.3551E 01	0.2302E 01	0.1764E 01	0.1802E 01	0.3242E 01	0.9506E 01	0.1914E 02	0.2967E 03	0.3049E 02	0.6004E 01	0.1401E 02
0.1006E 03	0.4231E 02	0.1440E 02	0.6676E 01	0.6605E 01	0.3295E 02	0.3131E 03	0.1497E 03	0.4107E 05	0.4858E 03	0.4992E 02	0.1720E 03
0.1003E 02	0.6504E 01	0.3795E 01	0.2584E 01	0.2570E 01	0.5740E 01	0.1770E 02	0.1223E 02	0.2027E 03	0.2204E 02	0.7066E 01	0.1312E 02
0.1991E 01	0.1999E 01	0.1977E 01	0.1883E 01	0.1833E 01	0.1990E 01	0.1993E 01	0.1681E 01	-0.1693E 01	0.6099E 00	0.1648E 01	0.2584E 00
0.1817E 01	0.1832E 01	0.1649E 01	0.1465E 01	0.1426E 01	0.1771E 01	0.1861E 01	0.6394E 00	0.6830E 00	0.7228E 00	0.1177E 01	0.9362E 00
0.1400E 01	0.9011E 00	0.5842E 00	0.4477E 00	0.4572E 00	0.8226E 00	0.2412E 01	0.4856E 01	0.7530E 02	0.7738E 01	0.1524E 01	0.3555E 01

09273000 Duchesne River at Provo River Trail, near Hanna, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	*	*	*	*	*	*	*	*	*	*	*
*	1.000	0.999	0.991	*	*	*	*	*	*	*	*
*	*	1.000	0.997	0.994	*	*	*	*	*	*	*
*	*	*	1.000	*	0.995	*	*	*	*	*	*
*	*	*	*	1.000	0.991	0.991	*	*	*	*	*
*	*	*	*	*	1.000	*	-0.539	*	*	*	*
*	*	*	*	*	*	1.000	-0.537	-0.974	*	*	*
*	*	*	*	*	*	*	1.000	0.695	-0.505	*	*
*	*	*	*	*	*	*	*	1.000	0.207	-0.891	*
*	*	*	*	*	*	*	*	*	1.000	-0.612	-0.307
*	*	*	*	*	*	*	*	*	*	1.000	-0.395
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.512
SEPT-OCT 0.991
SEPT-NOV 0.990

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.469	-0.492	-0.453	-0.383	-0.357	-0.467	-0.473	0.002	-0.384	-0.928	-0.701	-0.445

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09273500 Hades Creek near Hanna, Utah

LOCATION.--Lat 40°32'10", long 110°52'00", in SE¼ sec.26, T.2 N., R.9 W., Uintah meridian, on right bank 11 miles (18 km) northwest of Hanna, at mile 0.25 (0.40 km).

DRAINAGE AREA.--7.5 sq mi (19.4 km^2), approximately.

GAGE.--Digital water-stage recorder. Altitude of gage is 7,460 ft (2,274 m) from river-profile map. Prior to Sept. 11, 1967, graphic water-stage recorder at present site and datum.

EXTREMES.--Maximum discharge, 156 ft^3/s (4.42 m^3/s) June 20, 1968; maximum gage height recorded, 3.65 ft (1.113 m) Dec. 11, 1961 (backwater from ice); no flow at times in 1956, 1961.

REMARKS.--Two diversions about 2,000 ft (610 m) above station to irrigate about 60 acres (0.24 hm^2).

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1951	2.20 17	2.30 17	2.43 17	2.50 16	2.50 16	2.51 13	2.68 15	2.82 15	3.23 13	11.90 14
1952	0.80 12	1.30 14	2.40 16	2.60 18	3.03 18	3.34 18	3.40 17	3.43 16	3.48 15	11.80 15
1953	2.50 18	2.50 18	2.50 18	2.50 17	2.50 17	2.51 14	2.67 13	2.79 14	3.47 14	15.00 17
1954	0.20 5	0.27 5	0.29 5	0.29 4	0.42 5	0.91 6	1.46 6	1.63 6	1.73 5	7.06 7
1955	0.20 6	0.20 4	0.20 4	0.21 3	0.30 2	0.50 4	0.94 4	1.48 5	1.83 6	4.14 1
1956	1.10 14	1.13 13	1.20 13	1.41 13	1.80 13	2.00 11	2.03 10	2.23 10	2.37 10	6.55 6
1957	0.30 7	0.30 6	0.30 6	0.37 7	0.39 4	0.48 3	0.49 2	0.49 2	0.51 1	8.14 9
1958	0.70 10	0.70 10	0.70 10	0.73 9	1.00 9	1.57 9	1.61 7	1.74 7	2.03 8	10.10 12
1959	0.30 8	0.30 7	0.30 7	0.34 6	0.52 7	0.85 5	1.11 5	1.42 4	1.55 4	7.31 8
1960	0.10 2	0.13 3	0.17 3	0.20 2	0.48 6	1.01 7	1.67 9	1.94 9	2.08 9	6.05 5
1961	0.10 3	0.10 2	0.10 2	0.10 1	0.14 1	0.20 1	0.61 3	0.95 3	1.25 3	4.83 2
1962	0.00 1	0.00 1	0.00 1	1.19 12	1.51 12	3.11 16	3.29 16	3.63 17	5.12 17	5.28 3
1963	0.80 11	0.83 11	0.87 11	0.89 10	1.07 10	1.75 10	2.27 12	2.46 11	2.54 11	11.70 14
1964	2.00 16	2.00 16	2.00 15	2.00 15	2.00 14	2.10 12	2.26 11	2.53 12	3.51 16	8.34 10
1965	0.20 4	0.30 8	0.30 8	0.33 5	0.37 3	0.38 2	0.39 1	0.42 1	0.54 2	8.87 11
1966	0.50 9	0.57 9	0.59 9	0.59 8	0.97 8	3.25 17	3.78 18	4.31 18	5.85 18	16.40 18
1967	0.88 13	0.90 12	0.94 12	1.01 11	1.14 11	1.57 8	1.66 8	1.78 8	1.86 7	5.67 4
1968	1.20 15	1.37 15	1.50 14	1.91 14	2.35 15	2.64 15	2.68 14	2.76 13	2.87 12	10.80 13

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1950	68.0 11	65.7 11	65.1 8	63.4 6	58.5 5	46.9 4	36.0 4	29.1 5	20.5 5	11.4 6
1951	76.0 8	66.7 10	62.4 11	60.1 9	51.9 9	42.6 7	33.9 6	28.2 6	20.2 6	11.7 5
1952	101.0 2	95.7 2	94.0 2	87.2 1	71.5 1	52.6 2	43.7 2	36.8 2	26.4 2	14.9 1
1953	64.0 12	62.7 12	61.1 12	55.5 12	43.0 12	28.7 13	21.8 12	17.4 13	12.4 13	7.9 12
1954	29.0 18	28.0 18	26.4 17	25.1 17	20.8 18	13.9 18	10.7 18	8.7 18	6.4 18	4.0 18
1955	53.0 13	47.7 13	40.7 14	35.3 14	30.5 14	23.8 14	18.6 14	15.2 14	10.7 14	6.4 15
1956	69.0 10	67.7 9	65.7 7	61.7 8	53.4 8	37.8 10	28.4 10	22.7 10	15.9 10	9.1 10
1957	85.0 4	80.0 5	77.6 4	67.6 4	60.2 4	43.8 6	32.5 8	26.3 8	18.1 8	9.3 9
1958	71.0 9	70.0 8	62.6 10	59.3 10	49.6 11	33.6 11	24.4 11	19.0 11	13.0 12	7.5 14
1959	40.0 15	39.3 15	37.4 15	33.8 15	28.7 15	21.6 15	17.2 15	14.0 15	9.9 15	5.7 16
1960	37.0 16	35.7 16	31.3 16	26.8 16	23.4 16	18.0 17	13.9 17	11.8 17	8.5 17	5.2 17
1961	17.0 19	14.3 19	13.0 19	11.6 19	11.1 19	9.6 19	7.3 19	6.5 19	5.5 19	3.5 19
1962	78.0 7	74.3 6	68.7 6	62.9 7	54.4 7	40.3 8	35.1 5	29.5 4	20.7 4	12.9 3
1963	51.0 14	47.7 14	44.9 13	39.4 13	37.3 13	28.9 12	21.5 13	17.6 12	13.2 11	7.9 11
1964	81.0 6	74.3 7	63.6 9	57.0 11	49.7 10	40.3 9	31.1 9	24.7 9	17.2 9	10.3 7
1965	90.0 3	85.0 3	79.1 3	73.6 3	68.2 2	58.5 1	46.6 1	38.5 1	26.9 1	13.7 2
1966	31.0 17	29.0 17	25.1 18	22.5 18	21.8 17	18.2 16	15.0 16	12.7 16	9.6 16	7.6 13
1967	84.0 5	80.0 4	74.0 5	67.3 5	55.3 6	44.4 5	33.8 7	26.9 7	18.6 7	10.3 8
1968	122.0 1	113.0 1	95.7 1	81.1 2	65.6 3	49.2 3	37.9 3	30.9 3	21.8 3	12.3 4

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS					DAYS		
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	7	6940	100.0	9	1.30	284	6139	88.5	18	8.8	243	1695	24.4	27	60	109	159	2.2
1	0.10	21	6933	99.9	10	1.60	391	5855	84.4	19	11.0	247	1452	20.9	28	74	40	50	.7
2	0.20	59	6912	99.6	11	2.00	739	5464	78.7	20	14.0	178	1205	17.4	29	92	8	10	.1
3	0.30	65	6853	98.7	12	2.50	838	4725	68.1	21	17.0	153	1027	14.8	30	110	2	2	.0
4	0.40	282	6788	97.8	13	3.00	924	3887	56.0	22	21.0	175	874	12.6	31				
5	0.60	139	6506	93.7	14	3.80	368	2963	42.7	23	26.0	134	699	10.1	32				
6	0.70	44	6367	91.7	15	4.60	395	2595	37.4	24	32.0	147	565	8.1	33				
7	0.80	69	6323	91.1	16	5.80	268	2200	31.7	25	39.0	140	418	6.0	34				
8	1.00	115	6254	90.1	17	7.10	237	1932	27.8	26	49.0	119	278	4.0					

09273500 Hades Creek near Hanna, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1950					9	12					4	70	43	68	14	25	11	10	8	14	8	6	4	9	10	13	10	17							4172.6
1951								1		1	1		61	95	38	35	7	7	7	20	21	14	8	5	13	6	12	12	1							4277.3
1952												2	18	145	16	34	20	3	1	6	20	8	25	18	11	11	9	6	7	6						5465.4
1953							6	1	4	5		7	105	57	42	37	21	9	14	10	8	6	7	5	4	4	7	6								2878.2
1954			10	25	12	7	8	2	4	11	65	85	26	25	13	16	8	13	4	6	2	6	10	7												1457.8
1955			8	1	7	14	1		6	5	11	92	65	37	11	11	16	11	6	6	14	11	11	6	12	1	2									2332.0
1956					5	3	2	5	4	5	6	110	62	26	18	8	21	12	8	14	6	5	8	3	6	9	9	11								3322.1
1957				10	11	9	48	15	10	1	4	6		8	11	4	10	9	12	29	13	2	5	4	3	3	15	11	6	7						3410.7
1958						2	5	8	11	35	93	67	27	24	9	7	9	9	6	3	5	5	5	5	7	6	10	7									2739.0
1959		2	10	14	9	5		1	17	38	81	31	14	27	13	14	7	6	16	15	7	11	7	10	7	3										2049.5
1960		13	11	3	5	1	2	2	17	68	3	44	23	33	25	31	18	9	4	14	8	11	13	5	3											1909.5
1961		7	6	19	2		1	1	5	18	56	38	77	16	27	19	4	6	7	25	28	2	1													1281.6
1962									1	7	1	2	32	69	41	24	22	32	23	9	15	19	15	7	11	16	8	9	2							4710.4
1963								15	7		2	101	108	64	14	32	25	12	14	9	3	4	9	10	16	9	2									2888.9
1964												81	40	65	25	28	17	22	5	14	5	3	7	12	13	13	13	1	2							3783.2
1965				1	10	116	46	4	14	5	10	6	1		2	3	5	2	4	1	28	13	11	16	8	7	15	8	14	15							5017.3
1966										4	7	10	30	31	53	44	38	40	46	12	18	15	12	5												2784.5
1967								5	20	35	67	41	35	36	7	13	7	9	8	15	3	3	4	10	14	12	9	10	2							3755.8
1968												91	25	82	3	17	4	10	18	11	18	9	10	6	10	7	9	10	4	2	2					4507.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	0.105E+01	0.344E+01	0.300E+01	0.250E+01	0.209E+01	0.200E+01	0.614E+01	0.147E+02	0.582E+02	0.282E+02	0.684E+01	0.394E+01
1951	0.437E+01	0.365E+01	0.327E+01	0.301E+01	0.250E+01	0.250E+01	0.377E+01	0.225E+02	0.505E+02	0.236E+02	0.142E+02	0.646E+01
1952	0.329E+01	0.350E+01	0.359E+01	0.350E+01	0.350E+01	0.350E+01	0.950E+01	0.320E+02	0.704E+02	0.282E+02	0.127E+02	0.566E+01
1953	0.542E+01	0.409E+01	0.317E+01	0.300E+01	0.250E+01	0.250E+01	0.316E+01	0.425E+01	0.396E+02	0.176E+02	0.747E+01	0.187E+01
1954	0.445E+00	0.240E+01	0.222E+01	0.200E+01	0.190E+01	0.190E+01	0.247E+01	0.135E+02	0.829E+01	0.469E+01	0.234E+01	0.533E+00
1955	0.465E+00	0.296E+01	0.265E+01	0.250E+01	0.200E+01	0.200E+01	0.214E+01	0.158E+02	0.277E+02	0.105E+02	0.494E+01	0.196E+01
1956	0.296E+01	0.260E+01	0.282E+01	0.200E+01	0.200E+01	0.210E+01	0.392E+01	0.262E+02	0.461E+02	0.122E+02	0.496E+01	0.110E+01
1957	0.413E+00	0.540E+00	0.523E+00	0.500E+00	0.500E+00	0.600E+00	0.100E+01	0.594E+01	0.583E+02	0.285E+02	0.982E+01	0.545E+01
1958	0.280E+01	0.237E+01	0.215E+01	0.170E+01	0.160E+01	0.154E+01	0.275E+01	0.247E+02	0.388E+02	0.874E+01	0.181E+01	0.987E+00
1959	0.723E+00	0.229E+01	0.197E+01	0.180E+01	0.160E+01	0.150E+01	0.333E+01	0.949E+01	0.286E+02	0.122E+02	0.470E+01	0.520E+00
1960	0.142E+01	0.417E+01	0.261E+01	0.174E+01	0.150E+01	0.200E+01	0.493E+01	0.106E+02	0.231E+02	0.784E+01	0.214E+01	0.187E+00
1961	0.284E+00	0.190E+01	0.186E+01	0.200E+01	0.150E+01	0.168E+01	0.151E+01	0.516E+01	0.105E+02	0.570E+01	0.275E+01	0.729E+01
1962	0.895E+01	0.692E+01	0.468E+01	0.366E+01	0.359E+01	0.266E+01	0.881E+01	0.251E+02	0.479E+02	0.305E+02	0.799E+01	0.273E+01
1963	0.138E+01	0.291E+01	0.318E+01	0.286E+01	0.277E+01	0.268E+01	0.275E+01	0.146E+02	0.360E+02	0.128E+02	0.559E+01	0.747E+01
1964	0.645E+01	0.437E+01	0.335E+01	0.261E+01	0.220E+01	0.200E+01	0.248E+01	0.157E+02	0.491E+02	0.239E+02	0.777E+01	0.322E+01
1965	0.906E+00	0.523E+00	0.374E+00	0.400E+00	0.400E+00	0.552E+00	0.973E+00	0.132E+02	0.615E+02	0.544E+02	0.189E+02	0.121E+02
1966	0.971E+01	0.781E+01	0.593E+01	0.481E+01	0.356E+01	0.296E+01	0.528E+01	0.206E+02	0.152E+02	0.846E+01	0.465E+01	0.219E+01
1967	0.115E+01	0.312E+01	0.185E+01	0.161E+01	0.152E+01	0.216E+01	0.278E+01	0.127E+02	0.503E+02	0.321E+02	0.945E+01	0.450E+01
1968	0.272E+01	0.344E+01	0.301E+01	0.274E+01	0.264E+01	0.266E+01	0.301E+01	0.635E+01	0.645E+02	0.332E+02	0.147E+02	0.917E+01

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OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.2916E 01	0.3319E 01	0.2748E 01	0.2365E 01	0.2098E 01	0.2078E 01	0.3722E 01	0.1611E 02	0.4130E 02	0.2018E 02	0.7569E 01	0.4072E 01
0.8200E 01	0.3154E 01	0.1619E 01	0.1095E 01	0.8024E 00	0.5308E 00	0.5461E 01	0.6458E 02	0.3387E 03	0.1648E 03	0.2256E 02	0.1093E 02
0.2864E 01	0.1776E 01	0.1272E 01	0.1046E 01	0.8958E 00	0.7286E 00	0.2337E 01	0.8036E 01	0.1841E 02	0.1284E 02	0.4750E 01	0.3305E 01
0.1312E 01	0.9971E 00	0.4219E 00	0.1911E 00	-0.7209E-02	-0.4641E 00	0.1372E 01	0.1942E 00	-0.3588E 00	0.9615E 00	0.9092E 00	0.8754E 00
0.9821E 00	0.5351E 00	0.4630E 00	0.4424E 00	0.4270E 00	0.3506E 00	0.6279E 00	0.4990E 00	0.4457E 00	0.6363E 00	0.6275E 00	0.8117E 00
0.2688E 01	0.3060E 01	0.2533E 01	0.2181E 01	0.1934E 01	0.1916E 01	0.3431E 01	0.1485E 02	0.3807E 02	0.1860E 02	0.6978E 01	0.3754E 01

09273500 Hades Creek near Hanna, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.874	0.824	*	*	*	*	*	*	*	*	*
*	1.000	0.943	0.873	*	*	*	*	*	*	*	*
*	*	1.000	0.969	0.930	*	*	*	*	*	*	*
*	*	*	1.000	0.962	0.887	*	*	*	*	*	*
*	*	*	*	1.000	0.936	0.737	*	*	*	*	*
*	*	*	*	*	1.000	0.694	0.437	*	*	*	*
*	*	*	*	*	*	1.000	0.656	0.244	*	*	*
*	*	*	*	*	*	*	1.000	0.202	-0.011	*	*
*	*	*	*	*	*	*	*	1.000	0.822	0.784	*
*	*	*	*	*	*	*	*	*	1.000	0.899	0.691
*	*	*	*	*	*	*	*	*	*	1.000	0.774
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.483
SEPT-OCT 0.897
SEPT-NOV 0.749

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.406	-0.354	-0.346	-0.155	-0.050	0.130	-0.187	-0.320	0.173	-0.003	0.167	-0.038

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09274000 Duchesne River near Hanna, Utah

LOCATION.--Lat 40°32'00", long 110°52'00", in NE¼ sec.35, T.2 N., R.9 W., Uintah meridian, on right bank 100 ft (30 m) downstream from Hades Creek and 11 miles (18 km) northwest of Hanna.

DRAINAGE AREA.--78 sq mi (202 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,380 ft (2,249 m) from river-profile map. Prior to Mar. 28, 1946, staff gage at site 150 ft (45.7 m) downstream at different datum. Mar. 28, 1946, to Sept. 9, 1953, water-stage recorder at site 150 ft (45.7 m) downstream at datum 0.42 ft (0.128 m) lower.

EXTREMES.--Maximum discharge, about 17,500 ft^3/s (496 m^3/s) June 16, 1963 (gage height, 12.38 ft or 3.773 m, from floodmarks), result of slope-area measurement of peak flow, caused by failure of Little Deer Creek Dam 8 miles (13 km) upstream; minimum recorded, 4.6 ft^3/s (0.130 m^3/s) Nov. 14, 1956, Mar. 1, 1961.

REMARKS.--Diversions for irrigation of about 60 acres (24.2 hm^2) above station. Water is also diverted above station through Duchesne tunnel (capacity about 600 ft^3/s or 17.0 m^3/s) to Provo River for use in The Great Basin; diversion began Oct. 20, 1953 (see sta 09272500).

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1948	16.00	16	16.00	15	16.00	15	16.00	15	16.00	15	16.00	15	16.30	14	16.60	14	18.10	13	117.00	12
1949	13.00	11	13.00	11	13.00	11	13.00	11	13.00	11	13.70	11	14.10	11	14.70	11	15.00	10	76.70	9
1950	15.00	12	15.00	12	15.00	12	15.00	12	15.10	14	15.60	14	16.40	15	16.90	15	18.70	14	120.00	13
1951	15.00	13	17.30	16	18.90	16	20.00	16	20.30	16	20.60	16	20.80	16	21.30	16	22.10	16	124.00	15
1952	15.00	14	15.00	13	15.00	13	15.00	13	15.00	12	15.00	12	15.30	12	16.00	13	19.20	15	124.00	14
1953	15.00	15	15.00	14	15.00	14	15.00	14	15.00	13	15.20	13	15.50	13	15.80	12	17.70	12	148.00	16
1954	6.40	7	6.60	7	6.76	7	6.89	7	7.02	8	7.14	8	7.30	7	7.57	7	9.02	7	81.10	11
1955	5.50	3	5.50	3	5.50	3	5.50	3	5.50	3	5.51	3	5.74	3	6.00	2	6.70	1	21.20	1
1956	6.80	8	6.80	8	6.97	8	7.00	8	7.00	7	7.10	7	7.58	8	7.81	8	8.56	6	33.60	5
1957	6.00	4	6.00	4	6.00	4	6.00	4	6.00	4	6.03	4	6.24	4	6.41	4	7.08	2	66.70	8
1958	6.00	5	6.00	5	6.00	5	6.00	5	6.33	6	6.68	6	6.99	6	7.52	6	9.17	8	77.50	10
1959	5.00	2	5.00	2	5.00	2	5.00	2	5.03	2	5.33	2	5.70	2	6.32	3	7.40	3	65.30	7
1960	7.00	9	7.00	9	7.00	9	7.00	9	7.07	9	7.28	9	7.66	9	8.55	9	11.20	9	31.10	4
1961	4.50	1	4.50	1	4.50	1	4.64	1	4.83	1	5.15	1	5.50	1	5.91	1	7.78	4	30.30	3
1962	8.00	10	9.00	10	9.30	10	10.00	10	11.30	10	12.10	10	12.50	10	13.10	10	16.60	11	28.40	2
1963	6.00	6	6.00	6	6.00	6	6.00	6	6.09	5	6.13	5	6.36	5	6.86	5	8.15	5	52.60	6

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1947	778.0	10	732.0	10	694.0	10	615.0	10	572.0	8	510.0	5	391.0	5	311.0	5	217.0	5	119.0	4
1948	856.0	9	841.0	9	792.0	9	736.0	9	571.0	9	350.0	8	254.0	8	199.0	8	137.0	8	77.6	7
1949	1050.0	7	1010.0	6	981.0	6	869.0	3	668.0	4	515.0	4	404.0	3	321.0	4	221.0	4	118.0	5
1950	1060.0	6	983.0	7	942.0	7	861.0	5	813.0	1	581.0	2	432.0	2	343.0	2	236.0	2	128.0	2
1951	1180.0	4	1140.0	4	1020.0	5	741.0	8	716.0	3	533.0	3	399.0	4	324.0	3	228.0	3	125.0	3
1952	1230.0	3	1200.0	2	1160.0	1	1040.0	1	804.0	2	646.0	1	505.0	1	401.0	1	278.0	1	149.0	1
1953	1260.0	2	1170.0	3	1040.0	3	818.0	6	580.0	6	366.0	7	272.0	7	221.0	6	153.0	6	85.5	6
1954	201.0	14	173.0	15	152.0	15	145.0	15	111.0	16	77.0	16	60.1	16	49.4	17	35.7	17	22.4	17
1955	469.0	12	446.0	11	342.0	11	230.0	12	188.0	13	140.0	13	104.0	13	83.3	13	58.5	13	32.7	13
1956	970.0	8	932.0	8	855.0	8	753.0	7	543.0	10	327.0	10	238.0	9	185.0	9	126.0	9	67.3	9
1957	1270.0	1	1230.0	1	1090.0	2	863.0	4	652.0	5	377.0	6	273.0	6	213.0	7	145.0	7	76.5	8
1958	1120.0	5	1090.0	5	1030.0	4	888.0	2	573.0	7	332.0	9	235.0	10	181.0	10	123.0	10	66.1	10
1959	184.0	15	178.0	14	169.0	14	154.0	14	127.0	15	104.0	14	82.2	14	68.0	15	50.9	15	29.2	15
1960	172.0	16	164.0	16	149.0	16	133.0	16	131.0	14	101.0	15	80.5	15	69.5	14	53.0	14	32.0	14
1961	163.0	17	147.0	17	123.0	17	109.0	17	86.2	17	71.1	17	58.3	17	50.3	16	40.1	16	24.0	16
1962	330.0	13	325.0	13	297.0	12	239.0	11	195.0	12	190.0	11	168.0	11	138.0	11	96.8	11	56.7	11
1963	630.0	11	342.0	12	254.0	13	219.0	13	213.0	11	150.0	12	114.0	12	94.7	12	71.9	12	40.1	12

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	6209	100.0	9	18.00	440	3372	54.3	18	82.0	124	1123	18.1	27	380	59	333	5.3
1	4.50	72	6209	100.0	10	21.00	465	2932	47.2	19	97.0	186	999	16.1	28	450	61	274	4.4
2	5.30	307	6137	98.8	11	25.00	289	2467	39.7	20	120.0	109	813	13.1	29	540	57	213	3.4
3	6.30	407	5830	93.9	12	29.00	253	2178	35.1	21	140.0	79	704	11.3	30	640	51	156	2.5
4	7.50	433	5423	87.3	13	35.00	214	1925	31.0	22	160.0	79	625	10.1	31	750	45	105	1.6
5	8.90	329	4990	80.4	14	41.00	181	1711	27.6	23	190.0	72	546	8.8	32	900	43	60	.9
6	11.00	255	4661	75.1	15	49.00	143	1530	24.6	24	230.0	43	474	7.6	33	1100	17	17	.2
7	13.00	219	4406	71.0	16	58.00	132	1387	22.3	25	270.0	46	431	6.9	34	1300			
8	15.00	815	4187	67.4	17	69.00	132	1255	20.2	26	320.0	52	385	6.2					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09274000 Duchesne River near Hanna, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1947									77	45	46	9	25	28	7	8	6	19	8	9	4	3	3	4	4	3	11	7	14	13	9	3			43339.0
1948									7135	45	50	14	10	10	10	8	9	7	10	6	4	4	4	3	2	2	3	3	3	2	9	6			28415.6
1949									55100	19	24	22	10	6	5	14	7	4	6	5	5	3	6	10	8	10	9	9	7	6	4	2	9		43206.0
1950									59	77	38	23	24	13	12	7	7	7	10	10	7	4	6	6	4	7	3	3	5	7	8	7	11		46637.0
1951									2	35	119	39	14	6	3	11	8	9	15	23	9	9	5	8	2	3	3	8	9	8	3	7	4	3	45733.0
1952									94	43	15	10	26	13	31	6	11	8	7	13	4	3	4	4	4	6	7	16	9	10	5	6	5	6	54386.0
1953									138	45	28	20	5	7	7	4	14	14	14	19	6	4	3	3	5	4	6	4	2	3	1	2	5	2	31190.0
1954					61	89	46	27	7	34	10	11	13	9	12	7	10	4	4	3	4	8	2	3	1										8164.5
1955				85	56	51	22	10	8	20	9	11	11	11	5	7	3	4	4	8	11	8	10	3	1	2	1	1	1	2					11927.1
1956					83	57	44	23	5	21	12	7	8	14	3	8	6	8	8	10	9	5	4	3		1	4	3	3	2	2	7	4	2		24629.1
1957				61	59	43	17	11	18	5	11	11	20	10	9	5	7	13	11	6	9	5	2	2		1	2	2	3	6	5	1	4	2	4	27919.6
1958				20	40	47	52	40	35	19	6	5	11	10	7	6	8	5	4	5	14	4	2	1	1	3	1		2	2		4	4	5	2	24139.8
1959			29	44	24	42	38	19	8	7	19	18	19	18	10	7	8	5	10	10	12	8	6	5											10663.1
1960					26	58	20	12	20	41	30	20	22	19	28	24	6	3	6	5	14	14	5	2											11714.4
1961			44	39	30	19	46	13	20	6	3	17	18	27	11	14	20	16	6	5	8	1	1	1											8754.1
1962								75	28	48	24	39	30	7	4	6	6	5	4	2	17	13	10	20	15	6	3	3							20707.0
1963				58	28	27	44	25	8	9	7	6		23	42	22	11	7	7		3	4	7	8	16	1		1			1				14654.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	0.214E+02	0.206E+02	0.175E+02	0.160E+02	0.160E+02	0.170E+02	0.370E+02	0.402E+03	0.285E+03	0.537E+02	0.273E+02	0.157E+02
1949	0.152E+02	0.165E+02	0.150E+02	0.135E+02	0.139E+02	0.211E+02	0.979E+02	0.367E+03	0.639E+03	0.160E+03	0.395E+02	0.210E+02
1950	0.230E+02	0.217E+02	0.184E+02	0.160E+02	0.150E+02	0.180E+02	0.953E+02	0.318E+03	0.766E+03	0.172E+03	0.410E+02	0.311E+02
1951	0.224E+02	0.246E+02	0.230E+02	0.204E+02	0.210E+02	0.210E+02	0.748E+02	0.393E+03	0.609E+03	0.181E+03	0.795E+02	0.322E+02
1952	0.302E+02	0.207E+02	0.180E+02	0.160E+02	0.150E+02	0.150E+02	0.950E+02	0.542E+03	0.742E+03	0.174E+03	0.756E+02	0.401E+02
1953	0.236E+02	0.180E+02	0.170E+02	0.160E+02	0.150E+02	0.162E+02	0.408E+02	0.115E+03	0.578E+03	0.114E+03	0.534E+02	0.214E+02
1954	0.139E+02	0.958E+01	0.837E+01	0.737E+01	0.718E+01	0.733E+01	0.278E+02	0.107E+03	0.384E+02	0.199E+02	0.112E+02	0.858E+01
1955	0.812E+01	0.800E+01	0.676E+01	0.621E+01	0.550E+01	0.550E+01	0.124E+02	0.156E+03	0.118E+03	0.345E+02	0.184E+02	0.110E+02
1956	0.105E+02	0.847E+01	0.915E+01	0.733E+01	0.700E+01	0.952E+01	0.480E+02	0.262E+03	0.383E+03	0.384E+02	0.171E+02	0.907E+01
1957	0.881E+01	0.721E+01	0.665E+01	0.606E+01	0.600E+01	0.790E+01	0.171E+02	0.760E+02	0.643E+03	0.959E+02	0.309E+02	0.176E+02
1958	0.137E+02	0.109E+02	0.913E+01	0.763E+01	0.700E+01	0.635E+01	0.240E+02	0.410E+03	0.241E+03	0.335E+02	0.144E+02	0.104E+02
1959	0.917E+01	0.983E+01	0.771E+01	0.601E+01	0.527E+01	0.623E+01	0.236E+02	0.789E+02	0.124E+03	0.386E+02	0.257E+02	0.145E+02
1960	0.159E+02	0.152E+02	0.966E+01	0.786E+01	0.734E+01	0.121E+02	0.372E+02	0.993E+02	0.994E+02	0.380E+02	0.233E+02	0.187E+02
1961	0.132E+02	0.944E+01	0.716E+01	0.600E+01	0.500E+01	0.548E+01	0.121E+02	0.540E+02	0.846E+02	0.354E+02	0.272E+02	0.275E+02
1962	0.262E+02	0.202E+02	0.151E+02	0.123E+02	0.126E+02	0.126E+02	0.858E+02	0.183E+03	0.193E+03	0.793E+02	0.250E+02	0.140E+02
1963	0.113E+02	0.961E+01	0.779E+01	0.640E+01	0.624E+01	0.803E+01	0.163E+02	0.125E+03	0.170E+03	0.413E+02	0.384E+02	0.400E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT

BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)

0.1666E+02	0.1440E+02	0.1227E+02	0.1069E+02	0.1032E+02	0.1183E+02	0.4657E+02	0.2305E+03	0.3573E+03	0.8185E+02	0.3424E+02	0.2081E+02
0.4721E+02	0.3456E+02	0.2806E+02	0.2403E+02	0.2557E+02	0.3080E+02	0.1029E+04	0.2365E+05	0.6830E+05	0.3500E+04	0.4046E+03	0.1092E+03
0.6871E+01	0.5879E+01	0.5297E+01	0.4902E+01	0.5057E+01	0.5550E+01	0.3208E+02	0.1538E+03	0.2614E+03	0.5916E+02	0.2011E+02	0.1045E+02
0.5270E+00	0.3198E+00	0.5824E+00	0.6071E+00	0.6476E+00	0.4428E+00	0.6494E+00	0.5984E+00	0.3801E+00	0.7762E+00	0.1295E+01	0.7246E+00
0.4124E+00	0.4081E+00	0.4315E+00	0.4587E+00	0.4900E+00	0.4692E+00	0.6888E+00	0.6673E+00	0.7315E+00	0.7228E+00	0.5874E+00	0.5022E+00
0.1966E+01	0.1700E+01	0.1449E+01	0.1261E+01	0.1218E+01	0.1396E+01	0.5496E+01	0.2720E+02	0.4216E+02	0.9658E+01	0.4041E+01	0.2456E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.899	0.855	*	*	*	*	*	*	*	*	*
*	1.000	0.966	0.947	*	*	*	*	*	*	*	*
*	*	1.000	0.995	0.991	*	*	*	*	*	*	*
*	*	*	1.000	0.994	0.915	*	*	*	*	*	*
*	*	*	*	1.000	0.929	0.749	*	*	*	*	*
*	*	*	*	*	1.000	0.802	0.590	*	*	*	*
*	*	*	*	*	*	1.000	0.641	0.671	*	*	*
*	*	*	*	*	*	*	1.000	0.555	0.577	*	*
*	*	*	*	*	*	*	*	1.000	0.906	0.707	*
*	*	*	*	*	*	*	*	*	1.000	0.840	0.593
*	*	*	*	*	*	*	*	*	*	1.000	0.779
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.759
SEPT-OCT 0.873
SEPT-NOV 0.755

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.392	0.542	0.642	0.687	0.648	0.638	0.289	0.249	0.584	0.459	0.606	0.382

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09274001 Combined flow of Duchesne River and Duchesne tunnel

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1948	16.00	16	16.00	13	16.00	13	16.00	13	16.00	12	16.00	11	16.30	10	16.60	10	18.10	9	117.00	10
1949	13.00	6	13.00	6	13.00	6	13.00	6	13.00	6	13.70	6	14.10	6	14.70	6	15.00	5	76.70	4
1950	15.00	10	15.00	10	15.00	10	15.00	9	15.10	10	15.60	10	16.40	11	16.90	11	18.70	10	120.00	11
1951	15.00	11	17.30	16	18.90	16	20.00	15	20.30	15	20.60	15	20.80	15	21.30	15	22.10	14	129.00	15
1952	15.00	12	15.00	11	15.00	11	15.00	10	15.00	8	15.00	8	15.30	8	16.00	9	19.20	11	124.00	14
1953	15.00	13	15.00	12	15.00	12	15.00	11	15.00	9	15.20	9	15.50	9	15.80	8	17.70	8	148.00	16
1954	13.40	7	13.60	7	13.80	7	13.90	7	14.00	7	14.10	7	14.30	7	14.70	7	15.70	6	84.50	7
1955	11.80	3	11.80	3	12.00	4	12.00	4	12.00	3	12.00	3	12.20	3	12.40	2	13.40	1	60.30	2
1956	14.50	8	14.50	8	14.50	8	14.50	8	16.80	14	17.70	14	18.30	14	18.70	14	19.30	12	79.70	5
1957	12.30	5	12.40	5	12.50	5	12.50	5	12.60	5	12.80	5	13.10	5	13.30	5	14.10	2	109.00	9
1958	15.00	9	15.00	9	15.00	9	15.20	12	15.60	11	16.30	12	16.80	12	17.30	12	19.50	13	120.00	12
1959	11.80	4	11.80	4	11.80	3	11.90	3	12.00	4	12.20	4	12.50	4	13.10	4	14.20	3	94.90	8
1960	16.00	14	16.10	14	16.10	14	16.10	14	16.30	13	16.60	13	16.80	13	18.30	13	25.20	15	82.60	6
1961	10.70	2	10.70	2	10.70	2	10.70	2	10.80	2	11.30	2	11.80	2	12.90	3	15.70	7	75.00	3
1962	16.00	15	17.30	15	17.80	15	20.60	16	25.80	16	26.60	16	27.20	16	28.80	16	38.20	16	60.00	1
1963	8.50	1	8.50	1	8.80	1	9.14	1	9.63	1	11.00	1	11.20	1	12.00	1	14.40	4	123.00	13

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1947	778.0	13	732.0	14	694.0	11	615.0	11	572.0	10	510.0	7	391.0	7	311.0	7	217.0	7	119.0	5
1948	856.0	10	841.0	9	792.0	9	736.0	9	571.0	11	350.0	13	254.0	13	199.0	13	137.0	14	77.6	13
1949	1050.0	8	1010.0	7	981.0	6	869.0	5	668.0	7	515.0	5	404.0	5	321.0	6	221.0	6	118.0	6
1950	1060.0	7	983.0	8	942.0	8	861.0	6	813.0	2	581.0	2	432.0	2	343.0	2	236.0	2	128.0	3
1951	1180.0	4	1140.0	4	1020.0	5	741.0	8	716.0	5	533.0	4	399.0	6	324.0	4	228.0	4	125.0	4
1952	1230.0	3	1200.0	2	1160.0	2	1040.0	1	804.0	3	646.0	1	505.0	1	401.0	1	278.0	1	149.0	1
1953	1260.0	2	1170.0	3	1040.0	3	818.0	7	580.0	9	366.0	11	272.0	11	221.0	11	153.0	11	85.5	11
1954	627.0	16	618.0	16	580.0	16	523.0	14	388.0	16	255.0	16	192.0	16	153.0	16	107.0	16	61.4	16
1955	794.0	12	740.0	12	628.0	14	483.0	16	473.0	13	351.0	12	256.0	12	202.0	12	140.0	12	77.0	15
1956	1100.0	6	1060.0	6	955.0	7	889.0	4	772.0	4	512.0	6	379.0	8	297.0	8	204.0	8	111.0	8
1957	1380.0	1	1330.0	1	1190.0	1	980.0	2	823.0	1	538.0	3	407.0	4	321.0	5	221.0	5	118.0	7
1958	1120.0	5	1090.0	5	1030.0	4	889.0	3	700.0	6	456.0	9	328.0	9	256.0	9	175.0	9	97.5	9
1959	773.0	14	736.0	13	682.0	12	605.0	13	450.0	14	333.0	14	250.0	14	198.0	14	140.0	13	77.2	14
1960	711.0	15	684.0	15	604.0	15	506.0	15	446.0	15	315.0	15	239.0	15	193.0	15	135.0	15	79.7	12
1961	390.0	17	376.0	17	340.0	17	293.0	17	234.0	17	168.0	17	125.0	17	101.0	17	81.9	17	48.9	17
1962	834.0	11	802.0	10	740.0	10	705.0	10	605.0	8	507.0	8	420.0	3	337.0	3	232.0	3	135.0	2
1963	978.0	9	762.0	11	635.0	13	614.0	12	571.0	12	403.0	10	293.0	10	231.0	10	166.0	10	90.5	10

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT³/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT³/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT³/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT³/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	0	6209	100.0	9	29.00	290	2693	43.4	18	110.0	102	1177	19.0	27	450	77	421	6.7
1	8.50	20	6209	100.0	10	34.00	167	2403	38.7	19	130.0	78	1075	17.3	28	520	99	344	5.5
2	9.90	106	6189	99.7	11	39.00	205	2236	36.0	20	150.0	92	997	16.1	29	610	82	245	3.9
3	12.00	250	6083	98.0	12	45.00	189	2031	32.7	21	180.0	76	905	14.6	30	710	66	163	2.6
4	13.00	780	5833	93.9	13	53.00	152	1842	29.7	22	210.0	68	829	13.4	31	820	43	97	1.5
5	16.00	789	5053	81.4	14	62.00	144	1690	27.2	23	240.0	83	761	12.3	32	960	36	54	.8
6	18.00	680	4264	68.7	15	72.00	144	1546	24.9	24	280.0	96	678	10.9	33	1100	16	18	.2
7	21.00	545	3584	57.7	16	84.00	122	1402	22.6	25	330.0	76	582	9.4	34	1300	2	2	.0
8	25.00	346	3039	48.9	17	98.00	103	1280	20.6	26	380.0	85	506	8.1					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT³/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1947					77	45	46	9	23	25	8	5	8	13	13	8	6	2	5	3	3	3	4	5	8	7	10	13	10	6							43339.0
1948					14	128	45	50	14	10	5	8	11	5	9	8	8	4	5	2	6	2	3	1	3	2	3	2	2	10	3	3					28415.0
1949					122	33	19	24	22	9	5	5	8	10	6	4	5	5	3	4	3	11	5	8	10	7	9	5	7	4	2	5	5				43206.0
1950					28	31	77	38	23	21	12	10	9	7	4	7	10	5	9	4	7	3	6	5	6	2	3	4	6	8	6	5	9				46637.0
1951					1	1	35	119	39	14	5	3	5	9	9	10	13	18	8	6	11	6	4	2	2	3	8	7	10	3	2	5	4	3			45733.0
1952					61	33	43	15	10	23	11	33	3	8	9	12	4	7	7	4	4	4	2	5	5	6	16	6	10	5	4	6	4	6			54386.0
1953					57	81	45	28	20	5	5	7	6	4	11	17	10	14	8	6	4	2	2	5	5	4	4	2	3	1	2	2	3	2			31190.0
1954					112	68	46	18	7	7	6	7	11	8	6	4	7	6	15	4	4	4	3	3	2	1	4	4	6	2							22422.2
1955			4	91	90	11	12	16	8	12	12	10	13	13	5	3	4	4	2	3	2	3	4	8	8	4	7	5	5	3	3						28097.5
1956					15	39	123	40	4	17	7	4	12	12	4	5	5	3	6	4	12	4	4	4	6	5	2	1	4	2	11	7	3	1			40709.4
1957				42	121	13	15	8	16	13	10	4	12	7	7	8	3	4	8	8	11	4	4	6	5	2	1	3	6	6	5	6	3	2	2		42939.1
1958					11	87	63	50	33	11	6	4	8	14	5	3	6	5	2	4	2	4	6	7	7	2	2	2	2	1	9	3	4	2			35599.4
1959			9	61	78	31	15	7	7	20	17	17	9	9	6	7	7	1	5	5	2	9	8	6	6	6	2	2	6	5	2						28182.3
1960					3	100	29	26	19	26	16	22	18	9	9	15	14	6	5	3	3	2	2	4	7	9	6	5	5	2	1						29156.4
1961				59	20	35	29	24	41	25	21	9	10	14	5	7	3	11	7	8	7	7	8	3	2	7	2	1									17832.9
1962						18	6	79	47	16	31	21	9	18	14	6	3	4	3	6	4	7	12	10	9	4	12	7	8	10	1						49204.9
1963			20	34	36	32	27	26	13	11	11		22	24	15	16	11	1	5	5	6	5	3	2	1	2	4	6	7	7	12			1			33028.8

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09274001 Combined flow of Duchesne River and Duchesne tunnel--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	0.237E+02	0.209E+02	0.181E+02	0.160E+02	0.170E+02	0.269E+02	0.618E+02	0.528E+03	0.478E+03	0.145E+03	0.546E+02	0.280E+02
1948	0.214E+02	0.205E+02	0.175E+02	0.160E+02	0.160E+02	0.170E+02	0.370E+02	0.402E+03	0.285E+03	0.537E+02	0.273E+02	0.157E+02
1949	0.152E+02	0.165E+02	0.150E+02	0.135E+02	0.139E+02	0.211E+02	0.979E+02	0.367E+03	0.639E+03	0.160E+03	0.395E+02	0.210E+02
1950	0.230E+02	0.217E+02	0.184E+02	0.160E+02	0.150E+02	0.180E+02	0.953E+02	0.318E+03	0.766E+03	0.172E+03	0.410E+02	0.311E+02
1951	0.224E+02	0.244E+02	0.230E+02	0.204E+02	0.210E+02	0.210E+02	0.748E+02	0.393E+03	0.609E+03	0.181E+03	0.795E+02	0.322E+02
1952	0.302E+02	0.207E+02	0.180E+02	0.160E+02	0.150E+02	0.150E+02	0.950E+02	0.542E+03	0.742E+03	0.174E+03	0.756E+02	0.401E+02
1953	0.236E+02	0.180E+02	0.170E+02	0.160E+02	0.150E+02	0.162E+02	0.408E+02	0.115E+03	0.578E+03	0.114E+03	0.534E+02	0.214E+02
1954	0.175E+02	0.179E+02	0.159E+02	0.144E+02	0.142E+02	0.143E+02	0.586E+02	0.370E+03	0.122E+03	0.468E+02	0.223E+02	0.179E+02
1955	0.150E+02	0.157E+02	0.130E+02	0.127E+02	0.120E+02	0.120E+02	0.209E+02	0.338E+03	0.351E+03	0.687E+02	0.384E+02	0.244E+02
1956	0.206E+02	0.190E+02	0.205E+02	0.187E+02	0.182E+02	0.185E+02	0.843E+02	0.504E+03	0.506E+03	0.773E+02	0.313E+02	0.167E+02
1957	0.161E+02	0.142E+02	0.136E+02	0.130E+02	0.126E+02	0.156E+02	0.281E+02	0.174E+03	0.817E+03	0.222E+03	0.601E+02	0.289E+02
1958	0.251E+02	0.222E+02	0.191E+02	0.176E+02	0.170E+02	0.156E+02	0.439E+02	0.496E+03	0.401E+03	0.621E+02	0.263E+02	0.201E+02
1959	0.157E+02	0.167E+02	0.144E+02	0.127E+02	0.121E+02	0.132E+02	0.442E+02	0.209E+03	0.442E+03	0.869E+02	0.354E+02	0.259E+02
1960	0.406E+02	0.345E+02	0.195E+02	0.165E+02	0.168E+02	0.236E+02	0.832E+02	0.296E+03	0.324E+03	0.585E+02	0.241E+02	0.197E+02
1961	0.223E+02	0.198E+02	0.162E+02	0.121E+02	0.109E+02	0.124E+02	0.261E+02	0.203E+03	0.128E+03	0.363E+02	0.282E+02	0.693E+02
1962	0.677E+02	0.439E+02	0.336E+02	0.278E+02	0.278E+02	0.262E+02	0.167E+03	0.393E+03	0.604E+03	0.161E+03	0.428E+02	0.215E+02
1963	0.212E+02	0.163E+02	0.132E+02	0.971E+01	0.124E+02	0.138E+02	0.267E+02	0.332E+03	0.456E+03	0.798E+02	0.449E+02	0.583E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2478E+02	0.2135E+02	0.1800E+02	0.1583E+02	0.1570E+02	0.1768E+02	0.6383E+02	0.3517E+03	0.4852E+03	0.1117E+03	0.4262E+02	0.2896E+02
0.1613E+03	0.5505E+02	0.2365E+02	0.1638E+02	0.1638E+02	0.2126E+02	0.1412E+04	0.1582E+05	0.4199E+05	0.3346E+04	0.2933E+03	0.2152E+03
0.1270E+02	0.7420E+01	0.4864E+01	0.4047E+01	0.4048E+01	0.4611E+01	0.3758E+02	0.1258E+03	0.2049E+03	0.5785E+02	0.1713E+02	0.1467E+02
0.2741E+01	0.2225E+01	0.2195E+01	0.1551E+01	0.1763E+01	0.8159E+00	0.1237E+01	-0.2171E+00	-0.2081E+00	0.3845E+00	0.9381E+00	0.1881E+01
0.5126E+00	0.3475E+00	0.2702E+00	0.2557E+00	0.2578E+00	0.2608E+00	0.5886E+00	0.3577E+00	0.4223E+00	0.5179E+00	0.4018E+00	0.5065E+00
0.2069E+01	0.1783E+01	0.1503E+01	0.1322E+01	0.1311E+01	0.1476E+01	0.5331E+01	0.2937E+02	0.4053E+02	0.9328E+01	0.3560E+01	0.2419E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.953	0.871	*	*	*	*	*	*	*	*	*
*	1.000	0.889	0.816	*	*	*	*	*	*	*	*
*	*	1.000	0.970	0.965	*	*	*	*	*	*	*
*	*	*	1.000	0.971	0.661	*	*	*	*	*	*
*	*	*	*	1.000	0.741	0.781	*	*	*	*	*
*	*	*	*	*	1.000	0.695	0.363	*	*	*	*
*	*	*	*	*	*	1.000	0.384	0.399	*	*	*
*	*	*	*	*	*	*	1.000	0.035	0.033	*	*
*	*	*	*	*	*	*	*	1.000	0.914	0.702	*
*	*	*	*	*	*	*	*	*	1.000	0.787	-0.046
*	*	*	*	*	*	*	*	*	*	1.000	0.204
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.005
SEPT-OCT 0.880
SEPT-NOV 0.792

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.099	-0.202	-0.354	-0.599	-0.515	-0.397	-0.402	-0.425	0.175	0.058	0.288	-0.198

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09275000 West Fork Duchesne River below Dry Hollow, near Hanna, Utah

LOCATION.--Lat 40°26'55", long 110°58'30", in SW¼SW¼ sec.25, T.1 N., R.10 W., Uintah meridian, on left bank 300 ft (91 m) downstream from Dry Hollow, 5 miles (8 km) upstream from Wolf Creek, and 12 miles (19 km) northwest of Hanna.

DRAINAGE AREA.--47 sq mi (122 km^2), approximately.

GAGE.--Digital water-stage recorder. Altitude of gage is 7,656 ft (2,334 m) from topographic map. Prior to Oct. 12, 1966, graphic water-stage recorder at present site and datum.

EXTREMES.--Maximum discharge, 735 ft^3/s (20.8 m^3/s) June 7, 1965, June 5, 1968; maximum gage height, 4.38 ft (1.335 m) June 5, 1968; minimum discharge recorded, 2.6 ft^3/s (0.074 m^3/s) sometime between Dec. 20, 1956, and Mar. 7, 1957, from recorded range in stage, result of freezeup.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1951	10.00	18	10.00	18	10.00	18	10.00	18	10.00	18	10.00	17	10.50	18	11.10	18	12.00	18	52.30	15
1952	7.00	10	8.33	16	9.57	17	9.93	17	9.97	17	10.20	18	10.30	17	10.40	17	10.90	16	37.30	11
1953	8.00	15	8.00	14	8.00	14	8.00	14	8.00	12	8.15	12	8.51	12	8.88	12	10.20	14	67.50	18
1954	8.80	17	9.00	17	9.00	16	9.03	16	9.13	16	9.38	16	9.59	16	9.83	16	10.50	15	33.70	8
1955	6.00	4	6.83	7	7.00	10	7.00	10	7.03	8	7.27	8	7.39	7	7.65	7	8.04	6	22.60	4
1956	6.10	6	6.10	5	6.14	5	6.64	6	7.00	7	7.00	7	7.37	6	7.44	6	7.69	3	30.90	6
1957	7.00	11	7.00	10	7.00	11	7.00	7	7.07	9	7.28	9	7.48	9	7.70	8	8.43	7	36.30	10
1958	6.50	7	6.50	6	6.50	6	6.50	5	6.67	5	6.85	5	7.40	8	7.81	9	8.92	9	41.60	12
1959	6.00	5	6.00	4	6.00	4	6.07	4	6.30	4	6.44	4	6.53	3	6.93	3	7.84	4	42.40	13
1960	5.00	1	5.00	1	5.00	1	5.03	1	5.17	1	5.44	1	5.52	1	5.76	1	7.11	1	20.10	2
1961	5.20	2	5.33	3	5.64	3	5.70	2	5.94	2	6.06	2	6.31	2	6.53	2	7.11	2	22.10	3
1962	5.20	3	5.20	2	5.44	2	5.90	3	6.17	3	6.38	3	6.61	4	7.06	4	7.95	5	14.60	1
1963	7.00	12	7.00	11	7.00	7	7.51	11	8.13	13	8.65	13	8.72	13	8.90	13	9.88	12	54.20	16
1964	6.90	8	6.97	8	7.00	8	7.00	8	7.00	6	7.00	6	7.11	5	7.31	5	8.64	8	29.10	5
1965	7.00	9	7.00	9	7.00	9	7.00	9	7.17	10	7.62	10	8.02	10	8.56	10	9.19	10	36.00	9
1966	7.20	13	7.40	12	7.57	12	7.79	13	8.33	14	8.76	15	9.37	15	9.82	15	11.50	17	55.90	17
1967	8.00	16	8.13	15	8.47	15	8.54	15	8.64	15	8.72	14	8.82	14	9.08	14	9.74	11	31.70	7
1968	7.30	14	7.47	13	7.61	13	7.69	12	7.74	11	8.02	11	8.39	11	8.74	11	9.98	13	48.30	14

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1950	498.0	4	486.0	3	425.0	3	384.0	3	312.0	3	215.0	4	164.0	4	131.0	4	92.4	4	51.5	4
1951	433.0	7	407.0	7	362.0	6	274.0	10	213.0	11	148.0	11	110.0	11	89.3	10	63.7	10	37.9	9
1952	515.0	3	504.0	1	479.0	1	449.0	1	364.0	1	295.0	1	224.0	1	179.0	1	125.0	1	67.7	1
1953	362.0	9	347.0	9	325.0	9	264.0	12	206.0	12	131.0	12	99.0	12	79.9	12	56.8	12	33.5	12
1954	184.0	17	181.0	17	172.0	17	159.0	16	116.0	17	81.7	17	62.5	17	50.8	17	37.1	17	23.8	16
1955	258.0	14	249.0	14	231.0	14	207.0	13	176.0	13	131.0	13	97.3	13	77.2	13	54.1	13	31.1	14
1956	299.0	12	292.0	12	281.0	12	265.0	11	217.0	10	155.0	9	115.0	9	91.2	9	64.1	9	35.9	10
1957	470.0	6	456.0	5	399.0	5	335.0	5	254.0	6	176.0	7	133.0	7	105.0	7	74.2	7	41.4	7
1958	472.0	5	457.0	4	425.0	4	373.0	4	289.0	4	194.0	6	141.0	6	111.0	6	76.7	6	42.9	6
1959	129.0	18	123.0	18	112.0	18	105.0	18	101.0	18	72.2	18	55.9	18	45.1	18	33.1	18	20.5	18
1960	220.0	15	200.0	16	181.0	16	151.0	17	127.0	16	84.0	16	64.7	16	52.1	16	37.2	16	22.0	17
1961	107.0	19	95.7	19	77.9	19	75.2	19	62.3	19	44.9	19	34.6	19	28.2	19	21.1	19	14.2	19
1962	351.0	10	338.0	10	312.0	11	288.0	8	240.0	7	222.0	3	179.0	2	142.0	3	98.2	3	53.2	3
1963	209.0	16	204.0	15	199.0	15	193.0	14	164.0	14	115.0	15	84.9	15	68.5	15	49.5	15	29.8	15
1964	337.0	11	325.0	11	318.0	10	276.0	9	220.0	9	154.0	10	112.0	10	88.9	11	62.7	11	35.7	11
1965	540.0	1	492.0	2	467.0	2	399.0	2	326.0	2	235.0	2	179.0	3	143.0	2	100.0	2	54.8	2
1966	278.0	13	264.0	13	237.0	13	190.0	15	163.0	15	117.0	14	92.2	14	75.1	14	53.9	14	32.6	13
1967	432.0	8	381.0	8	336.0	8	298.0	6	287.0	5	214.0	5	157.0	5	124.0	5	86.6	5	48.3	5
1968	518.0	2	415.0	6	354.0	7	289.0	7	227.0	8	156.0	8	118.0	8	94.7	8	67.9	8	38.9	8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	0	6940	100.0	9	15.00	415	2677	38.6	18	55.0	92	1106	15.9	27	190	75	344	4.9
1	5.00	75	6940	100.0	10	18.00	177	2262	32.6	19	63.0	101	1014	14.6	28	220	77	269	3.8
2	5.80	282	6865	98.9	11	20.00	184	2085	30.0	20	72.0	82	913	13.2	29	260	75	192	2.7
3	6.60	628	6583	94.9	12	23.00	177	1901	27.4	21	83.0	93	831	12.0	30	300	39	117	1.6
4	7.60	658	5955	85.8	13	27.00	143	1724	24.8	22	96.0	71	738	10.6	31	340	39	78	1.1
5	8.80	759	5297	76.3	14	31.00	155	1581	22.8	23	110.0	102	667	9.6	32	390	19	39	.5
6	10.00	995	4538	65.4	15	36.00	110	1426	20.5	24	130.0	73	565	8.1	33	450	19	20	.2
7	12.00	351	3543	51.1	16	41.00	100	1316	19.0	25	150.0	88	492	7.1	34	520	1	1	.0
8	13.00	515	3192	46.0	17	47.00	110	1216	17.5	26	170.0	60	404	5.8					

09275000 West Fork Duchesne River below Dry Hollow, near Hanna, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
YEAR	NUMBER OF DAYS IN CLASS																																			FT^3/S DAYS
1950					46	27	41	40	28	35	13	10	10	6	5	4	12	9	8	5	5	11	5	4	4	4	4	3	5	6	3	6	3	3		18800.0
1951							80	36	90	26	12	5	13	11	19	7	5	4	4	4	6	6	3	2	4	9	4	1	2	2		3	2			13840.0
1952				2	2	61	36	10	25	24	7	11	6	16	8	5	8	6	4	17	4	3	3	3	2	4	4	7	11	10	2	6	7	7		24787.0
1953					51	42	71	13	33	39	11	2	6	13	11	12	9	6	5	7	2	3	1	4	2	2	4	7	2	1	3	3				12242.1
1954							63	125	35	30	20	4	11	9	4	5	11	7	6	7	5	3	3	1	2	3	8	3								8687.7
1955				1	92	66	58	12	11	7	15	8	8	9	7	4	8	2	5	3	2	2	3	3	8	10	7	3	3	8						11351.9
1956					8	103	44	13	26	16	29	22	6	7	10	4	4	1	6	7	7	5	3	2	5	6	5	3	3	5	9	7				13149.0
1957					70	40	64	10	11	26	13	16	10	10	7	5	4	3	6	5	6	9	7	3	5	7	5	4	5	2	2	2	5	1	2		15111.0
1958				20	49	19	65	34	18	27	16	11	11	6	10	8	4	4	7	1	3	4	5	3	3	3	7	4	3	1	5	4	5	3	2		15662.8
1959				59	36	41	68	43	8	10	9	7	8	10	6	12	3	3	4	4	4	3	9	10	8												7489.1
1960			50	72	14	48	39	25	4	14	3	5	14	11	12	7	3	4	4	4	2	4	2	3	12	2	3	3	1	1						8067.9
1961			25	81	64	48	34	14	10	13	14	6	4	8	5	3	7	4	4	8	4	5	3	1												5184.7
1962				41	43	39	22	37	15	28	17	2	4	5	6	7	6	3	6	3	1	2	3	5	11	5	7	10	12	3	13	7	2				19423.1
1963					10	35	56	62	36	30	29	13	13	8	4	7	4	3	4	4	5	4	7	3	5	3	5	5	10									10860.8
1964					100	16	19	49	15	34	23	12	8	13	4	7	3	4	3	3	3	3	9	10	3	2		4	8		8						13052.5
1965					29	55	27	86	3	1		11	15	11	10	12	9	7	4	9	8	6	6	5	4	3	7	2	4	8	9	3	4	2	4	1	19986.6
1966					6	23	43	49	31	52	34	7	13	10	5	6	8	9	13	7	5	6	6	3	5	8	8	2	1	4	1						11907.2
1967					35	73	62	11	15	36	12	17	7	3	12	7	4	6	3	6	2	4	2	4	2	3	2	4	9	15	6	2	1				17636.0
1968				10	50	40	33	28	23	40	14	13	15	10	13	4	3	6	3	9	9	7	3	6	2	4	3	5	4	4	1	3		1			14252.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	0.133E 02	0.116E 02	0.932E 01	0.800E 01	0.871E 01	0.114E 02	0.444E 02	0.174E 03	0.238E 03	0.598E 02	0.223E 02	0.166E 02
1951	0.137E 02	0.139E 02	0.129E 02	0.116E 02	0.100E 02	0.100E 02	0.261E 02	0.151E 03	0.136E 03	0.360E 02	0.192E 02	0.127E 02
1952	0.130E 02	0.108E 02	0.105E 02	0.100E 02	0.110E 02	0.100E 02	0.425E 02	0.289E 03	0.296E 03	0.675E 02	0.315E 02	0.199E 02
1953	0.142E 02	0.104E 02	0.100E 02	0.900E 01	0.800E 01	0.874E 01	0.174E 02	0.621E 02	0.193E 03	0.382E 02	0.182E 02	0.135E 02
1954	0.122E 02	0.113E 02	0.966E 01	0.916E 01	0.100E 02	0.106E 02	0.328E 02	0.113E 03	0.356E 02	0.175E 02	0.113E 02	0.108E 02
1955	0.929E 01	0.819E 01	0.845E 01	0.763E 01	0.700E 01	0.750E 01	0.123E 02	0.160E 03	0.983E 02	0.281E 02	0.153E 02	0.905E 01
1956	0.762E 01	0.808E 01	0.828E 01	0.700E 01	0.700E 01	0.842E 01	0.304E 02	0.191E 03	0.111E 03	0.249E 02	0.145E 02	0.115E 02
1957	0.102E 02	0.938E 01	0.797E 01	0.724E 01	0.738E 01	0.825E 01	0.149E 02	0.953E 02	0.247E 03	0.542E 02	0.219E 02	0.141E 02
1958	0.120E 02	0.101E 02	0.903E 01	0.848E 01	0.700E 01	0.668E 01	0.212E 02	0.238E 03	0.143E 03	0.282E 02	0.158E 02	0.120E 02
1959	0.982E 01	0.919E 01	0.765E 01	0.640E 01	0.668E 01	0.720E 01	0.219E 02	0.806E 02	0.619E 02	0.132E 02	0.107E 02	0.101E 02
1960	0.103E 02	0.733E 01	0.560E 01	0.546E 01	0.586E 01	0.816E 01	0.261E 02	0.109E 03	0.544E 02	0.148E 02	0.823E 01	0.842E 01
1961	0.875E 01	0.718E 01	0.627E 01	0.607E 01	0.670E 01	0.839E 01	0.189E 02	0.616E 02	0.214E 02	0.767E 01	0.707E 01	0.973E 01
1962	0.956E 01	0.971E 01	0.827E 01	0.665E 01	0.682E 01	0.658E 01	0.672E 02	0.214E 03	0.226E 03	0.511E 02	0.184E 02	0.129E 02
1963	0.125E 02	0.108E 02	0.903E 01	0.835E 01	0.971E 01	0.885E 01	0.122E 02	0.123E 03	0.103E 03	0.244E 02	0.191E 02	0.146E 02
1964	0.117E 02	0.103E 02	0.788E 01	0.725E 01	0.700E 01	0.719E 01	0.122E 02	0.144E 03	0.144E 03	0.428E 02	0.189E 02	0.138E 02
1965	0.106E 02	0.101E 02	0.102E 02	0.878E 01	0.800E 01	0.729E 01	0.192E 02	0.138E 03	0.316E 03	0.760E 02	0.315E 02	0.208E 02
1966	0.157E 02	0.125E 02	0.114E 02	0.918E 01	0.834E 01	0.118E 02	0.545E 02	0.161E 03	0.566E 02	0.223E 02	0.141E 02	0.118E 02
1967	0.114E 02	0.107E 02	0.931E 01	0.879E 01	0.865E 01	0.973E 01	0.152E 02	0.122E 03	0.268E 03	0.730E 02	0.260E 02	0.168E 02
1968	0.128E 02	0.114E 02	0.963E 01	0.828E 01	0.789E 01	0.990E 01	0.178E 02	0.109E 03	0.201E 03	0.413E 02	0.242E 02	0.156E 02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1151E 02	0.1020E 02	0.9020E 01	0.8069E 01	0.7986E 01	0.8772E 01	0.2671E 02	0.1441E 03	0.1553E 03	0.3795E 02	0.1833E 02	0.1340E 02
0.4269E 01	0.2950E 01	0.2837E 01	0.2163E 01	0.1933E 01	0.2408E 01	0.2368E 03	0.3494E 04	0.8434E 04	0.4322E 03	0.4738E 02	0.1166E 02
0.2066E 01	0.1718E 01	0.1684E 01	0.1471E 01	0.1390E 01	0.1552E 01	0.1539E 02	0.5911E 02	0.9184E 02	0.2079E 02	0.6883E 01	0.3415E 01
0.7330E-01	-0.8955E-02	0.1373E 00	0.3749E 00	0.6928E 00	0.3930E 00	0.1411E 01	0.8308E 00	0.2335E 00	0.4636E 00	0.3618E 00	0.6813E 00
0.1795E 00	0.1684E 00	0.1868E 00	0.1823E 00	0.1741E 00	0.1769E 00	0.5762E 00	0.4103E 00	0.5914E 00	0.5479E 00	0.3756E 00	0.2548E 00
0.2551E 01	0.2260E 01	0.1999E 01	0.1788E 01	0.1770E 01	0.1944E 01	0.5918E 01	0.3192E 02	0.3441E 02	0.8408E 01	0.4061E 01	0.2970E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.843	0.717	*	*	*	*	*	*	*	*	*
*	1.000	0.881	0.840	*	*	*	*	*	*	*	*
*	*	1.000	0.951	0.743	*	*	*	*	*	*	*
*	*	*	1.000	0.835	0.526	*	*	*	*	*	*
*	*	*	*	1.000	0.657	0.149	*	*	*	*	*
*	*	*	*	*	1.000	0.298	-0.003	*	*	*	*
*	*	*	*	*	*	1.000	0.524	0.076	*	*	*
*	*	*	*	*	*	*	1.000	0.354	0.350	*	*
*	*	*	*	*	*	*	*	1.000	0.969	0.929	*
*	*	*	*	*	*	*	*	*	1.000	0.928	0.886
*	*	*	*	*	*	*	*	*	*	1.000	0.954
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.845
SEPT-OCT 0.907
SEPT-NOV 0.777

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.384	0.523	0.557	0.568	0.364	0.274	-0.325	-0.364	-0.080	-0.014	0.238	0.219

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09275500 West Fork Duchesne River near Hanna, Utah

LOCATION.--Lat 40°27'01", long 110°53'01", in SE¼NE¼SE¼ sec.27, T.1 N., R.9 W., Uintah meridian, Duchesne County, on left bank 1,500 ft (457 m) upstream from Wolf Creek and 7.5 miles (12.1 km) northwest of Hanna.

DRAINAGE AREA.--61 sq mi (158 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,218 ft (2,200 m) from topographic map. Prior to Oct. 1, 1923, nonrecording gages at approximately same site at different datums.

EXTREMES.--Maximum discharge recorded, 758 ft^3/s (21.5 m^3/s) June 5, 1967; maximum gage height, 4.40 ft (1.341 m) June 4, 1952; minimum discharge recorded, 4.0 ft^3/s (0.11 m^3/s) sometime between Jan. 28 and Apr. 12, 1965, result of freezeup.

REMARKS.--One small diversion for irrigation of about 100 acres (405,000 m^2) above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1947	8.00 3	9.67 3	12.10 14	12.60 12	12.80 12	13.20 12	13.60 12	14.10 11	14.70 7	42.40 10
1948	12.00 19	12.30 19	13.00 20	13.30 19	13.80 20	14.20 20	14.40 18	14.70 18	15.30 13	50.40 16
1949	12.00 20	12.00 15	12.70 16	12.90 14	13.10 15	13.80 15	14.10 15	14.50 16	15.10 10	37.10 6
1950	12.00 21	12.00 16	12.00 12	12.00 10	12.00 6	12.20 6	13.10 7	13.60 7	15.80 15	57.00 19
1951	14.00 25	14.00 24	14.00 23	14.00 22	14.00 21	14.00 17	14.90 20	15.70 20	17.30 21	65.50 22
1952	10.00 5	12.30 17	13.60 21	14.00 23	14.00 22	14.50 21	14.30 16	14.70 17	15.10 11	45.20 13
1953	11.00 13	14.00 25	15.60 25	16.40 25	16.70 25	17.00 25	17.10 25	17.40 25	18.90 24	85.80 25
1954	13.00 22	13.00 20	13.00 17	13.10 18	13.40 17	14.10 18	14.60 19	15.00 19	16.20 18	41.40 8
1955	7.30 1	8.83 2	10.00 2	10.00 2	10.10 2	10.50 2	10.70 2	11.00 2	11.60 2	26.80 3
1956	10.00 6	11.00 7	12.10 13	13.60 20	13.70 19	13.90 16	14.40 17	14.40 14	15.00 9	39.20 7
1957	10.00 7	11.00 8	11.00 6	11.00 5	11.20 5	11.30 5	11.80 5	12.10 5	12.60 4	43.90 11
1958	13.00 23	13.00 21	13.00 18	13.00 15	13.20 16	14.10 19	15.20 21	16.10 21	18.00 23	52.60 17
1959	11.00 14	11.00 9	11.00 7	11.10 6	12.10 7	13.00 10	13.20 8	13.70 8	15.20 12	53.30 18
1960	10.00 8	10.00 4	10.00 3	10.00 3	10.20 3	10.70 3	11.00 3	11.40 3	12.70 5	26.70 2
1961	10.00 9	10.00 5	10.00 4	10.00 4	10.20 4	10.70 4	11.20 4	11.50 4	12.00 3	28.10 4
1962	7.90 2	8.00 1	8.33 1	8.61 1	9.14 1	9.39 1	10.20 1	10.70 1	11.50 1	17.70 1
1963	11.00 10	11.00 6	11.00 5	11.50 7	12.50 10	13.40 13	13.70 14	14.30 13	15.80 16	65.30 21
1964	12.00 15	12.00 10	12.00 8	12.00 8	12.10 8	12.70 8	13.00 6	13.20 6	14.20 6	36.40 5
1965	11.00 11	12.30 18	13.00 19	13.00 16	13.00 13	13.50 14	13.60 13	14.50 15	15.40 14	46.20 14
1966	12.00 16	12.00 11	12.00 9	12.60 13	13.50 18	14.50 22	15.60 22	16.80 24	20.10 25	70.70 24
1967	12.00 17	12.00 12	12.30 15	13.00 17	13.10 14	13.20 11	13.50 11	13.80 9	14.80 8	41.70 9
1968	9.50 4	12.00 13	12.00 10	12.30 11	12.70 11	12.80 9	13.30 9	14.10 12	16.40 19	58.20 20
1969	12.00 18	12.00 14	12.00 11	12.00 9	12.20 9	12.60 7	13.40 10	14.00 10	16.00 17	50.30 15
1970	13.00 24	13.30 22	13.70 22	13.90 21	14.50 23	15.40 23	16.10 23	16.10 22	17.70 22	70.60 23
1971	11.00 12	13.30 23	14.30 24	14.40 24	14.90 24	16.10 24	16.30 24	16.50 23	17.30 20	43.90 12

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1946	251.0 21	243.0 21	234.0 21	210.0 22	199.0 19	159.0 17	121.0 17	96.9 16	70.1 17	43.3 18
1947	349.0 15	334.0 15	301.0 17	273.0 14	256.0 10	192.0 10	148.0 10	120.0 10	85.6 11	50.4 10
1948	350.0 14	343.0 13	324.0 13	273.0 15	206.0 18	134.0 21	102.0 21	82.1 21	59.1 21	37.1 22
1949	335.0 18	321.0 18	305.0 16	262.0 17	251.0 11	214.0 8	170.0 7	137.0 7	97.4 7	56.4 7
1950	550.0 2	533.0 2	468.0 4	427.0 4	356.0 4	251.0 4	197.0 5	159.0 5	114.0 4	65.1 4
1951	457.0 8	449.0 8	408.0 7	311.0 10	238.0 15	166.0 15	126.0 15	104.0 15	75.2 15	46.3 13
1952	547.0 3	540.0 1	531.0 1	510.0 1	432.0 1	355.0 1	271.0 1	217.0 1	152.0 1	83.7 1
1953	353.0 13	341.0 14	321.0 14	270.0 16	213.0 17	143.0 18	111.0 19	91.3 19	66.7 19	42.8 19
1954	177.0 24	174.0 24	165.0 24	154.0 24	119.0 24	87.3 24	68.5 24	56.4 24	42.4 24	29.1 23
1955	269.0 20	261.0 20	243.0 20	227.0 19	189.0 21	142.0 19	107.0 20	87.1 20	63.3 20	37.5 20
1956	340.0 17	327.0 16	315.0 15	293.0 12	238.0 16	170.0 14	129.0 14	105.0 14	75.4 14	45.0 15
1957	485.0 6	472.0 5	437.0 6	368.0 6	283.0 7	197.0 9	151.0 9	121.0 9	87.1 9	50.0 12
1958	461.0 7	454.0 6	438.0 5	395.0 5	314.0 5	217.0 7	161.0 8	128.0 8	91.1 8	54.6 8
1959	145.0 25	137.0 25	125.0 25	116.0 25	112.0 25	82.2 25	64.3 25	53.7 25	40.2 25	27.7 25
1960	230.0 22	213.0 23	194.0 23	163.0 23	141.0 23	94.6 23	74.1 23	61.1 23	44.7 23	28.6 24
1961	106.0 26	96.0 26	80.9 26	76.1 26	64.3 26	47.3 26	37.3 26	31.3 26	24.2 26	17.9 26
1962	414.0 10	408.0 9	380.0 9	319.0 9	278.0 8	250.0 5	202.0 4	162.0 4	114.0 5	63.2 5
1963	225.0 23	222.0 22	219.0 22	214.0 21	182.0 22	129.0 22	96.7 22	78.6 22	58.7 22	37.3 21
1964	380.0 11	368.0 11	362.0 10	310.0 11	251.0 12	179.0 13	133.0 13	106.0 13	77.0 13	45.6 14
1965	561.0 1	518.0 3	485.0 2	440.0 3	364.0 3	271.0 3	208.0 3	169.0 3	121.0 3	68.2 3
1966	290.0 19	281.0 19	258.0 19	220.0 20	193.0 20	141.0 20	113.0 18	93.6 18	68.9 18	44.4 16
1967	437.0 9	405.0 10	362.0 11	324.0 8	314.0 6	236.0 6	175.0 6	139.0 6	99.9 6	57.5 6
1968	538.0 4	454.0 7	399.0 8	337.0 7	270.0 9	186.0 12	142.0 12	116.0 12	84.4 12	50.4 11
1969	522.0 5	503.0 4	480.0 3	447.0 2	391.0 2	280.0 2	215.0 2	173.0 2	123.0 2	69.8 2
1970	374.0 12	358.0 12	330.0 12	287.0 13	239.0 14	162.0 16	121.0 16	96.3 17	70.1 16	43.9 17
1971	343.0 16	326.0 17	285.0 18	261.0 18	246.0 13	184.0 11	146.0 11	119.0 11	86.6 10	52.1 9

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9496	100.0	9	21.00	679	4208	44.3	18	68.0	135	1543	16.2	27	220	102	478	5.0
1	7.30	14	9496	100.0	10	24.00	464	3529	37.2	19	77.0	124	1408	14.8	28	250	121	376	3.9
2	8.30	48	9482	99.9	11	27.00	353	3065	32.3	20	88.0	113	1284	13.5	29	290	86	255	2.6
3	9.50	164	9434	99.3	12	31.00	248	2712	28.6	21	100.0	72	1171	12.3	30	330	61	169	1.7
4	11.00	310	9270	97.6	13	35.00	213	2464	25.9	22	110.0	169	1099	11.6	31	370	44	108	1.1
5	12.00	1041	8960	94.4	14	40.00	213	2251	23.7	23	130.0	118	930	9.8	32	420	39	64	.6
6	14.00	1512	7919	83.4	15	46.00	169	2038	21.5	24	150.0	100	812	8.6	33	480	23	25	.2
7	16.00	1047	6407	67.5	16	52.00	168	1869	19.7	25	170.0	93	712	7.5	34	550	2	2	.0
8	18.00	1152	5360	56.4	17	59.00	158	1701	17.9	26	190.0	141	619	6.5					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09275500 West Fork Duchesne River near Hanna, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1946						95	35	100	33	9	7	2	8	3	3	3	3	4	4	2	3	11	9	5	7	13	5	1							15812.0
1947		1	1	2	1	33	68	62	43	26	3	11	12	4	6	9	7	9	5	2	5	2	10	5	6	5	6	3	9	7	2					18410.0
1948						36	102	87	30	11	6	11	5	7	10	3	10	9	5	3	3	2	4	1	2	5	2	4	2	2	4					13586.0
1949						33	69	73	36	15	10	6	13	7	8	4	5	6	5	2	6	2	12	6	2	3	14	11	12	4	1					20588.0
1950						72	22	20	32	27	40	23	9	9	7	8	5	4	9	7	8	6	9	6	2	2	4	6	6	6	3	7	3	2	1	23756.0
1951							68	35	85	39	12	9	9	9	17	18	4	5	3	7	4	4	4	5	8	5	5		2	1	1	3	3			16903.0
1952					1	2	51	10	55	10	15	1	25	5	16	6	10	9	8	6	3	5	3	4	3	2	3	8	5	6	8	7	7	6	12		30628.0
1953					1	2	7	56	109	53	21	10	7	12	10	8	13	10	3	8	3	3	3	2	3	3	5	6	1	2	4						15618.0
1954						41	93	58	62	23	7	4	9	6	8	6	9	7	7	5	2	1	2	6	6	3											10628.0
1955		1	1	30	77	61	24	22	16	13	20	8	12	10	6	3	7	3	3	3	2	1	9	7	10	4	4	2	6							13688.5
1956					1	4	31	109	48	29	14	14	11	11	12	7	5	5	5	10	5	2	3	6	4	5	2	6	1	8	6	2					16468.0
1957					1	56	79	39	11	14	26	10	21	7	10	9	4	6	3	6	10	6	4	7	4	2	5	7	5	1	3	1	4	2	2		18254.0
1958							23	40	24	85	57	24	11	7	10	7	5	6	4	6	3	5	1	6	3	5	5	6	1	3	4	4	5	5			19947.0
1959						16	67	74	41	54	23	9	7	6	10	11	3	3	7	3	3	6	5	15	2												19120.0
1960						12	48	91	43	25	17	9	14	7	13	15	8	3	3	5	1	3	3	2	7	7	3	4	2	1							10451.0
1961				12	30	46	48	97	42	14	11	11	5	7	3	6	5	5	5	6	7	3	1	1													6545.5
1962					16	50	45	25	44	2	9	21	27	5	8	4	8	5	7	6	2	3	3	1	7	7	4	8	13	7	11	8	5	4				23070.0
1963						10	22	67	41	73	38	18	17	7	4	7	7	2	4	3	4	6	5	3	4	4	3	12	4								13606.0
1964							92	55	33	29	29	21	11	13	7	7	5	4	4	3	3	2	3	9	7	6	2	1	3	9		6	2				16676.0
1965						1	36	79	46	33	3	2	20	12	7	8	10	12	8	11	12	4	3	9	2	4	2	3	5	9	6	5	3	6	3	1		24992.0
1966							13	35	31	58	36	43	33	15	5	6	8	6	11	14	6	7	4	6	3	4	6	8	3	3	1							16204.0
1967							52	84	30	15	21	26	30	6	6	14	7	7	5	3	3	3	3	4	3	2	2	2	4	9	15	7		2				20973.0
1968						1		63	28	27	34	30	51	11	14	14	14	4	5	5	5	8	10	4	4	5	2	3	3	6	3	5	2	3	1	1		18451.5
1969							57	41	37	24	19	23	23	20	6	8	11	6	9	3	5	5	3	10	7	5	4	4	6	4	3	3	5	11	3			25461.0
1970							2	38	73	78	53	25	9	12	5	4	5	9	6	2	2	3	1	4	5	3	2	8	4	6	3	2	1					16036.0
1971							1	8	36	61	66	34	23	16	11	4	9	10	10	6	6	7	7	2	4	5	5	5	5	10	10	2	2					19006.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	0.187E 02	0.185E 02	0.157E 02	0.156E 02	0.150E 02	0.185E 02	0.864E 02	0.183E 03	0.843E 02	0.278E 02	0.194E 02	0.150E 02
1947	0.168E 02	0.158E 02	0.139E 02	0.130E 02	0.141E 02	0.177E 02	0.396E 02	0.250E 03	0.128E 03	0.479E 02	0.268E 02	0.181E 02
1948	0.170E 02	0.160E 02	0.156E 02	0.148E 02	0.141E 02	0.144E 02	0.274E 02	0.173E 03	0.905E 02	0.292E 02	0.178E 02	0.138E 02
1949	0.164E 02	0.167E 02	0.152E 02	0.150E 02	0.135E 02	0.143E 02	0.610E 02	0.221E 03	0.199E 03	0.564E 02	0.265E 02	0.195E 02
1950	0.201E 02	0.152E 02	0.137E 02	0.120E 02	0.143E 02	0.231E 02	0.658E 02	0.219E 03	0.271E 03	0.688E 02	0.315E 02	0.255E 02
1951	0.205E 02	0.200E 02	0.182E 02	0.164E 02	0.140E 02	0.143E 02	0.374E 02	0.174E 03	0.149E 03	0.460E 02	0.257E 02	0.183E 02
1952	0.174E 02	0.146E 02	0.156E 02	0.140E 02	0.150E 02	0.140E 02	0.591E 02	0.366E 03	0.335E 03	0.813E 02	0.413E 02	0.296E 02
1953	0.235E 02	0.191E 02	0.175E 02	0.172E 02	0.176E 02	0.183E 02	0.271E 02	0.752E 02	0.201E 03	0.504E 02	0.278E 02	0.191E 02
1954	0.190E 02	0.179E 02	0.151E 02	0.139E 02	0.150E 02	0.160E 02	0.402E 02	0.116E 03	0.448E 02	0.208E 02	0.147E 02	0.147E 02
1955	0.133E 02	0.120E 02	0.120E 02	0.110E 02	0.100E 02	0.110E 02	0.227E 02	0.174E 03	0.105E 03	0.352E 02	0.237E 02	0.170E 02
1956	0.162E 02	0.150E 02	0.153E 02	0.137E 02	0.140E 02	0.166E 02	0.425E 02	0.213E 03	0.117E 03	0.371E 02	0.230E 02	0.143E 02
1957	0.138E 02	0.131E 02	0.120E 02	0.112E 02	0.125E 02	0.135E 02	0.216E 02	0.109E 03	0.275E 03	0.656E 02	0.327E 02	0.219E 02
1958	0.231E 02	0.201E 02	0.188E 02	0.175E 02	0.145E 02	0.136E 02	0.344E 02	0.260E 03	0.167E 03	0.396E 02	0.232E 02	0.208E 02
1959	0.194E 02	0.168E 02	0.152E 02	0.135E 02	0.139E 02	0.122E 02	0.267E 02	0.915E 02	0.710E 02	0.228E 02	0.151E 02	0.139E 02
1960	0.153E 02	0.142E 02	0.108E 02	0.107E 02	0.117E 02	0.160E 02	0.371E 02	0.121E 03	0.600E 02	0.202E 02	0.120E 02	0.125E 02
1961	0.130E 02	0.135E 02	0.121E 02	0.107E 02	0.108E 02	0.126E 02	0.219E 02	0.636E 02	0.245E 02	0.105E 02	0.950E 01	0.118E 02
1962	0.132E 02	0.138E 02	0.115E 02	0.965E 01	0.108E 02	0.110E 02	0.824E 02	0.257E 03	0.235E 03	0.616E 02	0.288E 02	0.220E 02
1963	0.198E 02	0.165E 02	0.153E 02	0.125E 02	0.146E 02	0.163E 02	0.217E 02	0.137E 03	0.116E 03	0.325E 02	0.235E 02	0.202E 02
1964	0.165E 02	0.155E 02	0.138E 02	0.136E 02	0.132E 02	0.124E 02	0.217E 02	0.168E 03	0.169E 03	0.545E 02	0.267E 02	0.209E 02
1965	0.174E 02	0.165E 02	0.171E 02	0.139E 02	0.140E 02	0.130E 02	0.323E 02	0.178E 03	0.349E 03	0.918E 02	0.453E 02	0.305E 02
1966	0.278E 02	0.235E 02	0.200E 02	0.157E 02	0.135E 02	0.204E 02	0.716E 02	0.190E 03	0.730E 02	0.321E 02	0.219E 02	0.202E 02
1967	0.176E 02	0.151E 02	0.143E 02	0.133E 02	0.130E 02	0.155E 02	0.224E 02	0.143E 03	0.291E 03	0.819E 02	0.352E 02	0.272E 02
1968	0.225E 02	0.185E 02	0.165E 02	0.129E 02	0.128E 02	0.152E 02	0.253E 02	0.131E 03	0.239E 03	0.540E 02	0.337E 02	0.248E 02
1969	0.225E 02	0.166E 02	0.156E 02	0.146E 02	0.125E 02	0.136E 02	0.654E 02	0.373E 03	0.177E 03	0.628E 02	0.333E 02	0.246E 02
1970	0.229E 02	0.182E 02	0.150E 02	0.175E 02	0.165E 02	0.156E 02	0.210E 02	0.157E 03	0.158E 03	0.414E 02	0.231E 02	0.195E 02
1971	0.198E 02	0.176E 02	0.161E 02	0.173E 02	0.158E 02	0.187E 02	0.466E 02	0.164E 03	0.208E 03	0.528E 02	0.263E 02	0.216E 02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1859E 02	0.1656E 02	0.1507E 02	0.1389E 02	0.1373E 02	0.1530E 02	0.4082E 02	0.1811E 03	0.1668E 03	0.4712E 02	0.2571E 02	0.1988E 02
0.1341E 02	0.6363E 01	0.5028E 01	0.4989E 01	0.2981E 01	0.8340E 01	0.4091E 03	0.5806E 04	0.8056E 04	0.4273E 03	0.7082E 02	0.2566E 02
0.3661E 01	0.2523E 01	0.2242E 01	0.2234E 01	0.1727E 01	0.2888E 01	0.2023E 02	0.7620E 02	0.8975E 02	0.2067E 02	0.8415E 01	0.5066E 01
0.4743E 00	0.6839E 00	0.7018E-01	0.4609E-02	0.1422E 00	0.8247E 00	0.9432E 00	0.9887E 00	0.4062E 00	0.3551E 00	0.2461E 00	0.3519E 00
0.1969E 00	0.1523E 00	0.1488E 00	0.1608E 00	0.1258E 00	0.1888E 00	0.4955E 00	0.4208E 00	0.5379E 00	0.4387E 00	0.3273E 00	0.2548E 00
0.3236E 01	0.2883E 01	0.2622E 01	0.2417E 01	0.2389E 01	0.2662E 01	0.7104E 01	0.3151E 02	0.2904E 02	0.8200E 01	0.4475E 01	0.3461E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09275500 West Fork Duchesne River near Hanna, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.892	0.822	*	*	*	*	*	*	*	*	*
*	1.000	0.891	0.768	*	*	*	*	*	*	*	*
*	*	1.000	0.806	0.590	*	*	*	*	*	*	*
*	*	*	1.000	0.784	0.316	*	*	*	*	*	*
*	*	*	*	1.000	0.532	-0.007	*	*	*	*	*
*	*	*	*	*	1.000	0.338	-0.036	*	*	*	*
*	*	*	*	*	*	1.000	0.588	0.074	*	*	*
*	*	*	*	*	*	*	1.000	0.351	0.447	*	*
*	*	*	*	*	*	*	*	1.000	0.966	0.938	*
*	*	*	*	*	*	*	*	*	1.000	0.963	0.926
*	*	*	*	*	*	*	*	*	*	1.000	0.943
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.924
SEPT-OCT 0.921
SEPT-NOV 0.822

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.170	-0.097	0.074	0.224	0.270	-0.080	-0.276	-0.275	0.010	0.039	0.194	0.272

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09276000 Wolf Creek above Rhoades Canyon, near Hanna, Utah

LOCATION.--Lat 40°28'16", long 110°55'05", in NE¼SW¼NW¼ sec.21, T.1 N., R.9 W., Uintah meridian, Wasatch County, Wasatch National Forest, on left bank 1.5 miles (2.4 km) upstream from Rhoades Canyon, 2.8 miles (4.5 km) upstream from mouth, and 9 miles (14 km) northwest of Hanna.

DRAINAGE AREA.--9 sq mi (23 km^2), approximately.

GAGE.--Water-stage recorder and masonry control. Altitude of gage is 7,740 ft (2,359 m) from topographic map.

EXTREMES.--Maximum discharge, 82 ft^3/s (2.32 m^3/s) June 8, 1952 (gage height, 2.64 ft or 0.805 m); minimum, 0.2 ft^3/s (0.06 m^3/s) sometime during Jan. 2-31, 1962, probably result of temporary obstruction upstream.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1947	2.90 13	2.90 13	2.90 13	2.91 12	2.96 11	2.98 9	3.03 9	3.13 9	3.58 9	6.48 8
1948	3.20 17	3.23 18	3.26 17	3.27 17	3.53 20	3.96 19	4.17 20	4.40 20	4.76 19	9.09 21
1949	2.70 9	2.70 9	2.71 9	2.76 9	2.78 6	2.83 6	2.89 6	2.97 6	3.31 7	5.71 7
1950	2.70 10	2.73 10	2.81 11	3.11 15	3.64 21	3.78 16	3.88 16	4.08 17	4.68 18	8.89 17
1951	3.80 24	3.80 24	3.86 24	3.95 24	4.21 24	4.44 23	4.68 23	4.95 23	5.68 23	10.40 23
1952	3.20 18	3.20 17	3.33 18	3.41 18	3.43 16	3.47 12	3.48 12	3.59 12	4.16 12	8.27 15
1953	4.30 25	4.30 25	4.36 25	4.43 25	4.54 25	4.75 25	5.03 25	5.30 25	6.10 24	14.40 25
1954	3.50 22	3.50 22	3.63 22	3.76 22	3.83 22	3.94 18	3.95 17	4.06 16	4.36 15	7.20 11
1955	2.60 6	2.60 6	2.60 5	2.60 5	2.60 3	2.61 3	2.63 3	2.68 2	2.81 2	4.34 2
1956	2.60 7	2.60 7	2.60 6	2.60 6	2.67 5	2.74 5	2.74 5	2.77 5	3.06 5	5.10 5
1957	2.60 8	2.60 8	2.60 7	2.73 7	2.81 9	2.88 7	2.95 8	3.03 8	3.39 8	6.67 10
1958	3.10 16	3.10 16	3.10 16	3.10 14	3.13 13	3.90 17	3.97 18	4.12 18	4.66 17	8.38 16
1959	3.30 19	3.37 21	3.44 21	3.47 21	3.49 18	3.49 13	3.61 13	3.80 14	4.37 16	8.92 18
1960	2.80 11	2.80 11	2.80 10	2.80 10	2.80 8	2.90 8	2.94 7	3.02 7	3.31 6	5.12 6
1961	2.10 3	2.10 3	2.19 3	2.26 2	2.32 2	2.45 2	2.59 2	2.74 3	2.98 3	4.65 3
1962	1.80 1	1.80 1	1.80 1	1.80 1	1.80 1	1.89 1	1.93 1	1.95 1	2.01 1	2.44 1
1963	2.10 2	2.10 2	2.19 2	2.34 3	2.93 10	3.08 11	3.20 11	3.41 11	3.96 11	8.26 14
1964	2.60 4	2.60 4	2.60 4	2.60 4	2.61 4	2.65 4	2.68 4	2.76 4	3.02 4	4.92 4
1965	2.60 5	2.60 5	2.66 8	2.76 8	2.79 7	3.54 15	3.70 15	3.87 15	4.24 14	7.32 13
1966	3.00 14	3.07 14	3.09 14	3.09 13	3.36 15	4.56 24	4.83 24	5.18 24	6.13 25	10.60 24
1967	2.90 12	2.90 12	2.90 12	2.91 11	2.98 12	3.04 10	3.12 10	3.24 10	3.62 10	6.66 9
1968	3.10 15	3.10 15	3.10 15	3.12 16	3.16 14	4.01 20	4.16 19	4.29 19	4.93 20	8.99 19
1969	3.30 20	3.30 19	3.37 20	3.46 20	3.52 19	4.25 22	4.40 22	4.55 22	5.18 22	9.02 20
1970	3.70 23	3.77 23	3.80 23	3.82 23	3.86 23	4.09 21	4.36 21	4.52 21	5.12 21	9.84 22
1971	3.30 21	3.30 20	3.36 19	3.43 19	3.47 17	3.50 14	3.62 14	3.76 13	4.18 13	7.31 12

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1946	22.0 23	21.7 23	20.3 23	19.1 21	17.7 20	15.9 19	13.4 19	11.7 19	9.4 19	6.5 18
1947	37.0 15	36.7 14	35.7 11	31.1 13	28.1 12	24.5 8	20.5 8	17.6 8	13.4 7	8.5 9
1948	35.0 16	34.3 16	31.7 16	25.8 18	20.4 18	14.8 20	12.0 20	10.3 20	8.1 20	6.4 20
1949	41.0 10	38.0 12	35.6 12	32.1 11	28.6 10	23.7 11	19.6 10	17.0 10	13.1 8	8.2 11
1950	46.0 6	43.7 6	39.7 6	38.1 4	34.6 3	28.4 2	23.2 3	19.7 3	15.1 2	9.9 3
1951	49.0 5	48.0 4	43.1 4	33.7 9	28.6 11	22.6 13	18.7 13	16.1 13	12.4 12	9.0 6
1952	61.0 1	59.3 1	57.9 1	54.8 1	48.9 1	39.8 1	33.9 1	29.2 1	22.8 1	13.5 1
1953	41.0 11	39.0 10	34.7 13	29.3 15	24.1 16	18.0 17	15.1 16	12.9 16	10.0 16	8.1 12
1954	21.0 24	20.3 24	19.9 24	18.2 24	14.1 25	10.0 25	8.2 25	7.2 25	6.0 25	5.1 23
1955	26.0 21	25.0 21	22.1 21	18.7 22	16.3 22	13.0 21	10.6 21	9.1 21	7.1 21	5.0 24
1956	32.0 17	31.7 17	31.3 17	28.9 16	24.4 15	18.6 15	15.0 17	12.9 17	9.9 17	6.5 19
1957	52.0 3	49.0 3	47.7 3	39.5 3	31.5 7	23.8 10	19.0 12	16.2 12	12.1 13	7.8 15
1958	53.0 2	51.7 2	47.9 2	43.0 2	35.6 2	26.3 5	21.0 5	17.8 6	13.5 6	9.1 5
1959	20.0 25	19.3 25	18.7 25	16.4 25	14.7 24	12.0 23	9.9 23	8.6 22	6.9 22	5.6 21
1960	28.0 20	25.3 20	22.1 22	18.7 23	16.3 23	11.6 24	9.2 24	7.9 24	6.3 24	4.8 25
1961	7.6 26	7.0 26	6.3 26	5.7 26	4.8 26	3.9 26	3.4 26	3.2 26	3.0 26	2.9 26
1962	38.0 14	36.7 13	35.9 10	32.1 10	27.8 13	22.7 12	19.3 11	16.5 11	12.5 11	7.3 16
1963	23.0 22	23.0 22	22.7 20	21.1 20	17.0 21	12.3 22	10.0 22	8.6 23	6.8 23	5.4 22
1964	44.0 7	38.3 11	32.0 15	29.6 14	25.3 14	20.3 14	16.2 14	13.9 14	10.4 14	6.7 17
1965	42.0 8	41.0 7	40.0 5	36.8 5	33.9 4	27.8 3	23.2 2	20.1 2	15.0 3	9.6 4
1966	29.0 19	29.0 19	26.1 19	22.1 19	19.3 19	15.9 18	13.6 18	11.9 18	9.7 18	7.9 13
1967	39.0 13	36.0 15	33.3 14	31.5 12	29.9 9	25.4 6	20.6 7	17.7 7	13.1 9	8.4 10
1968	50.0 4	45.0 5	39.6 7	35.1 7	31.9 6	24.3 9	19.9 9	17.1 9	12.9 10	8.9 7
1969	42.0 9	40.7 8	39.3 8	36.3 6	32.0 5	26.5 4	21.5 4	18.5 4	14.5 4	9.9 2
1970	32.0 18	31.0 18	28.7 18	25.9 17	22.5 17	18.3 16	15.2 15	13.3 15	10.4 15	7.8 14
1971	40.0 12	39.7 9	37.1 9	34.3 8	30.6 8	25.2 7	20.9 6	17.9 5	13.6 5	8.9 8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9496	100.0	9	4.20	990	5856	61.7	18	11.0	164	1692	17.8	27	29	85	305	3.2
1	1.80	33	9496	100.0	10	4.70	755	4866	51.2	19	12.0	254	1528	16.1	28	32	84	220	2.3
2	2.00	159	9463	99.7	11	5.20	448	4111	43.3	20	14.0	95	1274	13.4	29	36	64	136	1.4
3	2.20	99	9304	98.0	12	5.80	440	3663	38.6	21	15.0	205	1179	12.4	30	40	30	72	.7
4	2.50	317	9205	96.9	13	6.50	375	3223	33.9	22	17.0	162	974	10.3	31	44	17	42	.4
5	2.80	645	8888	93.6	14	7.20	400	2848	30.0	23	19.0	127	812	8.6	32	49	17	25	.2
6	3.10	780	8243	86.8	15	8.00	397	2448	25.8	24	21.0	122	685	7.2	33	55	6	8	.0
7	3.40	652	7463	78.6	16	8.90	237	2051	21.6	25	23.0	149	563	5.9	34	61	2	2	.0
8	3.80	955	6811	71.7	17	9.90	122	1814	19.1	26	26.0	109	414	4.4					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09276000 Wolf Creek above Rhoades Canyon, near Hanna, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1946						77		37	40	40	20	34	6	10	21	12	2	3	2	12	11	18	8	7	5											2370.6
1947						68	50	17	24	39	14	1	1	10	11	32	12	4	6	7	2	2	10	12	12	14	4	1	5	7							3106.8
1948							1	33	53	62	26	99	15	10	20	4	4	1	2	7	3	10	3	1	3	3		1	5								2355.0
1949					8	96	29	15	42	15	2	2	3	20	13	11	14	13	10	7	3	9	8	12	6	6	6	4	7	3	1						2996.6
1950								21	80	11	56	14	13	31	1	29	7	10	6	18	4	5	6	4	6	8	5	8	12	4	4	2					3603.9
1951									23	58	29	37	36	24	34	34	4	6	17	8	3	6	11	1	11	11	4		2	1	1	3	1				3297.9
1952								7	85	27	7	45	9	18			5	3	6	24	6	35	6	3	9	11	9	9	4	12	5	3	10	6	2	4926.3
1953									16	45	50	34	52	31	29	27	24	1	6	12	4	6	5	5	3	6	2	2	2	2	1						2944.0
1954								26	42	89	90	53	19	4	9	5	1	6	1	2	3		4	4	6	1											1866.6
1955						93	60	66	1	11	28	20	7	13	12	4	3	2	2	7	14	5	6	3	3	2	2	1										1817.5
1956						35	94	32	12	34	9	13	6	22	18	16	17	5	1	3	7	4	4	9	5	2	4	6	6	2							2381.1
1957							49	100	18	20	33	7	3	6	11	11	31	11	1	5	6	3	5	9	5	5	11	2	2	1	2	1	5	2			2829.9
1958									114	33	33	4	24	22	27	23	2	9	9	11	5	5	4	2	5	7	4	5	2	5	4	3	3				3307.1
1959								23	75	46	46	37	45	33	4	5	4	7	1	3	18	5	4	6	3												2061.3
1960							48	133	13	68	35	11	10	4	3	2	5	1	2	3	7	3	7	4	2	2	2	1									1762.2
1961				19	82	92	31	63	52	5	8	4	1	5		3																					1064.8
1962			33	140	17	6	3		1		1	3	7	18	15	16	11	9	2	6	15	4	12	8	4	4	6	13	5		6						2661.2
1963						7	34	57	35	12	87	39	11	30	8	3	5	3	5	4	5	2	2	2	4	5	5											1969.6
1964						76	61	64	10	5	13		1	13	21	23	17	3	2	2	6	3	5	8	13	1	6	3	5	3	1		1					2456.1
1965							1	24	47	48	50	39	5	15	1		3	13	13	14	20	4	5	7	3	11	7	12	3	8	5	7					3508.8
1966										41	50	41	44	33	36	40	20	3	8	8	3	18	7	6	1	1	2	3									2887.2
1967							23	96	39	30	28	14	1	1	1	4	28	13	8	11	5	3	4	7	6	5	7	10	11	8	2						3044.1
1968								4	32	34	70	30	19	19	18	28	13	7	9	15	13	4	5	7	6	3	4	6	4	10	3	2		1			3254.1
1969									21	56	53	22	24	20	28	12	41	13	1	6	2	13	1	1	5	17	9	5	7	6	2						3603.6
1970									2	58	46	70	6	15	31	41	23	13	3	3	7	3	5	14	6	8	3	4	3	1							2839.3
1971									5	65	55	39	37	10	6	12	19	12	9	6	13	8	6	10	5	7	7	8	6	8	5	5	2				3254.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	0.446E 01	0.418E 01	0.367E 01	0.329E 01	0.300E 01	0.306E 01	0.731E 01	0.165E 02	0.134E 02	0.775E 01	0.596E 01	0.511E 01
1947	0.471E 01	0.417E 01	0.345E 01	0.302E 01	0.296E 01	0.310E 01	0.353E 01	0.260E 02	0.215E 02	0.131E 02	0.864E 01	0.752E 01
1948	0.567E 01	0.520E 01	0.514E 01	0.459E 01	0.412E 01	0.380E 01	0.349E 01	0.149E 02	0.127E 02	0.718E 01	0.577E 01	0.448E 01
1949	0.419E 01	0.375E 01	0.319E 01	0.300E 01	0.269E 01	0.278E 01	0.391E 01	0.180E 02	0.269E 02	0.133E 02	0.926E 01	0.711E 01
1950	0.650E 01	0.509E 01	0.468E 01	0.409E 01	0.392E 01	0.365E 01	0.492E 01	0.174E 02	0.315E 02	0.172E 02	0.107E 02	0.865E 01
1951	0.766E 01	0.645E 01	0.576E 01	0.516E 01	0.466E 01	0.422E 01	0.441E 01	0.171E 02	0.227E 02	0.135E 02	0.945E 01	0.713E 01
1952	0.574E 01	0.479E 01	0.396E 01	0.346E 01	0.347E 01	0.350E 01	0.850E 01	0.311E 02	0.472E 02	0.227E 02	0.151E 02	0.120E 02
1953	0.846E 01	0.677E 01	0.609E 01	0.558E 01	0.496E 01	0.455E 01	0.421E 01	0.643E 01	0.239E 02	0.113E 02	0.847E 01	0.609E 01
1954	0.523E 01	0.461E 01	0.438E 01	0.397E 01	0.406E 01	0.383E 01	0.361E 01	0.132E 02	0.638E 01	0.464E 01	0.375E 01	0.352E 01
1955	0.312E 01	0.298E 01	0.283E 01	0.268E 01	0.261E 01	0.260E 01	0.280E 01	0.127E 02	0.119E 02	0.609E 01	0.508E 01	0.416E 01
1956	0.393E 01	0.336E 01	0.285E 01	0.275E 01	0.280E 01	0.268E 01	0.330E 01	0.201E 02	0.161E 02	0.803E 01	0.659E 01	0.541E 01
1957	0.436E 01	0.375E 01	0.327E 01	0.307E 01	0.282E 01	0.296E 01	0.313E 01	0.628E 01	0.314E 02	0.156E 02	0.896E 01	0.741E 01
1958	0.624E 01	0.513E 01	0.457E 01	0.409E 01	0.400E 01	0.381E 01	0.380E 01	0.225E 02	0.273E 02	0.118E 02	0.828E 01	0.705E 01
1959	0.565E 01	0.524E 01	0.438E 01	0.384E 01	0.350E 01	0.349E 01	0.327E 01	0.999E 01	0.126E 02	0.611E 01	0.535E 01	0.424E 01
1960	0.399E 01	0.376E 01	0.315E 01	0.280E 01	0.309E 01	0.306E 01	0.338E 01	0.143E 02	0.901E 01	0.483E 01	0.410E 01	0.324E 01
1961	0.351E 01	0.334E 01	0.319E 01	0.286E 01	0.259E 01	0.233E 01	0.241E 01	0.442E 01	0.329E 01	0.233E 01	0.236E 01	0.235E 01
1962	0.209E 01	0.197E 01	0.181E 01	0.200E 01	0.207E 01	0.211E 01	0.401E 01	0.156E 02	0.278E 02	0.137E 02	0.816E 01	0.597E 01
1963	0.546E 01	0.456E 01	0.405E 01	0.344E 01	0.322E 01	0.294E 01	0.285E 01	0.119E 02	0.112E 02	0.589E 01	0.473E 01	0.432E 01
1964	0.379E 01	0.325E 01	0.300E 01	0.263E 01	0.267E 01	0.276E 01	0.281E 01	0.118E 02	0.226E 02	0.114E 02	0.754E 01	0.636E 01
1965	0.524E 01	0.461E 01	0.440E 01	0.401E 01	0.364E 01	0.344E 01	0.336E 01	0.101E 02	0.333E 02	0.215E 02	0.116E 02	0.999E 01
1966	0.848E 01	0.742E 01	0.625E 01	0.535E 01	0.467E 01	0.444E 01	0.635E 01	0.190E 02	0.124E 02	0.859E 01	0.628E 01	0.532E 01
1967	0.465E 01	0.405E 01	0.360E 01	0.326E 01	0.307E 01	0.301E 01	0.316E 01	0.106E 02	0.298E 02	0.168E 02	0.989E 01	0.818E 01
1968	0.684E 01	0.551E 01	0.470E 01	0.445E 01	0.423E 01	0.380E 01	0.352E 01	0.900E 01	0.312E 02	0.195E 02	0.102E 02	0.780E 01
1969	0.695E 01	0.583E 01	0.500E 01	0.469E 01	0.441E 01	0.410E 01	0.546E 01	0.279E 02	0.235E 02	0.123E 02	0.954E 01	0.837E 01
1970	0.699E 01	0.553E 01	0.501E 01	0.488E 01	0.433E 01	0.386E 01	0.393E 01	0.146E 02	0.187E 02	0.102E 02	0.794E 01	0.711E 01
1971	0.526E 01	0.466E 01	0.421E 01	0.383E 01	0.348E 01	0.354E 01	0.398E 01	0.194E 02	0.295E 02	0.156E 02	0.993E 01	0.739E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.5354E+01	0.4613E+01	0.4100E+01	0.3723E+01	0.3509E+01	0.3362E+01	0.4054E+01	0.1522E+02	0.2146E+02	0.1142E+02	0.7832E+01	0.6395E+01
0.2564E+01	0.1515E+01	0.1160E+01	0.8773E+00	0.5887E+00	0.4061E+00	0.2030E+01	0.4254E+02	0.1038E+03	0.2687E+02	0.7814E+01	0.4798E+01
0.1601E+01	0.1231E+01	0.1077E+01	0.9366E+00	0.7673E+00	0.6372E+00	0.1425E+01	0.6522E+01	0.1019E+02	0.5183E+01	0.2795E+01	0.2191E+01
0.2996E+00	0.2481E+00	0.1791E+00	0.3282E+00	0.1860E+00-0.3681E-02		0.1862E+01	0.7034E+00	0.2970E+00	0.3319E+00	0.2673E+00	0.3765E+00
0.2991E+00	0.2668E+00	0.2627E+00	0.2516E+00	0.2187E+00	0.1895E+00	0.3515E+00	0.4285E+00	0.4748E+00	0.4540E+00	0.3569E+00	0.3429E+00
0.5881E+01	0.5067E+01	0.4504E+01	0.4090E+01	0.3854E+01	0.3693E+01	0.4453E+01	0.1672E+02	0.2357E+02	0.1254E+02	0.8603E+01	0.7025E+01

09276000 Wolf Creek above Rhoades Canyon, near Hanna, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.985	0.969	*	*	*	*	*	*	*	*	*
*	1.000	0.982	0.965	*	*	*	*	*	*	*	*
*	*	1.000	0.987	0.969	*	*	*	*	*	*	*
*	*	*	1.000	0.981	0.958	*	*	*	*	*	*
*	*	*	*	1.000	0.980	0.297	*	*	*	*	*
*	*	*	*	*	1.000	0.373	0.185	*	*	*	*
*	*	*	*	*	*	1.000	0.629	0.359	*	*	*
*	*	*	*	*	*	*	1.000	0.321	0.295	*	*
*	*	*	*	*	*	*	*	1.000	0.967	0.968	*
*	*	*	*	*	*	*	*	*	1.000	0.971	0.959
*	*	*	*	*	*	*	*	*	*	1.000	0.981
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.967
SEPT-OCT 0.969
SEPT-NOV 0.957

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.256	0.208	0.153	0.189	0.255	0.355	0.043	-0.250	0.110	0.154	0.295	0.272

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09277500 Duchesne River near Tabiona, Utah

LOCATION.--Lat 40°18'01", long 110°36'06", in SE¼SW¼SE¼ sec.18, T.2 S., R.6 W., Uintah meridian, Duchesne County, on left bank on upstream side of bridge on State Highway 35, 6 miles (10 km) upstream from Rock Creek, and 7 miles (11 km) southeast of Tabiona.

DRAINAGE AREA.--352 sq mi (912 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 6,190 ft (1,887 m) from topographic map. Prior to Oct. 15, 1934, nonrecording gage, and Oct. 16, 1934 to Nov. 6, 1953, water-stage recorder, at site 0.5 mile (0.8 km) upstream at various datums.

EXTREMES.--Maximum discharge, 5,260 ft^3/s (149 m^3/s) June 16, 1963 (gage height, 7.97 ft or 2.429 m, from floodmarks), caused by failure of Little Deer Creek Dam 20 miles (32 km) upstream, from rating curve extended above 400 ft^3/s (11.3 m^3/s) on basis of slope-area measurement and area-velocity study of peak flow; minimum recorded, 27 ft^3/s (0.76 m^3/s) Oct. 17, 1934.

REMARKS.--Several diversions above station for irrigation, including a transmountain diversion through Duchesne tunnel 20 miles (32 km) upstream.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	53.00 4	53.30 3	54.30 3	54.70 3	57.90 1	63.70 2	71.20 2	87.60 7	97.10 11	137.00 6
1942	75.00 18	77.00 20	78.60 19	80.70 17	84.80 16	94.90 19	97.40 19	101.00 17	112.00 21	213.00 20
1943	50.00 3	61.70 7	66.00 9	68.00 7	69.20 6	83.90 12	91.70 14	96.80 14	96.80 10	195.00 15
1944	80.00 24	81.30 24	82.60 24	83.30 22	86.00 19	102.00 23	105.00 24	107.00 23	111.00 20	255.00 26
1945	65.00 10	65.00 9	65.90 8	72.00 10	85.10 17	88.10 14	94.00 17	96.30 13	102.00 15	220.00 21
1946	84.00 27	86.30 27	90.10 27	93.70 27	99.90 28	102.00 24	106.00 25	109.00 25	114.00 25	204.00 18
1947	64.00 9	65.00 10	68.30 11	75.60 14	81.00 14	87.70 13	91.50 13	103.00 19	108.00 18	199.00 16
1948	70.00 13	72.70 16	75.40 16	84.40 23	96.10 24	98.30 21	101.00 20	104.00 20	111.00 19	243.00 24
1949	71.00 15	71.70 14	72.10 13	73.90 12	75.20 9	76.20 8	79.70 5	86.40 5	93.30 6	167.00 10
1950	84.00 28	84.00 26	85.30 26	88.40 25	96.00 23	98.20 20	104.00 21	107.00 21	113.00 22	259.00 27
1951	75.00 19	75.70 18	76.90 18	80.10 16	89.70 21	109.00 28	111.00 28	116.00 28	121.00 29	281.00 30
1952	77.00 21	80.30 23	81.90 23	85.90 24	99.60 27	103.00 25	104.00 22	107.00 22	113.00 23	251.00 25
1953	102.00 31	104.00 31	104.00 29	105.00 29	108.00 29	113.00 29	116.00 29	120.00 29	120.00 28	351.00 31
1954	70.00 14	70.00 13	70.00 12	72.90 11	79.70 13	89.90 16	97.40 18	101.00 18	103.00 17	187.00 14
1955	43.00 2	45.00 2	49.00 2	53.70 2	59.70 2	63.30 1	70.50 1	71.20 1	80.60 1	101.00 2
1956	61.00 7	61.00 6	63.10 6	64.90 6	71.10 7	73.20 4	78.20 4	84.60 3	93.60 7	131.00 5
1957	66.00 11	66.30 11	67.90 10	68.60 8	71.10 8	74.00 5	79.80 6	85.00 4	87.60 3	174.00 12
1958	70.00 12	70.00 12	73.10 15	81.90 19	84.10 15	104.00 26	107.00 26	110.00 26	115.00 26	207.00 19
1959	72.00 16	72.70 15	72.90 14	75.20 13	77.00 11	79.90 9	82.10 7	87.60 8	94.60 8	183.00 13
1960	54.00 5	54.70 4	55.70 4	57.40 4	64.10 4	74.20 6	83.60 9	88.30 9	90.40 4	109.00 4
1961	57.00 6	57.70 5	60.00 5	60.40 5	65.60 5	73.00 3	76.00 3	79.80 2	83.30 2	104.00 3
1962	32.00 1	34.30 1	36.90 1	43.40 1	60.00 3	74.40 7	83.50 8	86.80 6	90.50 5	93.80 1
1963	80.00 25	80.00 22	80.00 20	81.40 18	90.00 22	93.00 18	93.70 16	98.20 16	102.00 16	202.00 17
1964	77.00 22	79.30 21	80.90 22	83.00 21	86.00 20	89.60 15	91.80 15	95.60 12	99.90 14	138.00 7
1965	74.00 17	74.30 17	75.70 17	76.40 15	77.20 12	81.60 10	87.00 11	93.80 10	95.40 9	170.00 11
1966	99.00 30	102.00 30	106.00 31	110.00 31	118.00 31	128.00 31	136.00 31	140.00 31	144.00 31	275.00 29
1967	76.00 20	77.00 19	80.10 21	82.80 20	85.80 18	90.10 17	91.30 12	94.40 11	99.30 13	143.00 8
1968	80.00 23	82.30 25	83.30 25	89.10 26	98.80 26	101.00 22	107.00 27	111.00 27	114.00 24	227.00 22
1969	98.00 29	100.00 29	105.00 30	106.00 30	109.00 30	113.00 30	117.00 30	120.00 30	128.00 30	235.00 23
1970	84.00 26	86.70 28	92.90 28	94.80 28	97.40 25	104.00 27	104.00 23	108.00 24	120.00 27	259.00 28
1971	64.00 9	64.30 8	65.60 7	71.10 9	76.00 10	82.20 11	86.40 10	97.00 15	98.00 12	150.00 9

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	1220.0 18	1160.0 16	1070.0 17	962.0 16	854.0 15	697.0 13	526.0 13	424.0 13	311.0 13	207.0 13
1942	1250.0 17	1160.0 17	1030.0 19	987.0 15	858.0 14	579.0 18	472.0 16	391.0 16	290.0 17	200.0 14
1943	1200.0 19	1130.0 19	1120.0 15	925.0 19	825.0 18	754.0 10	654.0 5	539.0 5	399.0 6	250.0 7
1944	1180.0 20	1150.0 18	1060.0 18	934.0 18	889.0 13	759.0 9	572.0 10	466.0 9	342.0 10	226.0 10
1945	834.0 24	774.0 23	727.0 23	674.0 23	645.0 22	581.0 17	462.0 18	388.0 17	292.0 16	198.0 16
1946	897.0 22	848.0 22	771.0 22	707.0 21	664.0 20	601.0 15	472.0 17	384.0 18	287.0 18	198.0 17
1947	1330.0 13	1260.0 14	1100.0 16	956.0 17	932.0 11	791.0 7	616.0 8	501.0 8	376.0 8	246.0 8
1948	1260.0 16	1240.0 15	1170.0 13	1030.0 14	800.0 19	510.0 22	385.0 23	316.0 23	241.0 23	172.0 23
1949	1430.0 12	1400.0 12	1390.0 9	1240.0 9	1050.0 9	856.0 3	695.0 3	561.0 3	404.0 4	251.0 6
1950	1680.0 6	1620.0 6	1500.0 5	1350.0 3	1280.0 2	958.0 2	747.0 2	610.0 2	440.0 2	278.0 2
1951	1800.0 2	1770.0 2	1590.0 3	1200.0 11	1110.0 5	827.0 5	630.0 7	525.0 7	390.0 7	255.0 4
1952	1940.0 1	1910.0 1	1860.0 1	1740.0 1	1430.0 1	1230.0 1	986.0 1	798.0 1	582.0 1	348.0 1
1953	1660.0 7	1570.0 7	1370.0 11	1110.0 12	834.0 17	544.0 21	426.0 21	357.0 20	273.0 20	194.0 18
1954	448.0 28	408.0 28	368.0 28	327.0 28	248.0 29	187.0 30	156.0 30	141.0 30	129.0 28	107.0 30
1955	807.0 25	750.0 25	608.0 25	470.0 25	383.0 26	302.0 27	239.0 26	205.0 27	165.0 27	127.0 27
1956	1310.0 14	1270.0 13	1170.0 14	1030.0 13	847.0 16	561.0 19	427.0 20	348.0 21	263.0 21	178.0 21
1957	1770.0 3	1750.0 3	1600.0 2	1300.0 6	1000.0 10	634.0 14	488.0 14	401.0 15	297.0 15	194.0 19
1958	1550.0 9	1500.0 9	1390.0 10	1230.0 10	906.0 12	598.0 16	451.0 19	367.0 19	276.0 19	193.0 20
1959	327.0 30	319.0 30	307.0 30	281.0 29	233.0 30	199.0 28	165.0 28	147.0 29	126.0 30	109.0 28
1960	393.0 29	365.0 29	333.0 29	273.0 30	259.0 28	191.0 29	164.0 29	148.0 28	127.0 29	109.0 29
1961	260.0 31	227.0 31	190.0 31	153.0 31	121.0 31	106.0 31	98.5 31	95.2 31	90.5 31	87.7 31
1962	953.0 21	922.0 21	854.0 20	690.0 22	565.0 23	546.0 20	476.0 15	402.0 14	301.0 14	199.0 15
1963	788.0 26	551.0 27	433.0 27	416.0 27	396.0 25	303.0 26	238.0 27	206.0 26	175.0 26	139.0 26
1964	1270.0 15	1100.0 20	853.0 21	738.0 20	660.0 21	505.0 23	386.0 22	320.0 22	244.0 22	172.0 22
1965	1710.0 4	1640.0 4	1540.0 4	1360.0 2	1100.0 6	807.0 6	634.0 6	530.0 6	405.0 3	251.0 5
1966	634.0 27	567.0 26	516.0 26	442.0 26	374.0 27	304.0 25	262.0 25	233.0 25	199.0 25	163.0 24
1967	1530.0 10	1470.0 10	1430.0 7	1330.0 4	1100.0 7	785.0 8	575.0 9	459.0 11	339.0 12	221.0 12
1968	1690.0 5	1620.0 5	1410.0 8	1260.0 8	1190.0 3	748.0 11	556.0 12	455.0 12	341.0 11	228.0 9
1969	1440.0 11	1410.0 11	1340.0 12	1300.0 7	1170.0 4	854.0 4	668.0 4	543.0 4	399.0 5	263.0 3
1970	880.0 23	764.0 24	686.0 24	638.0 24	558.0 24	392.0 24	302.0 24	253.0 24	201.0 24	158.0 25
1971	1580.0 8	1560.0 8	1490.0 6	1310.0 5	1050.0 8	737.0 12	565.0 11	465.0 10	346.0 9	225.0 11

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09277500 Duchesne River near Tabiona, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	11322	100.0	9	83.00	1311	10197	90.1	18	280.0	142	1583	14.0	27	940	109	338	2.9
1	28.00	0	11322	100.0	10	94.00	2548	8886	78.5	19	320.0	130	1441	12.7	28	1100	59	229	2.0
2	32.00	2	11322	100.0	11	110.00	1346	6338	56.0	20	360.0	169	1311	11.6	29	1200	91	170	1.5
3	37.00	8	11320	100.0	12	120.00	1547	4992	44.1	21	420.0	104	1142	10.1	30	1400	49	79	.6
4	42.00	5	11312	99.9	13	140.00	707	3445	30.4	22	480.0	128	1038	9.2	31	1600	22	30	.2
5	48.00	27	11307	99.9	14	160.00	458	2738	24.2	23	550.0	139	910	8.0	32	1800	8	8	.0
6	55.00	84	11280	99.6	15	190.00	209	2280	20.1	24	630.0	157	771	6.8	33	2100			
7	63.00	197	11196	98.9	16	210.00	253	2071	18.3	25	720.0	155	614	5.4	34	2400			
8	72.00	802	10999	97.1	17	240.00	235	1818	16.1	26	820.0	121	459	4.1					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1941									35	10	2	59	33	24	23	17	3	5	8	2	3	3	2	4	2	12	11	7	5	4	1					75596.0
1942								1	24	20	25	78	43	40	26	16	8	14	16	11	7	3	2	2	4	4	3	7	8	2	1					72864.0
1943							1		2	9	48	96	22	37	23	19	9	9	3	3	4	3	10	5	16	15	10	9	7	4	1					91245.0
1944									8	9	30	87	54	49	43	11	4	4	2	2	4	2	3	4	7	9	9	16	5	4						82578.0
1945											58	97	33	53	17	29	2	2	8	4	3	6	5	9	19	14	5	1								72420.0
1946									8	17	23	98	49	76	12	7	2	3	3	4	1	7	10	10	12	7	12	4								72397.0
1947									1	3	4	75	34	92	44	18	13	6	4	3	3	5	2	7	4	11	16	5	7	4	4					89826.0
1948									2	56	28	99	41	53	25	12	6	4	6	2	3	2	2	2	3	3	1	6	4	3	3					63060.0
1949									1	16	61	119	46	13	7	5	2	6	6	3	2	10	6	10	4	12	9	5	9	4	7	2				91764.0
1950										12	11	99	33	48	42	14	3	5	18	7	6	6	5	8	6	4	3	3	7	5	13	4	3			101595.0
1951											2	15	52	61	53	47	23	15	24	8	7	4	6	2	2	4	2	13	6	5	3	5	2	3	1	93037.0
1952											3	10	67	31	78	12	32	14	18	11	4	5	4	3	3	4	3	10	8	12	6	7	8	6	7	127304.0
1953										10	12	6	49	82	86	39	15	7	7	8	3	5	5	4	4	4	5	2	2	3	1	3	2	1			70732.0
1954								2	14	28	24	23	41	25	30	42	10	6	4	1	1	7	3	3	1												39174.0
1955										6	9	29	126	97	24	17	5	4	6	4	10	11	5	3	2	3		2	2								44514.0
1956										25	43	44	87	52	31	11	9	8	8	8	3	2	5	2	1	1	4	7	4	6	2	3				65215.0
1957										3	37	111	65	18	27	15	13	13	13	10	5		3	2	1	3	4	7	3	1	2	2	3	4		70946.0
1958											24	47	52	69	68	33	8	9	5	6	2	8	8	1	2	2	2	2	1	4	3	3	4				70437.0
1959									4	16	9	74	76	68	46	17	11	17	6	8	5	7	1														39685.0
1960										8	17	76	74	78	53	20	3	4	4	12	9	5	1	2													40062.0
1961							2	8	3	8	25	181	23	57	70	22	15	4	6	2	1	1																32013.0
1962											21	27	41	83	41	30	12	12	3	8	6	4	9	18	9	18	6	10	3	3	1					72597.0
1963												12	38	126	76	49	11	8	3	2	4	6	8	14	6	1			1								50738.0
1964												14	77	114	20	62	8	8	3	7	4	2	5	12	1	7	6	4	7	3		1	1				62911.0
1965												69	17	57	37	23	12	18	9	29	13	10	10	9	5	5	6	9	5	7	3		4	5	3		91663.0
1966												15	22	25	18	99	73	36	17	14	19	6	8	5	3	4		1									59501.0
1967												2	31	139	86	31	7	4	2	2	4	4	2	3	5	2	5	5	7	6	4	2	7	5			80713.0
1968												1	16	72	48	99	43	19	10	7	9	3	4		1	2	1	1	2	3	7	4	7	5	2		83352.0
1969													31	65	94	58	18	8	9	8	3	5	14	6	4	3	5	4	6	3	4	15	2				96137.0
1970										10	24	301	07	39	55	21	29	5	3	5	1	7	4	3	6	10	4	1	1								57499.0
1971											5	15	42	77	40	66	10	21	9	13	12	8	2	4	1	2	7	5	3	5	6	1	4	7			82096.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.115E 03	0.915E 02	0.879E 02	0.844E 02	0.829E 02	0.875E 02	0.110E 03	0.530E 03	0.149E 03	0.748E 02	0.603E 02	0.102E 03
1941	0.146E 03	0.111E 03	0.917E 02	0.850E 02	0.841E 02	0.937E 02	0.118E 03	0.715E 03	0.656E 03	0.185E 03	0.936E 02	0.997E 02
1942	0.150E 03	0.123E 03	0.111E 03	0.963E 02	0.932E 02	0.103E 03	0.240E 03	0.472E 03	0.677E 03	0.160E 03	0.700E 02	0.999E 02
1943	0.111E 03	0.110E 03	0.991E 02	0.926E 02	0.100E 03	0.115E 03	0.348E 03	0.751E 03	0.756E 03	0.278E 03	0.147E 03	0.870E 02
1944	0.127E 03	0.133E 03	0.114E 03	0.107E 03	0.100E 03	0.111E 03	0.151E 03	0.608E 03	0.832E 03	0.250E 03	0.861E 02	0.908E 02
1945	0.120E 03	0.119E 03	0.103E 03	0.954E 02	0.915E 02	0.950E 02	0.113E 03	0.513E 03	0.629E 03	0.230E 03	0.160E 03	0.107E 03
1946	0.132E 03	0.126E 03	0.117E 03	0.107E 03	0.100E 03	0.110E 03	0.320E 03	0.613E 03	0.459E 03	0.117E 03	0.914E 02	0.837E 02
1947	0.126E 03	0.134E 03	0.116E 03	0.100E 03	0.106E 03	0.119E 03	0.163E 03	0.888E 03	0.671E 03	0.242E 03	0.153E 03	0.126E 03
1948	0.112E 03	0.136E 03	0.116E 03	0.103E 03	0.100E 03	0.991E 02	0.130E 03	0.602E 03	0.402E 03	0.109E 03	0.811E 02	0.756E 02
1949	0.862E 02	0.115E 03	0.108E 03	0.935E 02	0.897E 02	0.102E 03	0.236E 03	0.726E 03	0.972E 03	0.285E 03	0.103E 03	0.983E 02
1950	0.129E 03	0.137E 03	0.114E 03	0.100E 03	0.103E 03	0.109E 03	0.249E 03	0.617E 03	0.119E 04	0.361E 03	0.106E 03	0.130E 03
1951	0.116E 03	0.145E 03	0.134E 03	0.114E 03	0.111E 03	0.107E 03	0.183E 03	0.617E 03	0.948E 03	0.298E 03	0.178E 03	0.107E 03
1952	0.126E 03	0.128E 03	0.118E 03	0.104E 03	0.106E 03	0.102E 03	0.301E 03	0.116E 04	0.129E 04	0.364E 03	0.209E 03	0.166E 03
1953	0.112E 03	0.123E 03	0.131E 03	0.124E 03	0.115E 03	0.111E 03	0.135E 03	0.188E 03	0.827E 03	0.216E 03	0.168E 03	0.797E 02
1954	0.100E 03	0.127E 03	0.111E 03	0.999E 02	0.976E 02	0.945E 02	0.124E 03	0.241E 03	0.777E 02	0.832E 02	0.413E 02	0.681E 02
1955	0.957E 02	0.100E 03	0.954E 02	0.914E 02	0.845E 02	0.868E 02	0.104E 03	0.353E 03	0.243E 03	0.111E 03	0.882E 02	0.711E 02
1956	0.759E 02	0.113E 03	0.115E 03	0.997E 02	0.940E 02	0.104E 03	0.159E 03	0.518E 03	0.576E 03	0.124E 03	0.903E 02	0.713E 02
1957	0.815E 02	0.100E 03	0.103E 03	0.874E 02	0.850E 02	0.899E 02	0.843E 02	0.221E 03	0.996E 03	0.236E 03	0.139E 03	0.116E 03
1958	0.113E 03	0.138E 03	0.120E 03	0.113E 03	0.109E 03	0.100E 03	0.132E 03	0.676E 03	0.502E 03	0.136E 03	0.888E 02	0.828E 02
1959	0.770E 02	0.105E 03	0.114E 03	0.103E 03	0.856E 02	0.861E 02	0.981E 02	0.139E 03	0.225E 03	0.122E 03	0.817E 02	0.677E 02
1960	0.107E 03	0.111E 03	0.957E 02	0.830E 02	0.804E 02	0.964E 02	0.109E 03	0.208E 03	0.163E 03	0.104E 03	0.773E 02	0.781E 02
1961	0.758E 02	0.926E 02	0.995E 02	0.847E 02	0.778E 02	0.786E 02	0.621E 02	0.102E 03	0.102E 03	0.883E 02	0.682E 02	0.121E 03
1962	0.118E 03	0.109E 03	0.941E 02	0.781E 02	0.861E 02	0.963E 02	0.306E 03	0.535E 03	0.543E 03	0.204E 03	0.112E 03	0.103E 03
1963	0.117E 03	0.105E 03	0.109E 03	0.903E 02	0.987E 02	0.960E 02	0.106E 03	0.270E 03	0.332E 03	0.104E 03	0.113E 03	0.127E 03
1964	0.909E 02	0.125E 03	0.108E 03	0.953E 02	0.920E 02	0.885E 02	0.112E 03	0.414E 03	0.540E 03	0.189E 03	0.120E 03	0.899E 02
1965	0.785E 02	0.103E 03	0.114E 03	0.103E 03	0.922E 02	0.861E 02	0.149E 03	0.372E 03	0.108E 04	0.442E 03	0.197E 03	0.196E 03
1966	0.147E 03	0.147E 03	0.145E 03	0.147E 03	0.121E 03	0.151E 03	0.234E 03	0.370E 03	0.163E 03	0.138E 03	0.930E 02	0.957E 02
1967	0.943E 02	0.974E 02	0.116E 03	0.105E 03	0.100E 03	0.105E 03	0.112E 03	0.294E 03	0.102E 04	0.389E 03	0.115E 03	0.110E 03
1968	0.990E 02	0.121E 03	0.139E 03	0.126E 03	0.103E 03	0.100E 03	0.114E 03	0.278E 03	0.117E 04	0.211E 03	0.154E 03	0.130E 03
1969	0.137E 03	0.152E 03	0.132E 03	0.121E 03	0.115E 03	0.117E 03	0.276E 03	0.111E 04	0.560E 03	0.183E 03	0.122E 03	0.120E 03
1970	0.137E 03	0.149E 03	0.120E 03	0.106E 03	0.110E 03	0.976E 02	0.104E 03	0.275E 03	0.473E 03	0.150E 03	0.838E 02	0.860E 02
1971	0.946E 02	0.128E 03	0.984E 02	0.977E 02	0.106E 03	0.109E 03	0.180E 03	0.384E 03	0.104E 04	0.232E 03	0.134E 03	0.975E 02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09277500 Duchesne River near Tabiona, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1109E 03	0.1205E 03	0.1122E 03	0.1012E 03	0.9751E 02	0.1016E 03	0.1675E 03	0.4927E 03	0.6331E 03	0.2004E 03	0.1138E 03	0.1026E 03
0.4766E 03	0.2829E 03	0.1901E 03	0.2053E 03	0.1231E 03	0.1768E 03	0.6077E 04	0.6803E 05	0.1229E 06	0.9210E 04	0.1568E 04	0.7812E 03
0.2183E 02	0.1682E 02	0.1379E 02	0.1433E 02	0.1109E 02	0.1330E 02	0.7796E 02	0.2608E 03	0.3506E 03	0.9597E 02	0.3959E 02	0.2795E 02
-0.2465E-01	0.9476E-01	0.4623E 00	0.1144E 01	0.1440E 00	0.1497E 01	0.9493E 00	0.8171E 00	0.1046E 00	0.8187E 00	0.7865E 00	0.1478E 01
0.1968E 00	0.1395E 00	0.1229E 00	0.1417E 00	0.1138E 00	0.1309E 00	0.4654E 00	0.5294E 00	0.5538E 00	0.4788E 00	0.3478E 00	0.2724E 00
0.4712E 01	0.5121E 01	0.4764E 01	0.4297E 01	0.4142E 01	0.4315E 01	0.7116E 01	0.2093E 02	0.2689E 02	0.8515E 01	0.4836E 01	0.4356E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.582	0.227	*	*	*	*	*	*	*	*	*
*	1.000	0.659	0.642	*	*	*	*	*	*	*	*
*	*	1.000	0.937	0.809	*	*	*	*	*	*	*
*	*	*	1.000	0.834	0.688	*	*	*	*	*	*
*	*	*	*	1.000	0.770	0.356	*	*	*	*	*
*	*	*	*	*	1.000	0.545	0.356	*	*	*	*
*	*	*	*	*	*	1.000	0.646	0.296	*	*	*
*	*	*	*	*	*	*	1.000	0.338	0.319	*	*
*	*	*	*	*	*	*	*	1.000	0.866	0.717	*
*	*	*	*	*	*	*	*	*	1.000	0.731	0.662
*	*	*	*	*	*	*	*	*	*	1.000	0.647
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.321
SEPT-OCT 0.506
SEPT-NOV 0.570

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR,

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.170	0.138	0.344	0.341	0.406	0.035	-0.049	0.052	0.269	0.148	0.134	-0.017

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09277501 Combined flow of Duchesne River and Duchesne tunnel

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1942	75.00	13	77.00	14	78.60	14	80.70	13	84.80	13	94.90	14	97.40	13	101.00	11	112.00	18	213.00	14
1943	50.00	2	61.70	3	66.00	6	68.00	5	69.20	3	83.90	6	91.70	8	96.80	7	96.80	5	195.00	10
1944	80.00	19	81.30	19	82.60	19	83.30	16	86.00	15	102.00	20	105.00	21	107.00	20	111.00	16	255.00	21
1945	65.00	7	65.00	6	65.90	5	72.00	6	85.10	14	84.10	12	94.00	12	96.30	5	102.00	6	220.00	16
1946	84.00	23	86.30	24	90.10	24	93.70	24	99.90	24	102.00	21	106.00	22	109.00	22	114.00	21	204.00	12
1947	64.00	6	65.00	7	68.30	7	75.60	10	81.00	9	87.70	10	91.50	7	103.00	13	108.00	12	199.00	11
1948	70.00	8	72.70	11	75.40	12	84.40	18	96.10	22	98.30	19	101.00	17	104.00	17	111.00	17	243.00	18
1949	71.00	11	71.70	10	72.10	9	73.90	8	75.20	6	76.20	4	79.70	1	86.40	2	93.30	3	167.00	5
1950	84.00	24	84.00	22	85.30	21	88.40	21	96.00	21	98.20	18	104.00	19	107.00	18	113.00	19	259.00	22
1951	75.00	14	75.70	13	76.90	13	80.10	12	89.70	17	109.00	23	111.00	23	116.00	23	121.00	24	281.00	24
1952	77.00	16	80.30	18	81.90	18	85.90	20	99.60	23	103.00	22	104.00	20	107.00	19	113.00	20	251.00	20
1953	102.00	25	104.00	25	104.00	25	105.00	25	108.00	25	113.00	24	116.00	24	120.00	24	120.00	23	351.00	26
1954	70.00	9	70.00	8	70.00	8	72.90	7	79.70	8	91.60	13	103.00	18	108.00	21	108.00	13	190.00	9
1955	61.00	4	61.70	4	63.10	4	66.20	4	69.60	4	74.00	1	81.80	3	88.90	3	93.10	2	140.00	2
1956	71.00	10	71.30	9	74.00	10	77.90	11	84.10	12	85.00	8	92.00	9	99.40	10	106.00	10	177.00	6
1957	72.80	12	73.20	12	74.60	11	75.50	9	78.40	7	81.80	5	88.70	5	93.40	4	94.90	4	216.00	15
1958	82.00	20	82.00	20	85.60	22	91.80	23	95.20	20	114.00	25	117.00	25	120.00	25	125.00	25	249.00	19
1959	78.30	17	79.70	16	80.10	15	82.30	15	83.50	11	87.90	11	91.00	6	96.80	6	102.00	7	213.00	13
1960	61.00	5	61.70	5	62.90	3	64.70	3	71.00	5	84.70	7	93.20	11	98.00	8	104.00	9	160.00	4
1961	58.10	3	58.80	2	61.10	2	61.50	2	66.70	1	74.70	2	80.30	2	84.30	1	90.60	1	149.00	3
1962	46.00	1	49.30	1	53.30	1	57.90	1	67.30	2	76.10	3	87.60	4	103.00	14	119.00	22	125.00	1
1963	82.50	21	82.50	21	82.80	20	84.50	19	93.30	19	98.10	17	98.50	14	103.00	15	109.00	14	272.00	23
1964	84.00	22	86.30	23	87.90	23	89.80	22	92.90	18	96.30	16	99.00	16	103.00	16	109.00	15	189.00	8
1965	79.30	18	79.90	17	80.80	17	81.80	14	82.60	10	86.70	9	92.50	10	99.20	9	103.00	8	222.00	17
1966	106.00	26	108.00	26	109.00	26	111.00	26	119.00	26	129.00	26	136.00	26	140.00	26	144.00	26	325.00	25
1967	76.60	15	77.60	15	80.70	16	83.40	17	86.40	16	95.30	15	98.50	15	102.00	12	108.00	11	180.00	7

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	1220.0	16	1160.0	15	1070.0	16	962.0	15	854.0	15	697.0	15	526.0	15	424.0	15	311.0	15	207.0	15
1942	1250.0	15	1160.0	16	1030.0	18	987.0	14	858.0	14	579.0	18	472.0	16	391.0	16	290.0	17	200.0	16
1943	1200.0	17	1130.0	18	1120.0	14	925.0	18	825.0	17	754.0	12	654.0	7	539.0	7	399.0	7	250.0	8
1944	1180.0	18	1150.0	17	1060.0	17	934.0	17	889.0	13	759.0	11	572.0	11	466.0	11	342.0	11	226.0	11
1945	834.0	24	774.0	25	727.0	25	674.0	25	645.0	22	581.0	17	462.0	18	388.0	17	292.0	16	198.0	17
1946	897.0	23	848.0	23	771.0	23	707.0	21	664.0	20	601.0	16	472.0	17	384.0	18	287.0	18	198.0	18
1947	1330.0	13	1260.0	13	1100.0	15	956.0	16	932.0	12	791.0	9	616.0	10	501.0	10	376.0	9	246.0	9
1948	1260.0	14	1240.0	14	1170.0	13	1030.0	13	800.0	18	510.0	22	385.0	22	316.0	23	241.0	23	172.0	22
1949	1430.0	11	1400.0	9	1390.0	7	1240.0	7	1050.0	8	856.0	6	695.0	6	561.0	5	404.0	6	251.0	7
1950	1680.0	5	1620.0	5	1500.0	5	1350.0	4	1280.0	2	958.0	3	747.0	3	610.0	3	440.0	3	278.0	3
1951	1800.0	3	1770.0	3	1590.0	3	1200.0	9	1110.0	6	827.0	7	630.0	8	525.0	8	390.0	8	255.0	6
1952	1940.0	1	1910.0	1	1860.0	1	1740.0	1	1430.0	1	1230.0	1	986.0	1	798.0	1	582.0	1	348.0	1
1953	1660.0	6	1570.0	6	1370.0	9	1110.0	10	834.0	16	544.0	20	426.0	19	357.0	19	273.0	19	194.0	20
1954	748.0	26	766.0	26	734.0	24	704.0	22	521.0	26	352.0	26	279.0	26	236.0	26	191.0	26	146.0	26
1955	1040.0	20	986.0	19	852.0	19	699.0	23	650.0	21	513.0	21	390.0	21	322.0	22	245.0	22	172.0	23
1956	1440.0	10	1390.0	10	1270.0	11	1230.0	8	1080.0	7	741.0	13	567.0	13	460.0	13	340.0	12	222.0	14
1957	1880.0	2	1820.0	2	1670.0	2	1430.0	2	1170.0	4	794.0	8	622.0	9	508.0	9	372.0	10	236.0	10
1958	1550.0	7	1500.0	7	1390.0	8	1260.0	6	1030.0	9	722.0	14	545.0	14	441.0	14	328.0	14	224.0	12
1959	916.0	22	877.0	22	813.0	22	722.0	20	556.0	25	427.0	24	330.0	24	277.0	24	214.0	24	157.0	24
1960	833.0	25	799.0	24	713.0	26	618.0	26	575.0	24	404.0	25	321.0	25	273.0	25	212.0	25	157.0	25
1961	403.0	27	388.0	27	367.0	27	321.0	27	271.0	27	201.0	27	164.0	27	143.0	27	132.0	27	113.0	27
1962	1360.0	12	1340.0	11	1230.0	12	1080.0	12	954.0	11	859.0	5	728.0	4	599.0	4	436.0	4	277.0	4
1963	1140.0	19	910.0	21	837.0	21	813.0	19	754.0	19	555.0	19	418.0	20	343.0	20	269.0	20	189.0	21
1964	1510.0	9	1340.0	12	1330.0	10	1100.0	11	986.0	10	762.0	10	570.0	12	462.0	12	340.0	13	224.0	13
1965	1710.0	4	1640.0	4	1540.0	4	1380.0	3	1250.0	3	1020.0	2	810.0	2	676.0	2	505.0	2	305.0	2
1966	985.0	21	936.0	20	842.0	20	687.0	24	626.0	23	464.0	23	381.0	23	328.0	21	260.0	21	195.0	19
1967	1550.0	8	1480.0	8	1430.0	6	1340.0	5	1150.0	5	938.0	4	698.0	5	559.0	6	408.0	5	261.0	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS					DAYS					DAYS					DAYS		
CLASS	FT³/S	TOTAL	ACCUM	PERCT	CLASS	FT³/S	TOTAL	ACCUM	PERCT	CLASS	FT³/S	TOTAL	ACCUM	PERCT	CLASS	FT³/S	TOTAL	ACCUM	PERCT
0	0.00	0	9861	100.0	9	83.00	1044	9283	94.1	18	280.0	132	1628	16.5	27	940	138	369	3.7
1	28.00	0	9861	100.0	10	94.00	2247	8239	83.6	19	320.0	110	1496	15.2	28	1100	71	231	2.3
2	32.00	0	9861	100.0	11	110.00	1115	5992	60.8	20	360.0	122	1386	14.1	29	1200	89	160	1.6
3	37.00	0	9861	100.0	12	120.00	1535	4877	49.5	21	420.0	127	1264	12.8	30	1400	42	71	.7
4	42.00	1	9861	100.0	13	140.00	697	3342	33.9	22	480.0	131	1137	11.5	31	1600	19	29	.2
5	48.00	7	9860	100.0	14	160.00	434	2645	26.8	23	550.0	154	1006	10.2	32	1800	10	10	.1
6	55.00	33	9853	99.9	15	190.00	177	2211	22.4	24	630.0	177	852	8.6	33	2100			
7	63.00	131	9820	99.6	16	210.00	198	2034	20.6	25	720.0	166	675	6.8	34	2400			
8	72.00	406	9689	98.3	17	240.00	208	1836	18.6	26	820.0	140	509	5.2					

09277501 Combined flow of Duchesne River and Duchesne tunnel--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
YEAR	NUMBER OF DAYS IN CLASS																																			FT^3/S DAYS
1941									35	102	59	33	24	23	17	3	5	8	2	3	3	2	4	2	12	11	7	5	4	1						75596.0
1942							1	24	20	25	78	43	40	26	16	8	14	16	11	7	3	2	2	4	4	3	7	8	2	1						72864.0
1943						1		2	9	48	96	22	37	23	19	9	9	3	3	4	3	10	5	16	15	10	9	7	4	1						91245.0
1944								8	9	30	87	54	49	43	11	4	4	2	2	4	2	3	4	7	9	9	16	5	4							82578.0
1945									58	97	33	53	17	29	2	2	8	4	3	6	5	9	19	14	5	1										72420.0
1946								8	17	23	98	49	76	12	7	2	3	3	4	1	7	10	10	12	7	12	4									72397.0
1947								1	3	4	75	34	92	44	18	13	6	4	3	3	5	2	7	4	11	16	5	7	4	4						89826.0
1948								2	56	28	99	41	53	25	12	6	4	6	2	3	2	2	2	3	3	1	6	4	3	3						63060.0
1949								1	16	61	119	46	13	7	5	2	6	6	3	2	10	6	10	4	12	9	5	9	4	7	2					91764.0
1950									12	11	99	33	48	42	14	3	5	18	7	6	6	5	8	6	4	3	3	7	5	13	4	3				101595.0
1951									2	15	52	61	53	47	23	15	24	8	7	4	6	2	2	4	2	13	6	5	3	5	2	3	1			93037.0
1952									3	10	67	31	78	12	32	14	18	11	4	5	4	3	3	4	3	10	8	12	6	7	8	6	7			127304.0
1953							10	12	6	49	82	86	39	15	7	7	8	3	5	5	4	4	4	5	2	2	3	1	3	2	1					70732.0
1954							4	26	22	111	22	44	67	18	9	4	6	6	4	2	1	2	3	1	5	8										53431.7
1955								2	12	69	150	26	28	14	6	3	2	3	3	3	7	10	3	4	10	3	4	3								62684.4
1956									36	33	57	61	69	25	4	5	5	9	10	6	5	4	3	3	3	3	2	8	4	9	2					81295.3
1957									11	84	101	22	19	13	22	6	6	15	8	9	7	4	1	3	3	4	6	7	3	1	5	3	2			85965.5
1958									1	29	75	161	108	44	18	5	7	6	3	3	5	6	9	4	1	4	2	5	6	4	4					81896.6
1959							2	15	23	69	82	49	52	8	6	2	2	11	11	2	8	5	3	2	7	2	4									57204.2
1960							6	18	22	66	58	23	81	29	14	7	1	1	3	4	3	9	4	8	4	4	1									57504.0
1961						1	6	20	14	53	101	75	29	10	4	16	8	7	6	4	7	4															41091.8
1962										24	80	40	48	33	28	10	5	8	4	3	3	9	11	10	11	4	10	10	7	7						101094.9
1963									4	18	103	56	87	24	13	4	4	6	4	1	2	2	4	6	6	11	9		1							69112.1
1964										40	125	39	43	31	18	5	1	4	3	3	3	3	2	7	13	8	2	6		9	1					81996.0
1965									16	59	32	43	47	10	14	8	25	13	9	8	6	10	4	8	4	4	11	13	5	7	6	3				111314.3
1966									12	18	28	20	86	66	38	16	18	15	8	6	2	4	10	8	4	2	3	1								71300.6
1967										2	84	85	88	18	10	6	2	4	3	3	4	3	4	1	5	5	7	13	5	7	6					95168.1

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.146E+03	0.111E+03	0.917E+02	0.856E+02	0.841E+02	0.937E+02	0.118E+03	0.715E+03	0.656E+03	0.185E+03	0.936E+02	0.997E+02
1942	0.150E+03	0.121E+03	0.111E+03	0.963E+02	0.932E+02	0.103E+03	0.240E+03	0.472E+03	0.677E+03	0.160E+03	0.700E+02	0.999E+02
1943	0.111E+03	0.110E+03	0.991E+02	0.926E+02	0.100E+03	0.115E+03	0.348E+03	0.751E+03	0.756E+03	0.278E+03	0.147E+03	0.870E+02
1944	0.127E+03	0.133E+03	0.114E+03	0.107E+03	0.100E+03	0.111E+03	0.151E+03	0.609E+03	0.832E+03	0.250E+03	0.861E+02	0.904E+02
1945	0.120E+03	0.110E+03	0.103E+03	0.954E+02	0.915E+02	0.950E+02	0.113E+03	0.513E+03	0.629E+03	0.230E+03	0.160E+03	0.107E+03
1946	0.132E+03	0.126E+03	0.117E+03	0.107E+03	0.100E+03	0.110E+03	0.320E+03	0.613E+03	0.459E+03	0.117E+03	0.914E+02	0.837E+02
1947	0.126E+03	0.134E+03	0.115E+03	0.100E+03	0.106E+03	0.119E+03	0.163E+03	0.888E+03	0.671E+03	0.242E+03	0.153E+03	0.126E+03
1948	0.112E+03	0.136E+03	0.116E+03	0.103E+03	0.100E+03	0.991E+02	0.130E+03	0.602E+03	0.402E+03	0.109E+03	0.811E+02	0.756E+02
1949	0.462E+02	0.115E+03	0.108E+03	0.935E+02	0.897E+02	0.102E+03	0.236E+03	0.726E+03	0.972E+03	0.285E+03	0.103E+03	0.983E+02
1950	0.129E+03	0.137E+03	0.114E+03	0.100E+03	0.103E+03	0.109E+03	0.249E+03	0.617E+03	0.119E+04	0.361E+03	0.106E+03	0.130E+03
1951	0.116E+03	0.145E+03	0.134E+03	0.114E+03	0.111E+03	0.167E+03	0.183E+03	0.617E+03	0.948E+03	0.298E+03	0.178E+03	0.107E+03
1952	0.126E+03	0.128E+03	0.119E+03	0.104E+03	0.106E+03	0.102E+03	0.301E+03	0.116E+04	0.129E+04	0.364E+03	0.209E+03	0.166E+03
1953	0.112E+03	0.123E+03	0.191E+03	0.124E+03	0.115E+03	0.111E+03	0.135E+03	0.149E+03	0.827E+03	0.216E+03	0.169E+03	0.797E+02
1954	0.104E+03	0.135E+03	0.114E+03	0.107E+03	0.105E+03	0.102E+03	0.155E+03	0.505E+03	0.161E+03	0.110E+03	0.724E+02	0.774E+02
1955	0.103E+03	0.109E+03	0.102E+03	0.979E+02	0.910E+02	0.953E+02	0.112E+03	0.534E+03	0.476E+03	0.144E+03	0.109E+03	0.845E+02
1956	0.860E+02	0.123E+03	0.125E+03	0.111E+03	0.105E+03	0.113E+03	0.195E+03	0.761E+03	0.698E+03	0.163E+03	0.104E+03	0.789E+02
1957	0.897E+02	0.107E+03	0.110E+03	0.944E+02	0.916E+02	0.976E+02	0.952E+02	0.319E+03	0.117E+04	0.361E+03	0.168E+03	0.127E+03
1958	0.126E+03	0.153E+03	0.130E+03	0.123E+03	0.119E+03	0.109E+03	0.152E+03	0.762E+03	0.661E+03	0.164E+03	0.101E+03	0.925E+02
1959	0.835E+02	0.112E+03	0.121E+03	0.109E+03	0.925E+02	0.941E+02	0.119E+03	0.264E+03	0.542E+03	0.170E+03	0.913E+02	0.791E+02
1960	0.132E+03	0.130E+03	0.106E+03	0.914E+02	0.899E+02	0.109E+03	0.155E+03	0.404E+03	0.387E+03	0.124E+03	0.780E+02	0.792E+02
1961	0.849E+02	0.103E+03	0.109E+03	0.908E+02	0.837E+02	0.856E+02	0.761E+02	0.251E+03	0.145E+03	0.893E+02	0.692E+02	0.162E+03
1962	0.150E+03	0.133E+03	0.113E+03	0.935E+02	0.101E+03	0.110E+03	0.387E+03	0.745E+03	0.954E+03	0.286E+03	0.129E+03	0.111E+03
1963	0.127E+03	0.111E+03	0.114E+03	0.936E+02	0.105E+03	0.102E+03	0.117E+03	0.477E+03	0.617E+03	0.143E+03	0.120E+03	0.145E+03
1964	0.104E+03	0.137E+03	0.116E+03	0.103E+03	0.985E+02	0.956E+02	0.121E+03	0.616E+03	0.788E+03	0.280E+03	0.136E+03	0.929E+02
1965	0.941E+02	0.109E+03	0.121E+03	0.113E+03	0.102E+03	0.951E+02	0.168E+03	0.511E+03	0.122E+04	0.683E+03	0.249E+03	0.198E+03
1966	0.148E+03	0.144E+03	0.146E+03	0.148E+03	0.122E+03	0.151E+03	0.243E+03	0.614E+03	0.271E+03	0.150E+03	0.936E+02	0.103E+03
1967	0.106E+03	0.109E+03	0.126E+03	0.114E+03	0.104E+03	0.113E+03	0.126E+03	0.432E+03	0.111E+04	0.501E+03	0.146E+03	0.122E+03

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS (MEAN, VARIANCE, STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION, PERCENTAGE OF AVERAGE FLOW)											
0.1158E+03	0.1243E+03	0.1159E+03	0.1041E+03	0.1005E+03	0.1055E+03	0.1817E+03	0.5812E+03	0.7222E+03	0.2394E+03	0.1227E+03	0.1075E+03
0.4763E+03	0.1452E+03	0.1349E+03	0.1724E+03	0.9440E+02	0.1494E+03	0.6696E+04	0.4305E+05	0.9957E+05	0.1763E+05	0.2032E+04	0.9646E+03
0.2184E+02	0.1365E+02	0.1157E+02	0.1313E+02	0.9716E+01	0.1222E+02	0.8183E+02	0.2075E+03	0.3155E+03	0.1328E+03	0.4508E+02	0.3106E+02
0.9407E-01	0.1608E+00	0.4174E+00	0.1499E+01	0.2792E+00	0.1895E+01	0.1096E+01	0.4526E+00	0.2598E-01	0.1699E+01	0.1062E+01	0.1373E+01
0.1884E+00	0.1094E+00	0.9983E-01	0.1261E+00	0.9666E-01	0.1159E+00	0.4503E+00	0.3570E+00	0.4369E+00	0.5547E+00	0.3674E+00	0.2889E+00
0.4420E+01	0.4742E+01	0.4493E+01	0.3972E+01	0.3835E+01	0.4025E+01	0.6933E+01	0.2214E+02	0.2756E+02	0.9134E+01	0.4681E+01	0.4102E+01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09279501 Combined flow of Duchesne River and Duchesne tunnel--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.479	-0.028	*	*	*	*	*	*	*	*	*
*	1.000	0.537	0.497	*	*	*	*	*	*	*	*
*	*	1.000	0.918	0.845	*	*	*	*	*	*	*
*	*	*	1.000	0.825	0.660	*	*	*	*	*	*
*	*	*	*	1.000	0.710	0.239	*	*	*	*	*
*	*	*	*	*	1.000	0.443	0.268	*	*	*	*
*	*	*	*	*	*	1.000	0.557	0.253	*	*	*
*	*	*	*	*	*	*	1.000	0.299	0.134	*	*
*	*	*	*	*	*	*	*	1.000	0.839	0.715	*
*	*	*	*	*	*	*	*	*	1.000	0.740	0.620
*	*	*	*	*	*	*	*	*	*	1.000	0.586
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.219
SEPT-OCT 0.493
SEPT-NOV 0.531

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.106	-0.527	0.189	0.281	0.145	-0.121	-0.218	-0.283	0.063	-0.030	0.037	-0.124

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09277800 Rock Creek above South Fork, near Hanna, Utah

LOCATION.--Lat 40°33'27", long 110°41'50", in NE¼ sec.20, T.2 N., R.7 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 600 ft (180 m) downstream from Upper Stillwater campground horse-trail bridge, 1 mile (1.6 km) upstream from South Fork, and 11 miles (18 km) north of Hanna.

DRAINAGE AREA.--98 sq mi (254 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,920 ft (2,414 m) from river-profile map.

EXTREMES.--Maximum discharge, 2,110 ft^3/s (59.8 m^3/s) June 19, 1968 (gage height, 4.77 ft or 1.454 m); minimum recorded, 11 ft^3/s (0.31 m^3/s) Apr. 4, 1970, result of freezeup.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1967	18.00	3	18.00	3	18.40	3	18.90	2	20.00	2	21.60	2	22.80	2	24.80	3	30.60	4	101.00	1
1968	20.00	4	20.00	4	20.30	4	21.30	4	21.60	4	22.60	4	23.20	3	24.10	2	27.90	2	168.00	4
1969	23.00	5	23.00	5	23.40	5	24.00	5	24.80	5	25.50	5	25.90	5	26.70	5	33.10	5	168.00	5
1970	17.00	2	17.00	2	17.40	1	18.00	1	18.20	1	19.10	1	20.60	1	21.60	1	27.10	1	148.00	3
1971	16.00	1	16.00	1	18.00	2	20.90	3	21.10	3	22.00	3	23.30	4	25.80	4	30.60	3	124.00	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1966	749.0	6	688.0	6	626.0	6	571.0	6	521.0	6	381.0	6	285.0	6	234.0	6	172.0	6	104.0	6
1967	1450.0	3	1370.0	3	1290.0	3	1190.0	3	939.0	3	759.0	1	571.0	1	449.0	1	308.0	1	170.0	1
1968	1680.0	2	1620.0	2	1500.0	2	1260.0	2	1100.0	1	718.0	3	536.0	3	433.0	3	303.0	3	166.0	3
1969	1240.0	4	1190.0	4	1090.0	4	1020.0	4	856.0	4	636.0	4	478.0	4	382.0	4	268.0	4	151.0	4
1970	1120.0	5	1050.0	5	992.0	5	923.0	5	733.0	5	536.0	5	390.0	5	310.0	5	218.0	5	123.0	5
1971	1970.0	1	1900.0	1	1810.0	1	1520.0	1	1080.0	2	740.0	2	552.0	2	437.0	2	306.0	2	169.0	2

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2191	100.0	9	51.00	116	968	44.2	18	190.0	28	380	17.3	27	700	30	119	5.4
1	16.00	17	2191	100.0	10	59.00	76	852	38.9	19	220.0	25	352	16.1	28	800	21	89	4.0
2	18.00	125	2174	99.2	11	68.00	104	776	35.4	20	250.0	23	327	14.9	29	930	26	68	3.1
3	21.00	281	2049	93.5	12	79.00	79	672	30.7	21	290.0	26	304	13.9	30	1100	10	42	1.9
4	25.00	263	1768	80.7	13	91.00	64	593	27.1	22	340.0	21	278	12.7	31	1200	13	32	1.4
5	29.00	110	1505	68.7	14	110.00	36	529	24.1	23	390.0	32	257	11.7	32	1400	12	19	.8
6	33.00	153	1395	63.7	15	120.00	30	493	22.5	24	450.0	35	225	10.3	33	1700	5	7	.3
7	38.00	147	1242	56.7	16	140.00	38	463	21.1	25	520.0	34	190	8.7	34	1900	2	2	.0
8	44.00	127	1095	50.0	17	160.00	45	425	19.4	26	600.0	37	156	7.1					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1966	5	42	28	13	7	16	28	29	38	22	31	25	14	3	5	5	3	4	2	6	8	5	5	6	6	8	1									38123.0
1967		19	55	49	22	28	24	21	19	9	13	9	7	2	2	7	7	1	4	4	4	2	4	7	8	9	6	9	1	5	6	2				61957.0
1968		9	61	66	32	26	8	5	5	8	14	13	12	5	2	11	24	12	3	3	3	4	3	4	3	3	4	4	6	1	5	7				60574.0
1969			11	88	25	26	17	31	27	11	14	9	11	8	8	6	6	2	4	3	4	5	8	7	5	5	9	2	10	2	1					55090.0
1970	12	42	71	29	11	14	25	20	18	15	14	10	10	7	7	4	1	2	6	2	3		6	8	5	7	5	3	7	1						44772.0
1971		13	55	18	13	43	45	21	9	11	18	13	10	11	6	5	4	7	6	5	4	5	6	3	7	5	5	3	2	1	1	3	5	2		61623.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	0.469E+02	0.361E+02	0.309E+02	0.252E+02	0.229E+02	0.204E+02	0.284E+02	0.305E+03	0.879E+03	0.462E+03	0.117E+03	0.590E+02
1968	0.417E+02	0.287E+02	0.266E+02	0.235E+02	0.228E+02	0.238E+02	0.317E+02	0.174E+03	0.110E+04	0.288E+03	0.160E+03	0.774E+02
1969	0.533E+02	0.366E+02	0.292E+02	0.266E+02	0.263E+02	0.249E+02	0.710E+02	0.741E+03	0.504E+03	0.164E+03	0.749E+02	0.470E+02
1970	0.416E+02	0.339E+02	0.245E+02	0.236E+02	0.194E+02	0.184E+02	0.230E+02	0.363E+03	0.629E+03	0.157E+03	0.669E+02	0.704E+02
1971	0.422E+02	0.366E+02	0.321E+02	0.252E+02	0.223E+02	0.238E+02	0.672E+02	0.289E+03	0.106E+04	0.297E+03	0.873E+02	0.506E+02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09277800 Rock Creek above South Fork, near Hanna, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.4515E+02	0.3437E+02	0.2867E+02	0.2483E+02	0.2283E+02	0.2225E+02	0.4425E+02	0.3742E+03	0.8330E+03	0.2737E+03	0.1016E+03	0.6090E+02
0.2548E+02	0.1130E+02	0.9817E+01	0.1718E+01	0.5314E+01	0.7563E+01	0.5263E+03	0.4668E+05	0.6785E+05	0.1550E+05	0.1410E+04	0.1667E+03
0.5047E+01	0.3361E+01	0.3133E+01	0.1311E+01	0.2305E+01	0.2750E+01	0.2294E+02	0.2161E+03	0.2605E+03	0.1245E+03	0.3755E+02	0.1291E+02
0.1413E+01	-0.1702E+01	-0.4108E+00	0.2694E+00	0.4734E+00	-0.7574E+00	0.5393E+00	0.1667E+01	-0.3441E+00	0.8252E+00	0.1115E+01	0.3116E+00
0.1118E+00	0.9781E-01	0.1093E+00	0.5280E-01	0.1010E+00	0.1236E+00	0.5185E+00	0.5773E+00	0.3127E+00	0.4549E+00	0.3697E+00	0.2120E+00
0.2420E+01	0.1842E+01	0.1537E+01	0.1331E+01	0.1224E+01	0.1193E+01	0.2371E+01	0.2006E+02	0.4465E+02	0.1467E+02	0.5444E+01	0.3264E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.522	0.314	*	*	*	*	*	*	*	*	*
*	1.000	0.626	0.789	*	*	*	*	*	*	*	*
*	*	1.000	0.677	0.446	*	*	*	*	*	*	*
*	*	*	1.000	0.798	0.503	*	*	*	*	*	*
*	*	*	*	1.000	0.789	0.680	*	*	*	*	*
*	*	*	*	*	1.000	0.791	0.305	*	*	*	*
*	*	*	*	*	*	1.000	0.591	-0.143	*	*	*
*	*	*	*	*	*	*	1.000	-0.859	-0.527	*	*
*	*	*	*	*	*	*	*	1.000	0.598	0.719	*
*	*	*	*	*	*	*	*	*	1.000	0.542	0.006
*	*	*	*	*	*	*	*	*	*	1.000	0.564
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.848

SEPT-OCT 0.728

SEPT-NOV 0.536

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR,

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.537	-0.634	-0.863	-0.854	-0.420	-0.537	-0.686	-0.358	-0.234	0.306	0.160	-0.834

09278000 South Fork Rock Creek near Hanna, Utah

LOCATION.--Lat 40°32'54", long 110°41'37", sec.21, T.2 N., R.7 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 100 ft (30 m) upstream from road bridge, 1 mile (2 km) upstream from mouth, and 11 miles (18 km) northeast of Hanna.

DRAINAGE AREA.--14 sq mi (36 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,860 ft (2,396 m) from river-profile map.

EXTREMES.--Maximum discharge, 183 ft^3/s (5.18 m^3/s) June 12, 1965 (gage height, 2.49 ft or 0.759 m); maximum gage height, 2.91 ft (0.887 m) Nov. 20, 1959 (backwater from ice); minimum discharge not determined, occurred during winter period of no gage-height record.

REMARKS.--Pipeline (capacity approximately 1.5 ft^3/s or 0.042 m^3/s) that provides water for small hydroelectric plant and irrigation for Dude Ranch lying below station, diverts water from creek a short distance above station at times in summer months.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1955	2.50	7	2.50	7	2.50	7	2.50	4	2.50	4	2.74	10	2.83	9	2.87	6	3.09	2	7.75	2
1956	2.50	8	2.50	8	2.50	8	2.50	5	2.50	5	2.59	7	2.81	8	2.91	8	3.28	4	10.00	5
1957	2.50	9	2.50	9	2.50	9	2.50	6	2.50	6	2.51	6	2.67	6	2.96	9	3.43	6	15.50	12
1958	2.50	10	2.50	10	2.50	10	2.50	7	2.61	11	3.24	13	3.33	13	3.50	13	4.09	13	12.70	9
1959	2.00	2	2.00	2	2.00	2	2.00	2	2.00	2	2.01	2	2.17	1	2.40	1	2.99	1	13.80	10
1960	2.50	11	2.50	11	2.50	11	2.50	8	2.50	7	2.50	4	2.53	4	2.71	4	3.83	10	9.35	4
1961	2.50	12	2.50	12	2.50	12	2.50	9	2.50	8	2.51	5	2.67	5	2.81	5	3.35	5	9.02	3
1962	2.30	5	2.37	5	2.46	5	2.50	10	2.83	13	3.38	15	3.52	14	3.79	15	5.63	17	6.77	1
1963	1.50	1	1.50	1	1.50	1	1.50	1	1.58	1	1.97	1	2.20	2	2.70	3	3.70	8	18.50	16
1964	2.50	13	2.50	13	2.50	6	2.50	11	2.50	9	2.74	8	2.99	11	3.36	12	4.69	14	11.60	8
1965	3.00	15	3.00	15	3.00	15	3.00	15	3.25	16	3.41	16	3.61	15	3.69	14	3.84	11	15.80	13
1966	3.00	16	3.00	16	3.06	16	3.13	16	3.23	15	3.37	14	3.63	16	4.16	17	5.35	16	22.80	17
1967	2.20	3	2.23	3	2.27	3	2.29	3	2.33	3	2.40	3	2.43	3	2.57	2	3.19	3	10.40	6
1968	2.60	14	2.60	14	2.60	14	2.64	13	2.70	12	2.74	9	2.79	7	2.88	7	3.47	7	16.50	15
1969	3.20	17	3.23	17	3.31	17	3.36	17	3.54	17	3.75	17	3.82	17	4.06	16	5.08	15	15.40	14
1970	2.40	6	2.40	6	2.46	4	2.51	12	2.57	10	2.76	11	2.89	10	3.05	10	3.78	9	15.00	11
1971	2.20	4	2.23	4	2.57	13	2.89	14	2.97	14	3.08	12	3.22	12	3.35	11	3.89	12	10.50	7

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1954	44.0	17	43.3	17	40.0	17	36.4	17	31.3	17	24.4	17	19.8	17	16.7	17	12.4	17	8.1	17
1955	61.0	12	60.3	11	57.9	11	51.7	12	43.0	13	35.9	12	28.3	13	23.4	14	16.8	14	10.0	14
1956	110.0	4	105.0	4	104.0	3	97.1	3	87.6	2	63.1	5	48.5	5	39.1	5	27.5	5	15.4	6
1957	104.0	5	100.0	5	93.6	7	76.7	8	61.2	9	47.8	9	36.2	10	29.9	10	21.3	10	12.4	10
1958	125.0	2	122.0	2	114.0	2	100.0	2	84.7	3	58.9	6	44.1	8	34.9	8	24.6	8	14.4	8
1959	52.0	15	52.0	13	51.3	13	48.3	13	40.9	15	30.3	16	24.3	15	20.1	15	14.9	15	8.9	16
1960	51.0	16	50.0	15	49.0	15	44.9	16	38.7	16	31.6	15	24.2	16	20.1	16	14.7	16	9.2	15
1961	34.0	18	26.0	18	21.6	18	19.0	18	16.2	18	12.2	18	9.7	18	8.5	18	7.9	18	5.7	18
1962	101.0	6	97.7	6	94.3	6	90.2	5	83.2	4	64.9	4	56.8	2	47.2	2	33.2	2	19.4	2
1963	53.0	14	50.7	14	50.0	14	46.1	14	44.5	11	37.9	11	30.0	11	24.9	11	18.4	11	11.1	12
1964	100.0	7	94.7	8	85.7	8	79.3	7	71.7	7	65.1	3	49.9	4	39.6	4	27.6	4	16.2	4
1965	169.0	1	147.0	1	136.0	1	117.0	1	110.0	1	88.1	1	69.0	1	56.6	1	40.1	1	22.0	1
1966	54.0	13	49.3	16	48.4	16	45.5	15	41.6	14	34.9	14	28.1	14	23.8	12	17.7	12	11.5	11
1967	97.0	8	95.7	7	94.6	5	90.4	4	78.2	6	67.9	2	52.6	3	42.2	3	29.5	3	16.4	3
1968	112.0	3	111.0	3	98.7	4	87.4	6	79.0	5	57.7	7	44.6	6	36.9	6	26.7	6	15.1	7
1969	83.0	10	77.7	10	76.1	9	70.9	10	66.1	8	56.1	8	44.6	7	36.3	7	26.2	7	15.7	5
1970	61.0	11	59.7	12	57.6	12	54.8	11	43.0	12	35.2	13	28.4	12	23.4	13	17.1	13	10.4	13
1971	96.0	9	79.3	9	76.0	10	71.3	9	57.6	10	43.9	10	36.7	9	30.8	9	23.1	9	13.5	9

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	6574	100.0	9	4.50	475	3661	55.7	18	16.0	116	1350	20.5	27	55	91	356	5.4
1	1.50	25	6574	100.0	10	5.20	306	3186	48.5	19	18.0	119	1234	18.8	28	63	73	265	4.0
2	1.70	0	6549	99.6	11	6.00	300	2880	43.8	20	21.0	96	1115	17.0	29	73	62	192	2.9
3	2.00	87	6549	99.6	12	6.90	247	2580	39.2	21	24.0	127	1019	15.5	30	83	75	130	1.9
4	2.30	517	6462	98.3	13	7.90	286	2333	35.5	22	28.0	114	892	13.6	31	96	32	55	.8
5	2.60	194	5945	90.4	14	9.10	170	2047	31.1	23	32.0	102	778	11.8	32	110	19	23	.3
6	3.00	839	5751	87.5	15	10.00	211	1877	28.6	24	36.0	118	676	10.3	33	130	3	4	.0
7	3.40	649	4912	74.7	16	12.00	161	1666	25.3	25	42.0	94	558	8.5	34	150	1	1	.0
8	4.00	602	4263	64.8	17	14.00	155	1505	22.9	26	48.0	108	464	7.1					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1954						70	69	44	36	31	4	12	8	12	10	9	6	9	14	5	5	6	9	3	3											2971.9
1955					41	134	30	9	7	14	11	10	8	8	10	10	7	3	7	5	9	9	6	8	10	3	6										3639.5
1956					49		67	34	40	25	7	13	6	16	3	2	12	10	6	6	5	9	6	4	4	6	3	4	5	5	12	5	2				5622.4
1957					77	9	34	12	57	32	2	5	12	7	16	14	8	11	8	5	2	5	3	4	7	9	10	5	2	2	4	3					4518.3
1958							36	67	59	16	39	31	12	11	4	6	4	12	2	5	6	8	3	4	3	3	3	7	4	5	8	2	5				5247.6
1959				59	31	8	31	16	29	53	6	23	13	5	2	8	15	13	5	7	3	7	3	9	6	3	10										3266.7
1960					85	4	28	26	19	28	8	49	18	23	7	8	3	4	6	1	4	9	7	4	14	4	7										3384.7
1961					69	17	97	13	28	31	6	21	16	10	11	6	3	15	8	7	5	1		1													2062.9
1962							24	39	43	32	12	19	13	22	11	22	15	5	4	3	2	9	10	12	13	5	5	15	5	7	16	2					7098.8
1963			25		24	36	10	27	4	4	39	28	14	5	20	24	15	10	10	7	4	4	8	6	5	10	15	11									4043.9
1964					31		39	33	14	48	9	32	27	30	5	8	4	7	4	4	2	5	3	2	4	3	4	14	14	12	7	1					5913.0
1965							15	79	99	8		1	3	7	9	9	11	6	8	9	10	8	11	3	9	4	7	7	3	4	7	14	10	3	1	8041.6
1966							27	36	31	26	33	21	41	23	9	25	12	13	5	5	5	5	13	12	8	7	8										4204.0
1967					2	81	25	41	22	25	13	8	2	11	14	9	14	5	5	5	9	3	4	5	3	3	5	6	8	14	9	13	1				5973.6
1968							78	48	31	25	12	9	7	3	9	9	15	14	10	17	14	9	6	3	3	4	3	4	7	9	6	6	3	2			5514.3
1969							5	52	38	23	36	21	29	35	11	14	6	7	8	4	5	5	5	4	6	5	18	7	14	6	1						5722.9
1970					2	17	37	59	33	15	14	38	22	8	16	11	7	9	7	3	6	10	11	11	9	5	2	5	8									3806.4
1971						6	57	53	23	32	20	4	8	22	9	18	11	7	8	9	11	13	10	8	11	7	4	3	3	6	1	1					4926.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	0.367E+01	0.334E+01	0.300E+01	0.300E+01	0.300E+01	0.250E+01	0.283E+01	0.250E+02	0.426E+02	0.159E+02	0.889E+01	0.571E+01
1956	0.438E+01	0.342E+01	0.335E+01	0.300E+01	0.250E+01	0.295E+01	0.822E+01	0.503E+02	0.729E+02	0.207E+02	0.826E+01	0.434E+01
1957	0.462E+01	0.409E+01	0.382E+01	0.300E+01	0.250E+01	0.250E+01	0.261E+01	0.119E+02	0.606E+02	0.339E+02	0.119E+02	0.697E+01
1958	0.583E+01	0.459E+01	0.400E+01	0.350E+01	0.350E+01	0.300E+01	0.525E+01	0.525E+02	0.622E+02	0.157E+02	0.686E+01	0.514E+01
1959	0.421E+01	0.408E+01	0.308E+01	0.250E+01	0.200E+01	0.200E+01	0.496E+01	0.155E+02	0.406E+02	0.161E+02	0.715E+01	0.512E+01
1960	0.675E+01	0.524E+01	0.316E+01	0.250E+01	0.250E+01	0.277E+01	0.719E+01	0.243E+02	0.364E+02	0.110E+02	0.532E+01	0.393E+01
1961	0.487E+01	0.391E+01	0.323E+01	0.300E+01	0.250E+01	0.250E+01	0.318E+01	0.113E+02	0.127E+02	0.473E+01	0.384E+01	0.120E+02
1962	0.109E+02	0.733E+01	0.458E+01	0.366E+01	0.368E+01	0.328E+01	0.171E+02	0.442E+02	0.796E+02	0.415E+02	0.109E+02	0.621E+01
1963	0.609E+01	0.518E+01	0.421E+01	0.266E+01	0.236E+01	0.160E+01	0.279E+01	0.262E+02	0.428E+02	0.195E+02	0.987E+01	0.942E+01
1964	0.915E+01	0.645E+01	0.450E+01	0.350E+01	0.300E+01	0.250E+01	0.423E+01	0.374E+02	0.699E+02	0.380E+02	0.109E+02	0.520E+01
1965	0.420E+01	0.409E+01	0.391E+01	0.400E+01	0.350E+01	0.332E+01	0.579E+01	0.227E+02	0.102E+03	0.722E+02	0.249E+02	0.132E+02
1966	0.817E+01	0.686E+01	0.549E+01	0.362E+01	0.329E+01	0.439E+01	0.118E+02	0.381E+02	0.309E+02	0.132E+02	0.665E+01	0.521E+01
1967	0.486E+01	0.389E+01	0.290E+01	0.249E+01	0.233E+01	0.254E+01	0.311E+01	0.328E+02	0.734E+02	0.445E+02	0.145E+02	0.839E+01
1968	0.555E+01	0.359E+01	0.314E+01	0.283E+01	0.275E+01	0.292E+01	0.408E+01	0.198E+02	0.790E+02	0.310E+02	0.165E+02	0.100E+02
1969	0.802E+01	0.599E+01	0.478E+01	0.395E+01	0.399E+01	0.355E+01	0.628E+01	0.589E+02	0.499E+02	0.231E+02	0.110E+02	0.779E+01
1970	0.565E+01	0.469E+01	0.355E+01	0.316E+01	0.296E+01	0.256E+01	0.299E+01	0.238E+02	0.382E+02	0.202E+02	0.977E+01	0.723E+01
1971	0.530E+01	0.451E+01	0.364E+01	0.349E+01	0.304E+01	0.326E+01	0.836E+01	0.253E+02	0.520E+02	0.317E+02	0.127E+02	0.818E+01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT

BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)

0.5952E+01	0.4779E+01	0.3785E+01	0.3168E+01	0.2905E+01	0.2832E+01	0.5924E+01	0.3059E+02	0.5564E+02	0.2665E+02	0.1059E+02	0.7302E+01
0.3578E+01	0.1497E+01	0.5366E+00	0.2441E+00	0.2991E+00	0.4012E+00	0.1460E+02	0.2034E+03	0.4934E+03	0.2641E+03	0.2409E+02	0.7077E+01
0.1892E+01	0.1223E+01	0.7325E+00	0.4941E+00	0.5469E+00	0.6334E+00	0.3821E+01	0.1426E+02	0.2221E+02	0.1625E+02	0.4909E+01	0.2660E+01
0.1224E+01	0.8785E+00	0.8334E+00	0.1578E+00	0.3652E+00	0.4938E+00	0.1824E+01	0.5923E+00	0.1682E+00	0.1385E+01	0.1538E+01	0.8873E+00
0.3178E+00	0.2560E+00	0.1935E+00	0.1559E+00	0.1883E+00	0.2237E+00	0.6450E+00	0.4663E+00	0.3993E+00	0.6099E+00	0.4635E+00	0.3643E+00
0.3718E+01	0.2985E+01	0.2364E+01	0.1979E+01	0.1814E+01	0.1769E+01	0.3700E+01	0.1911E+02	0.3475E+02	0.1664E+02	0.6614E+01	0.4561E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.948	0.734	*	*	*	*	*	*	*	*	*
*	1.000	0.839	0.481	*	*	*	*	*	*	*	*
*	*	1.000	0.707	0.650	*	*	*	*	*	*	*
*	*	*	1.000	0.912	0.699	*	*	*	*	*	*
*	*	*	*	1.000	0.705	0.478	*	*	*	*	*
*	*	*	*	*	1.000	0.648	0.476	*	*	*	*
*	*	*	*	*	*	1.000	0.458	0.182	*	*	*
*	*	*	*	*	*	*	1.000	0.263	0.002	*	*
*	*	*	*	*	*	*	*	1.000	0.864	0.803	*
*	*	*	*	*	*	*	*	*	1.000	0.922	0.438
*	*	*	*	*	*	*	*	*	*	1.000	0.588
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.194

SEPT-OCT 0.840

SEPT-NOV 0.819

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.214	-0.133	-0.039	0.037	-0.181	-0.098	-0.430	-0.601	-0.141	-0.055	0.045	-0.290

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09278500 Rock Creek near Hanna, Utah

LOCATION.--Lat 40°32'44", long 110°39'20", in NE¼ sec.26, T.2 N., R.7 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 1.2 miles (1.9 km) downstream from South Fork and 11.5 miles (18.5 km) northeast of Hanna.

DRAINAGE AREA.--120 sq mi (310 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,620 ft (2,323 m) from river-profile map.

EXTREMES.--Maximum discharge, 2,540 ft^3/s (71.9 m^3/s) June 13, 1953 (gage height, 8.60 ft or 2.621 m); minimum recorded, 4.7 ft^3/s (0.13 m^3/s) Apr. 12, 1953, result of freezeup.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1951	27.00	18	27.00	16	27.00	15	27.00	15	27.00	13	28.00	12	28.30	12	29.80	10	34.70	10	181.00	14
1952	26.00	16	28.30	17	29.00	18	29.00	17	29.00	17	30.50	16	31.00	16	32.50	16	38.90	14	173.00	13
1953	23.00	12	23.30	12	23.70	11	23.80	10	24.10	8	26.20	10	27.50	10	28.00	9	33.80	9	221.00	18
1954	22.00	9	22.30	9	22.60	8	23.90	11	25.00	11	25.00	7	25.00	7	25.00	6	29.10	6	127.00	7
1955	20.00	5	21.00	6	23.00	9	23.00	7	23.00	6	23.50	6	24.00	6	24.40	4	27.10	4	95.80	2
1956	22.00	10	22.70	10	23.10	10	23.70	9	24.70	9	26.20	11	28.10	11	30.10	11	33.20	8	118.00	5
1957	21.00	6	21.00	7	21.00	5	21.00	5	21.40	5	22.70	5	23.70	4	24.50	5	26.70	3	155.00	10
1958	24.00	13	25.00	13	25.90	14	26.40	14	27.30	15	28.70	14	29.30	13	30.60	12	36.90	11	172.00	12
1959	17.00	2	19.00	2	19.60	2	19.90	2	19.90	2	20.10	2	20.70	2	21.60	2	25.90	1	139.00	8
1960	24.00	14	25.00	14	25.00	13	25.00	12	25.00	10	25.30	9	25.60	8	27.60	8	40.40	15	119.00	6
1961	20.00	3	20.00	3	20.00	3	20.00	3	20.00	3	20.80	3	21.90	3	23.70	3	30.90	7	114.00	3
1962	21.00	7	21.30	8	21.90	7	23.20	8	26.90	12	38.30	19	39.60	19	43.40	19	64.40	19	95.50	1
1963	15.00	1	15.00	1	15.30	1	15.60	1	16.30	1	17.00	1	17.20	1	18.80	1	27.30	5	183.00	15
1964	23.00	11	23.00	11	23.90	12	26.40	13	27.10	14	28.10	13	29.50	14	31.00	13	40.80	16	139.00	9
1965	20.00	4	20.00	4	20.00	4	20.00	4	20.90	4	22.50	4	23.90	5	25.10	7	26.70	2	165.00	11
1966	21.00	8	21.00	5	21.40	6	22.00	6	23.60	7	25.10	8	27.30	9	31.20	14	45.80	18	233.00	19
1967	25.00	15	26.70	15	27.40	16	28.00	16	28.40	16	29.60	15	29.70	15	31.60	15	38.40	12	115.00	4
1968	27.00	17	29.30	19	30.60	19	31.10	19	31.80	19	32.70	18	33.10	18	33.70	18	38.40	13	191.00	17
1969	28.00	19	28.30	18	28.90	17	29.50	18	30.70	18	31.70	17	32.60	17	33.30	17	41.10	17	184.00	16

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1950	1490.0	11	1440.0	10	1390.0	9	1240.0	9	1140.0	4	811.0	4	590.0	5	470.0	5	327.0	6	184.0	5
1951	1580.0	9	1470.0	8	1300.0	10	1080.0	12	928.0	11	708.0	10	539.0	10	436.0	9	306.0	9	171.0	9
1952	1860.0	4	1820.0	4	1770.0	1	1540.0	1	1200.0	2	889.0	2	703.0	2	573.0	2	407.0	2	223.0	2
1953	2130.0	1	1930.0	1	1670.0	2	1270.0	5	848.0	13	535.0	14	398.0	14	319.0	14	225.0	14	130.0	14
1954	951.0	18	919.0	18	848.0	18	726.0	17	535.0	18	362.0	19	279.0	19	227.0	19	164.0	19	96.8	19
1955	1230.0	15	1130.0	14	953.0	16	725.0	18	645.0	16	468.0	15	351.0	15	287.0	15	203.0	15	115.0	17
1956	1700.0	6	1630.0	6	1440.0	6	1260.0	8	1070.0	6	699.0	11	513.0	11	407.0	11	282.0	11	158.0	11
1957	1910.0	3	1870.0	3	1630.0	3	1270.0	6	1140.0	5	764.0	5	557.0	8	445.0	7	307.0	7	167.0	10
1958	1600.0	7	1570.0	7	1430.0	7	1270.0	7	983.0	8	631.0	12	457.0	12	359.0	12	251.0	12	144.0	12
1959	1130.0	16	1100.0	15	1000.0	14	878.0	14	659.0	15	459.0	17	343.0	16	276.0	16	197.0	16	112.0	18
1960	1130.0	17	1080.0	16	957.0	15	791.0	16	637.0	17	465.0	16	342.0	17	275.0	17	197.0	17	119.0	15
1961	635.0	20	597.0	20	521.0	20	440.0	20	346.0	20	240.0	20	180.0	20	148.0	20	127.0	20	79.1	20
1962	1410.0	12	1360.0	12	1240.0	11	1140.0	10	959.0	10	730.0	8	592.0	4	484.0	4	338.0	4	201.0	3
1963	1320.0	14	1030.0	17	919.0	17	804.0	15	748.0	14	551.0	13	409.0	13	331.0	13	238.0	13	133.0	13
1964	1600.0	8	1430.0	11	1110.0	13	1010.0	13	900.0	12	756.0	7	562.0	7	440.0	8	302.0	10	172.0	8
1965	2060.0	2	1880.0	2	1590.0	4	1290.0	4	1210.0	1	943.0	1	729.0	1	594.0	1	420.0	1	224.0	1
1966	777.0	19	723.0	19	651.0	19	588.0	19	534.0	19	400.0	18	308.0	18	256.0	18	191.0	18	118.0	16
1967	1540.0	10	1460.0	9	1400.0	8	1310.0	3	1030.0	7	830.0	3	627.0	3	495.0	3	343.0	3	191.0	4
1968	1730.0	5	1680.0	5	1580.0	5	1340.0	2	1160.0	3	762.0	6	570.0	6	464.0	6	327.0	5	183.0	6
1969	1400.0	13	1340.0	13	1240.0	12	1140.0	11	966.0	9	716.0	9	543.0	9	435.0	10	307.0	8	175.0	7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	0	7305	100.0	9	49.00	343	3524	48.2	18	190.0	133	1336	18.3	27	730	94	412	5.6
1	15.00	18	7305	100.0	10	57.00	369	3181	43.5	19	220.0	115	1203	16.5	28	840	92	318	4.3
2	17.00	71	7287	99.8	11	67.00	277	2812	38.5	20	260.0	102	1088	14.9	29	980	48	226	3.0
3	20.00	262	7216	98.8	12	77.00	251	2535	34.7	21	300.0	79	986	13.5	30	1100	79	178	2.4
4	23.00	727	6954	95.2	13	90.00	175	2284	31.3	22	340.0	108	907	12.4	31	1300	58	99	1.3
5	27.00	909	6227	85.2	14	100.00	303	2109	28.9	23	400.0	94	799	10.9	32	1500	29	41	.5
6	32.00	715	5318	72.8	15	120.00	179	1806	24.7	24	460.0	113	705	9.7	33	1800	11	12	.1
7	37.00	644	4603	63.0	16	140.00	140	1627	22.3	25	540.0	77	592	8.1	34	2100	1	1	.0
8	43.00	435	3959	54.2	17	160.00	151	1487	20.4	26	620.0	103	515	7.0					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09278500 Rock Creek near Hanna, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1950			1	35	37	55	46	33	26	13	12	8	10	6	6	10	4	4	5	2	3	4	4	3	8	6	4	2	7	11					67046.0
1951				111	5	52	17	18	23	12	6	2	11	9	12	13	7	8	5	3	5	6	8	3	6	1	9	2	4	5	2					62369.0
1952				1	32	76	43	15	9	18	7	8	5	26	5	12	7	6	10	11	4	4	8	11	9	10	5	6	1	5	3	5	4			81561.0
1953			4	56	68	30	18	18	18	25	15	12	11	17	10	8	4	4	7	6	4	6	5	2	3		2	3	1	1	2	2	2	1		47360.0
1954				121	13	14	46	45	9	10	7	7	7	15	12	4	8	14	4	4	3	4	1	3	4	3	2	5								35328.0
1955				3123	49	24	13	7	12	10	8	9	12	21	10	4	6	4	2	6	3	10	6	7	2	2	5	4	1	2						42058.0
1956				1	39	52	61	38	28	17	8	14	4	2	21	8	3	7	4	6	7	4	7	1	4	2	1	2	7	3	8	4	3			57709.0
1957				29	86	60	31	7	5	5	13	5	5	13	15	11	13	7	4	2	4	3	4	5	2	6	2	5	5	4	3	6	2	3		61093.0
1958					16	88	23	24	37	42	28	14	8	9	7	3	4	5	9	6	3	2	2	2	9	1	2	3	2	6	4	3	3			52719.0
1959			2	93	29	24	27	40	8	10	15	16	11	6	14	5	4	4	6	8	4	5	9	4	5	2	2	5	4	1	2					40707.0
1960					64	42	2	38	36	11	28	35	28	6	12	4	8	2	3	3	3	2	4	5	8	10	4	2	3	2	1					43384.0
1961					76	34	34	19	31	24	26	13	9	14	13	11	4	7	12	7	6	7	4	4	4	3	2	1									28868.0
1962							22	65	33	27	15	21	19	12	17	18	12	4	7	13	5	12	10	8	5	4	10	7	6	2	8	3				73481.0
1963			18	69	16	25	29	16	15	9	9	4	7	25	17	23	13	8	5	2	6	6	1	3	5	5	3	6	13	5	1		1			48441.0
1964							76	50	33	33	26	23	21	6	4	8	6	7	3	4	3	3	2	5	3	6	4	13	6	6	8	5		2			62772.0
1965				30	94	45	26	5	2		1	5	4	3	6	20	12	8	13	8	5	7	9	7	5	5	6	7	7	4	12	6	1	2		81760.0
1966				10	36	25	18	17	14	29	41	20	28	19	29	11	6	5	6	5	6	6	9	5	5	5	9	1								43131.0
1967					2	79	47	34	23	13	18	21	15	9	10	6	2	7	7	3	5	4	3	2	9	5	8	8	7	4	6	7	1			69678.0
1968						21	103	46	20	10	5	11	14	8	18	8	2	27	15	7	3	3	4	4	4	2	4	3	6	2	4	4	8			66847.0
1969					26	84	24	15	19	45	16	16	9	12	10	6	7	7	4	4	5	3	9	8	2	6	11	3	4	7	3					63701.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	0.522E 02	0.433E 02	0.354E 02	0.398E 02	0.357E 02	0.293E 02	0.850E 02	0.350E 03	0.111E 04	0.291E 03	0.788E 02	0.582E 02
1951	0.461E 02	0.417E 02	0.346E 02	0.290E 02	0.290E 02	0.270E 02	0.515E 02	0.420E 03	0.837E 03	0.303E 03	0.160E 03	0.677E 02
1952	0.612E 02	0.419E 02	0.372E 02	0.320E 02	0.320E 02	0.290E 02	0.760E 02	0.590E 03	0.115E 04	0.351E 03	0.177E 03	0.969E 02
1953	0.531E 02	0.328E 02	0.303E 02	0.307E 02	0.263E 02	0.276E 02	0.453E 02	0.111E 03	0.842E 03	0.208E 03	0.103E 03	0.504E 02
1954	0.399E 02	0.339E 02	0.250E 02	0.250E 02	0.250E 02	0.250E 02	0.622E 02	0.497E 03	0.211E 03	0.104E 03	0.568E 02	0.450E 02
1955	0.353E 02	0.293E 02	0.257E 02	0.250E 02	0.240E 02	0.230E 02	0.277E 02	0.385E 03	0.522E 03	0.129E 03	0.955E 02	0.585E 02
1956	0.429E 02	0.346E 02	0.368E 02	0.305E 02	0.261E 02	0.278E 02	0.672E 02	0.586E 03	0.784E 03	0.150E 03	0.675E 02	0.402E 02
1957	0.344E 02	0.271E 02	0.270E 02	0.240E 02	0.213E 02	0.256E 02	0.288E 02	0.144E 03	0.112E 04	0.391E 03	0.111E 03	0.625E 02
1958	0.528E 02	0.453E 02	0.346E 02	0.305E 02	0.300E 02	0.274E 02	0.480E 02	0.584E 03	0.649E 03	0.118E 03	0.594E 02	0.503E 02
1959	0.363E 02	0.298E 02	0.242E 02	0.201E 02	0.200E 02	0.220E 02	0.403E 02	0.206E 03	0.659E 03	0.158E 03	0.697E 02	0.535E 02
1960	0.768E 02	0.533E 02	0.281E 02	0.260E 02	0.250E 02	0.327E 02	0.742E 02	0.364E 03	0.539E 03	0.106E 03	0.502E 02	0.487E 02
1961	0.497E 02	0.400E 02	0.295E 02	0.232E 02	0.202E 02	0.220E 02	0.269E 02	0.261E 03	0.212E 03	0.585E 02	0.561E 02	0.148E 03
1962	0.128E 03	0.794E 02	0.551E 02	0.422E 02	0.413E 02	0.355E 02	0.151E 03	0.459E 03	0.948E 03	0.324E 03	0.979E 02	0.529E 02
1963	0.540E 02	0.329E 02	0.229E 02	0.164E 02	0.177E 02	0.185E 02	0.291E 02	0.401E 03	0.640E 03	0.169E 03	0.987E 02	0.916E 02
1964	0.688E 02	0.510E 02	0.359E 02	0.325E 02	0.288E 02	0.274E 02	0.362E 02	0.428E 03	0.845E 03	0.362E 03	0.981E 02	0.447E 02
1965	0.322E 02	0.271E 02	0.285E 02	0.266E 02	0.230E 02	0.221E 02	0.444E 02	0.248E 03	0.111E 04	0.745E 03	0.232E 03	0.143E 03
1966	0.892E 02	0.563E 02	0.418E 02	0.280E 02	0.235E 02	0.318E 02	0.905E 02	0.499E 03	0.288E 03	0.116E 03	0.776E 02	0.675E 02
1967	0.609E 02	0.417E 02	0.362E 02	0.309E 02	0.292E 02	0.300E 02	0.375E 02	0.335E 03	0.953E 03	0.515E 03	0.141E 03	0.763E 02
1968	0.563E 02	0.378E 02	0.358E 02	0.338E 02	0.335E 02	0.326E 02	0.410E 02	0.189E 03	0.116E 04	0.314E 03	0.178E 03	0.910E 02
1969	0.647E 02	0.466E 02	0.356E 02	0.342E 02	0.327E 02	0.309E 02	0.868E 02	0.831E 03	0.574E 03	0.193E 03	0.929E 02	0.610E 02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5682E 02	0.4130E 02	0.3301E 02	0.2902E 02	0.2721E 02	0.2736E 02	0.5749E 02	0.3944E 03	0.7574E 03	0.2555E 03	0.1051E 03	0.7039E 02
0.4917E 03	0.1528E 03	0.5472E 02	0.3790E 02	0.3468E 02	0.1901E 02	0.9213E 03	0.3132E 05	0.9360E 05	0.2784E 05	0.2379E 04	0.9192E 03
0.2217E 02	0.1236E 02	0.7398E 01	0.6157E 01	0.5889E 01	0.4360E 01	0.3035E 02	0.1770E 03	0.3059E 03	0.1668E 03	0.4878E 02	0.3032E 02
0.1873E 01	0.1573E 01	0.1249E 01	0.1645E 00	0.5662E 00	-0.1759E 00	0.1627E 01	0.5003E 00	-0.3805E 00	0.1451E 01	0.1196E 01	0.1651E 01
0.3902E 00	0.2994E 00	0.2241E 00	0.2121E 00	0.2164E 00	0.1593E 00	0.5286E 00	0.4488E 00	0.4040E 00	0.6530E 00	0.4642E 00	0.4307E 00
0.3063E 01	0.2226E 01	0.1780E 01	0.1565E 01	0.1467E 01	0.1475E 01	0.3099E 01	0.2126E 02	0.4083E 02	0.1377E 02	0.5664E 01	0.3795E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09278500 Rock Creek near Hanna, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.958	0.809	*	*	*	*	*	*	*	*	*
*	1.000	0.835	0.625	*	*	*	*	*	*	*	*
*	*	1.000	0.823	0.794	*	*	*	*	*	*	*
*	*	*	1.000	0.954	0.789	*	*	*	*	*	*
*	*	*	*	1.000	0.778	0.689	*	*	*	*	*
*	*	*	*	*	1.000	0.715	0.278	*	*	*	*
*	*	*	*	*	*	1.000	0.475	0.051	*	*	*
*	*	*	*	*	*	*	1.000	-0.273	-0.261	*	*
*	*	*	*	*	*	*	*	1.000	0.750	0.689	*
*	*	*	*	*	*	*	*	*	1.000	0.833	0.377
*	*	*	*	*	*	*	*	*	*	1.000	0.524
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.194
SEPT-OCT 0.857
SEPT-NOV 0.791

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.110	-0.261	-0.263	-0.374	-0.277	-0.422	-0.453	-0.653	-0.038	-0.007	0.130	-0.255

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09279000 Rock Creek near Mountain Home, Utah

LOCATION.--Lat 40°29'36", long 110°34'39", in SE¼NW¼SW¼ sec.9, T.1 N., R.6 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on right bank at Lower Stillwater damsite "B", 0.1 mile (0.2 km) upstream from Corral Creek, 7 miles (11 km) downstream from South Fork, and 12 miles (19 km) northwest of Mountain Home.

DRAINAGE AREA.--149 sq mi (386 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,250 ft (2,210 m) from river-profile map. Prior to Apr. 12, 1939, nonrecording gage at site 300 ft (91 m) upstream at different datum.

EXTREMES.--Maximum discharge, 2,390 ft^3/s (67.7 m^3/s) June 14, 1953 (gage height, 6.02 ft or 1.835 m); minimum recorded, 7 ft^3/s (0.20 m^3/s) Mar. 13, 1940, Mar. 20, 1942 (probably caused by ice jams above station).

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1941	38.00	20	38.70	17	41.00	24	43.80	28	45.00	29	46.20	25	47.00	24	48.60	24	69.80	29	122.00	3
1942	40.00	28	41.70	28	42.70	29	44.20	30	46.60	30	48.50	30	52.30	30	57.10	31	71.60	30	203.00	26
1943	30.00	3	34.00	6	39.30	15	41.50	23	44.50	27	45.80	23	46.10	22	47.70	21	52.00	16	167.00	15
1944	38.00	21	39.30	21	40.10	18	40.40	15	41.70	16	41.90	11	42.60	10	42.80	7	48.50	9	192.00	20
1945	38.00	22	38.70	18	39.60	17	40.50	16	41.90	19	42.60	14	43.10	12	43.30	10	48.90	10	178.00	17
1946	42.00	30	42.70	30	44.00	30	44.00	29	44.00	23	44.20	22	45.60	19	46.50	16	51.00	12	140.00	14
1947	36.00	10	40.00	22	41.00	25	41.40	21	42.10	20	42.90	17	43.90	14	46.50	17	51.70	15	147.00	9
1948	36.00	11	37.70	15	38.10	12	38.40	11	39.10	8	40.50	9	42.60	11	45.30	14	52.80	18	201.00	23
1949	37.00	17	40.30	25	40.90	23	41.00	17	41.50	15	42.70	15	44.20	16	45.00	13	47.00	6	126.00	4
1950	38.00	23	42.70	31	44.70	31	45.80	31	47.10	31	47.80	29	50.20	29	51.00	27	56.60	25	206.00	27
1951	39.00	24	41.30	26	42.30	27	42.70	25	44.30	24	46.10	24	46.80	23	48.50	22	53.20	20	206.00	28
1952	39.00	25	40.00	23	40.70	20	41.60	24	43.40	22	46.60	27	47.70	27	50.40	26	58.10	27	198.00	21
1953	39.00	26	40.30	24	40.70	21	41.20	19	41.80	17	43.60	18	45.90	20	47.40	20	52.80	19	259.00	30
1954	37.00	18	37.00	13	37.60	10	38.40	12	41.10	14	41.90	12	42.10	8	42.90	8	47.40	8	149.00	10
1955	32.00	6	33.30	5	35.40	6	37.00	6	37.00	5	37.50	5	38.40	5	38.80	5	42.80	3	115.00	2
1956	35.00	7	36.30	8	37.10	8	38.20	8	39.90	11	42.70	16	45.90	21	48.50	23	51.00	13	135.00	6
1957	31.00	4	32.00	4	32.60	3	32.80	2	33.50	2	35.50	4	36.90	4	38.30	4	41.10	1	174.00	16
1958	39.00	27	39.30	19	40.70	22	41.50	22	41.90	18	43.60	19	44.40	17	46.50	18	56.30	23	200.00	22
1959	28.00	2	30.00	2	32.40	2	33.30	3	33.70	3	34.30	2	35.30	2	36.70	2	41.20	2	158.00	13
1960	36.00	12	36.70	9	37.00	7	37.80	7	39.20	9	39.80	6	40.50	6	42.40	6	54.60	21	137.00	8
1961	32.00	5	32.00	3	32.90	4	33.90	4	34.50	4	35.30	3	36.10	3	37.50	3	44.70	5	128.00	5
1962	38.00	19	39.30	20	39.40	16	41.00	18	44.60	28	51.40	31	52.70	31	56.80	30	80.50	31	112.00	1
1963	25.00	1	25.00	1	25.60	1	26.30	1	27.40	1	30.60	1	31.50	1	33.50	1	43.30	4	202.00	24
1964	36.00	13	37.00	10	38.70	14	38.90	13	39.30	10	40.20	8	42.10	9	44.50	11	56.40	24	156.00	12
1965	35.00	8	35.00	7	35.00	5	35.00	5	37.50	6	39.80	7	43.60	13	45.80	15	47.30	7	186.00	18
1966	37.00	14	37.00	11	37.60	9	38.30	9	41.00	13	43.80	21	47.60	26	52.30	29	66.50	28	259.00	31
1967	42.00	31	42.30	29	42.40	28	43.00	27	44.30	25	47.50	28	48.80	28	51.30	28	57.90	26	136.00	7
1968	35.00	9	38.30	16	40.40	19	41.40	20	42.80	21	43.70	20	44.10	15	44.90	12	51.20	14	210.00	29
1969	41.00	29	41.30	27	42.10	26	42.90	26	44.50	26	46.40	26	47.50	25	48.70	25	55.60	22	203.00	25
1970	37.00	15	37.30	14	38.60	13	39.50	14	40.40	12	41.90	13	42.00	7	43.20	9	50.70	11	190.00	19
1971	37.00	16	37.00	12	37.70	11	38.40	10	39.00	7	41.70	10	45.30	18	46.90	19	52.60	17	152.00	11

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	1300.0	18	1190.0	18	1080.0	18	922.0	21	876.0	17	750.0	12	575.0	13	468.0	12	334.0	13	202.0	6
1942	1490.0	13	1390.0	13	1300.0	13	1080.0	15	928.0	14	633.0	19	474.0	19	386.0	18	280.0	18	176.0	18
1943	1190.0	23	1160.0	19	1050.0	20	834.0	24	781.0	22	658.0	17	555.0	15	461.0	14	335.0	12	194.0	12
1944	1390.0	16	1090.0	24	1060.0	19	944.0	20	861.0	18	712.0	16	550.0	16	438.0	16	307.0	16	178.0	16
1945	1050.0	28	1030.0	28	952.0	28	789.0	26	639.0	27	538.0	23	444.0	20	372.0	20	269.0	20	159.0	20
1946	1140.0	26	1070.0	27	953.0	27	759.0	28	611.0	28	518.0	24	409.0	24	333.0	24	241.0	24	146.0	24
1947	1260.0	19	1120.0	21	987.0	23	879.0	22	852.0	19	745.0	13	601.0	9	487.0	8	348.0	8	200.0	9
1948	1170.0	24	1110.0	22	1030.0	22	972.0	18	759.0	23	478.0	28	350.0	28	282.0	28	204.0	29	128.0	29
1949	1850.0	6	1650.0	7	1560.0	7	1390.0	3	1040.0	9	799.0	7	623.0	5	503.0	5	355.0	6	202.0	7
1950	1510.0	12	1460.0	10	1390.0	11	1270.0	11	1180.0	5	847.0	4	626.0	4	502.0	6	358.0	5	208.0	5
1951	1520.0	11	1460.0	11	1330.0	12	1130.0	14	1000.0	11	764.0	10	585.0	12	475.0	11	338.0	11	196.0	11
1952	1940.0	5	1900.0	1	1850.0	1	1690.0	1	1330.0	1	992.0	1	794.0	1	654.0	1	465.0	1	261.0	1
1953	2130.0	1	1850.0	4	1640.0	4	1300.0	9	893.0	16	570.0	22	430.0	23	348.0	23	251.0	23	152.0	21
1954	1020.0	29	993.0	29	906.0	29	774.0	27	574.0	30	390.0	30	304.0	30	252.0	30	187.0	30	117.0	30
1955	1220.0	21	1140.0	20	981.0	24	754.0	29	664.0	25	485.0	27	369.0	26	304.0	25	220.0	25	131.0	27
1956	1650.0	8	1580.0	8	1450.0	8	1320.0	8	1130.0	6	739.0	14	546.0	17	434.0	17	306.0	17	178.0	17
1957	1950.0	4	1890.0	2	1680.0	3	1340.0	5	1230.0	3	830.0	5	606.0	7	487.0	9	342.0	10	192.0	14
1958	1550.0	9	1530.0	9	1420.0	9	1290.0	10	1010.0	10	656.0	18	481.0	18	382.0	19	273.0	19	165.0	19
1959	1210.0	22	1200.0	17	1100.0	17	960.0	19	711.0	24	492.0	25	371.0	25	302.0	26	220.0	26	131.0	28
1960	1140.0	27	1090.0	25	976.0	25	815.0	25	661.0	26	485.0	26	359.0	27	290.0	27	210.0	28	132.0	26
1961	698.0	31	644.0	31	567.0	31	477.0	31	375.0	31	259.0	31	196.0	31	164.0	31	144.0	31	94.3	31
1962	1400.0	15	1340.0	16	1240.0	15	1150.0	13	981.0	13	753.0	11	616.0	6	507.0	4	361.0	4	221.0	3
1963	1230.0	20	1070.0	26	967.0	26	836.0	23	788.0	21	579.0	21	432.0	22	351.0	21	255.0	21	150.0	23
1964	1480.0	14	1350.0	14	1140.0	16	1020.0	16	925.0	15	788.0	8	588.0	11	464.0	13	324.0	15	190.0	15
1965	2100.0	2	1890.0	3	1610.0	5	1330.0	6	1250.0	2	986.0	2	766.0	2	627.0	2	450.0	2	249.0	2
1966	835.0	30	787.0	30	729.0	30	654.0	30	589.0	29	436.0	29	337.0	29	281.0	29	213.0	27	140.0	25
1967	1520.0	10	1440.0	12	1400.0	10	1330.0	7	1070.0	8	869.0	3	660.0	3	526.0	3	370.0	3	214.0	4
1968	1810.0	7	1720.0	6	1610.0	6	1380.0	4	1210.0	4	802.0	6	604.0	8	493.0	7	350.0	7	201.0	8
1969	1370.0	17	1340.0	15	1260.0	14	1160.0	12	985.0	12	737.0	15	561.0	14	456.0	15	329.0	14	193.0	13
1970	1160.0	25	1110.0	23	1040.0	21	987.0	17	789.0	20	580.0	20	433.0	21	350.0	22	251.0	22	151.0	22
1971	2080.0	3	1820.0	5	1740.0	2	1510.0	2	1120.0	7	777.0	9	592.0	10	478.0	10	345.0	9	199.0	10

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09279000 Rock Creek near Mountain Home, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	11322	100.0	9	73.00	693	5165	45.6	18	250.0	117	1899	16.8	27	820	160	561	4.9
1	25.00	29	11322	100.0	10	84.00	543	4472	39.5	19	280.0	161	1782	15.7	28	940	144	401	3.5
2	29.00	39	11293	99.7	11	96.00	401	3929	34.7	20	320.0	154	1621	14.3	29	1100	69	257	2.2
3	33.00	223	11254	99.4	12	110.00	503	3528	31.2	21	370.0	136	1467	13.0	30	1200	91	188	1.6
4	37.00	1209	11031	97.4	13	130.00	166	3025	26.7	22	420.0	148	1331	11.8	31	1400	65	97	.8
5	43.00	1490	9822	86.8	14	140.00	270	2859	25.3	23	480.0	165	1183	10.4	32	1600	16	32	.2
6	49.00	1493	8332	73.6	15	160.00	302	2589	22.9	24	550.0	160	1018	9.0	33	1800	14	16	.1
7	56.00	1008	6839	60.4	16	190.00	144	2287	20.2	25	630.0	148	858	7.6	34	2100	2	2	.0
8	64.00	666	5831	51.5	17	210.00	244	2143	18.9	26	720.0	149	710	6.3					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S-DAYS
1941					60	59	24	13	21	12	25	19	14	19	15	7	8	2	6	4	4	3	3	5	10	11	8	6	5	2						73717.0
1942				4	16	41	41	27	39	37	26	41	6	14	10	2	7	3	7	6	2	1	4	3	4	5	8	5	1	4	1					64342.0
1943			1	1	12	58	56	39	21	19	11	13	5	4	11	15	4	7	6	12	7	7	10	9	7	9	4	6	8	3						70818.0
1944					62	75	28	43	30	14	8	7	6	5	4	5	3	5	4	5	3	5	4	6	8	8	11	7	7	2	1					65074.0
1945					54	89	10	36	16	19	12	9	8	3	6	9	11	11	3	5	11	10	11	13	8	2	3	2	4							58082.0
1946						91	63	50	19	15	17	5	15	4	5	5	5	8	2	3	11	12	8	4	10	5	2	3	2	1						53322.0
1947				1	33	59	36	61	11	14	22	14	12	4	7	14	2	6	2	5	2	2	5	9	16	7	10	9	8	2	1					73178.0
1948				1	51	35	65	46	49	31	15	8	8	3	3	7	2	6	3	2	2	2	2	3	2	4	1	7	7	1						46933.0
1949					48	69	62	20	10	20	11	9	5	6	7	6	7	9	3	6	6	5	6	10	10	5	4	6	2	1	3	8		1		71566.0
1950					1	38	63	48	33	29	22	17	17	5	6	11	6	6	3	6	1	2	5	4	3	3	8	4	4	4	11	5				75742.0
1951					12	62	52	43	25	32	14	5	10	4	10	12	9	7	7	5	4	5	3	2	8	7	3	7	4	2	6	5				71474.0
1952					10	26	74	40	20	21	16	11	12	4	5	11	7	9	8	11	7	3	4	9	12	6	11	5	5	2	2	6	3	6		95683.0
1953					41	47	58	48	19	21	16	13	21	6	11	9	3	5	6	6	4	4	6	3	2	2		2	3		3	4		1	1	55467.0
1954					74	53	42	44	21	14	12	13	17	7	9	6	6	16		6	4	2	2	3	2	4	3	1	4							42748.0
1955			1	8	121	37	36	17	11	11	9	9	26	5	10	6	4	5	1	7	5	9	3	7	2	3	3	5	2	1	1					47991.0
1956				2	37	39	86	46	22	20	9	3	19	4	8	5	4	6	3	6	5	6	2	4	2		2	2	6	7	6	4	1			65219.0
1957			2	46	91	47	25	3	1	9	15	6	25	5	11	14	5	4	3	2	5	2	3	5	2	4	2	5	5	4	4	6	1	3		70068.0
1958					36	60	35	26	28	60	23	14	9	3	6	5	4	10	3	3	2	2	4	7	2	1	2	2	6	3	3	6				60227.0
1959		2	7	62	52	15	61	17	9	20	21	8	17	5	5	5	3	10	4	4	7	6	4	4	2	1	2	5	4	1	2					47787.0
1960				2	80	32	42	33	14	36	40	11	11	3	4	8	2	3	2	2	3	2	5	7	11	4	1	4	3	1						48450.0
1961			5	40	79	37	32	35	21	12	9	19	12	3	7	9	7	8	6	4	7	2	4	3	2	2										34416.0
1962					1	20	47	38	29	26	21	21	16	8	21	15	2	13	6	9	9	9	9	3	4	7	6	10	2	6	6	1				80530.0
1963		27	23	44	26	27	26	20	14	7	18	24	25	8	10	9	1	4	6	3	2	2	4	3	5	3	6	14	2	1	1					54602.0
1964					66	39	33	28	34	31	32	6	10	1	6	9	1	5	2	3	3	4	2	2	6	11	7	7	10	3	3	2				69685.0
1965				15	45	49	67	14	8	1	2	7	12	4	19	15	5	14	5	5	8	5	7	5	3	8	3	8	9	3	13	3	1	1	1	90997.0
1966					19	40	19	22	33	54	29	25	35	16	6	9	2	6	4	6	6	9	3	5	3	7	6	1								51078.0
1967					4	36	89	33	32	18	20	16	18	5	5	4	7	7	3	4	4	2	2	7	5	8	7	6	8	1	9	5				78137.0
1968				1	22	95	54	18	10	4	15	18	17	6	4	12	14	22	4	3	2	1	5	4	4	2	4	1	7	3	3	7	3	1		73438.0
1969					5	54	66	21	30	24	21	16	20	6	12	12	3	8	4	3	6	1	9	7	3	4	9	7	3	6	5					70344.0
1970					83	60	22	13	26	30	25	9	14	3	9	12	3	2	3	6	2	3	7	5	5	4	6	4	5	4						55202.0
1971					40	34	44	41	30	21	9	14	21	6	10	18	3	7	6	6	6	6	5	5	3	3	7	4	3	1	2	2	7	1			72669.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1938	0.650E+02	0.596E+02	0.543E+02	0.441E+02	0.438E+02	0.441E+02	0.976E+02	0.489E+03	0.799E+03	0.206E+03	0.105E+03	0.837E+02
1939	0.102E+03	0.813E+02	0.606E+02	0.570E+02	0.550E+02	0.569E+02	0.112E+03	0.517E+03	0.263E+03	0.105E+03	0.630E+02	0.754E+02
1940	0.900E+02	0.523E+02	0.357E+02	0.315E+02	0.338E+02	0.380E+02	0.644E+02	0.549E+03	0.208E+03	0.734E+02	0.463E+02	0.103E+03
1941	0.138E+03	0.798E+02	0.530E+02	0.450E+02	0.473E+02	0.496E+02	0.616E+02	0.621E+03	0.797E+03	0.284E+03	0.146E+03	0.950E+02
1942	0.104E+03	0.953E+02	0.719E+02	0.600E+02	0.500E+02	0.467E+02	0.103E+03	0.345E+03	0.824E+03	0.237E+03	0.103E+03	0.753E+02
1943	0.648E+02	0.546E+02	0.519E+02	0.455E+02	0.469E+02	0.484E+02	0.167E+03	0.589E+03	0.726E+03	0.304E+03	0.146E+03	0.782E+02
1944	0.669E+02	0.523E+02	0.436E+02	0.436E+02	0.419E+02	0.423E+02	0.519E+02	0.415E+03	0.835E+03	0.365E+03	0.110E+03	0.662E+02
1945	0.550E+02	0.541E+02	0.437E+02	0.431E+02	0.431E+02	0.434E+02	0.543E+02	0.367E+03	0.636E+03	0.306E+03	0.160E+03	0.895E+02
1946	0.579E+02	0.607E+02	0.483E+02	0.457E+02	0.440E+02	0.481E+02	0.159E+03	0.463E+03	0.534E+03	0.144E+03	0.876E+02	0.584E+02
1947	0.665E+02	0.588E+02	0.502E+02	0.439E+02	0.427E+02	0.492E+02	0.721E+02	0.690E+03	0.755E+03	0.334E+03	0.145E+03	0.904E+02
1948	0.717E+02	0.623E+02	0.543E+02	0.467E+02	0.408E+02	0.402E+02	0.559E+02	0.479E+03	0.438E+03	0.114E+03	0.797E+02	0.533E+02
1949	0.530E+02	0.486E+02	0.474E+02	0.472E+02	0.434E+02	0.419E+02	0.107E+03	0.486E+03	0.102E+04	0.339E+03	0.114E+03	0.702E+02
1950	0.724E+02	0.621E+02	0.532E+02	0.550E+02	0.478E+02	0.476E+02	0.105E+03	0.365E+03	0.115E+04	0.338E+03	0.112E+03	0.867E+02
1951	0.651E+02	0.591E+02	0.535E+02	0.479E+02	0.472E+02	0.453E+02	0.682E+02	0.426E+03	0.924E+03	0.344E+03	0.181E+03	0.851E+02
1952	0.435E+02	0.626E+02	0.589E+02	0.500E+02	0.500E+02	0.434E+02	0.105E+03	0.685E+03	0.127E+04	0.413E+03	0.210E+03	0.112E+03
1953	0.695E+02	0.555E+02	0.523E+02	0.500E+02	0.437E+02	0.441E+02	0.607E+02	0.131E+03	0.887E+03	0.235E+03	0.129E+03	0.700E+02
1954	0.547E+02	0.531E+02	0.452E+02	0.426E+02	0.415E+02	0.424E+02	0.799E+02	0.533E+03	0.230E+03	0.126E+03	0.794E+02	0.656E+02
1955	0.540E+02	0.469E+02	0.397E+02	0.405E+02	0.380E+02	0.370E+02	0.449E+02	0.343E+03	0.545E+03	0.149E+03	0.113E+03	0.734E+02
1956	0.571E+02	0.534E+02	0.575E+02	0.493E+02	0.428E+02	0.457E+02	0.865E+02	0.640E+03	0.820E+03	0.163E+03	0.809E+02	0.539E+02
1957	0.496E+02	0.431E+02	0.423E+02	0.372E+02	0.335E+02	0.399E+02	0.440E+02	0.147E+03	0.120E+04	0.447E+03	0.140E+03	0.882E+02
1958	0.433E+02	0.677E+02	0.529E+02	0.461E+02	0.453E+02	0.420E+02	0.666E+02	0.595E+03	0.685E+03	0.144E+03	0.808E+02	0.683E+02
1959	0.525E+02	0.469E+02	0.396E+02	0.342E+02	0.350E+02	0.382E+02	0.575E+02	0.213E+03	0.711E+03	0.180E+03	0.932E+02	0.721E+02
1960	0.306E+03	0.654E+02	0.435E+02	0.413E+02	0.399E+02	0.461E+02	0.855E+02	0.382E+03	0.559E+03	0.119E+03	0.601E+02	0.577E+02
1961	0.637E+02	0.537E+02	0.416E+02	0.359E+02	0.346E+02	0.376E+02	0.446E+02	0.274E+03	0.238E+03	0.694E+02	0.689E+02	0.168E+03
1962	0.152E+03	0.942E+02	0.695E+02	0.552E+02	0.541E+02	0.489E+02	0.177E+03	0.484E+03	0.965E+03	0.352E+03	0.117E+03	0.728E+02
1963	0.721E+02	0.516E+02	0.380E+02	0.277E+02	0.356E+02	0.333E+02	0.478E+02	0.414E+03	0.684E+03	0.178E+03	0.108E+03	0.103E+03
1964	0.474E+02	0.718E+02	0.520E+02	0.458E+02	0.403E+02	0.404E+02	0.507E+02	0.448E+03	0.870E+03	0.395E+03	0.117E+03	0.667E+02
1965	0.521E+02	0.482E+02	0.524E+02	0.508E+02	0.400E+02	0.395E+02	0.775E+02	0.262E+03	0.114E+04	0.799E+03	0.258E+03	0.163E+03
1966	0.108E+03	0.764E+02	0.658E+02	0.489E+02	0.409E+02	0.541E+02	0.108E+03	0.547E+03	0.312E+03	0.130E+03	0.935E+02	0.858E+02
1967	0.744E+02	0.613E+02	0.581E+02	0.523E+02	0.472E+02	0.476E+02	0.552E+02	0.349E+03	0.988E+03	0.560E+03	0.164E+03	0.102E+03
1968	0.753E+02	0.504E+02	0.475E+02	0.448E+02	0.446E+02	0.438E+02	0.520E+02	0.203E+03	0.121E+04	0.346E+03	0.196E+03	0.104E+03
1969	0.778E+02	0.591E+02	0.527E+02	0.492E+02	0.485E+02	0.447E+02	0.106E+03	0.831E+03	0.612E+03	0.217E+03	0.121E+03	0.827E+02
1970	0.718E+02	0.587E+02	0.469E+02	0.424E+02	0.433E+02	0.404E+02	0.418E+02	0.370E+03	0.690E+03	0.209E+03	0.100E+03	0.997E+02
1971	0.682E+02	0.588E+02	0.513E+02	0.521E+02	0.416E+02	0.424E+02	0.975E+02	0.325E+03	0.108E+04	0.356E+03	0.136E+03	0.816E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.7577E+02	0.5072E+02	0.5046E+02	0.4564E+02	0.4318E+02	0.4392E+02	0.8139E+02	0.4417E+03	0.7529E+03	0.2670E+03	0.1195E+03	0.8531E+02
0.5238E+03	0.1656E+03	0.7162E+02	0.4890E+02	0.2811E+02	0.2419E+02	0.1249E+04	0.2539E+05	0.8741E+05	0.2311E+05	0.2059E+04	0.6457E+03
0.2289E+02	0.1287E+02	0.8463E+01	0.6993E+01	0.5302E+01	0.4918E+01	0.3534E+02	0.1543E+03	0.2957E+03	0.1520E+03	0.4538E+02	0.2541E+02
0.1779E+01	0.1454E+01	0.5271E+00-0.4643E+00		0.1042E+00	0.4111E+00	0.1216E+01	0.1229E+00-0.2273E+00		0.1382E+01	0.1056E+01	0.1838E+01
0.3620E+00	0.2119E+00	0.1664E+00	0.1531E+00	0.1228E+00	0.1120E+00	0.4342E+00	0.3608E+00	0.3927E+00	0.5693E+00	0.3796E+00	0.2978E+00
0.3664E+01	0.2336E+01	0.2440E+01	0.2208E+01	0.2088E+01	0.2124E+01	0.3936E+01	0.2136E+02	0.3641E+02	0.1291E+02	0.5781E+01	0.4126E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.889	0.597	*	*	*	*	*	*	*	*	*
*	1.000	0.789	0.603	*	*	*	*	*	*	*	*
*	*	1.000	0.862	0.764	*	*	*	*	*	*	*
*	*	*	1.000	0.819	0.675	*	*	*	*	*	*
*	*	*	*	1.000	0.724	0.583	*	*	*	*	*
*	*	*	*	*	1.000	0.585	0.347	*	*	*	*
*	*	*	*	*	*	1.000	0.388	0.033	*	*	*
*	*	*	*	*	*	*	1.000	-0.274	-0.239	*	*
*	*	*	*	*	*	*	*	1.000	0.779	0.726	*
*	*	*	*	*	*	*	*	*	1.000	0.854	0.386
*	*	*	*	*	*	*	*	*	*	1.000	0.460
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT-0.002

SEPT-OCT 0.739

SEPT-NOV 0.683

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.036	-0.152	-0.126	-0.216	-0.158	-0.170	-0.275	-0.424	0.101	0.012	0.104	-0.191

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09279100 Rock Creek near Talmage, Utah

LOCATION.--Lat 40°18'40", long 110°29'36", in SE¼NE¼NW¼ sec.18, T.2 S., R.5 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on left bank 1.5 miles (2.4 km) upstream from mouth, 4.1 miles (6.6 km) southwest of Talmage, and 11 miles (18 km) northwest of Duchesne.

DRAINAGE AREA.--240 sq mi (622 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 6,119.3 ft (1,865.16 m) above mean sea level, adjustment of 1927.

EXTREMES.--Maximum discharge, 2,320 ft^3/s (65.7 m^3/s) July 29, 1968 (gage height, 4.37 ft or 1.332 m); minimum indicated, 21 ft^3/s (0.59 m^3/s) Nov. 26, 1967, Jan. 9, 1969, probably caused by ice jams above station.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1965	46.00	5	47.00	5	48.30	4	49.60	4	50.50	4	53.20	5	57.50	5	59.50	4	60.10	4	188.00	3
1966	41.00	3	41.70	3	42.00	2	44.10	3	48.50	3	52.00	3	57.00	4	62.30	5	77.80	7	274.00	7
1967	52.00	6	54.00	6	55.00	6	56.10	6	56.40	6	59.30	6	60.90	6	63.60	6	70.20	5	149.00	1
1968	41.00	4	43.70	4	49.00	5	49.90	5	51.20	5	52.30	4	52.30	3	52.70	2	57.60	2	216.00	6
1969	54.00	7	55.70	7	58.10	7	61.30	7	62.20	7	66.50	7	67.10	7	68.90	7	72.30	6	211.00	5
1970	39.00	2	39.70	1	40.90	1	41.90	1	44.70	2	45.40	1	45.90	1	47.00	1	54.40	1	206.00	4
1971	38.00	1	41.00	2	42.90	3	43.60	2	44.10	1	47.00	2	51.50	2	53.50	3	58.70	3	156.00	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1964	1550.0	5	1370.0	6	1120.0	6	1010.0	6	907.0	6	755.0	5	565.0	6	447.0	6	316.0	6	190.0	6
1965	2010.0	1	1860.0	1	1630.0	1	1350.0	2	1280.0	1	1010.0	1	794.0	1	651.0	1	470.0	1	266.0	1
1966	887.0	8	841.0	8	750.0	8	673.0	8	620.0	8	461.0	8	357.0	8	298.0	8	228.0	8	153.0	8
1967	1590.0	4	1490.0	4	1420.0	4	1340.0	3	1080.0	3	873.0	2	664.0	2	528.0	2	373.0	2	222.0	2
1968	1750.0	2	1680.0	2	1580.0	3	1340.0	4	1170.0	2	778.0	4	592.0	4	487.0	4	349.0	4	203.0	4
1969	1430.0	6	1390.0	5	1300.0	5	1200.0	5	1030.0	5	792.0	3	613.0	3	496.0	3	357.0	3	215.0	3
1970	1130.0	7	1090.0	7	1020.0	7	964.0	7	788.0	7	582.0	7	435.0	7	351.0	7	253.0	7	154.0	7
1971	1710.0	3	1630.0	3	1590.0	2	1400.0	1	1040.0	4	737.0	6	568.0	5	460.0	5	330.0	5	195.0	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2922	100.0	9	98.00	111	1128	38.6	18	290.0	34	494	16.9	27	830	45	175	5.9
1	33.00	28	2922	100.0	10	110.00	93	1017	34.8	19	320.0	30	460	15.7	28	960	39	130	4.4
2	43.00	172	2894	99.0	11	120.00	115	924	31.6	20	360.0	35	430	14.7	29	1100	20	91	3.1
3	48.00	257	2722	93.2	12	140.00	80	809	27.7	21	410.0	32	395	13.5	30	1200	20	71	2.4
4	54.00	312	2465	84.4	13	160.00	53	729	24.9	22	460.0	39	363	12.4	31	1300	30	51	1.7
5	61.00	378	2153	73.7	14	180.00	43	676	23.1	23	520.0	32	324	11.1	32	1500	17	21	.7
6	69.00	271	1775	60.7	15	200.00	54	633	21.7	24	580.0	42	292	10.0	33	1700	2	4	.1
7	77.00	220	1504	51.5	16	230.00	37	579	19.8	25	660.0	44	250	8.6	34	1900	2	2	.0
8	87.00	156	1284	43.9	17	250.00	48	542	18.5	26	740.0	31	206	7.0					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
1964			56	30	28	43	36	32	23	14	11	7	8	5	4	2	4	2	2	4	3	3	2	3	10	7	5	7	6	4	3	1	1			69663.0
1965			5	27	75	62	17	11	3	2	5	10	19	17	4	6	5	11	5	5	7	7	4	6	4	7	2	7	8	5	4	11	2		2	96954.0
1966		5	8	28	22	21	22	41	42	23	36	34	15	4	6	3	3	5	4	4	8	5	6	3	5	6	4	2								55804.0
1967				1	44	92	33	35	22	19	10	16	4	2	8	5	2	4	3	3	4	1	5	5	6	5	8	5	8	2	4	8	1			81110.0
1968		1	3	76	80	26	15	6	12	13	8	14	7	5	8	18	14	8	5	2	2	5	3	3	2	5		3	6	2	2	5	6	1		74460.0
1969						64	85	52	24	16	6	12	7	6	6	8	4	7	2	6	5	1	7	5	7	2	5	13	4	3	5	3				78486.0
1970			16	68	63	19	26	24	24	16	11	10	8	10	9	2	4	1	3	6	1	3	3	7	5	3	6	4	4	6	3					56242.0
1971			6	32	32	44	44	39	19	14	13	7	14	10	5	5	8	4	8	7	5	3	7	5	2	5	6	3	4	1	1	2	2	7	1	71137.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1964	0.979E 02	0.811E 02	0.618E 02	0.519E 02	0.450E 02	0.489E 02	0.640E 02	0.445E 03	0.842E 03	0.360E 03	0.118E 03	0.685E 02
1965	0.608E 02	0.616E 02	0.657E 02	0.658E 02	0.550E 02	0.515E 02	0.917E 02	0.277E 03	0.117E 04	0.831E 03	0.282E 03	0.167E 03
1966	0.121E 03	0.924E 02	0.782E 02	0.585E 02	0.483E 02	0.640E 02	0.119E 03	0.574E 03	0.335E 03	0.137E 03	0.102E 03	0.963E 02
1967	0.901E 02	0.753E 02	0.716E 02	0.644E 02	0.582E 02	0.600E 02	0.641E 02	0.359E 03	0.987E 03	0.566E 03	0.162E 03	0.103E 03
1968	0.771E 02	0.560E 02	0.545E 02	0.518E 02	0.537E 02	0.525E 02	0.622E 02	0.210E 03	0.117E 04	0.342E 03	0.208E 03	0.111E 03
1969	0.792E 02	0.777E 02	0.745E 02	0.670E 02	0.678E 02	0.667E 02	0.135E 03	0.875E 03	0.679E 03	0.252E 03	0.114E 03	0.815E 02
1970	0.746E 02	0.628E 02	0.505E 02	0.448E 02	0.462E 02	0.468E 02	0.487E 02	0.368E 03	0.697E 03	0.210E 03	0.100E 03	0.982E 02
1971	0.673E 02	0.701E 02	0.597E 02	0.603E 02	0.480E 02	0.459E 02	0.104E 03	0.338E 03	0.101E 04	0.341E 03	0.114E 03	0.809E 02

09279100 Rock Creek near Talmage, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.8354E 02	0.7210E 02	0.6457E 02	0.5806E 02	0.5277E 02	0.5452E 02	0.8612E 02	0.4307E 03	0.8617E 03	0.3801E 03	0.1501E 03	0.1009E 03
0.3698E 03	0.1423E 03	0.9519E 02	0.6282E 02	0.5818E 02	0.6389E 02	0.9702E 03	0.4397E 05	0.8119E 05	0.4932E 05	0.4189E 04	0.9078E 03
0.1923E 02	0.1193E 02	0.9757E 01	0.7926E 01	0.7628E 01	0.7993E 01	0.3115E 02	0.2097E 03	0.2849E 03	0.2221E 03	0.6472E 02	0.3013E 02
0.1061E 01	0.3435E 00	-0.2092E-01	-0.5253E 00	0.1117E 01	0.5579E 00	0.4583E 00	0.1542E 01	-0.7583E 00	0.1334E 01	0.1487E 01	0.1690E 01
0.2302E 00	0.1654E 00	0.1511E 00	0.1365E 00	0.1445E 00	0.1466E 00	0.3617E 00	0.4869E 00	0.3307E 00	0.5843E 00	0.4313E 00	0.2987E 00
0.3488E 01	0.3010E 01	0.2696E 01	0.2424E 01	0.2203E 01	0.2276E 01	0.3596E 01	0.1798E 02	0.3598E 02	0.1587E 02	0.6265E 01	0.4212E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.840	0.549	*	*	*	*	*	*	*	*	*
*	1.000	0.763	0.246	*	*	*	*	*	*	*	*
*	*	1.000	0.747	0.493	*	*	*	*	*	*	*
*	*	*	1.000	0.717	0.572	*	*	*	*	*	*
*	*	*	*	1.000	0.694	0.479	*	*	*	*	*
*	*	*	*	*	1.000	0.618	0.723	*	*	*	*
*	*	*	*	*	*	1.000	0.720	-0.408	*	*	*
*	*	*	*	*	*	*	1.000	-0.682	-0.465	*	*
*	*	*	*	*	*	*	*	1.000	0.734	0.743	*
*	*	*	*	*	*	*	*	*	1.000	0.857	0.757
*	*	*	*	*	*	*	*	*	*	1.000	0.890
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.770
SEPT-OCT 0.912
SEPT-NOV 0.822

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.315	-0.440	-0.210	-0.688	-0.295	-0.078	-0.596	-0.458	-0.445	-0.400	-0.325	-0.476

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09279500 Duchesne River at Duchesne, Utah

LOCATION.--Lat 40°09'51", Long 110°23'34", in NW¼SE¼NE¼ sec.1, T.4 S., R.5 W., Uintah meridian, Duchesne County, on left bank at Duchesne, 0.2 miles (0.3 km) upstream from Strawberry River.

DRAINAGE AREA.--660 sq mi (1,709 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 5,494.4 ft (1,674.69 m) above mean sea level; adjustment of 1927. Prior to Oct. 18, 1934, nonrecording gage at site 2,200 ft (670.6 m) upstream at different datum. Oct. 18, 1934, to Sept. 11, 1952, water-stage recorder at site 1,000 ft (305 m) upstream at datum 4.6 ft (1.40 m) higher.

EXTREMES.--Maximum discharge observed, 4,420 ft^3/s (125 m^3/s) June 10, 1922 (gage height, 8.65 ft or 2.636 m, site and datum then in use); minimum daily, 4.0 ft^3/s (0.11 m^3/s) Feb. 28 to Mar. 3, 1970.

REMARKS.--Several diversions above station for irrigation, including a transmountain diversion to The Great Basin through Duchesne tunnel. Diversion of some water to Starvation Reservoir through Knight Diversion Tunnel began December 1969.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	51.00 3	51.70 3	58.70 3	65.10 3	67.40 2	76.80 2	94.60 2	138.00 8	160.00 15	237.00 5
1942	141.00 28	147.00 28	155.00 29	161.00 29	172.00 28	175.00 28	178.00 27	184.00 27	210.00 29	398.00 21
1943	76.00 9	94.30 18	96.10 16	99.60 16	103.00 14	120.00 13	134.00 13	147.00 15	152.00 9	330.00 14
1944	96.00 20	97.30 20	100.00 19	102.00 17	111.00 18	140.00 20	170.00 26	175.00 26	172.00 21	428.00 26
1945	91.00 16	93.70 16	97.40 17	105.00 19	110.00 17	120.00 14	138.00 14	150.00 16	155.00 12	384.00 18
1946	130.00 26	130.00 26	130.00 26	130.00 26	132.00 24	137.00 19	144.00 19	153.00 17	166.00 19	334.00 15
1947	74.00 7	74.00 7	77.00 8	85.60 9	90.90 7	110.00 9	125.00 9	145.00 11	160.00 16	328.00 13
1948	104.00 23	105.00 23	110.00 22	117.00 21	132.00 25	156.00 26	161.00 23	165.00 21	168.00 20	418.00 24
1949	70.00 6	71.30 6	72.00 6	74.20 5	83.10 5	92.30 4	100.00 3	113.00 2	133.00 5	267.00 8
1950	111.00 24	115.00 24	118.00 24	120.00 23	125.00 21	135.00 18	156.00 22	171.00 24	181.00 25	447.00 27
1951	48.00 2	49.30 2	51.30 2	61.60 2	92.50 8	155.00 25	152.00 21	168.00 22	176.00 24	453.00 28
1952	91.00 17	94.00 17	98.90 18	104.00 18	128.00 23	145.00 21	146.00 20	153.00 18	165.00 18	409.00 22
1953	148.00 29	151.00 29	152.00 28	157.00 27	165.00 27	174.00 27	191.00 28	202.00 29	196.00 28	590.00 30
1954	85.00 14	85.70 13	87.90 12	88.40 10	97.80 12	116.00 12	141.00 17	153.00 19	158.00 14	405.00 10
1955	64.00 5	64.70 5	68.70 5	81.10 7	83.00 4	91.70 3	109.00 6	122.00 4	130.00 2	190.00 1
1956	81.00 12	83.70 12	90.60 13	96.90 14	106.00 15	115.00 10	130.00 10	144.00 10	153.00 10	246.00 6
1957	80.00 11	80.30 9	81.90 9	84.10 8	85.60 6	94.00 5	108.00 5	122.00 3	132.00 3	321.00 12
1958	82.00 13	82.00 10	87.60 11	96.90 15	109.00 16	147.00 23	166.00 25	175.00 25	175.00 23	377.00 17
1959	86.00 15	92.00 14	92.60 14	93.30 12	95.10 10	101.00 6	104.00 4	115.00 3	133.00 4	314.00 11
1960	76.00 8	76.00 8	76.60 7	79.90 6	97.10 11	122.00 15	133.00 11	143.00 9	145.00 7	218.00 4
1961	79.00 10	83.00 11	87.40 10	89.80 11	94.70 9	102.00 7	116.00 8	126.00 6	136.00 6	205.00 3
1962	56.00 4	57.30 4	60.90 4	66.90 4	77.60 3	115.00 11	139.00 15	164.00 20	188.00 26	194.00 2
1963	100.00 21	100.00 21	103.00 21	123.00 25	127.00 22	145.00 22	142.00 18	146.00 12	155.00 11	385.00 19
1964	117.00 25	119.00 25	120.00 25	120.00 24	122.00 20	128.00 16	133.00 12	146.00 13	156.00 13	270.00 9
1965	92.00 18	92.70 15	94.60 15	95.10 13	98.90 13	104.00 8	114.00 7	131.00 7	151.00 8	337.00 16
1966	138.00 27	143.00 27	150.00 27	157.00 28	181.00 30	193.00 30	202.00 30	211.00 30	227.00 30	540.00 29
1967	94.00 19	95.30 19	101.00 20	109.00 20	115.00 19	131.00 17	141.00 16	146.00 14	164.00 17	262.00 7
1968	102.00 22	105.00 22	111.00 23	119.00 22	141.00 26	155.00 24	164.00 24	171.00 23	174.00 22	418.00 23
1969	153.00 30	155.00 30	160.00 30	170.00 30	173.00 29	190.00 29	194.00 29	193.00 28	195.00 27	420.00 25
1970	4.00 1	4.00 1	4.43 1	5.64 1	15.60 1	19.80 1	39.30 1	56.80 1	108.00 1	388.00 20

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	2370.0 14	2220.0 14	2030.0 15	1710.0 17	1610.0 13	1320.0 12	994.0 14	799.0 14	586.0 13	384.0 13
1942	2270.0 16	2140.0 17	2080.0 14	1810.0 14	1610.0 14	1050.0 19	820.0 19	680.0 18	507.0 17	349.0 15
1943	2270.0 17	2190.0 16	2090.0 13	1640.0 20	1530.0 17	1320.0 13	1120.0 8	927.0 5	682.0 5	421.0 7
1944	2340.0 15	2210.0 15	1980.0 16	1740.0 15	1690.0 12	1410.0 10	1050.0 11	850.0 11	619.0 12	393.0 12
1945	1660.0 22	1620.0 22	1500.0 22	1290.0 22	1170.0 21	993.0 21	793.0 20	673.0 19	499.0 19	333.0 17
1946	2060.0 20	1930.0 20	1740.0 20	1350.0 21	1160.0 22	1060.0 18	825.0 18	664.0 20	485.0 20	321.0 21
1947	2110.0 19	2010.0 19	1910.0 19	1700.0 18	1590.0 16	1450.0 9	1130.0 7	916.0 8	672.0 6	425.0 6
1948	2130.0 18	2100.0 18	1970.0 17	1830.0 13	1410.0 20	867.0 22	644.0 22	524.0 22	399.0 22	273.0 23
1949	2810.0 11	2790.0 9	2760.0 7	2430.0 5	1940.0 8	1550.0 5	1230.0 4	988.0 4	707.0 4	429.0 5
1950	2950.0 9	2700.0 11	2560.0 10	2430.0 6	2290.0 4	1660.0 3	1260.0 3	1020.0 3	733.0 3	459.0 3
1951	3050.0 7	2990.0 6	2700.0 9	2020.0 12	1940.0 9	1460.0 7	1110.0 9	902.0 9	654.0 9	417.0 9
1952	3860.0 1	3760.0 1	3580.0 1	3160.0 1	2520.0 1	2030.0 1	1640.0 1	1350.0 1	980.0 1	574.0 1
1953	3430.0 2	3250.0 3	2870.0 5	2280.0 9	1600.0 15	1010.0 20	760.0 21	611.0 21	455.0 21	322.0 20
1954	1130.0 28	1110.0 28	1000.0 28	917.0 27	681.0 28	443.0 28	354.0 28	304.0 28	255.0 28	198.0 28
1955	1640.0 23	1520.0 23	1260.0 24	961.0 25	940.0 24	681.0 24	518.0 25	435.0 25	337.0 25	240.0 25
1956	2830.0 10	2740.0 10	2480.0 11	2150.0 11	1820.0 10	1170.0 16	874.0 16	699.0 16	514.0 16	329.0 19
1957	3300.0 5	3240.0 4	2990.0 3	2420.0 7	2080.0 6	1350.0 11	996.0 13	803.0 13	575.0 14	359.0 14
1958	3010.0 8	2930.0 8	2740.0 8	2370.0 8	1810.0 11	1170.0 17	854.0 17	681.0 17	503.0 18	332.0 18
1959	1290.0 26	1270.0 26	1150.0 25	1020.0 24	799.0 26	581.0 26	443.0 26	364.0 26	284.0 27	210.0 27
1960	1230.0 27	1170.0 27	1060.0 27	892.0 28	757.0 27	549.0 27	421.0 27	362.0 27	286.0 26	214.0 26
1961	691.0 29	662.0 29	581.0 29	485.0 29	417.0 29	309.0 29	246.0 29	212.0 29	197.0 29	168.0 29
1962	1950.0 21	1850.0 21	1720.0 21	1670.0 19	1460.0 19	1220.0 14	1020.0 12	850.0 12	630.0 11	403.0 11
1963	1490.0 24	1450.0 24	1300.0 23	1170.0 23	1090.0 23	792.0 23	593.0 23	495.0 23	383.0 23	269.0 24
1964	2730.0 12	2370.0 13	1920.0 18	1740.0 16	1510.0 18	1220.0 15	900.0 15	716.0 15	519.0 15	336.0 16
1965	3400.0 3	3260.0 2	3010.0 2	2620.0 2	2320.0 2	1790.0 2	1410.0 2	1150.0 2	851.0 2	505.0 2
1966	1420.0 25	1310.0 25	1140.0 26	925.0 26	889.0 25	637.0 25	534.0 24	459.0 24	368.0 24	286.0 22
1967	3050.0 6	2970.0 7	2850.0 6	2610.0 3	2160.0 5	1600.0 4	1180.0 5	925.0 6	662.0 8	419.0 8
1968	3360.0 4	3120.0 5	2950.0 4	2490.0 4	2290.0 3	1450.0 8	1070.0 10	880.0 10	641.0 10	409.0 10
1969	2600.0 13	2550.0 12	2420.0 12	2240.0 10	1960.0 7	1480.0 6	1150.0 6	925.0 7	672.0 7	432.0 4

09279500 Duchesne River at Duchesne, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10592	100.0	9	22.00	0	10592	100.0	18	150.0	2568	8073	76.2	27	970	199	944	8.9
1	4.00	0	10592	100.0	10	27.00	0	10592	100.0	19	180.0	2086	5505	52.0	28	1200	238	745	7.0
2	4.90	0	10592	100.0	11	33.00	0	10592	100.0	20	220.0	824	3419	32.3	29	1500	198	507	4.7
3	6.10	0	10592	100.0	12	41.00	5	10592	100.0	21	270.0	490	2595	24.5	30	1800	179	309	2.9
4	7.50	0	10592	100.0	13	51.00	6	10587	100.0	22	340.0	319	2105	19.9	31	2300	81	130	1.2
5	9.30	0	10592	100.0	14	62.00	57	10581	99.9	23	420.0	227	1786	16.9	32	2800	44	49	.4
6	12.00	0	10592	100.0	15	77.00	263	10524	99.4	24	520.0	202	1559	14.7	33	3500	5	5	.0
7	14.00	0	10592	100.0	16	95.00	650	10261	96.9	25	640.0	205	1357	12.8	34	4300			
8	16.00	0	10592	100.0	17	120.00	1538	9611	90.7	26	790.0	208	1152	10.9					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1941													4	28	132	59	37	31	10	6	5	5	2	5	21	12	7	1								140218.0
1942												4	30	20	54	87	53	36	30	11	4	4	2	3	11	6	10									127444.0
1943											1	1	36	21	88	68	18	30	8	9	10	11	16	12	16	9	11									153784.0
1944												2	36	26	97	63	58	9	7	4	5	3	7	6	19	13	9	2								143817.0
1945														44	146	55	11	19	17	10	8	9	18	17	6	5										121508.0
1946											5	26	11	78	78	67	23	5	4	3	4	11	19	14	11	4	2									117051.0
1947											1		4	19	103	88	51	13	7	8	2	5	6	15	19	13	11									155120.0
1948											13	21	34	29	125	76	22	5	5	5	2	3	3	5	3	7	8									99787.0
1949												6	19	52	137	36	14	7	6	6	8	12	9	17	13	9	4	9	1							156425.0
1950				5	2	5	4	7	15	41	136	37	18	16	10	9	7	10	3	7	5	13	13	2													167716.0
1951												2	10	35	68	98	49	16	14	17	4	5	3	9	9	10	5	7	4							152091.0
1952													4	33	79	77	20	26	12	12	21	6	5	8	19	15	12	6	6	5						210154.0
1953												4	21	35	106	78	55	9	10	8	5	7	7	5	2	3	3	4	3							117358.0
1954												16	33	26	57	108	80	13	6	3	4	3	4	8	4											72131.0
1955														20	122	126	34	7	4	7	10	9	7	8	2	6	3									87767.0
1956													21	41	53	106	59	9	10	18	5	6	7	3	2	1	10	10	4	1						120385.0
1957													24	19	92	107	23	11	27	8	4	7	6	4	3	5	7	9	5	4						130959.0
1958													5	56	46	75	78	38	12	3	4	13	8	3	2	1	4	9	4	4						121272.0
1959												5	34	55	113	58	40	2	12	6	11	12	3	6	5	3										76827.0
1960													23	34	110	67	74	12	5	1	8	10	11	6	3	2										78423.0
1961											4	11	44	72	75	80	22	9	17	13	13	3	2													61199.0
1962													15	68	58	37	57	23	15	10	11	21	10	7	15	12	6									147030.0
1963													17	97	91	73	22	12	10	3	4	8	5	12	11											98334.0
1964													20	136	61	66	12	6	3	5	5	4	10	11	12	7	7	1								122815.0
1965												7	34	38	61	50	24	25	27	16	8	11	7	12	7	9	17	6	6							184506.0
1966													2	18	24	26	96	92	42	25	8	4	9	11	5	3										104324.0
1967														7	52	105	104	18	10	3	5	4	6	6	4	7	16	6	7	5						152929.0
1968															13	114	113	18	36	20	6	7	4	2	1	3	7	8	6	8						149743.0
1969															7	71	149	32	19	11	6	9	6	12	7	6	12	12	6							157861.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.175E 03	0.129E 03	0.137E 03	0.161E 03	0.160E 03	0.143E 03	0.142E 03	0.967E 03	0.299E 03	0.102E 03	0.691E 02	0.168E 03
1941	0.259E 03	0.206E 03	0.168E 03	0.155E 03	0.157E 03	0.142E 03	0.179E 03	0.117E 04	0.138E 04	0.396E 03	0.204E 03	0.186E 03
1942	0.275E 03	0.243E 03	0.203E 03	0.184E 03	0.176E 03	0.173E 03	0.324E 03	0.716E 03	0.134E 04	0.315E 03	0.109E 03	0.134E 03
1943	0.167E 03	0.188E 03	0.162E 03	0.157E 03	0.169E 03	0.181E 03	0.500E 03	0.123E 04	0.141E 04	0.517E 03	0.249E 03	0.111E 03
1944	0.197E 03	0.209E 03	0.185E 03	0.170E 03	0.160E 03	0.196E 03	0.238E 03	0.935E 03	0.164E 04	0.549E 03	0.132E 03	0.110E 03
1945	0.173E 03	0.187E 03	0.168E 03	0.162E 03	0.155E 03	0.155E 03	0.165E 03	0.781E 03	0.115E 04	0.425E 03	0.306E 03	0.161E 03
1946	0.186E 03	0.212E 03	0.172E 03	0.145E 03	0.131E 03	0.163E 03	0.463E 03	0.102E 04	0.944E 03	0.192E 03	0.126E 03	0.943E 02
1947	0.190E 03	0.213E 03	0.176E 03	0.165E 03	0.169E 03	0.184E 03	0.221E 03	0.145E 04	0.138E 04	0.517E 03	0.264E 03	0.154E 03
1948	0.161E 03	0.201E 03	0.175E 03	0.163E 03	0.160E 03	0.163E 03	0.186E 03	0.955E 03	0.750E 03	0.162E 03	0.106E 03	0.869E 02
1949	0.116E 03	0.169E 03	0.174E 03	0.155E 03	0.155E 03	0.179E 03	0.343E 03	0.111E 04	0.187E 04	0.582E 03	0.157E 03	0.130E 03
1950	0.186E 03	0.212E 03	0.191E 03	0.209E 03	0.190E 03	0.184E 03	0.345E 03	0.846E 03	0.221E 04	0.630E 03	0.146E 03	0.175E 03
1951	0.160E 03	0.204E 03	0.210E 03	0.182E 03	0.179E 03	0.162E 03	0.195E 03	0.946E 03	0.172E 04	0.569E 03	0.328E 03	0.142E 03
1952	0.197E 03	0.196E 03	0.176E 03	0.147E 03	0.150E 03	0.144E 03	0.389E 03	0.163E 04	0.242E 04	0.774E 03	0.433E 03	0.246E 03
1953	0.164E 03	0.206E 03	0.234E 03	0.222E 03	0.180E 03	0.168E 03	0.153E 03	0.220E 03	0.159E 04	0.376E 03	0.236E 03	0.114E 03
1954	0.132E 03	0.196E 03	0.177E 03	0.171E 03	0.161E 03	0.145E 03	0.173E 03	0.644E 03	0.228E 03	0.150E 03	0.897E 02	0.993E 02
1955	0.154E 03	0.153E 03	0.139E 03	0.150E 03	0.140E 03	0.150E 03	0.154E 03	0.644E 03	0.696E 03	0.196E 03	0.183E 03	0.123E 03
1956	0.107E 03	0.171E 03	0.192E 03	0.168E 03	0.156E 03	0.166E 03	0.220E 03	0.101E 04	0.130E 04	0.228E 03	0.137E 03	0.939E 02
1957	0.981E 02	0.165E 03	0.158E 03	0.148E 03	0.148E 03	0.143E 03	0.128E 03	0.317E 03	0.204E 04	0.612E 03	0.217E 03	0.146E 03
1958	0.153E 03	0.227E 03	0.202E 03	0.173E 03	0.167E 03	0.154E 03	0.200E 03	0.122E 04	0.108E 04	0.184E 03	0.111E 03	0.106E 03
1959	0.957E 02	0.164E 03	0.178E 03	0.146E 03	0.139E 03	0.134E 03	0.123E 03	0.267E 03	0.799E 03	0.237E 03	0.140E 03	0.106E 03
1960	0.181E 03	0.184E 03	0.148E 03	0.131E 03	0.125E 03	0.174E 03	0.176E 03	0.463E 03	0.600E 03	0.178E 03	0.102E 03	0.110E 03
1961	0.141E 03	0.170E 03	0.156E 03	0.137E 03	0.120E 03	0.103E 03	0.777E 02	0.397E 03	0.299E 03	0.123E 03	0.111E 03	0.267E 03
1962	0.253E 03	0.222E 03	0.157E 03	0.128E 03	0.197E 03	0.192E 03	0.495E 03	0.944E 03	0.145E 04	0.476E 03	0.163E 03	0.139E 03
1963	0.191E 03	0.150E 03	0.151E 03	0.140E 03	0.167E 03	0.129E 03	0.134E 03	0.582E 03	0.938E 03	0.241E 03	0.191E 03	0.219E 03
1964	0.156E 03	0.191E 03	0.186E 03	0.142E 03	0.123E 03	0.136E 03	0.161E 03	0.816E 03	0.133E 04	0.504E 03	0.168E 03	0.114E 03
1965	0.995E 02	0.168E 03	0.181E 03	0.190E 03	0.164E 03	0.146E 03	0.214E 03	0.590E 03	0.220E 04	0.133E 04	0.429E 03	0.348E 03
1966	0.262E 03	0.246E 03	0.232E 03	0.207E 03	0.187E 03	0.220E 03	0.336E 03	0.845E 03	0.398E 03	0.209E 03	0.136E 03	0.142E 03
1967	0.161E 03	0.152E 03	0.145E 03	0.207E 03	0.176E 03	0.179E 03	0.160E 03	0.553E 03	0.200E 04	0.866E 03	0.217E 03	0.155E 03
1968	0.156E 03	0.186E 03	0.145E 03	0.176E 03	0.179E 03	0.170E 03	0.186E 03	0.411E 03	0.228E 04	0.477E 03	0.333E 03	0.161E 03
1969	0.202E 03	0.203E 03	0.189E 03	0.205E 03	0.196E 03	0.143E 03	0.397E 03	0.176E 04	0.117E 04	0.308E 03	0.177E 03	0.173E 03

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
M	0.1717E 03	0.1908E 03	0.1789E 03	0.1666E 03	0.1612E 03	0.1625E 03	0.2393E 03	0.8455E 03	0.1297E 04	0.4141E 03	0.1930E 03	0.1512E 03
V	0.2218E 04	0.7716E 03	0.5554E 03	0.6307E 03	0.4252E 03	0.5809E 03	0.1367E 05	0.1497E 06	0.3916E 06	0.7075E 05	0.8937E 04	0.3313E 04
D	0.4710E 02	0.2778E 02	0.2357E 02	0.2511E 02	0.2062E 02	0.2410E 02	0.1169E 03	0.3869E 03	0.6258E 03	0.2660E 03	0.9454E 02	0.5756E 02
S	0.4774E 00	-0.9172E-01	0.4589E 00	0.6106E 00	-0.3001E 00	-0.2357E-01	0.1007E 01	0.4358E 00	0.6825E-02	0.1528E 01	0.1176E 01	0.1761E 01
C	0.2743E 00	0.1456E 00	0.1317E 00	0.1508E 00	0.1279E 00	0.1483E 00	0.4887E 00	0.4575E 00	0.4825E 00	0.6423E 00	0.4898E 00	0.3807E 00
P	0.4116E 01	0.4573E 01	0.4288E 01	0.3993E 01	0.3865E 01	0.3896E 01	0.5736E 01	0.2027E 02	0.3109E 02	0.9927E 01	0.4627E 01	0.3624E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.626	0.153	*	*	*	*	*	*	*	*	*
*	1.000	0.598	0.299	*	*	*	*	*	*	*	*
*	*	1.000	0.770	0.488	*	*	*	*	*	*	*
*	*	*	1.000	0.663	0.486	*	*	*	*	*	*
*	*	*	*	1.000	0.642	0.398	*	*	*	*	*
*	*	*	*	*	1.000	0.597	0.353	*	*	*	*
*	*	*	*	*	*	1.000	0.594	0.242	*	*	*
*	*	*	*	*	*	*	1.000	0.127	0.057	*	*
*	*	*	*	*	*	*	*	1.000	0.823	0.691	*
*	*	*	*	*	*	*	*	*	1.000	0.746	0.547
*	*	*	*	*	*	*	*	*	*	1.000	0.579
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.255

SEPT-OCT 0.611

SEPT-NOV 0.614

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.140	-0.278	0.099	0.336	0.162	-0.049	-0.120	-0.138	0.141	-0.007	-0.012	-0.118

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09279501 Combined flow of Duchesne River and Duchesne tunnel

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1942	141.00	24	147.00	24	155.00	25	161.00	25	172.00	25	175.00	25	178.00	24	184.00	23	210.00	25	398.00	17
1943	76.00	6	94.30	14	96.10	10	99.60	11	103.00	10	120.00	10	134.00	8	147.00	8	152.00	6	330.00	11
1944	96.00	17	97.30	16	100.00	17	102.00	13	111.00	14	140.00	18	170.00	22	175.00	21	172.00	19	426.00	21
1945	91.00	12	93.70	12	97.40	11	105.00	15	110.00	13	120.00	11	138.00	9	150.00	9	155.00	7	384.00	15
1946	130.00	23	130.00	23	130.00	23	130.00	23	132.00	21	137.00	17	144.00	15	153.00	11	166.00	16	334.00	12
1947	74.00	5	74.00	5	77.00	5	85.60	4	90.90	2	110.00	7	125.00	7	145.00	7	160.00	10	328.00	10
1948	104.00	19	105.00	19	110.00	20	117.00	19	132.00	22	156.00	22	161.00	21	165.00	18	168.00	17	418.00	19
1949	70.00	2	71.30	2	72.00	2	74.20	2	83.10	1	92.30	1	100.00	1	113.00	1	133.00	1	267.00	4
1950	111.00	21	115.00	21	118.00	21	120.00	20	125.00	18	135.00	15	156.00	20	171.00	20	181.00	21	447.00	22
1951	48.00	1	49.30	1	51.30	1	61.60	1	92.50	5	155.00	21	152.00	19	168.00	19	176.00	20	453.00	23
1952	91.00	13	94.00	13	98.90	14	104.00	14	128.00	19	145.00	19	146.00	16	153.00	12	165.00	15	409.00	18
1953	148.00	26	151.00	25	152.00	24	157.00	24	165.00	24	174.00	24	191.00	25	202.00	25	196.00	23	590.00	26
1954	86.50	9	87.20	9	88.50	8	89.50	6	98.60	8	116.00	9	143.00	14	157.00	17	164.00	12	308.00	8
1955	71.00	3	72.70	4	76.30	4	90.10	7	92.00	4	102.00	2	120.00	6	132.00	5	138.00	2	229.00	2
1956	90.50	11	93.20	11	100.00	15	107.00	16	116.00	15	126.00	12	142.00	11	156.00	16	164.00	13	292.00	6
1957	86.60	10	87.10	8	88.60	9	91.20	9	92.60	6	102.00	3	117.00	3	131.00	4	140.00	3	363.00	14
1958	92.00	14	92.00	10	97.60	12	108.00	17	120.00	17	158.00	23	176.00	23	185.00	24	185.00	22	420.00	20
1959	92.50	15	98.20	17	98.70	13	99.10	10	102.00	9	109.00	6	113.00	2	124.00	2	141.00	4	343.00	13
1960	83.00	7	84.30	6	84.70	6	87.50	5	104.00	11	132.00	13	142.00	12	153.00	13	159.00	9	269.00	5
1961	84.90	8	86.40	7	88.50	7	90.90	8	95.80	7	103.00	4	119.00	4	131.00	3	142.00	5	249.00	3
1962	71.00	4	72.30	3	75.60	3	81.40	3	91.70	3	115.00	8	143.00	13	180.00	22	209.00	24	226.00	1
1963	105.00	20	105.00	20	108.00	19	129.00	22	133.00	23	149.00	20	147.00	17	151.00	10	161.00	11	455.00	24
1964	127.00	22	127.00	22	127.00	22	127.00	21	129.00	20	135.00	14	140.00	10	154.00	14	165.00	14	321.00	9
1965	98.20	18	98.90	18	100.00	16	101.00	12	105.00	12	109.00	5	120.00	5	137.00	6	158.00	8	389.00	16
1966	147.00	25	152.00	26	160.00	26	166.00	26	182.00	26	194.00	26	202.00	26	212.00	26	228.00	26	590.00	25
1967	94.60	16	95.90	15	102.00	18	109.00	18	116.00	16	136.00	16	148.00	18	154.00	15	171.00	18	299.00	7

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	2370.0	13	2220.0	13	2030.0	15	1710.0	16	1610.0	13	1320.0	13	994.0	14	799.0	14	586.0	14	384.0	13
1942	2270.0	15	2180.0	16	2080.0	14	1810.0	14	1610.0	14	1050.0	17	820.0	17	680.0	16	507.0	16	349.0	16
1943	2270.0	16	2190.0	15	2090.0	13	1640.0	18	1530.0	17	1320.0	14	1120.0	9	927.0	7	682.0	7	421.0	8
1944	2340.0	14	2210.0	14	1980.0	16	1740.0	15	1690.0	12	1410.0	11	1050.0	12	850.0	12	619.0	11	393.0	11
1945	1660.0	25	1620.0	25	1500.0	24	1290.0	24	1170.0	21	993.0	20	793.0	18	673.0	17	499.0	17	333.0	17
1946	2060.0	20	1930.0	20	1740.0	19	1350.0	21	1160.0	22	1060.0	16	825.0	16	664.0	18	485.0	18	321.0	19
1947	2110.0	19	2010.0	18	1910.0	18	1700.0	17	1590.0	16	1450.0	10	1130.0	8	916.0	8	672.0	8	425.0	7
1948	2130.0	17	2100.0	17	1970.0	17	1830.0	13	1410.0	19	867.0	22	644.0	23	524.0	23	399.0	23	273.0	23
1949	2810.0	11	2790.0	9	2760.0	6	2430.0	6	1940.0	8	1550.0	5	1230.0	6	988.0	6	707.0	6	429.0	6
1950	2950.0	10	2700.0	10	2560.0	10	2430.0	7	2290.0	3	1660.0	4	1260.0	5	1020.0	5	733.0	4	459.0	5
1951	3050.0	6	2990.0	5	2700.0	8	2020.0	12	1940.0	9	1460.0	9	1110.0	10	902.0	10	654.0	9	417.0	9
1952	3860.0	1	3760.0	1	3580.0	1	3160.0	1	2520.0	1	2030.0	1	1640.0	1	1350.0	1	980.0	1	574.0	1
1953	3430.0	2	3250.0	4	2870.0	4	2280.0	9	1600.0	15	1010.0	19	760.0	20	611.0	20	455.0	20	322.0	18
1954	1580.0	26	1570.0	26	1440.0	26	1300.0	22	957.0	26	621.0	26	486.0	26	407.0	26	323.0	26	237.0	26
1955	2130.0	18	1940.0	19	1680.0	20	1290.0	23	1220.0	20	893.0	21	669.0	21	553.0	22	418.0	22	285.0	22
1956	2960.0	9	2860.0	8	2580.0	9	2370.0	8	2050.0	6	1360.0	12	1020.0	13	811.0	13	591.0	13	373.0	14
1957	3360.0	4	3310.0	2	3040.0	2	2540.0	4	2250.0	4	1510.0	7	1130.0	7	910.0	9	650.0	10	400.0	10
1958	3010.0	7	2930.0	7	2740.0	7	2460.0	5	1940.0	7	1290.0	15	947.0	15	754.0	15	555.0	15	364.0	15
1959	1870.0	22	1820.0	22	1670.0	22	1470.0	20	1120.0	24	808.0	24	605.0	24	492.0	24	372.0	24	258.0	25
1960	1770.0	23	1700.0	23	1510.0	23	1260.0	25	1070.0	25	761.0	25	580.0	25	487.0	25	371.0	25	262.0	24
1961	1010.0	27	954.0	27	855.0	27	715.0	27	559.0	27	404.0	27	311.0	27	260.0	27	239.0	27	193.0	27
1962	2540.0	12	2400.0	12	2230.0	12	2170.0	10	1870.0	10	1540.0	6	1280.0	4	1050.0	3	766.0	3	481.0	3
1963	1930.0	21	1850.0	21	1680.0	21	1570.0	19	1450.0	18	1040.0	18	773.0	19	630.0	19	478.0	19	320.0	20
1964	2970.0	8	2620.0	11	2440.0	11	2090.0	11	1840.0	11	1480.0	8	1080.0	11	857.0	11	615.0	12	388.0	12
1965	3400.0	3	3260.0	3	3010.0	3	2630.0	2	2500.0	2	1990.0	2	1580.0	2	1300.0	2	951.0	2	559.0	2
1966	1770.0	24	1650.0	24	1450.0	25	1160.0	26	1140.0	23	816.0	23	656.0	22	554.0	21	431.0	21	318.0	21
1967	3070.0	5	2980.0	6	2850.0	5	2610.0	3	2200.0	5	1750.0	3	1300.0	3	1020.0	4	731.0	5	459.0	4

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9861	100.0	9	26.00	0	9861	100.0	18	160.0	2725	6945	70.4	27	1000	261	954	9.6
1	5.00	0	9861	100.0	10	32.00	0	9861	100.0	19	200.0	1313	4220	42.8	28	1300	164	693	7.0
2	6.10	0	9861	100.0	11	39.00	0	9861	100.0	20	240.0	614	2907	29.5	29	1500	255	529	5.3
3	7.50	0	9861	100.0	12	47.00	6	9861	100.0	21	300.0	368	2293	23.3	30	1900	134	274	2.7
4	9.20	0	9861	100.0	13	58.00	7	9855	99.9	22	370.0	240	1925	19.5	31	2300	95	140	1.4
5	11.00	0	9861	100.0	14	71.00	98	9848	99.9	23	450.0	178	1685	17.1	32	2800	40	45	.4
6	14.00	0	9861	100.0	15	88.00	480	9750	98.9	24	550.0	188	1507	15.3	33	3500	5	5	.0
7	17.00	0	9861	100.0	16	110.00	536	9270	94.0	25	680.0	188	1319	13.4	34	4300			
8	21.00	0	9861	100.0	17	130.00	1789	8734	88.6	26	830.0	177	1131	11.5					

09279501 Combined flow of Duchesne River and Duchesne tunnel--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1941													1	9	71	115	52	31	19	4	6	5	5	1	9	17	14	5	1						140218.0
1942													28	11	33	84	65	42	34	24	6	2	4	4	4	8	9	7							127444.0
1943													1	23	17	46	110	27	25	18	7	7	13	10	13	18	10	14	6						153784.0
1944													20	32	13	126	64	31	10	4	3	5	5	4	12	13	17	5	2						143817.0
1945																104	132	15	13	20	12	7	11	7	19	16	4	5							121508.0
1946													16	22	6	100	93	42	11	4	3	4	8	10	18	17	5	4	2						117051.0
1947													1	2	5	25	147	64	26	15	3	6	3	5	6	17	16	16	8						155120.0
1948													2	21	32	21	49	137	48	12	4	6	4	2	3	3	6	1	11	4						99787.0
1949													3	13	22	82	117	22	8	9	4	4	12	10	9	17	10	9	4	9	1				156425.0
1950												6	5	2	6	12	13	96	97	26	16	10	9	8	9	7	5	5	9	9	13	2				167716.0
1951														10	9	48	101	78	24	14	16	9	6	3	4	11	6	10	5	7	4					152091.0
1952														2	5	94	61	41	22	18	11	12	20	6	3	13	14	19	8	6	6	5				210154.0
1953														10	23	49	136	53	33	7	11	6	6	6	5	6	1	3	3	4	3					117358.0
1954													18	40	15	57	121	47	27	8	4	5	3	2	4	7	4	3								86388.7
1955																23	155	91	28	9	5	4	4	10	8	7	10	2	8	1						103937.4
1956														3	24	35	46	131	34	15	8	9	12	6	5	7	3	1	6	13	6	2				136465.3
1957														2	26	22	113	76	21	14	18	12	7	7	7	4	3	4	10	7	7	5				145978.5
1958														20	38	48	91	73	27	7	7	3	5	12	8	3	2	4	7	6	4					132731.6
1959														8	43	35	114	78	23	4	4	8	8	11	11	2	4	6	6							94346.2
1960														2	42	19	89	75	64	27	5	1	2	5	12	6	11	2	4							95865.0
1961													21	66	56	62	82	17	13	8	13	13	5	5	3	1										70277.8
1962															16	65	61	32	56	27	15	7	6	18	14	9	7	15	11	6						175527.9
1963														6	21	110	83	59	15	17	8	3	3	2	6	8	7	16	1							116708.1
1964														5	48	98	87	47	8	8	2	3	5	5	2	15	8	11	7	6	1					141900.0
1965														29	13	39	80	35	20	23	24	16	7	9	6	16	5	10	11	15	7					204157.3
1966														10	17	20	55	106	63	31	15	8	8	5	7	14	3	3								116123.6
1967															6	46	159	59	12	11	3	4	6	4	5	6	3	19	10	7	5					167384.1

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.259E+03	0.206E+03	0.168E+03	0.155E+03	0.157E+03	0.142E+03	0.179E+03	0.117E+04	0.138E+04	0.396E+03	0.204E+03	0.186E+03
1942	0.275E+03	0.243E+03	0.203E+03	0.184E+03	0.176E+03	0.173E+03	0.324E+03	0.716E+03	0.134E+04	0.315E+03	0.109E+03	0.134E+03
1943	0.167E+03	0.188E+03	0.162E+03	0.157E+03	0.169E+03	0.181E+03	0.500E+03	0.123E+04	0.141E+04	0.517E+03	0.249E+03	0.111E+03
1944	0.197E+03	0.209E+03	0.185E+03	0.170E+03	0.160E+03	0.196E+03	0.238E+03	0.935E+03	0.164E+04	0.549E+03	0.132E+03	0.110E+03
1945	0.173E+03	0.187E+03	0.168E+03	0.162E+03	0.155E+03	0.155E+03	0.165E+03	0.781E+03	0.115E+04	0.425E+03	0.306E+03	0.161E+03
1946	0.186E+03	0.212E+03	0.172E+03	0.145E+03	0.131E+03	0.163E+03	0.463E+03	0.102E+04	0.944E+03	0.192E+03	0.126E+03	0.943E+02
1947	0.190E+03	0.213E+03	0.176E+03	0.165E+03	0.169E+03	0.184E+03	0.221E+03	0.145E+04	0.138E+04	0.517E+03	0.264E+03	0.154E+03
1948	0.161E+03	0.201E+03	0.175E+03	0.163E+03	0.160E+03	0.163E+03	0.186E+03	0.955E+03	0.750E+03	0.162E+03	0.106E+03	0.869E+02
1949	0.116E+03	0.169E+03	0.174E+03	0.155E+03	0.155E+03	0.179E+03	0.343E+03	0.111E+04	0.187E+04	0.582E+03	0.157E+03	0.130E+03
1950	0.185E+03	0.212E+03	0.191E+03	0.209E+03	0.190E+03	0.184E+03	0.345E+03	0.846E+03	0.221E+04	0.630E+03	0.146E+03	0.175E+03
1951	0.160E+03	0.204E+03	0.210E+03	0.182E+03	0.179E+03	0.162E+03	0.195E+03	0.946E+03	0.172E+04	0.569E+03	0.328E+03	0.142E+03
1952	0.197E+03	0.196E+03	0.176E+03	0.147E+03	0.150E+03	0.144E+03	0.389E+03	0.163E+04	0.242E+04	0.774E+03	0.433E+03	0.246E+03
1953	0.168E+03	0.206E+03	0.234E+03	0.222E+03	0.180E+03	0.168E+03	0.153E+03	0.220E+03	0.159E+04	0.376E+03	0.236E+03	0.114E+03
1954	0.135E+03	0.204E+03	0.185E+03	0.178E+03	0.168E+03	0.152E+03	0.204E+03	0.907E+03	0.311E+03	0.176E+03	0.101E+03	0.109E+03
1955	0.161E+03	0.160E+03	0.145E+03	0.156E+03	0.147E+03	0.157E+03	0.162E+03	0.825E+03	0.929E+03	0.230E+03	0.204E+03	0.137E+03
1956	0.117E+03	0.181E+03	0.203E+03	0.180E+03	0.167E+03	0.175E+03	0.257E+03	0.126E+04	0.142E+04	0.267E+03	0.151E+03	0.102E+03
1957	0.105E+03	0.172E+03	0.165E+03	0.155E+03	0.154E+03	0.150E+03	0.139E+03	0.415E+03	0.221E+04	0.738E+03	0.246E+03	0.158E+03
1958	0.164E+03	0.238E+03	0.212E+03	0.183E+03	0.177E+03	0.167E+03	0.219E+03	0.131E+04	0.124E+04	0.217E+03	0.123E+03	0.115E+03
1959	0.102E+03	0.171E+03	0.185E+03	0.152E+03	0.146E+03	0.141E+03	0.144E+03	0.395E+03	0.112E+04	0.286E+03	0.150E+03	0.118E+03
1960	0.205E+03	0.203E+03	0.158E+03	0.140E+03	0.134E+03	0.186E+03	0.222E+03	0.660E+03	0.825E+03	0.198E+03	0.103E+03	0.111E+03
1961	0.151E+03	0.181E+03	0.165E+03	0.143E+03	0.125E+03	0.110E+03	0.917E+02	0.456E+03	0.342E+03	0.124E+03	0.112E+03	0.309E+03
1962	0.294E+03	0.245E+03	0.175E+03	0.143E+03	0.212E+03	0.206E+03	0.576E+03	0.115E+04	0.186E+04	0.557E+03	0.201E+03	0.146E+03
1963	0.201E+03	0.157E+03	0.157E+03	0.143E+03	0.173E+03	0.135E+03	0.145E+03	0.789E+03	0.122E+04	0.279E+03	0.198E+03	0.237E+03
1964	0.169E+03	0.203E+03	0.195E+03	0.150E+03	0.130E+03	0.143E+03	0.170E+03	0.102E+04	0.158E+04	0.595E+03	0.185E+03	0.117E+03
1965	0.105E+03	0.173E+03	0.188E+03	0.200E+03	0.174E+03	0.155E+03	0.233E+03	0.729E+03	0.234E+04	0.157E+04	0.481E+03	0.350E+03
1966	0.263E+03	0.247E+03	0.232E+03	0.208E+03	0.187E+03	0.221E+03	0.346E+03	0.109E+04	0.505E+03	0.220E+03	0.137E+03	0.149E+03
1967	0.172E+03	0.162E+03	0.205E+03	0.216E+03	0.184E+03	0.187E+03	0.174E+03	0.720E+03	0.209E+04	0.978E+03	0.249E+03	0.167E+03

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1770E+03	0.1979E+03	0.1838E+03	0.1690E+03	0.1634E+03	0.1659E+03	0.2512E+03	0.9161E+03	0.1400E+04	0.4606E+03	0.2013E+03	0.1544E+03
0.2573E+04	0.6640E+03	0.4957E+03	0.5955E+03	0.4130E+03	0.5593E+03	0.1458E+05	0.1083E+06	0.3408E+06	0.9650E+05	0.9497E+04	0.4036E+04
0.5073E+02	0.2577E+02	0.2225E+02	0.2440E+02	0.2032E+02	0.2365E+02	0.1208E+03	0.3291E+03	0.5838E+03	0.3106E+03	0.9745E+02	0.6353E+02
0.6622E+00	0.3382E+00	0.6698E+00	0.8363E+00	0.4825E-01	0.8484E-01	0.1234E+01	-0.7319E-01	-0.7563E-01	0.1924E+01	0.1423E+01	0.1816E+01
0.2865E+00	0.1302E+00	0.1211E+00	0.1444E+00	0.1244E+00	0.1425E+00	0.4807E+00	0.3592E+00	0.4171E+00	0.6744E+00	0.4842E+00	0.4114E+00
0.3986E+01	0.4457E+01	0.4140E+01	0.3807E+01	0.3679E+01	0.3737E+01	0.5657E+01	0.2063E+02	0.3152E+02	0.1037E+02	0.4533E+01	0.3477E+01

09279501 Combined flow of Duchesne River and Duchesne tunnel--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.686	0.088	*	*	*	*	*	*	*	*	*
*	1.000	0.469	0.194	*	*	*	*	*	*	*	*
*	*	1.000	0.797	0.486	*	*	*	*	*	*	*
*	*	*	1.000	0.597	0.407	*	*	*	*	*	*
*	*	*	*	1.000	0.596	0.359	*	*	*	*	*
*	*	*	*	*	1.000	0.559	0.280	*	*	*	*
*	*	*	*	*	*	1.000	0.526	0.224	*	*	*
*	*	*	*	*	*	*	1.000	0.132	0.026	*	*
*	*	*	*	*	*	*	*	1.000	0.815	0.642	*
*	*	*	*	*	*	*	*	*	1.000	0.776	0.526
*	*	*	*	*	*	*	*	*	*	1.000	0.569
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.274
SEPT-OCT 0.647
SEPT-NOV 0.633

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.085	-0.490	-0.047	0.256	-0.031	-0.250	-0.264	-0.402	0.004	-0.057	-0.057	-0.156

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09280400 Hobble Creek at Daniels Summit, near Wallsburg, Utah

LOCATION.--Lat 40°17'54", long 111°15'52", in NW¼NW¼NE¼ sec.20, T.2 S., R.12 W., Uintah meridian, Wasatch County, on left bank about 1,000 ft (305 m) upstream from crossing of Hobble Creek ditch, 0.5 mile (0.8 km) west of Daniels Summit on U.S. Highway 40, and 10.5 miles (16.9 km) southeast of Wallsburg.

DRAINAGE AREA.--1.4 sq mi (3.6 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 8,200 ft (2,499 m) from topographic map.

EXTREMES.--Maximum discharge, 117 ft^3/s (3.31 m^3/s) June 5, 1968 (gage height, 2.65 ft or 0.808 m); no flow at times during February to April 1964, January to March 1966, Sept. 4, 1967, Aug. 10-17, 1970.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1965	0.00	1	0.00	1	0.00	1	0.07	5	0.09	5	0.10	5	0.10	3	0.11	3	0.15	3	2.05	2
1966	0.00	2	0.00	2	0.00	2	0.00	1	0.00	1	0.05	3	0.13	5	0.17	5	0.19	5	3.16	5
1967	0.10	7	0.10	7	0.10	7	0.10	6	0.10	6	0.10	4	0.11	4	0.13	4	0.13	2	1.99	1
1968	0.01	3	0.02	3	0.02	3	0.02	2	0.02	2	0.03	1	0.03	1	0.05	1	0.11	1	3.81	6
1969	0.06	6	0.07	6	0.08	6	0.10	7	0.17	7	0.18	7	0.19	7	0.19	6	0.23	6	2.87	4
1970	0.02	5	0.02	4	0.02	4	0.02	3	0.02	3	0.03	2	0.05	2	0.06	2	0.16	4	3.88	7
1971	0.01	4	0.02	5	0.02	5	0.03	4	0.05	4	0.11	6	0.15	6	0.21	7	0.24	7	2.11	3

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1964	49.0	3	41.0	4	35.4	4	26.5	6	18.9	6	11.1	7	7.8	6	5.9	6	3.9	6	2.0	7
1965	47.0	4	39.3	5	33.9	5	31.3	4	25.9	3	16.8	3	12.0	3	9.1	3	6.1	3	3.1	3
1966	33.0	8	30.7	8	27.9	8	21.2	8	15.7	8	10.4	8	7.6	8	5.8	8	3.9	7	2.0	8
1967	61.0	2	50.3	2	43.6	2	41.2	1	34.9	1	21.9	1	15.0	1	11.4	2	7.5	2	3.8	2
1968	72.0	1	56.3	1	46.9	1	36.5	3	25.7	4	15.7	4	10.8	4	8.2	4	5.5	4	2.8	4
1969	46.0	5	44.3	3	41.9	3	40.4	2	32.9	2	20.8	2	14.9	2	11.5	1	7.6	1	3.9	1
1970	39.0	6	38.3	6	33.9	6	26.7	5	18.8	7	11.2	6	7.8	7	5.9	7	3.9	8	2.1	6
1971	39.0	7	36.3	7	29.4	7	23.6	7	20.9	5	14.2	5	9.9	5	7.6	5	5.0	5	2.6	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	116	2922	100.0	9	0.30	275	1274	43.6	18	3.3	56	461	15.8	27	36	33	42	1.4
1	0.01	3	2806	96.0	10	0.40	118	999	34.2	19	4.3	56	405	13.9	28	47	7	9	.3
2	0.02	99	2803	95.9	11	0.50	132	881	30.2	20	5.7	40	349	11.9	29	61	2	2	.0
3	0.03	5	2704	92.5	12	0.70	62	749	25.6	21	7.4	46	309	10.6	30				
4	0.04	91	2699	92.4	13	0.90	51	687	23.5	22	9.6	48	263	9.0	31				
5	0.06	35	2608	89.3	14	1.20	46	636	21.8	23	13.0	34	215	7.4	32				
6	0.08	57	2573	88.1	15	1.50	43	590	20.2	24	16.0	49	181	6.2	33				
7	0.10	724	2516	86.1	16	2.00	43	547	18.7	25	21.0	38	132	4.5	34				
8	0.20	518	1792	61.3	17	2.60	43	504	17.2	26	28.0	52	94	3.2					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1964	72								135	41	20	14	3	7	8	5	1	4	6	12	9	2	2	2	10	4	3	3	2	1						733.6
1965									69	134	35	10	18	6	7	3	5	7	8	6	5	6	9	6	3	5	7	14	1	1						1144.5
1966	44								75	53	76	17	8	2	4	5	5	6	10	9	12	6	9	11	2	3	4	4								742.0
1967		1	1				7	13	168	49	5	11	22	9	4	6	5	4	4	4	4	5	2	3	2	5	8	12	7	3	1					1402.1
1968			46		59	1	7	23	64	31	17	34	11	2	5	3	4	2	6	7	7	8	4	4	5	5	4	4	2	1						1029.6
1969				1	6	5	86	123	15	6	7	6	5	7	7	10	5	12	13	4	5	6	5	6	4	8	13									1430.2
1970			2	52	5	23	10	27	59	31	29	15	23	12	13	4	4	7	5	5	3	6	4	8	3	4	5	2	4							750.4
1971						8	11	51	109	23	64	28	17	9	8	11	13	1	3	2	3	4	7	8	5	17	2	5	2								964.8

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1964	0.103E+00	0.270E+00	0.139E+00	0.100E+00	0.0	0.0	0.420E+00	0.147E+02	0.702E+01	0.887E+00	0.213E+00	0.967E-01
1965	0.100E+00	0.127E+00	0.265E+00	0.210E+00	0.200E+00	0.223E+00	0.148E+01	0.138E+02	0.194E+02	0.134E+01	0.252E+00	0.197E+00
1966	0.235E+00	0.287E+00	0.287E+00	0.155E+00	0.0	0.481E+00	0.561E+01	0.148E+02	0.190E+01	0.268E+00	0.106E+00	0.103E+00
1967	0.139E+00	0.242E+00	0.100E+00	0.112E+00	0.140E+00	0.212E+00	0.617E+00	0.169E+02	0.256E+02	0.169E+01	0.187E+00	0.105E+00
1968	0.236E+00	0.247E+00	0.516E-01	0.345E-01	0.200E-01	0.149E+00	0.632E+00	0.106E+02	0.205E+02	0.835E+00	0.342E+00	0.285E+00
1969	0.279E+00	0.300E+00	0.180E+00	0.181E+00	0.200E+00	0.253E+00	0.497E+01	0.323E+02	0.622E+01	0.132E+01	0.154E+00	0.159E+00
1970	0.401E+00	0.315E+00	0.806E-01	0.200E-01	0.386E-01	0.114E+00	0.686E+00	0.150E+02	0.697E+01	0.540E+00	0.513E-01	0.192E+00
1971	0.364E+00	0.428E+00	0.308E+00	0.116E+00	0.101E+00	0.333E+00	0.121E+01	0.173E+02	0.105E+02	0.605E+00	0.117E+00	0.139E+00

09280400 Hobble Creek at Daniels Summit, near Wallsburg, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2322E+00	0.2770E+00	0.1763E+00	0.1160E+00	0.8741E-01	0.2204E+00	0.1954E+01	0.1693E+02	0.1227E+02	0.9419E+00	0.1778E+00	0.1595E+00
0.1295E-01	0.7088E-02	0.9921E-02	0.4371E-02	0.7215E-02	0.2096E-01	0.4394E+01	0.4296E+02	0.7148E+02	0.2241E+00	0.8437E-02	0.4113E-02
0.1138E+00	0.8419E-01	0.9960E-01	0.6611E-01	0.8494E-01	0.1448E+00	0.2096E+01	0.6554E+01	0.8455E+01	0.4734E+00	0.9185E-01	0.6414E-01
0.2461E+00	0.1263E-01	0.1993E+00-0.1821E+00		0.3865E+00	0.4261E+00	0.1356E+01	0.2256E+01	0.5290E+00	0.2676E+00	0.5520E+00	0.1064E+01
0.4901E+00	0.3039E+00	0.5649E+00	0.5701E+00	0.9718E+00	0.6567E+00	0.1073E+01	0.3872E+00	0.6892E+00	0.5026E+00	0.5167E+00	0.4020E+00
0.6925E+00	0.8261E+00	0.5258E+00	0.3458E+00	0.2607E+00	0.6574E+00	0.5826E+01	0.5047E+02	0.3658E+02	0.2809E+01	0.5301E+00	0.4758E+00

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.765	0.020	*	*	*	*	*	*	*	*	*
*	1.000	0.184	-0.336	*	*	*	*	*	*	*	*
*	*	1.000	0.719	0.249	*	*	*	*	*	*	*
*	*	*	1.000	0.656	0.480	*	*	*	*	*	*
*	*	*	*	1.000	0.135	0.138	*	*	*	*	*
*	*	*	*	*	1.000	0.727	0.171	*	*	*	*
*	*	*	*	*	*	1.000	0.561	-0.582	*	*	*
*	*	*	*	*	*	*	1.000	-0.320	0.337	*	*
*	*	*	*	*	*	*	*	1.000	0.695	0.641	*
*	*	*	*	*	*	*	*	*	1.000	0.398	-0.013
*	*	*	*	*	*	*	*	*	*	1.000	0.531
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.189
SEPT-OCT 0.514
SEPT-NOV 0.565

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.682	0.187	-0.089	-0.302	-0.903	-0.143	-0.383	-0.383	-0.310	-0.622	0.094	-0.348

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09285700 Strawberry River above Red Creek, near Fruitland, Utah

LOCATION.--Lat 40°07'01", long 110°48'27", in NE¼NW¼SE¼ sec.20, T.4 S., R.8 W., Uintah meridian, Duchesne County, on left bank 0.25 mile (0.40 km) downstream from Timber Canyon, 3 miles (5 km) upstream from Avintaquin Canyon, 4 miles (6 km) upstream from Red Creek, and 7 miles (11 km) southeast of Fruitland.

DRAINAGE AREA.--360 sq mi (930 km^2), approximately (includes approximately 170 sq mi (440 km^2) tributary to Strawberry Reservoir).

GAGE.--Water-stage recorder. Altitude of gage is 6,240 ft (1,902 m) from topographic map.

EXTREMES.--Maximum discharge, 610 ft^3/s (17.3 m^3/s) May 14, 1964 (gage height, 3.80 ft or 1.158 m, from floodmarks), from rating curve extended above 330 ft^3/s (9.35 m^3/s); maximum gage height, 5.10 ft (1.554 m) July 9, 1970 (backwater from debris 0.2 mile or 0.3 km below station); minimum discharge recorded, 9.7 ft^3/s (0.28 m^3/s) Dec. 8, 1963, result of freezeup.

REMARKS.--Several transmountain diversions upstream. Storage began July 14, 1912, in Strawberry Reservoir for use in The Great Basin. Water is seldom released from reservoir into Strawberry River. Transmountain diversions from reservoir through Strawberry tunnel to Spanish Fork drainage and from tributaries above reservoir through Hobble Creek ditch and Strawberry River and Willow Creek ditch to Provo River drainage.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1965	19.00	2	19.30	2	20.00	2	20.10	2	20.70	1	22.10	1	22.90	1	23.70	1	25.90	1	46.60	2
1966	22.00	3	22.70	3	23.40	3	25.10	3	32.10	6	32.80	6	33.40	6	34.90	6	39.50	5	77.50	6
1967	22.00	4	23.70	4	24.30	4	25.50	4	26.30	3	27.10	3	27.40	3	27.90	2	30.30	2	44.10	1
1968	28.00	5	28.30	6	28.90	6	32.10	7	33.10	7	33.90	7	35.60	7	36.50	7	40.80	7	75.60	5
1969	28.00	6	28.00	5	28.00	5	28.40	5	29.40	4	30.70	4	32.50	4	33.70	4	37.10	4	69.80	4
1970	30.00	7	30.00	7	30.30	7	30.40	6	30.60	5	31.30	5	32.90	5	34.30	5	39.70	6	87.10	7
1971	18.00	1	18.00	1	18.30	1	19.60	1	21.80	2	25.10	2	25.70	2	28.40	3	33.10	3	51.40	3

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1964	290.0	3	233.0	5	207.0	5	199.0	5	161.0	5	127.0	5	103.0	5	86.7	6	67.2	7	44.0	8
1965	352.0	2	342.0	2	303.0	2	250.0	3	230.0	2	201.0	2	172.0	2	150.0	2	115.0	2	70.8	3
1966	121.0	8	115.0	8	109.0	8	99.9	8	91.3	8	78.6	8	74.0	8	67.5	8	58.0	8	48.7	7
1967	269.0	5	266.0	4	260.0	4	238.0	4	224.0	3	189.0	3	162.0	3	140.0	3	110.0	3	70.4	4
1968	287.0	4	277.0	3	271.0	3	255.0	2	222.0	4	183.0	4	152.0	4	132.0	4	102.0	4	71.6	2
1969	386.0	1	382.0	1	379.0	1	362.0	1	320.0	1	249.0	1	205.0	1	174.0	1	134.0	1	85.8	1
1970	214.0	6	199.0	6	156.0	6	137.0	6	127.0	6	107.0	6	93.7	7	83.2	7	69.2	6	54.5	5
1971	154.0	7	150.0	7	142.0	7	133.0	7	124.0	7	107.0	7	97.3	6	88.3	5	74.3	5	53.6	6

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2922	100.0	9	33.00	235	2132	73.0	18	80.0	86	585	20.0	27	190	41	147	5.0
1	15.00	52	2922	100.0	10	36.00	296	1897	64.9	19	88.0	55	499	17.1	28	210	41	106	3.6
2	17.00	11	2870	98.2	11	40.00	179	1601	54.8	20	97.0	77	444	15.2	29	240	16	65	2.2
3	18.00	26	2859	97.8	12	44.00	215	1422	48.7	21	110.0	35	367	12.6	30	260	19	49	1.6
4	20.00	79	2833	97.0	13	49.00	154	1207	41.3	22	120.0	44	332	11.4	31	290	13	30	1.0
5	22.00	104	2754	94.3	14	54.00	132	1053	36.0	23	130.0	33	288	9.9	32	320	5	17	.5
6	25.00	103	2650	90.7	15	59.00	127	921	31.5	24	140.0	64	255	8.7	33	350	12	12	.4
7	27.00	131	2547	87.2	16	66.00	111	794	27.2	25	160.0	32	191	6.5	34	390			
8	30.00	284	2416	82.7	17	72.00	98	683	23.4	26	180.0	12	159	5.4					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1964	52	11	15	51	14	28	13	48	10	27	8	6	12	6	8	7	7	5	4	5	1	2	2	4	4	1	10	3	1		1					16088.0
1965			2	24	51	35	25	63	1		1	1	1	10	23	9	16	4	8	15	6	4	10	11	7	4	14	10	3		4	1	2			25831.0
1966								29	55	57	38	56	34	23	20	17	6	11	10	5	3	1														17772.0
1967						4	29	65	39	32	26	1	3	5	12	20	20	9	15	4	9	8	8	3	10	7	4	8	15	4	5						25709.0
1968								2	63	46	38	33	45	17	6	7	16	20	4	9	4	8	4	10	8	2	4	7	5	8						26198.0
1969							16	33	37	38	29	32	13	11	20	17	12	12	9	11	4	2	4	19	6		4	5	3	6	8	4	10			31321.0
1970								58	19	61	39	32	28	34	15	17	13	9	10	5	4	4	8	6		1	1	1								19886.0
1971				9	4	35	11	12	12	18	41	25	52	16	19	15	17	19	10	6	18	5	15	2	4											19574.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.303E+02	0.297E+02	0.263E+02	0.247E+02	0.234E+02	0.207E+02	0.599E+02	0.211E+03	0.179E+03	0.106E+03	0.738E+02	0.611E+02
1966	0.502E+02	0.462E+02	0.392E+02	0.325E+02	0.330E+02	0.347E+02	0.640E+02	0.876E+02	0.686E+02	0.482E+02	0.415E+02	0.378E+02
1967	0.364E+02	0.330E+02	0.284E+02	0.293E+02	0.272E+02	0.269E+02	0.439E+02	0.157E+03	0.202E+03	0.118E+03	0.776E+02	0.637E+02
1968	0.527E+02	0.459E+02	0.393E+02	0.390E+02	0.347E+02	0.332E+02	0.395E+02	0.180E+03	0.180E+03	0.912E+02	0.720E+02	0.509E+02
1969	0.466E+02	0.409E+02	0.373E+02	0.359E+02	0.319E+02	0.295E+02	0.121E+03	0.312E+03	0.149E+03	0.937E+02	0.699E+02	0.573E+02
1970	0.541E+02	0.464E+02	0.388E+02	0.360E+02	0.318E+02	0.307E+02	0.429E+02	0.121E+03	0.896E+02	0.679E+02	0.489E+02	0.441E+02
1971	0.424E+02	0.373E+02	0.275E+02	0.284E+02	0.216E+02	0.425E+02	0.773E+02	0.116E+03	0.959E+02	0.613E+02	0.499E+02	0.417E+02

09285700 Strawberry River above Red Creek, near Fruitland, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.4465E+02	0.3991E+02	0.3383E+02	0.3225E+02	0.2909E+02	0.3118E+02	0.6403E+02	0.1693E+03	0.1376E+03	0.8373E+02	0.6194E+02	0.5093E+02
0.7812E+02	0.4620E+02	0.3700E+02	0.2557E+02	0.2563E+02	0.4587E+02	0.8108E+03	0.5723E+04	0.2749E+04	0.6378E+03	0.2138E+03	0.1022E+03
0.8839E+01	0.6797E+01	0.6083E+01	0.5057E+01	0.5063E+01	0.6772E+01	0.2847E+02	0.7565E+02	0.5243E+02	0.2525E+02	0.1462E+02	0.1011E+02
-0.6872E+00	-0.5069E+00	-0.3728E+00	-0.2018E+00	-0.5888E+00	0.2026E+00	0.1538E+01	0.1177E+01	-0.1706E+00	-0.1228E+00	-0.4078E+00	-0.8152E-03
0.1980E+00	0.1703E+00	0.1798E+00	0.1568E+00	0.1740E+00	0.2172E+00	0.4447E+00	0.4470E+00	0.3810E+00	0.3016E+00	0.2360E+00	0.1985E+00
0.5736E+01	0.5127E+01	0.4346E+01	0.4143E+01	0.3738E+01	0.4005E+01	0.8226E+01	0.2174E+02	0.1768E+02	0.1076E+02	0.7958E+01	0.6543E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.988	0.916	*	*	*	*	*	*	*	*	*
*	1.000	0.941	0.859	*	*	*	*	*	*	*	*
*	*	1.000	0.903	0.948	*	*	*	*	*	*	*
*	*	*	1.000	0.887	0.266	*	*	*	*	*	*
*	*	*	*	1.000	0.010	-0.089	*	*	*	*	*
*	*	*	*	*	1.000	0.126	-0.480	*	*	*	*
*	*	*	*	*	*	1.000	0.637	-0.152	*	*	*
*	*	*	*	*	*	*	1.000	0.558	0.604	*	*
*	*	*	*	*	*	*	*	1.000	0.966	0.988	*
*	*	*	*	*	*	*	*	*	1.000	0.972	0.985
*	*	*	*	*	*	*	*	*	*	1.000	0.947
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.907

SEPT-OCT 0.942

SEPT-NOV 0.973

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.570	-0.771	-0.621	-0.027	-0.439	-0.358	-0.498	-0.160	-0.163	-0.430	-0.222	-0.533

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09287000 Currant Creek below Red Ledge Hollow, near Fruitland, Utah

LOCATION.--Lat 40°19'30", long 111°02'40", in NW¼ sec.8, T.2 S., R.10 W., Uintah meridian, on right bank 600 ft (183 m) downstream from Red Ledge Hollow and 13.5 miles (21.7 km) northwest of Fruitland.

DRAINAGE AREA.--48 sq mi (124 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 7,536.18 ft (2,297.028 m) from levels of Topographic Division, U.S.G.S.

EXTREMES.--Maximum discharge, 688 ft^3/s (19.5 m^3/s) May 2, 1952 (gage height, 3.93 ft or 1.198 m); minimum, 0.7 ft^3/s (0.020 m^3/s) Sept. 8, 1959.

REMARKS.--Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters to Strawberry Reservoir, from which it is diverted through Strawberry tunnel to The Great Basin for irrigation in Strawberry Valley project.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1947	3.10 9	3.10 8	3.20 6	3.27 6	3.53 7	4.13 8	4.72 8	5.62 9	7.25 11	23.20 11
1948	6.80 19	6.93 19	7.00 19	7.00 19	7.00 19	7.11 18	7.30 18	7.48 18	7.83 18	26.10 15
1949	2.80 6	2.83 5	2.86 5	2.98 5	3.36 5	3.84 5	4.41 7	5.06 7	5.45 6	18.20 6
1950	4.50 11	4.50 11	4.67 13	4.74 11	5.22 15	6.15 16	6.92 17	7.22 17	7.62 15	31.90 17
1951	5.00 17	5.00 17	5.17 18	5.52 18	6.52 18	7.81 20	8.11 20	8.90 21	9.15 21	43.50 21
1952	4.80 15	4.80 15	4.91 15	5.06 16	5.57 17	6.32 17	6.77 15	7.09 15	7.24 10	24.00 12
1953	7.50 21	7.50 21	7.50 20	7.50 20	7.53 20	7.78 19	8.02 19	8.23 19	8.83 19	61.90 22
1954	4.50 12	4.57 14	4.64 11	4.80 12	4.92 11	5.92 14	6.78 16	7.06 14	7.38 13	18.50 7
1955	2.80 7	3.10 6	3.36 8	3.46 8	3.65 8	4.02 6	4.21 4	4.67 4	5.19 5	13.40 4
1956	4.50 13	4.50 12	4.64 12	4.94 14	5.12 14	5.26 11	5.54 11	6.07 11	7.79 17	20.50 8
1957	2.20 5	2.20 4	2.36 4	2.74 4	3.17 4	3.76 4	4.33 5	4.84 5	4.98 3	22.30 10
1958	4.50 14	4.50 13	4.76 14	4.86 13	4.98 12	5.91 13	6.64 14	7.17 16	7.43 14	24.00 13
1959	3.20 10	3.40 9	3.60 9	3.71 9	3.94 9	4.25 9	4.41 6	5.05 6	5.54 7	26.60 16
1960	1.00 2	1.17 1	1.39 1	1.44 1	2.03 2	2.75 2	3.48 2	3.95 2	4.34 1	10.40 2
1961	1.10 3	1.30 2	1.40 2	1.45 2	1.75 1	2.74 1	3.15 1	3.91 1	4.68 2	12.70 3
1962	1.60 4	1.63 3	1.84 3	1.96 3	2.89 3	3.33 3	3.87 3	4.58 3	5.03 4	7.30 1
1963	3.00 8	3.10 7	3.23 7	3.32 7	3.46 6	4.13 7	4.91 9	5.55 8	6.06 8	33.20 18
1964	5.00 18	5.00 16	5.00 16	5.00 15	5.00 13	5.00 10	5.28 10	5.77 10	6.45 9	18.20 5
1965	4.90 16	5.03 18	5.10 17	5.25 17	5.45 16	5.52 12	5.82 12	6.29 12	7.28 12	25.00 14
1966	7.90 22	8.00 22	8.00 22	8.07 22	8.30 22	8.68 22	9.02 22	9.89 22	10.50 22	36.00 19
1967	0.00 1	3.80 10	4.09 10	4.58 10	4.81 10	6.05 15	6.20 13	7.00 13	7.70 16	22.00 9
1968	7.10 20	7.43 20	7.71 21	7.91 21	8.16 21	8.50 21	8.67 21	8.88 20	8.96 20	37.80 20

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1946	200.0 10	199.0 10	192.0 10	170.0 10	136.0 10	92.7 13	68.6 14	54.2 14	38.0 14	22.0 15
1947	242.0 8	230.0 8	219.0 8	186.0 8	144.0 9	104.0 9	79.1 9	63.0 9	44.8 9	27.1 9
1948	164.0 16	153.0 16	145.0 16	117.0 16	99.0 16	71.9 17	54.3 17	42.9 17	30.6 17	18.7 17
1949	223.0 9	216.0 9	202.0 9	184.0 9	183.0 6	139.0 5	104.0 6	81.6 6	56.2 6	31.2 6
1950	365.0 3	357.0 3	339.0 2	316.0 2	255.0 2	192.0 2	143.0 2	113.0 2	76.8 2	42.5 2
1951	166.0 15	162.0 15	158.0 14	136.0 15	113.0 14	89.1 14	72.1 13	58.2 12	41.5 12	25.1 10
1952	545.0 1	543.0 1	525.0 1	470.0 1	397.0 1	300.0 1	217.0 1	168.0 1	115.0 1	61.2 1
1953	122.0 19	104.0 20	94.9 19	88.3 19	78.3 19	64.0 19	50.2 19	40.6 19	29.7 19	19.0 16
1954	84.0 21	80.7 21	78.4 21	71.4 21	65.6 20	48.7 20	37.4 20	30.1 20	22.5 20	14.3 20
1955	193.0 11	183.0 12	178.0 11	143.0 13	109.0 15	76.3 16	56.4 16	44.4 16	31.3 16	18.5 19
1956	193.0 12	192.0 11	178.0 12	142.0 14	125.0 12	97.6 11	73.3 11	58.4 11	41.6 11	24.4 11
1957	176.0 14	172.0 13	163.0 13	147.0 12	121.0 13	96.7 12	73.1 12	58.1 13	40.5 13	23.0 14
1958	243.0 7	234.0 7	227.0 7	208.0 6	188.0 5	124.0 7	89.8 7	69.3 7	47.9 7	27.4 8
1959	58.0 22	56.0 22	51.3 22	44.5 22	39.4 22	31.3 22	25.7 22	21.1 22	15.9 22	10.4 22
1960	111.0 20	106.0 19	92.0 20	73.2 20	57.6 21	46.9 21	37.4 21	30.1 21	21.5 21	12.9 21
1961	38.0 23	35.3 23	30.4 23	24.1 23	20.9 23	16.3 23	13.7 23	11.7 23	9.4 23	7.3 23
1962	303.0 4	291.0 4	276.0 4	226.0 4	205.0 4	151.0 4	112.0 4	87.7 4	59.9 5	32.5 5
1963	130.0 18	129.0 17	122.0 17	112.0 17	94.3 18	68.6 18	51.8 18	42.0 18	30.2 18	18.6 18
1964	292.0 5	284.0 5	264.0 5	224.0 5	157.0 8	102.0 10	76.0 10	60.2 10	41.8 10	24.1 12
1965	263.0 6	250.0 6	230.0 6	197.0 7	173.0 7	136.0 6	106.0 5	84.3 5	60.4 4	34.5 4
1966	131.0 17	123.0 18	111.0 18	104.0 18	98.2 17	82.5 15	64.4 15	51.6 15	36.9 15	23.0 13
1967	376.0 2	363.0 2	329.0 3	281.0 3	227.0 3	160.0 3	120.0 3	95.5 3	66.9 3	37.8 3
1968	184.0 13	169.0 14	155.0 15	149.0 11	135.0 11	106.0 8	80.4 8	64.7 8	46.2 8	27.6 7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	1	8401	100.0	9	4.60	751	7714	91.8	18	26.0	149	1621	19.3	27	140	107	330	3.9
1	1.00	3	8400	100.0	10	5.60	956	6963	82.9	19	31.0	179	1472	17.5	28	170	87	223	2.6
2	1.20	19	8397	100.0	11	6.70	1589	6007	71.5	20	38.0	129	1293	15.4	29	210	56	136	1.6
3	1.50	20	8378	99.7	12	8.20	1094	4418	52.6	21	45.0	147	1164	13.9	30	250	43	80	.9
4	1.80	8	8358	99.5	13	9.90	639	3324	39.6	22	55.0	144	1017	12.1	31	310	19	37	.4
5	2.10	45	8350	99.4	14	12.00	281	2685	32.0	23	66.0	170	873	10.4	32	370	7	18	.2
6	2.60	46	8305	98.9	15	14.00	332	2404	28.6	24	80.0	145	703	8.4	33	450	8	11	.1
7	3.10	202	8259	98.3	16	17.00	251	2072	24.7	25	97.0	143	558	6.6	34	540	3	3	.0
8	3.80	343	8057	95.9	17	21.00	200	1821	21.7	26	120.0	85	415	4.9					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09287000 Currant Creek below Red Ledge Hollow, near Fruitland, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S-DAYS
1946								27	17	18	86	83	14	16	9	12	7	13	6	4	5	6	7	7	4	8	3	5	8						8016.6
1947									4	9	33	74	109	18	23	11	7	3	8	4	10	9	8	12	5	5	3	4	6						9893.5
1948							9	18	19	6	10	15	0	47	20	1	8	4	11	5	7	8	6	8	9	8	4	4	4						6839.7
1949									13	35	98	70	23	18	2	9	5	8	9	4	4	7	6	4	8	5	8	8	14	7					11404.6
1950										7	39	105	61	25	4	14	9	4	10	10	2	6	6	3	10	10	4	5	8	5	9	9			15501.6
1951										20	19	16	137	22	20	33	3	3	5	15	8	8	8	21	9	8	1	9							9175.0
1952											11	155	14	6	30	39	13	10	6	5	2	2	4	5	2	2	2	13	1	6	15	6	6	8	3	22401.7
1953									2	18	7	70	117	44	12	12	7	6	4	8	8	11	13	14	10	1	1									6931.4
1954								2	22	34	26	19	138	33	9	2	9	10	9	7	7	6	6	13	9	4									5233.8
1955									3	26	70	109	47	13	12	2	9	10	3	6	5	7	6	9	11	5	2	1	2	7					6757.2
1956							6	4	17	23	26	17	20	49	72	21	10	22	7	3	10	4	5	6	5	11	15	6	2	5					8928.3
1957										14	118	68	37	15	7	4	4	10	15	5	11	4	3	4	6	14	7	8	9	2					8387.6
1958									12	31	16	35	122	52	12	2	5	4	4	5	6	7	5	5	8	2	4	2	6	8	12					9994.2
1959			2	8	5	2	16	10	16	18	20	132	34	11	5	6	13	14	16	12	10	5	8	2												3800.5
1960			1	11	9	2	17	8	31	31	95	10	47	3	11	4	10	4	11	9	18	10	10	5	4	2	3									4706.4
1961					6	4	6	10	29	38	99	38	52	16	15	17	13	11	6	1	3	1														2661.6
1962								3	26	63	32	66	46	6	9	6	10	11	6	3	7	3	6	5	4	5	17	5	5	6	9	6				11861.8
1963										15	63	139	26	8	15	14	19	9	5	1	7	8	9	6	5	12	4									6797.5
1964										92	69	45	37	17	9	2	18	10	5	6	9	10	6	7	4	3	2	2	3	5	5					8811.8
1965										17	19	60	22	66	27	26	23	16	7	3	6	3	6	15	4	9	5	18	8	3	2					12590.5
1966									1	14	17	10	42	66	60	47	15	9	8	6	5	4	10	7	14	13	14	3								8408.5
1967		1										22	36	122	29	7	24	15	9	11	15	11	7	3	6	4	4	9	7	9	3	6	4	1		13792.6
1968												42	136	47	16	18	12	9	16	11	4	4	3	4	9	10	12	9	4							10084.4

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	0.717E 01	0.782E 01	0.600E 01	0.600E 01	0.700E 01	0.100E 02	0.982E 02	0.804E 02	0.247E 02	0.805E 01	0.473E 01	0.355E 01
1947	0.748E 01	0.918E 01	0.110E 02	0.100E 02	0.954E 01	0.115E 02	0.499E 02	0.139E 03	0.433E 02	0.146E 02	0.997E 01	0.853E 01
1948	0.832E 01	0.876E 01	0.800E 01	0.740E 01	0.700E 01	0.752E 01	0.318E 02	0.955E 02	0.316E 02	0.934E 01	0.487E 01	0.340E 01
1949	0.510E 01	0.698E 01	0.639E 01	0.605E 01	0.705E 01	0.871E 01	0.844E 02	0.164E 03	0.566E 02	0.158E 02	0.622E 01	0.644E 01
1950	0.899E 01	0.975E 01	0.797E 01	0.700E 01	0.600E 01	0.806E 01	0.978E 02	0.223E 03	0.100E 03	0.225E 02	0.835E 01	0.808E 01
1951	0.884E 01	0.106E 02	0.107E 02	0.900E 01	0.900E 01	0.116E 02	0.546E 02	0.110E 03	0.486E 02	0.142E 02	0.768E 01	0.559E 01
1952	0.783E 01	0.793E 01	0.800E 01	0.700E 01	0.800E 01	0.800E 01	0.129E 03	0.369E 03	0.135E 03	0.242E 02	0.150E 02	0.129E 02
1953	0.102E 02	0.935E 01	0.850E 01	0.800E 01	0.750E 01	0.918E 01	0.265E 02	0.611E 02	0.578E 02	0.142E 02	0.959E 01	0.554E 01
1954	0.649E 01	0.839E 01	0.787E 01	0.800E 01	0.800E 01	0.800E 01	0.477E 02	0.473E 02	0.160E 02	0.601E 01	0.364E 01	0.470E 01
1955	0.489E 01	0.655E 01	0.596E 01	0.600E 01	0.550E 01	0.652E 01	0.233E 02	0.107E 03	0.352E 02	0.904E 01	0.578E 01	0.550E 01
1956	0.551E 01	0.886E 01	0.125E 02	0.981E 01	0.900E 01	0.134E 02	0.574E 02	0.121E 03	0.372E 02	0.920E 01	0.443E 01	0.354E 01
1957	0.525E 01	0.641E 01	0.558E 01	0.500E 01	0.500E 01	0.655E 01	0.216E 02	0.100E 03	0.909E 02	0.162E 02	0.728E 01	0.506E 01
1958	0.771E 01	0.871E 01	0.842E 01	0.774E 01	0.700E 01	0.673E 01	0.279E 02	0.184E 03	0.492E 02	0.966E 01	0.426E 01	0.442E 01
1959	0.482E 01	0.707E 01	0.674E 01	0.600E 01	0.600E 01	0.610E 01	0.242E 02	0.375E 02	0.147E 02	0.511E 01	0.298E 01	0.357E 01
1960	0.490E 01	0.677E 01	0.377E 01	0.500E 01	0.500E 01	0.108E 02	0.366E 02	0.546E 02	0.164E 02	0.454E 01	0.182E 01	0.399E 01
1961	0.562E 01	0.682E 01	0.596E 01	0.460E 01	0.493E 01	0.671E 01	0.160E 02	0.163E 02	0.716E 01	0.308E 01	0.400E 01	0.628E 01
1962	0.560E 01	0.646E 01	0.497E 01	0.416E 01	0.618E 01	0.748E 01	0.102E 03	0.167E 03	0.606E 02	0.155E 02	0.460E 01	0.407E 01
1963	0.634E 01	0.734E 01	0.737E 01	0.668E 01	0.736E 01	0.858E 01	0.177E 02	0.927E 02	0.414E 02	0.118E 02	0.769E 01	0.745E 01
1964	0.678E 01	0.906E 01	0.669E 01	0.532E 01	0.500E 01	0.642E 01	0.213E 02	0.141E 03	0.577E 02	0.160E 02	0.683E 01	0.558E 01
1965	0.556E 01	0.747E 01	0.913E 01	0.939E 01	0.811E 01	0.107E 02	0.364E 02	0.155E 03	0.111E 03	0.285E 02	0.165E 02	0.151E 02
1966	0.112E 02	0.117E 02	0.109E 02	0.895E 01	0.861E 01	0.169E 02	0.848E 02	0.782E 02	0.231E 02	0.973E 01	0.597E 01	0.639E 01
1967	0.701E 01	0.918E 01	0.941E 01	0.870E 01	0.826E 01	0.128E 02	0.320E 02	0.173E 03	0.140E 03	0.310E 02	0.115E 02	0.875E 01
1968	0.832E 01	0.909E 01	0.961E 01	0.902E 01	0.936E 01	0.114E 02	0.273E 02	0.125E 03	0.827E 02	0.184E 02	0.119E 02	0.791E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.6954E 01	0.8272E 01	0.7892E 01	0.7166E 01	0.7147E 01	0.9288E 01	0.4994E 02	0.1235E 03	0.5570E 02	0.1377E 02	0.7196E 01	0.6362E 01
0.3147E 01	0.1969E 01	0.4683E 01	0.3093E 01	0.2204E 01	0.7518E 01	0.1083E 04	0.5519E 04	0.1431E 04	0.5483E 02	0.1412E 02	0.8646E 01
0.1774E 01	0.1403E 01	0.2164E 01	0.1759E 01	0.1484E 01	0.2742E 01	0.3291E 02	0.7429E 02	0.3782E 02	0.7405E 01	0.3758E 01	0.2940E 01
0.7336E 00	0.5666E 00	0.2708E 00	-0.1383E-01	-0.7907E-01	0.1073E 01	0.1029E 01	0.1602E 01	0.9394E 00	0.7964E 00	0.1013E 01	0.1657E 01
0.2551E 00	0.1696E 00	0.2742E 00	0.2454E 00	0.2077E 00	0.2952E 00	0.6590E 00	0.6013E 00	0.6790E 00	0.5377E 00	0.5222E 00	0.4622E 00
0.2293E 01	0.2728E 01	0.2603E 01	0.2363E 01	0.2357E 01	0.3063E 01	0.1647E 02	0.4074E 02	0.1837E 02	0.4541E 01	0.2373E 01	0.2098E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09287000 Currant Creek below Red Ledge Hollow, near Fruitland, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.867	0.531	*	*	*	*	*	*	*	*	*
*	1.000	0.763	0.693	*	*	*	*	*	*	*	*
*	*	1.000	0.935	0.860	*	*	*	*	*	*	*
*	*	*	1.000	0.902	0.675	*	*	*	*	*	*
*	*	*	*	1.000	0.694	0.214	*	*	*	*	*
*	*	*	*	*	1.000	0.220	-0.040	*	*	*	*
*	*	*	*	*	*	1.000	0.594	0.250	*	*	*
*	*	*	*	*	*	*	1.000	0.769	0.697	*	*
*	*	*	*	*	*	*	*	1.000	0.956	0.823	*
*	*	*	*	*	*	*	*	*	1.000	0.862	0.761
*	*	*	*	*	*	*	*	*	*	1.000	0.908
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.845

SEPT-OCT 0.839

SEPT-NOV 0.740

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.138	0.099	0.035	0.141	0.080	0.180	-0.060	-0.123	0.050	0.186	0.238	-0.035

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09287500 Water Hollow near Fruitland, Utah

LOCATION.--Lat 40°14'30", long 110°58'48", in SW¼SW¼SE¼ sec.2, T.3 S., R.10 W., Uintah meridian, Wasatch County, on left bank 1.5 miles (2.4 km) upstream from mouth and 7.5 miles (12.1 km) northwest of Fruitland.

DRAINAGE AREA.--14.0 sq mi (36.3 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 7,110 ft (2,167 m) from topographic map.

EXTREMES.--Maximum discharge, 133 ft^3/s (3.77 m^3/s) July 18, 1954 (gage height, 3.24 ft or 0.988 m), from rating curve extended above 56 ft^3/s (1.59 m^3/s) on basis of slope-area measurement of peak flow; maximum gage height, 3.59 ft (1.094 m) Nov. 25, 1969 (backwater from ice); minimum discharge recorded, 0.6 ft^3/s (0.017 m^3/s) Dec. 29, 1958.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1948	3.20 16	3.40 17	3.49 17	3.64 18	3.70 17	3.75 16	3.80 16	3.85 16	3.97 15	5.59 15
1949	3.30 17	3.30 16	3.30 16	3.39 16	3.45 15	3.50 15	3.53 15	3.59 15	3.58 12	4.47 8
1950	4.30 21	4.30 21	4.30 21	4.30 21	4.31 20	4.41 20	4.48 20	4.55 20	4.89 21	7.75 21
1951	5.00 23	5.00 23	5.00 23	5.00 23	5.00 23	5.00 23	5.00 23	5.13 23	5.45 23	8.38 22
1952	3.60 18	4.00 20	4.00 19	4.00 19	4.00 19	4.24 19	4.33 19	4.37 19	4.65 18	6.65 18
1953	5.40 24	5.40 24	5.40 24	5.40 24	5.45 24	5.64 24	5.76 24	6.07 24	7.40 24	10.60 24
1954	3.60 19	3.60 18	3.60 18	3.63 17	3.81 18	3.92 18	3.95 17	3.96 17	4.29 17	5.45 14
1955	2.20 7	2.20 7	2.20 4	2.20 4	2.21 5	2.41 5	2.56 6	2.62 6	2.71 5	3.69 5
1956	2.10 5	2.17 4	2.20 5	2.20 5	2.20 4	2.29 4	2.36 4	2.48 4	2.50 4	3.23 4
1957	2.50 10	2.50 11	2.50 8	2.84 12	3.00 14	3.00 13	3.06 13	3.17 11	3.37 10	4.73 9
1958	2.80 14	2.80 14	2.86 14	2.93 13	2.97 12	2.98 11	3.02 11	3.29 14	3.80 14	5.14 12
1959	2.80 15	2.93 15	3.00 15	3.00 14	3.00 13	3.00 12	3.03 12	3.15 10	3.51 11	6.10 16
1960	1.80 3	1.87 3	1.89 3	1.97 3	2.11 3	2.23 3	2.28 3	2.31 3	2.33 3	2.70 3
1961	1.40 2	1.43 2	1.50 2	1.50 2	1.50 2	1.57 2	1.60 2	1.70 2	1.85 2	2.31 2
1962	1.00 1	1.00 1	1.01 1	1.06 1	1.15 1	1.20 1	1.32 1	1.45 1	1.60 1	1.89 1
1963	2.50 11	2.50 12	2.50 9	2.50 7	2.67 9	2.76 8	2.78 8	2.82 8	2.93 7	5.04 11
1964	2.30 8	2.37 8	2.50 10	2.50 8	2.50 7	2.50 6	2.55 5	2.60 5	2.89 6	3.96 6
1965	2.50 12	2.50 9	2.50 11	2.50 9	2.58 8	2.93 9	2.98 9	3.05 9	3.30 9	4.47 7
1966	2.10 4	2.20 5	2.46 7	3.02 15	3.70 16	3.82 17	3.97 18	4.10 18	4.73 19	7.21 19
1967	2.80 13	2.80 13	2.80 13	2.80 10	2.88 10	2.97 10	3.09 14	3.25 13	3.65 13	5.18 13
1968	4.30 22	4.33 22	4.40 22	4.44 22	4.45 22	4.55 22	4.60 22	4.75 22	5.16 22	7.38 20
1969	4.00 20	4.00 19	4.09 20	4.24 20	4.37 21	4.43 21	4.56 21	4.61 21	4.83 20	6.22 17
1970	2.40 9	2.50 10	2.66 12	2.82 11	2.88 11	3.02 14	2.99 10	3.21 12	4.20 16	8.74 23
1971	2.20 6	2.20 6	2.29 6	2.42 6	2.48 6	2.55 7	2.66 7	2.78 7	2.94 8	4.75 10

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1947	16.0 12	16.0 12	15.4 12	13.9 12	12.8 9	11.0 10	9.5 11	8.6 11	7.2 11	5.5 12
1948	10.0 19	10.0 19	10.0 19	9.6 18	8.5 19	7.1 19	6.4 19	5.9 19	5.2 19	4.6 17
1949	23.0 5	22.7 5	21.4 5	20.2 5	18.9 4	16.1 4	14.1 4	12.7 4	10.6 4	7.2 4
1950	26.0 3	24.7 4	24.4 3	22.6 3	19.4 3	16.3 3	14.2 3	13.1 3	11.3 3	8.1 3
1951	22.0 6	21.3 6	20.4 6	18.6 6	15.5 8	12.8 8	11.2 8	10.2 8	8.7 7	7.1 5
1952	60.0 1	58.7 1	56.3 1	52.6 1	50.3 1	43.7 1	36.8 1	32.4 1	25.8 1	15.2 1
1953	13.0 15	12.3 17	12.1 15	11.5 15	11.1 14	9.9 13	9.0 12	8.2 12	7.4 10	7.0 6
1954	7.6 22	7.5 22	7.4 22	7.2 21	6.6 21	6.0 21	5.7 21	5.4 21	4.9 21	4.5 18
1955	8.0 21	8.0 21	7.5 21	6.8 22	6.2 22	5.5 22	4.9 22	4.6 22	4.0 22	3.3 22
1956	13.0 16	12.7 15	12.1 16	11.3 16	10.5 16	9.1 16	8.1 16	7.3 17	6.1 17	4.3 19
1957	16.0 13	15.0 13	14.6 13	13.4 13	11.4 13	9.5 14	8.4 14	7.6 14	6.5 15	4.9 14
1958	26.0 4	25.3 3	24.1 4	21.6 4	18.7 5	14.7 6	12.2 7	10.8 7	8.7 8	6.2 10
1959	4.7 23	4.6 24	4.5 23	4.5 23	4.4 23	4.2 23	4.0 23	3.7 23	3.5 23	3.2 23
1960	4.7 24	4.7 23	4.4 24	4.2 24	3.9 24	3.5 24	3.5 24	3.3 24	3.0 24	2.6 24
1961	3.7 25	3.2 25	3.2 25	3.2 25	2.9 25	2.4 25	2.2 25	2.0 25	2.0 25	1.8 25
1962	17.0 11	17.0 10	16.1 10	14.3 10	12.2 11	11.0 9	9.8 9	8.8 9	7.1 12	4.6 15
1963	9.3 20	9.1 20	8.9 20	8.7 20	8.0 20	6.8 20	6.1 20	5.7 20	5.0 20	4.0 21
1964	13.0 17	12.7 16	12.1 17	11.0 17	10.1 17	8.4 18	7.3 18	6.5 18	5.6 18	4.2 20
1965	20.0 9	19.0 9	17.7 9	16.7 8	16.0 7	14.3 7	13.0 5	11.8 6	9.7 5	6.5 8
1966	14.0 14	13.0 14	12.6 14	11.9 14	10.9 15	9.3 15	8.2 15	7.6 15	6.7 13	5.7 11
1967	21.0 7	20.0 7	19.7 7	17.8 7	16.9 6	14.9 5	13.0 6	11.9 5	9.6 6	6.6 7
1968	17.0 10	16.3 11	16.0 11	13.9 11	11.9 12	10.5 11	9.5 10	8.8 10	7.6 9	6.4 9
1969	33.0 2	32.0 2	29.6 2	27.3 2	23.8 2	20.3 2	17.8 2	16.0 2	13.3 2	9.1 2
1970	21.0 8	20.0 8	18.3 8	15.8 9	12.6 10	9.9 12	8.7 13	7.7 13	6.6 14	5.4 13
1971	11.0 18	11.0 18	10.3 18	9.5 19	9.3 18	8.6 17	7.9 17	7.3 16	6.3 16	4.6 16

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9131	100.0	9	2.70	404	7865	86.1	18	8.1	288	1439	15.8	27	25	19	87	.9
1	1.00	13	9131	100.0	10	3.00	864	7461	81.7	19	9.2	197	1151	12.6	28	28	7	68	.7
2	1.10	33	9118	99.9	11	3.40	937	6597	72.2	20	10.0	274	954	10.4	29	31	16	61	.6
3	1.30	8	9085	99.5	12	3.90	894	5660	62.0	21	12.0	130	680	7.4	30	35	5	45	.4
4	1.40	110	9077	99.4	13	4.40	981	4766	52.2	22	13.0	133	550	6.0	31	40	10	40	.4
5	1.60	154	8967	98.2	14	5.00	755	3785	41.5	23	15.0	129	417	4.6	32	45	15	30	.3
6	1.90	131	8813	96.5	15	5.60	745	3030	33.2	24	17.0	74	288	3.2	33	51	11	15	.1
7	2.10	331	8682	95.1	16	6.30	514	2285	25.0	25	19.0	94	214	2.3	34	58	4	4	.0
8	2.40	486	8351	91.5	17	7.20	332	1771	19.4	26	22.0	33	120	1.3					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09287500 Water Hollow near Fruitland, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S_DAYS
1947											30	70	74	53	25	25	24	10	3	9	16	16	4	6											2013.5
1948											8	84	150	41	35	14	11	6	5	3	9														1675.4
1949											6	136	19	10	17	14	28	17	31	13	10	13	13	13	5	16	4								2621.7
1950													28	89	28	35	25	13	24	40	25	8	15	13	9	3	8	2							2955.9
1951															147	60	57	28	14	11	17	12	4	3	4	7	1								2576.4
1952												1	34	110	7	28	18					5	16	17	18	32	11	7	4	13	5	10	15	11	4	3563.2
1953															70	114	69	30	30	19	26	6	1													2551.7
1954													41	45	107	59	67	27	7	12																1633.2
1955										36	39	106	63	42	20	17	17	15	6	4															1216.7
1956											43	128	14	5	14	35	14	23	22	14	14	13	4	16	5	2									1573.1
1957													90	76	50	22	32	26	19	14	13	2	8	3	7	3									1797.0
1958												8	88	11	26	67	34	23	26	17	14	2	9	4	7	10	6	6	4	3					2278.5
1959									1	9	28	37	101	124	120	34	14																			1171.8
1960							11	16	41	35	73	41	32	38	12	4																				960.2
1961			13	33	8	74	76	74	47	13	8	17	2																							665.5
1962						25	61	44	20	26		9	20	22	10	20	21	8	15	10	4	36	2	6	2	4										1667.8
1963									2	40	50	97	25	50	19	33	14	12	8	14	1															1454.1
1964									79	33	38	71	36	36	7	15	10	12	7	8	8	4	2													1554.0
1965									4	25	4	73	56	25	7	4	13	43	11	2	11	20	26	15	17	7	2									2379.9
1966													41	41	66	46	101	17	12	6	14	11	5	5												2088.1
1967											28	56	30	44	55	6	10	11	19	23	19	15	4	9	23	7	6									2421.3
1968													10	95	45	96	32	25	23	15	13	3	2	5	2											2337.2
1969													18	95	61	8	5	31	20	13	22	12	22	12	10	18	5	7	3	3					3308.3
1970										3	39	45	23	36	66	20	30	59	14	5	6	3	2	3	5	2	4									1960.9
1971									16	23	63	54	32	23	32	11	34	13	20	31	3	10														1693.1

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	0.464E 01	0.418E 01	0.400E 01	0.350E 01	0.327E 01	0.329E 01	0.447E 01	0.123E 02	0.954E 01	0.659E 01	0.573E 01	0.453E 01
1948	0.441E 01	0.401E 01	0.400E 01	0.380E 01	0.370E 01	0.390E 01	0.438E 01	0.699E 01	0.677E 01	0.511E 01	0.428E 01	0.353E 01
1949	0.360E 01	0.376E 01	0.360E 01	0.350E 01	0.350E 01	0.452E 01	0.745E 01	0.169E 02	0.150E 02	0.101E 02	0.772E 01	0.637E 01
1950	0.572E 01	0.509E 01	0.470E 01	0.450E 01	0.430E 01	0.497E 01	0.919E 01	0.150E 02	0.161E 02	0.113E 02	0.900E 01	0.713E 01
1951	0.630E 01	0.586E 01	0.550E 01	0.500E 01	0.500E 01	0.500E 01	0.549E 01	0.116E 02	0.124E 02	0.864E 01	0.756E 01	0.625E 01
1952	0.575E 01	0.462E 01	0.450E 01	0.400E 01	0.450E 01	0.450E 01	0.135E 02	0.489E 02	0.379E 02	0.226E 02	0.177E 02	0.135E 02
1953	0.111E 02	0.872E 01	0.700E 01	0.600E 01	0.561E 01	0.565E 01	0.551E 01	0.661E 01	0.904E 01	0.701E 01	0.626E 01	0.529E 01
1954	0.515E 01	0.468E 01	0.400E 01	0.400E 01	0.401E 01	0.385E 01	0.465E 01	0.646E 01	0.545E 01	0.479E 01	0.356E 01	0.305E 01
1955	0.279E 01	0.296E 01	0.277E 01	0.279E 01	0.220E 01	0.270E 01	0.345E 01	0.594E 01	0.500E 01	0.366E 01	0.315E 01	0.250E 01
1956	0.251E 01	0.254E 01	0.283E 01	0.244E 01	0.220E 01	0.243E 01	0.357E 01	0.892E 01	0.882E 01	0.620E 01	0.508E 01	0.391E 01
1957	0.397E 01	0.350E 01	0.319E 01	0.300E 01	0.300E 01	0.350E 01	0.391E 01	0.559E 01	0.114E 02	0.732E 01	0.582E 01	0.480E 01
1958	0.491E 01	0.464E 01	0.413E 01	0.308E 01	0.300E 01	0.297E 01	0.540E 01	0.162E 02	0.124E 02	0.758E 01	0.583E 01	0.457E 01
1959	0.435E 01	0.405E 01	0.347E 01	0.302E 01	0.300E 01	0.312E 01	0.343E 01	0.343E 01	0.345E 01	0.266E 01	0.226E 01	0.228E 01
1960	0.237E 01	0.234E 01	0.229E 01	0.247E 01	0.240E 01	0.303E 01	0.312E 01	0.382E 01	0.312E 01	0.268E 01	0.170E 01	0.214E 01
1961	0.222E 01	0.208E 01	0.200E 01	0.166E 01	0.150E 01	0.163E 01	0.234E 01	0.252E 01	0.127E 01	0.120E 01	0.155E 01	0.189E 01
1962	0.197E 01	0.178E 01	0.188E 01	0.157E 01	0.209E 01	0.261E 01	0.694E 01	0.119E 02	0.958E 01	0.616E 01	0.461E 01	0.360E 01
1963	0.335E 01	0.295E 01	0.281E 01	0.272E 01	0.309E 01	0.268E 01	0.340E 01	0.664E 01	0.696E 01	0.468E 01	0.450E 01	0.398E 01
1964	0.365E 01	0.323E 01	0.280E 01	0.264E 01	0.250E 01	0.250E 01	0.384E 01	0.691E 01	0.880E 01	0.584E 01	0.442E 01	0.381E 01
1965	0.364E 01	0.390E 01	0.326E 01	0.319E 01	0.309E 01	0.294E 01	0.457E 01	0.106E 02	0.152E 02	0.116E 02	0.953E 01	0.649E 01
1966	0.609E 01	0.566E 01	0.448E 01	0.405E 01	0.382E 01	0.419E 01	0.595E 01	0.103E 02	0.815E 01	0.589E 01	0.488E 01	0.506E 01
1967	0.463E 01	0.399E 01	0.331E 01	0.289E 01	0.321E 01	0.380E 01	0.455E 01	0.968E 01	0.158E 02	0.110E 02	0.917E 01	0.744E 01
1968	0.616E 01	0.574E 01	0.517E 01	0.444E 01	0.453E 01	0.474E 01	0.493E 01	0.705E 01	0.118E 02	0.874E 01	0.717E 01	0.594E 01
1969	0.549E 01	0.494E 01	0.470E 01	0.479E 01	0.446E 01	0.454E 01	0.108E 02	0.228E 02	0.174E 02	0.119E 02	0.908E 01	0.752E 01
1970	0.690E 01	0.526E 01	0.389E 01	0.294E 01	0.314E 01	0.292E 01	0.432E 01	0.973E 01	0.852E 01	0.694E 01	0.544E 01	0.429E 01
1971	0.308E 01	0.328E 01	0.291E 01	0.253E 01	0.257E 01	0.320E 01	0.411E 01	0.780E 01	0.850E 01	0.694E 01	0.580E 01	0.480E 01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.4588E 01	0.4152E 01	0.3728E 01	0.3381E 01	0.3348E 01	0.3567E 01	0.5330E 01	0.1098E 02	0.1074E 02	0.7486E 01	0.6074E 01	0.4988E 01
0.3788E 01	0.2203E 01	0.1363E 01	0.1087E 01	0.9982E 00	0.9836E 00	0.6535E 01	0.8400E 02	0.5009E 02	0.1806E 02	0.1101E 02	0.5849E 01
0.1946E 01	0.1484E 01	0.1167E 01	0.1043E 01	0.9991E 00	0.9918E 00	0.2556E 01	0.9165E 01	0.7077E 01	0.4249E 01	0.3318E 01	0.2419E 01
0.1454E 01	0.1014E 01	0.7955E 00	0.5584E 00	0.3906E 00	0.2835E 00	0.1905E 01	0.3195E 01	0.2368E 01	0.1854E 01	0.1770E 01	0.1818E 01
0.4242E 00	0.3575E 00	0.3132E 00	0.3084E 00	0.2984E 00	0.2781E 00	0.4796E 00	0.8350E 00	0.6591E 00	0.5677E 00	0.5462E 00	0.4849E 00
0.6712E 01	0.6074E 01	0.5453E 01	0.4946E 01	0.4898E 01	0.5218E 01	0.7798E 01	0.1606E 02	0.1571E 02	0.1095E 02	0.8886E 01	0.7297E 01

09287500 Water Hollow near Fruitland, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.979	0.936	*	*	*	*	*	*	*	*	*
*	1.000	0.970	0.909	*	*	*	*	*	*	*	*
*	*	1.000	0.962	0.946	*	*	*	*	*	*	*
*	*	*	1.000	0.968	0.920	*	*	*	*	*	*
*	*	*	*	1.000	0.942	0.544	*	*	*	*	*
*	*	*	*	*	1.000	0.580	0.361	*	*	*	*
*	*	*	*	*	*	1.000	0.902	0.858	*	*	*
*	*	*	*	*	*	*	1.000	0.931	0.895	*	*
*	*	*	*	*	*	*	*	1.000	0.989	0.981	*
*	*	*	*	*	*	*	*	*	1.000	0.994	0.984
*	*	*	*	*	*	*	*	*	*	1.000	0.990
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.980
SEPT-OCT 0.989
SEPT-NOV 0.970

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.378	0.417	0.507	0.552	0.635	0.635	0.109	-0.039	0.148	0.220	0.291	0.364

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288000 Currant Creek near Fruitland, Utah

LOCATION.--Lat 40°12'01", long 110°54'25", in NE¼SE¼SW¼ sec. 21, T.3 S., R.9 W., Uintah meridian, Wasatch County, on left bank 150 ft (46 m) downstream from Deep Creek, 150 ft (46 m) upstream from bridge on U.S. Highway 40, and 3.5 miles (5.6 km) southwest of Fruitland.

DRAINAGE AREA.--140 sq mi (363 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 6,670 ft (2,033 m) from topographic map. Aug. 6, 1952, to Nov. 8, 1966, water-stage recorder at site 150 ft (46 m) downstream at datum 1.30 ft (0.396 m) lower. See WSP 1733 for history of changes prior to Aug. 6, 1952.

EXTREMES.--Maximum discharge, 1,260 ft^3/s (35.7 m^3/s) May 4, 1952 (gage height, 2.72 ft or 0.829 m, site and datum then in use); maximum gage height, 4.24 ft (1.292 m) Feb. 17, 1965, site and datum then in use (backwater from ice); minimum discharge recorded, 3.6 ft^3/s (0.10 m^3/s) Aug. 9, 10, 1961.

REMARKS.--Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters of Currant Creek to Strawberry Reservoir, from which it is diverted through Strawberry tunnel to The Great Basin for irrigation in Strawberry Valley project. Since 1962, Deep Creek has been diverted intermittently into private fish ponds and enters Currant Creek 400 ft (122 m) below gage.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1942	14.00 13	14.00 10	14.00 8	14.90 9	16.50 9	18.70 12	20.50 13	22.10 13	22.00 11	40.90 10
1943	16.00 17	16.00 13	16.90 13	16.90 12	17.50 12	17.80 9	18.80 9	19.40 8	20.40 8	39.80 9
1944	21.00 19	21.70 19	21.70 19	21.90 18	22.40 17	24.50 18	24.90 17	25.70 16	25.70 15	56.70 21
1945	24.00 25	24.70 25	24.90 25	25.00 24	25.60 23	27.00 24	27.70 22	28.60 24	29.70 23	60.40 22
1946	23.00 22	23.00 22	23.60 21	24.60 23	26.00 25	27.00 25	28.00 25	28.20 22	28.20 18	49.00 18
1947	17.00 18	17.00 16	17.00 14	17.00 13	17.60 13	19.00 13	20.30 12	21.80 12	24.20 14	44.50 14
1948	15.00 14	16.00 14	17.90 16	20.60 17	22.40 18	23.50 16	24.30 15	25.50 15	26.20 16	48.70 17
1949	9.30 4	9.53 4	9.80 4	10.50 4	11.80 4	13.70 6	15.20 6	16.90 6	17.50 6	34.30 5
1950	23.00 23	23.30 24	24.60 24	25.10 25	25.60 24	26.40 21	27.70 23	29.40 25	30.50 25	61.70 23
1951	30.00 27	30.30 26	31.10 26	31.50 26	32.90 26	33.10 26	33.80 26	34.40 26	34.80 26	74.50 26
1952	22.00 20	22.70 20	24.30 23	24.50 22	24.80 20	26.60 22	27.50 20	27.90 21	28.70 21	47.80 16
1953	29.00 26	33.30 27	36.40 27	39.10 27	40.20 27	41.50 27	41.50 27	41.80 27	44.30 27	128.00 27
1954	23.00 24	23.00 23	23.40 20	23.80 20	24.30 19	25.70 19	27.70 24	28.40 23	28.60 20	42.70 12
1955	16.00 15	16.30 15	16.70 12	17.40 14	17.70 14	18.50 11	19.60 11	20.80 11	22.30 12	33.10 4
1956	13.00 10	13.70 8	14.30 9	14.60 8	15.80 8	17.00 7	18.20 7	19.10 7	21.50 10	37.30 7
1957	13.00 11	13.70 9	15.00 10	16.00 10	16.90 10	18.00 10	19.20 10	20.10 10	21.30 9	42.90 13
1961	5.50 2	5.83 2	6.33 2	6.74 2	7.55 2	9.78 2	11.00 2	12.90 2	14.50 2	23.60 2
1962	4.00 1	4.13 1	4.56 1	5.10 1	5.27 1	6.65 1	7.90 1	9.84 1	11.50 1	15.60 1
1963	9.50 5	10.20 5	11.10 5	11.60 5	12.30 5	13.60 5	15.00 5	15.90 5	16.70 5	50.80 19
1964	12.00 6	12.00 6	12.00 6	12.30 6	13.00 6	13.50 3	14.20 4	14.80 4	16.20 4	30.50 3
1965	8.60 3	8.87 3	9.09 3	9.54 3	11.20 3	13.50 4	14.00 3	14.50 3	15.90 3	38.30 8
1966	16.00 16	17.70 17	20.00 17	20.00 16	21.60 15	23.10 15	24.90 16	27.10 19	29.50 22	55.50 20
1967	12.00 7	12.70 7	13.60 7	14.00 7	15.70 7	17.70 8	18.70 8	19.50 9	19.90 7	35.90 6
1968	22.00 21	22.70 21	23.70 22	24.10 21	25.20 21	26.80 23	27.60 21	27.50 20	28.30 19	62.20 24
1969	12.00 8	18.70 18	20.90 18	23.50 19	25.30 22	25.70 20	26.50 19	26.80 17	26.80 17	47.20 15
1970	13.00 9	15.00 12	17.60 15	18.60 15	21.60 16	23.80 17	25.60 18	26.80 18	30.00 24	72.20 25
1971	14.00 12	14.70 11	15.60 11	16.70 11	17.30 11	20.60 14	22.30 14	23.10 14	23.60 13	41.70 11

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	308.0 10	284.0 11	250.0 11	200.0 14	158.0 18	120.0 19	92.7 19	77.5 19	58.2 20	37.6 22
1942	176.0 23	160.0 23	133.0 25	124.0 25	113.0 24	107.0 21	89.7 21	75.7 21	57.5 22	39.7 21
1943	358.0 7	348.0 7	326.0 7	305.0 5	237.0 8	177.0 8	143.0 8	118.0 7	88.4 7	55.5 7
1944	390.0 5	372.0 5	349.0 4	295.0 6	254.0 5	185.0 7	144.0 7	120.0 6	89.4 6	57.9 4
1945	249.0 16	240.0 16	233.0 14	207.0 12	161.0 16	130.0 13	105.0 12	88.4 12	70.0 12	50.0 11
1946	264.0 13	263.0 12	249.0 12	218.0 11	176.0 11	128.0 16	101.0 16	84.4 17	65.3 16	45.1 16
1947	332.0 8	313.0 8	297.0 8	252.0 8	193.0 9	143.0 11	113.0 11	95.8 11	72.7 11	49.8 12
1948	221.0 19	202.0 21	178.0 22	152.0 22	128.0 22	98.5 23	78.3 25	66.2 25	51.6 25	37.0 24
1949	303.0 11	292.0 10	273.0 10	243.0 9	242.0 7	191.0 5	152.0 5	124.0 5	90.9 5	55.8 6
1950	451.0 3	418.0 4	343.0 5	326.0 3	294.0 3	237.0 3	187.0 3	153.0 3	113.0 3	73.0 2
1951	232.0 17	216.0 18	212.0 17	185.0 17	156.0 19	122.0 17	101.0 17	85.9 14	69.2 13	50.8 8
1952	1040.0 1	1020.0 1	890.0 1	752.0 1	613.0 1	471.0 1	358.0 1	289.0 1	211.0 1	121.0 1
1953	150.0 25	139.0 26	127.0 26	120.0 26	109.0 26	93.9 25	79.1 23	70.7 22	60.6 18	49.7 13
1954	117.0 28	108.0 28	106.0 27	97.7 27	91.2 27	73.6 27	61.3 27	54.2 27	45.6 27	35.4 26
1955	206.0 22	200.0 22	197.0 20	164.0 21	130.0 21	97.6 24	78.6 24	66.8 24	52.6 24	37.4 23
1956	232.0 18	227.0 17	215.0 16	180.0 19	162.0 14	130.0 14	103.0 13	85.8 15	64.9 17	43.5 19
1957	217.0 20	213.0 19	203.0 19	186.0 16	159.0 17	131.0 12	102.0 14	85.5 16	65.7 15	44.4 17
1960	126.0 27	115.0 27	99.4 28	80.6 28	67.2 28	58.5 28	50.1 28	42.7 28	33.9 28	24.1 28
1961	58.0 29	49.0 29	43.7 29	36.3 29	31.9 29	28.7 29	25.7 29	23.7 29	21.0 29	16.9 29
1962	378.0 6	356.0 6	338.0 6	277.0 7	248.0 6	187.0 6	144.0 6	116.0 8	81.9 8	48.0 15
1963	144.0 26	144.0 25	138.0 23	131.0 23	113.0 25	87.2 26	70.6 26	59.5 26	46.9 26	32.5 27
1964	331.0 9	312.0 9	282.0 9	239.0 10	175.0 12	121.0 18	95.5 18	79.1 18	57.7 21	36.5 25
1965	264.0 14	254.0 13	238.0 13	202.0 13	180.0 10	150.0 10	123.0 10	103.0 10	81.2 9	50.4 10
1966	167.0 24	153.0 24	134.0 24	125.0 24	120.0 23	103.0 22	83.6 22	70.6 23	54.9 23	40.5 20
1967	451.0 2	420.0 3	377.0 3	322.0 4	278.0 4	205.0 4	157.0 4	129.0 4	94.6 4	57.8 5
1968	216.0 21	207.0 20	187.0 21	180.0 20	161.0 15	129.0 15	102.0 15	86.3 13	68.1 14	48.2 14
1969	436.0 4	423.0 2	409.0 2	379.0 2	323.0 2	238.0 2	191.0 2	157.0 2	115.0 2	71.1 3
1970	259.0 15	253.0 14	226.0 15	195.0 15	156.0 20	115.0 20	91.2 20	76.5 20	60.3 19	44.2 18
1971	270.0 12	246.0 15	210.0 18	184.0 18	175.0 13	156.0 9	128.0 9	105.0 9	77.7 10	50.7 9

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288000 Currant Creek near Fruitland, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10592	100.0	9	15.00	808	10001	94.4	18	69.0	267	1722	16.3	27	310	49	111	1.0
1	4.00	11	10592	100.0	10	18.00	946	9193	86.8	19	82.0	259	1455	13.7	28	370	29	62	.5
2	4.70	11	10581	99.9	11	21.00	1314	8247	77.9	20	97.0	199	1196	11.3	29	440	15	33	.3
3	5.60	22	10570	99.8	12	25.00	1821	6933	65.5	21	110.0	331	997	9.4	30	520	4	18	.1
4	6.60	28	10548	99.6	13	30.00	1439	5112	48.3	22	140.0	152	666	6.3	31	620	9	14	.1
5	7.80	29	10520	99.3	14	35.00	851	3673	34.7	23	160.0	133	514	4.9	32	730		5	.0
6	9.30	44	10491	99.0	15	42.00	532	2822	26.6	24	190.0	130	381	3.6	33	860	2	5	.0
7	11.00	132	10447	98.6	16	50.00	335	2290	21.6	25	230.0	95	251	2.4	34	1000	3	3	.0
8	13.00	314	10315	97.4	17	59.00	233	1955	18.5	26	270.0	45	156	1.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1941	3 3 22 86 90 28 28 23 9 12 5 4 7 7 7 19 2 3 2 3 2	13734.0
1942	43 58 85 53 17 20 9 11 5 9 18 12 22 1 2	14477.0
1943	4 26123 52 34 16 7 13 9 13 7 16 14 8 4 3 4 5 7	20271.0
1944	36142 64 10 17 18 8 13 9 4 8 3 5 13 8 1 6 1	21190.0
1945	10 81124 54 18 6 9 11 12 8 12 3 7 4 6	18244.0
1946	15 38 25112 71 15 17 16 5 5 12 4 8 9 1 6 6	16467.0
1947	4 7 41141 37 26 29 10 5 11 14 6 13 4 5 3 2 5 2	18186.0
1948	7 9 24 19 22 57 83 60 18 9 6 8 9 8 9 9 5 1 3	13536.6
1949	36 73 46 66 34 13 6 2 9 11 7 5 12 8 12 6 11 8	20379.0
1950	20131 88 16 13 12 13 2 2 12 14 7 7 8 5 11 3 1	26631.0
1951	8 36 89122 25 10 8 14 19 6 11 6 2 8 1	18531.0
1952	5 79 92 10 5 12 31 25 16 10 10 6 6 5 5 3 3 12 13 4 9 2 3	44114.0
1953	18 27 25 46147 38 10 13 15 14 9 3	18146.0
1954	21 35 23 80120 17 17 10 9 11 13 7 2	12935.0
1955	9 18 39 53129 30 13 11 12 11 10 5 12 3 1 4 5	13640.0
1956	3 41 41 87 71 15 24 7 16 5 6 7 3 16 13 5 5 1	15904.0
1957	3 20129 72 33 28 10 11 5 2 5 6 19 2 14 6	16222.0
1960	1 7 12 7 12 31 32 64 82 28 8 10 14 17 20 11 3 3 2 2	8831.6
1961	11 10 15 16 17 7 18 43 82 58 45 21 9 6 5 2	6172.3
1962	2 51 71 98 12 16 9 9 6 9 11 3 7 5 3 15 8 6 8 4 6 5 1	17535.5
1963	1 15 76 81 69 22 15 24 7 8 5 16 4 4 13 5	11872.0
1964	5 13 14 60 87 45 30 5 11 20 12 10 9 12 5 6 6 1 3 3 5 3 1	13376.6
1965	2 20 47 46 41 16 22 49 22 19 5 7 17 3 13 14 11 6 5	18409.0
1966	2 9 22 40 47 55 61 49 13 6 7 8 12 10 19 4 1	14775.0
1967	2 23 62 83 40 29 20 14 9 14 12 5 3 9 2 2 13 12 1 7 2 1	21084.0
1968	4 13110107 37 20 15 6 5 3 7 14 10 9 6	17649.0
1969	1 1 3 8 23 95 80 33 13 8 7 8 12 12 17 3 6 6 7 5 7 10	25937.0
1970	1 2 21 61 78 61 55 24 9 7 4 9 7 12 2 3 6 3	16115.0
1971	2 14 38 84 90 26 9 14 9 6 2 8 11 12 15 14 6 4 1	18498.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1936	0.127E+02	0.140E+02	0.131E+02	0.140E+02	0.139E+02	0.150E+02	0.886E+02	0.240E+03	0.877E+02	0.945E+01	0.124E+02	0.176E+02
1937	0.222E+02	0.195E+02	0.178E+02	0.145E+02	0.160E+02	0.198E+02	0.680E+02	0.232E+03	0.117E+03	0.506E+02	0.274E+02	0.246E+02
1938	0.257E+02	0.272E+02	0.257E+02	0.217E+02	0.205E+02	0.270E+02	0.882E+02	0.200E+03	0.120E+03	0.402E+02	0.234E+02	0.239E+02
1939	0.327E+02	0.277E+02	0.251E+02	0.243E+02	0.237E+02	0.463E+02	0.824E+02	0.101E+03	0.478E+02	0.236E+02	0.142E+02	0.173E+02
1940	0.221E+02	0.202E+02	0.181E+02	0.178E+02	0.203E+02	0.256E+02	0.426E+02	0.577E+02	0.228E+02	0.113E+02	0.803E+01	0.156E+02
1941	0.173E+02	0.171E+02	0.152E+02	0.165E+02	0.183E+02	0.228E+02	0.387E+02	0.156E+03	0.761E+02	0.340E+02	0.195E+02	0.178E+02
1942	0.262E+02	0.260E+02	0.232E+02	0.195E+02	0.219E+02	0.302E+02	0.952E+02	0.109E+03	0.622E+02	0.268E+02	0.181E+02	0.175E+02
1943	0.211E+02	0.214E+02	0.225E+02	0.232E+02	0.263E+02	0.342E+02	0.162E+03	0.163E+03	0.100E+03	0.406E+02	0.293E+02	0.228E+02
1944	0.296E+02	0.277E+02	0.248E+02	0.248E+02	0.257E+02	0.305E+02	0.545E+02	0.230E+03	0.135E+03	0.540E+02	0.304E+02	0.259E+02
1945	0.283E+02	0.302E+02	0.320E+02	0.318E+02	0.332E+02	0.363E+02	0.498E+02	0.159E+03	0.978E+02	0.412E+02	0.312E+02	0.277E+02
1946	0.290E+02	0.305E+02	0.273E+02	0.270E+02	0.303E+02	0.362E+02	0.134E+03	0.115E+03	0.493E+02	0.256E+02	0.203E+02	0.177E+02
1947	0.255E+02	0.284E+02	0.287E+02	0.275E+02	0.271E+02	0.356E+02	0.758E+02	0.189E+03	0.711E+02	0.353E+02	0.268E+02	0.255E+02
1948	0.276E+02	0.298E+02	0.271E+02	0.227E+02	0.248E+02	0.282E+02	0.553E+02	0.126E+03	0.502E+02	0.236E+02	0.157E+02	0.119E+02
1949	0.187E+02	0.213E+02	0.197E+02	0.176E+02	0.212E+02	0.287E+02	0.125E+03	0.217E+03	0.103E+03	0.412E+02	0.288E+02	0.258E+02
1950	0.311E+02	0.341E+02	0.311E+02	0.337E+02	0.311E+02	0.362E+02	0.136E+03	0.255E+03	0.159E+03	0.554E+02	0.367E+02	0.333E+02
1951	0.344E+02	0.360E+02	0.341E+02	0.353E+02	0.396E+02	0.376E+02	0.711E+02	0.151E+03	0.783E+02	0.366E+02	0.304E+02	0.249E+02
1952	0.293E+02	0.289E+02	0.304E+02	0.294E+02	0.319E+02	0.311E+02	0.179E+03	0.600E+03	0.253E+03	0.985E+02	0.736E+02	0.573E+02
1953	0.500E+02	0.457E+02	0.425E+02	0.427E+02	0.406E+02	0.445E+02	0.594E+02	0.909E+02	0.853E+02	0.379E+02	0.324E+02	0.243E+02
1954	0.288E+02	0.316E+02	0.288E+02	0.289E+02	0.303E+02	0.339E+02	0.737E+02	0.718E+02	0.355E+02	0.235E+02	0.189E+02	0.197E+02
1955	0.218E+02	0.261E+02	0.243E+02	0.258E+02	0.254E+02	0.302E+02	0.479E+02	0.128E+03	0.562E+02	0.245E+02	0.204E+02	0.162E+02
1956	0.183E+02	0.221E+02	0.290E+02	0.258E+02	0.246E+02	0.330E+02	0.848E+02	0.156E+03	0.628E+02	0.274E+02	0.194E+02	0.178E+02
1957	0.210E+02	0.224E+02	0.235E+02	0.237E+02	0.254E+02	0.288E+02	0.426E+02	0.130E+03	0.129E+03	0.366E+02	0.267E+02	0.225E+02
1960	0.187E+02	0.188E+02	0.146E+02	0.171E+02	0.177E+02	0.266E+02	0.499E+02	0.647E+02	0.274E+02	0.142E+02	0.786E+01	0.119E+02
1961	0.183E+02	0.188E+02	0.165E+02	0.151E+02	0.179E+02	0.202E+02	0.295E+02	0.268E+02	0.115E+02	0.688E+01	0.686E+01	0.149E+02
1962	0.140E+02	0.154E+02	0.139E+02	0.138E+02	0.164E+02	0.171E+02	0.135E+03	0.210E+03	0.824E+02	0.294E+02	0.149E+02	0.129E+02
1963	0.173E+02	0.188E+02	0.185E+02	0.181E+02	0.260E+02	0.250E+02	0.394E+02	0.111E+03	0.572E+02	0.205E+02	0.199E+02	0.177E+02
1964	0.169E+02	0.217E+02	0.141E+02	0.130E+02	0.155E+02	0.183E+02	0.452E+02	0.156E+03	0.805E+02	0.283E+02	0.146E+02	0.137E+02
1965	0.155E+02	0.151E+02	0.178E+02	0.199E+02	0.214E+02	0.298E+02	0.578E+02	0.168E+03	0.128E+03	0.545E+02	0.403E+02	0.360E+02
1966	0.326E+02	0.347E+02	0.306E+02	0.223E+02	0.257E+02	0.348E+02	0.106E+03	0.978E+02	0.404E+02	0.248E+02	0.168E+02	0.191E+02
1967	0.226E+02	0.232E+02	0.186E+02	0.199E+02	0.189E+02	0.222E+02	0.431E+02	0.200E+03	0.198E+03	0.662E+02	0.334E+02	0.258E+02
1968	0.281E+02	0.298E+02	0.270E+02	0.293E+02	0.308E+02	0.347E+02	0.482E+02	0.147E+03	0.108E+03	0.361E+02	0.344E+02	0.254E+02
1969	0.270E+02	0.272E+02	0.285E+02	0.264E+02	0.263E+02	0.307E+02	0.145E+03	0.313E+03	0.107E+03	0.514E+02	0.363E+02	0.311E+02
1970	0.382E+02	0.345E+02	0.261E+02	0.227E+02	0.285E+02	0.302E+02	0.405E+02	0.149E+03	0.778E+02	0.340E+02	0.231E+02	0.235E+02
1971	0.258E+02	0.270E+02	0.194E+02	0.242E+02	0.240E+02	0.301E+02	0.115E+03	0.170E+03	0.931E+02	0.319E+02	0.253E+02	0.217E+02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288000 Currant Creek near Fruitland, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2495E+02	0.2569E+02	0.2381E+02	0.2326E+02	0.2473E+02	0.2973E+02	0.7969E+02	0.1673E+03	0.8850E+02	0.3518E+02	0.2463E+02	0.2239E+02
0.5826E+02	0.4841E+02	0.4619E+02	0.4568E+02	0.4116E+02	0.5059E+02	0.1615E+04	0.9636E+04	0.2432E+04	0.3144E+03	0.1511E+03	0.7281E+02
0.7633E+01	0.6957E+01	0.6796E+01	0.6759E+01	0.6415E+01	0.7113E+01	0.4019E+02	0.9816E+02	0.4931E+02	0.1773E+02	0.1229E+02	0.8533E+01
0.1001E+01	0.5283E+00	0.3895E+00	0.7049E+00	0.5446E+00	0.9063E-02	0.8910E+00	0.2652E+01	0.1314E+01	0.1379E+01	0.1836E+01	0.2165E+01
0.3060E+00	0.2708E+00	0.2854E+00	0.2909E+00	0.2594E+00	0.2392E+00	0.5044E+00	0.5866E+00	0.5572E+00	0.5041E+00	0.4990E+00	0.3811E+00
0.4377E+01	0.4509E+01	0.4179E+01	0.4077E+01	0.4340E+01	0.5217E+01	0.1398E+02	0.2936E+02	0.1553E+02	0.6173E+01	0.4322E+01	0.3929E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.954	0.849	*	*	*	*	*	*	*	*	*
*	1.000	0.907	0.850	*	*	*	*	*	*	*	*
*	*	1.000	0.931	0.906	*	*	*	*	*	*	*
*	*	*	1.000	0.945	0.832	*	*	*	*	*	*
*	*	*	*	1.000	0.803	0.150	*	*	*	*	*
*	*	*	*	*	1.000	0.193	-0.095	*	*	*	*
*	*	*	*	*	*	1.000	0.600	0.359	*	*	*
*	*	*	*	*	*	*	1.000	0.826	0.816	*	*
*	*	*	*	*	*	*	*	1.000	0.929	0.863	*
*	*	*	*	*	*	*	*	*	1.000	0.932	0.892
*	*	*	*	*	*	*	*	*	*	1.000	0.960
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.895
SEPT-OCT 0.915
SEPT-NOV 0.895

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.340	0.383	0.494	0.593	0.552	0.320	-0.186	-0.044	0.026	0.083	0.274	0.144

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288100 Red Creek below Currant Creek, near Fruitland, Utah

LOCATION.--Lat 40°08'47", long 110°45'09", in SW¼NE¼SE¼ sec.11, T.4 S., R.8 W., Uintah meridian, Duchesne County, on right bank 700 ft (213 m) upstream from bridge, 1.6 miles (2.6 km) upstream from mouth, 3.2 miles (5.1 km) downstream from Currant Creek, and 7 miles (11 km) southeast of Fruitland.

DRAINAGE AREA.--300 sq mi (777 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 6,130 ft (1,868 m) from topographic map.

EXTREMES.--Maximum discharge, 1,340 ft^3/s (37.9 m^3/s) Aug. 31, 1967 (gage height, 4.46 ft or 1.359 m in gage well, 4.74 ft or 1.445 m from floodmark), from rating curve extended above 540 ft^3/s (15.3 m^3/s) on basis of slope-area measurement of peak flow; minimum, 9.3 ft^3/s (0.26 m^3/s) Nov. 24, 1966, result of freezeup.

REMARKS.--Several diversions above station for irrigation, including transmountain diversion to The Great Basin through Strawberry tunnel. Flow slightly regulated by Red Creek Reservoir, 13 miles (21 km) upstream, beginning July 1960, capacity 5,700 acre-ft (7.03 hm^3).

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1965	12.00	1	14.70	1	15.10	1	15.90	1	16.60	1	18.50	1	19.90	1	21.20	1	23.30	1	47.30	1
1966	17.00	3	21.30	3	22.10	3	22.90	3	27.10	3	28.20	3	29.60	3	32.10	3	36.00	3	68.30	4
1967	14.00	2	15.70	2	16.60	2	19.30	2	20.50	2	23.60	2	25.50	2	27.00	2	27.00	2	48.30	2
1968	26.00	6	29.00	6	31.70	5	33.90	5	34.70	5	36.20	5	36.80	5	36.80	5	38.40	4	75.30	5
1969	24.00	5	27.70	5	32.00	6	34.50	6	35.80	6	37.20	6	38.10	6	39.20	6	44.40	6	66.10	3
1970	22.00	4	23.00	4	24.30	4	24.90	4	29.70	4	31.60	4	33.90	4	35.10	4	39.10	5	85.60	6

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1964	354.0	4	339.0	4	307.0	4	264.0	4	195.0	4	135.0	5	109.0	5	91.4	6	68.7	7	45.7	7
1965	376.0	3	357.0	3	324.0	3	276.0	3	229.0	3	183.0	3	147.0	3	125.0	3	99.2	3	63.5	3
1966	184.0	7	179.0	7	158.0	7	149.0	7	149.0	7	132.0	6	109.0	6	92.2	5	70.6	6	51.2	6
1967	454.0	2	446.0	2	406.0	2	363.0	2	319.0	2	232.0	2	175.0	2	146.0	2	111.0	2	70.9	2
1968	272.0	6	245.0	6	219.0	6	214.0	5	190.0	5	151.0	4	121.0	4	104.0	4	86.9	4	63.4	4
1969	522.0	1	465.0	1	456.0	1	421.0	1	357.0	1	261.0	1	213.0	1	177.0	1	134.0	1	89.1	1
1970	274.0	5	265.0	5	239.0	5	209.0	6	170.0	6	125.0	7	102.0	7	87.0	7	70.7	5	54.6	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2557	100.0	9	29.00	176	2047	80.1	18	78.0	53	470	18.4	27	210	32	117	4.5
1	12.00	2	2557	100.0	10	32.00	222	1871	73.2	19	88.0	40	417	16.3	28	240	16	85	3.3
2	13.00	9	2555	99.9	11	36.00	242	1649	64.5	20	98.0	47	377	14.7	29	260	22	69	2.6
3	15.00	27	2546	99.6	12	40.00	314	1407	55.0	21	110.0	34	330	12.9	30	300	12	47	1.8
4	17.00	34	2519	98.5	13	45.00	208	1093	42.7	22	120.0	65	296	11.6	31	330	10	35	1.3
5	19.00	68	2485	97.2	14	50.00	167	885	34.6	23	140.0	30	231	9.0	32	370	12	25	.9
6	21.00	62	2417	94.5	15	56.00	129	718	28.1	24	150.0	32	201	7.9	33	410	12	13	.5
7	23.00	162	2355	92.1	16	63.00	70	589	23.0	25	170.0	34	169	6.6	34	460	1	1	.0
8	26.00	146	2193	85.8	17	70.00	49	519	20.3	26	190.0	18	135	5.3					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
1964		6	22	18	32	24	70	39	25	18	10	10	7	12	9	10	6	8	5	3	3		2	3	1	2	3	5	1	2					16723.0
1965	2	2		7	17	17	39	36	21	14	14	29	28	19	21	16	5	7	8	8	5	8	6	5	9	6	7	2	2	2	2	1				23185.0
1966		1	4	8	14	14	34	27	36	30	41	47	17	9	10	1	5	9	3	9	3	20	8	10	5											18689.0
1967			1	1	5	6	10	21	59	61	34	23	24	26	15	7	5	10	4	4	2	2	3	2	2	2	9	2	7	7	3	5	3			25867.0
1968								3	10	26	65	57	34	45	43	18	8	3	4	5	5	8	5	4	9	5	5	3	1							23211.0
1969							1	5	5	14	25	91	55	28	13	8	10	14	6	12	9	19	4	5	4	2	4	5	5	2	3	6	9	1		32533.0
1970						1	8	15	20	59	53	57	40	33	15	11	6	4	7	4	7	5	4	4	2	2	5	1	2							19932.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.212E+02	0.261E+02	0.275E+02	0.283E+02	0.283E+02	0.375E+02	0.642E+02	0.211E+03	0.148E+03	0.616E+02	0.564E+02	0.496E+02
1966	0.411E+02	0.393E+02	0.332E+02	0.273E+02	0.315E+02	0.535E+02	0.138E+03	0.121E+03	0.513E+02	0.270E+02	0.214E+02	0.290E+02
1967	0.315E+02	0.301E+02	0.242E+02	0.295E+02	0.335E+02	0.426E+02	0.514E+02	0.212E+03	0.239E+03	0.682E+02	0.494E+02	0.380E+02
1968	0.365E+02	0.394E+02	0.372E+02	0.383E+02	0.452E+02	0.499E+02	0.577E+02	0.165E+03	0.133E+03	0.537E+02	0.597E+02	0.449E+02
1969	0.639E+02	0.402E+02	0.377E+02	0.381E+02	0.413E+02	0.556E+02	0.161E+03	0.348E+03	0.120E+03	0.621E+02	0.523E+02	0.454E+02
1970	0.513E+02	0.426E+02	0.334E+02	0.304E+02	0.415E+02	0.359E+02	0.518E+02	0.163E+03	0.804E+02	0.473E+02	0.365E+02	0.397E+02
1971	0.394E+02	0.361E+02	0.325E+02	0.331E+02	0.315E+02	0.395E+02	0.113E+03	0.163E+03	0.898E+02	0.375E+02	0.326E+02	0.320E+02

09288100 Red Creek below Currant Creek, near Fruitland, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.4071E+02	0.3625E+02	0.3224E+02	0.3212E+02	0.3612E+02	0.4493E+02	0.9100E+02	0.1976E+03	0.1232E+03	0.5105E+02	0.4403E+02	0.3980E+02
0.1889E+03	0.3616E+02	0.2389E+02	0.2048E+02	0.4156E+02	0.6416E+02	0.2085E+04	0.5359E+04	0.3707E+04	0.2188E+03	0.1992E+03	0.5575E+02
0.1374E+02	0.6013E+01	0.4888E+01	0.4525E+01	0.6446E+01	0.8010E+01	0.4566E+02	0.7321E+02	0.6089E+02	0.1479E+02	0.1411E+02	0.7467E+01
0.4791E+00	-0.9755E+00	-0.6789E+00	0.6387E+00	0.3138E+00	0.3032E+00	0.6746E+00	0.1682E+01	0.1113E+01	-0.6394E+00	-0.5889E+00	-0.2805E+00
0.3377E+00	0.1659E+00	0.1516E+00	0.1409E+00	0.1785E+00	0.1783E+00	0.5017E+00	0.3704E+00	0.4942E+00	0.2898E+00	0.3206E+00	0.1876E+00
0.5293E+01	0.4714E+01	0.4191E+01	0.4177E+01	0.4697E+01	0.5842E+01	0.1183E+02	0.2570E+02	0.1602E+02	0.6638E+01	0.5725E+01	0.5175E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.814	0.708	*	*	*	*	*	*	*	*	*
*	1.000	0.825	0.446	*	*	*	*	*	*	*	*
*	*	1.000	0.723	0.697	*	*	*	*	*	*	*
*	*	*	1.000	0.760	0.454	*	*	*	*	*	*
*	*	*	*	1.000	0.330	-0.092	*	*	*	*	*
*	*	*	*	*	1.000	0.689	0.328	*	*	*	*
*	*	*	*	*	*	1.000	0.380	-0.495	*	*	*
*	*	*	*	*	*	*	1.000	0.348	0.674	*	*
*	*	*	*	*	*	*	*	1.000	0.850	0.659	*
*	*	*	*	*	*	*	*	*	1.000	0.865	0.776
*	*	*	*	*	*	*	*	*	*	1.000	0.906
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.725
SEPT-OCT 0.621
SEPT-NOV 0.839

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.178	-0.221	-0.142	0.358	0.346	-0.290	-0.647	-0.365	-0.343	-0.492	-0.136	-0.221

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288150 Cottonwood Creek near Fruitland, Utah

LOCATION.--Lat 39°59'40", long 110°49'00", in NW¼ sec.5, T.6 S., R.8 W., Uintah meridian, Duchesne County, 0.2 mile (0.3 km) upstream from mouth and 15 miles (24 km) south of Fruitland.

DRAINAGE AREA.--56 sq mi (145 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 6,750 ft (2,057 m) from topographic map.

EXTREMES.--Maximum discharge, 354 ft^3/s (10.2 m^3/s) July 30, 1965 (gage height, 3.17 ft or 0.996 m), from rating curve extended above 220 ft^3/s (6.23 m^3/s); minimum recorded, 0.2 ft^3/s (0.006 m^3/s) Jan. 24, 1965, result of freezeup.

REMARKS.--No diversions above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1966	1.90	6	1.90	6	1.93	6	1.96	6	2.05	6	2.19	6	2.36	6	2.50	5	3.34	6	24.20	6
1967	1.30	2	1.40	3	1.46	3	1.47	3	1.50	3	1.61	3	1.71	1	1.78	1	1.94	1	8.35	1
1968	1.30	3	1.30	2	1.34	2	1.43	2	1.48	2	1.60	2	1.73	2	1.89	3	2.59	3	16.30	3
1969	1.50	4	1.50	4	1.54	4	1.59	4	1.65	4	1.74	4	1.79	3	1.85	2	2.24	2	17.40	4
1970	1.00	1	1.00	1	1.00	1	1.00	1	1.20	1	1.59	1	1.81	4	2.09	4	2.61	4	19.20	5
1971	1.80	5	1.80	5	1.81	5	1.89	5	1.95	5	2.00	5	2.30	5	2.65	6	3.10	5	9.72	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1965	206.0	2	190.0	1	170.0	1	144.0	1	127.0	1	96.9	1	78.2	1	63.2	1	45.0	1	23.5	1
1966	62.0	7	60.3	7	58.3	7	49.7	7	39.8	7	31.9	7	25.2	7	20.6	7	14.7	7	8.8	7
1967	147.0	5	139.0	4	126.0	4	108.0	4	89.9	4	67.6	4	51.1	4	41.5	4	29.8	4	16.0	4
1968	177.0	3	164.0	2	146.0	3	129.0	3	103.0	3	74.4	3	56.2	3	46.0	3	32.8	3	17.6	3
1969	166.0	4	162.0	3	156.0	2	144.0	2	118.0	2	81.4	2	62.3	2	50.2	2	35.9	2	19.1	2
1970	91.0	6	77.7	6	67.1	6	57.9	6	46.1	6	34.5	6	26.9	6	21.5	6	15.7	6	9.2	6
1971	300.0	1	110.0	5	89.4	5	76.7	5	65.3	5	49.0	5	39.8	5	34.0	5	26.3	5	14.7	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	CFS	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	2556	100.0	9	2.20	209	1937	75.8	18	11.0	85	816	31.9	27	57	48	191	7.4
1	0.50	11	2556	100.0	10	2.60	166	1728	67.6	19	13.0	103	731	28.6	28	69	34	143	5.5
2	0.60	7	2545	99.6	11	3.10	159	1562	61.1	20	16.0	62	628	24.6	29	83	33	109	4.2
3	0.70	12	2538	99.3	12	3.70	190	1403	54.9	21	19.0	77	566	22.1	30	99	29	76	2.9
4	0.90	11	2526	98.8	13	4.50	86	1213	47.5	22	23.0	102	489	19.1	31	120	25	47	1.8
5	1.00	43	2515	98.4	14	5.40	87	1127	44.1	23	28.0	52	387	15.1	32	140	16	22	.8
6	1.20	55	2472	96.7	15	6.40	97	1040	40.7	24	33.0	57	335	13.1	33	170	5	6	.2
7	1.50	147	2417	94.6	16	7.70	76	943	36.9	25	40.0	38	278	10.9	34	210	1	1	.0
8	1.80	333	2270	88.8	17	9.30	51	867	33.9	26	48.0	49	240	9.4					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR	NUMBER OF DAYS IN CLASS																																			
1965	11	7	12	11	24	26	16	30	11	5	6	10	3	5	9	20	15	21	13	4	9	11	4	8	9	10	7	13	8	12	8	4	3			8583.3
1966								50	60	47	36	23	14	19	19	9	9	3	17	5	2	21	11	8	3	4	5									3221.5
1967							3	48	63	35	10	7	14	14	14	19	10	4	17	28	6	3	7	7	11	5	6	7	8	9	5	4	1			5849.5
1968							21	32	31	36	19	17	29	5	12	14	12	6	13	21	17	12	9	6	6	4	7	15	2	5	4	7	2	2		6456.0
1969								44	69	11	34	25	11	2	11	14	12	8	7	7	10	15	17	13	12	3	4	4	6	6	5	6	9			6983.7
1970					19	5	7	32	30	29	41	63	25	13	11	5	4	11	6	8	10	16	6	7	3	8	3	2	1							3346.2
1971								58	26	22	27	40	23	13	11	8	5	13	11	12	26	21	5	5	11	10	7	3	4	3			1			5366.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.207E 01	0.125E 01	0.745E 00	0.981E 00	0.183E 01	0.473E 01	0.272E 02	0.984E 02	0.940E 02	0.291E 02	0.119E 02	0.918E 01
1966	0.550E 01	0.311E 01	0.253E 01	0.206E 01	0.254E 01	0.409E 01	0.230E 02	0.389E 02	0.126E 02	0.633E 01	0.274E 01	0.214E 01
1967	0.202E 01	0.171E 01	0.154E 01	0.196E 01	0.239E 01	0.449E 01	0.108E 02	0.609E 02	0.675E 02	0.229E 02	0.998E 01	0.546E 01
1968	0.316E 01	0.222E 01	0.177E 01	0.157E 01	0.209E 01	0.705E 01	0.150E 02	0.797E 02	0.673E 02	0.177E 02	0.989E 01	0.376E 01
1969	0.303E 01	0.252E 01	0.175E 01	0.175E 01	0.188E 01	0.409E 01	0.431E 02	0.112E 03	0.285E 02	0.124E 02	0.122E 02	0.450E 01
1970	0.367E 01	0.308E 01	0.195E 01	0.133E 01	0.241E 01	0.342E 01	0.504E 01	0.376E 02	0.288E 02	0.129E 02	0.522E 01	0.405E 01
1971	0.419E 01	0.281E 01	0.195E 01	0.252E 01	0.346E 01	0.755E 01	0.184E 02	0.611E 02	0.355E 02	0.175E 02	0.172E 02	0.326E 01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288150 Cottonwood Creek near Fruitland, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.3375E 01	0.2385E 01	0.1748E 01	0.1738E 01	0.2372E 01	0.5059E 01	0.2037E 02	0.6984E 02	0.4774E 02	0.1697E 02	0.9868E 01	0.4620E 01
0.1495E 01	0.4977E 00	0.2897E 00	0.2549E 00	0.3052E 00	0.2525E 01	0.1547E 03	0.6104E 03	0.8375E 03	0.5553E 02	0.2259E 02	0.5094E 01
0.1223E 01	0.7055E 00	0.5382E 00	0.5049E 00	0.5525E 00	0.1589E 01	0.1244E 02	0.2848E 02	0.2894E 02	0.7452E 01	0.4753E 01	0.2257E 01
0.6785E 00	-0.6511E 00	-0.7931E 00	0.1395E-01	0.1377E 01	0.9809E 00	0.8993E 00	0.3666E 00	0.5274E 00	0.3413E 00	-0.1017E 00	0.1553E 01
0.3622E 00	0.2958E 00	0.3079E 00	0.2905E 00	0.2329E 00	0.3141E 00	0.6107E 00	0.4077E 00	0.6062E 00	0.4390E 00	0.4816E 00	0.4885E 00
0.1814E 01	0.1282E 01	0.9393E 00	0.9339E 00	0.1275E 01	0.2718E 01	0.1095E 02	0.3753E 02	0.2565E 02	0.9122E 01	0.5303E 01	0.2483E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.865	0.878	*	*	*	*	*	*	*	*	*
*	1.000	0.908	0.473	*	*	*	*	*	*	*	*
*	*	1.000	0.633	0.503	*	*	*	*	*	*	*
*	*	*	1.000	0.802	0.434	*	*	*	*	*	*
*	*	*	*	1.000	0.486	-0.383	*	*	*	*	*
*	*	*	*	*	1.000	-0.101	0.128	*	*	*	*
*	*	*	*	*	*	1.000	0.763	-0.098	*	*	*
*	*	*	*	*	*	*	1.000	0.471	0.443	*	*
*	*	*	*	*	*	*	*	1.000	0.946	0.362	*
*	*	*	*	*	*	*	*	*	1.000	0.532	0.872
*	*	*	*	*	*	*	*	*	*	1.000	0.299
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.550

SEPT-OCT 0.879

SEPT-NOV 0.637

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.659	-0.367	-0.892	-0.515	0.206	-0.416	-0.438	-0.306	-0.463	-0.753	-0.638	-0.904

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288180 Strawberry River near Duchesne, Utah

LOCATION.--Lat 40°09'17", long 110°33'15", in SE¼SW¼SW¼ sec.3, T.4 S., R.6 W., Uintah meridian, Duchesne County, on right bank 150 ft (46 m) downstream from County Road bridge, 2,000 ft (610 m) upstream from maximum high-water line of Starvation Reservoir, and 7.5 miles (12.1 km) west of Duchesne.

DRAINAGE AREA.--770 sq mi (1,990 km^2), approximately (includes approximately 170 sq mi or 440 km^2 tributary to Strawberry Reservoir).

GAGE.--Water-stage recorder. Datum of gage is 5,722 ft (1,744 m) above mean sea level (Rabbit Gulch Quadrangle which gives bridge elevation).

EXTREMES.--Maximum discharge, 1,170 ft^3/s (33.1 m^3/s) May 9, 1969 (gage height, 5.65 ft or 1.72 m); maximum gage height, 5.68 ft (1.731 m) Feb. 3, 1970, backwater from ice; minimum daily discharge, 51 ft^3/s (1.44 m^3/s) Jan. 7, 1970.

REMARKS.--Several diversions above station for irrigation, including transmountain diversions to The Great Basin. Storage in Strawberry Reservoir began July 14, 1912; water diverted to reservoir from headwaters of Currant Creek through Currant Creek feeder canal since 1936. Diversions from reservoir through Strawberry tunnel to Spanish Fork drainage and from tributaries above reservoir through Hobble Creek ditch and Strawberry River and Willow Creek ditch to Provo River drainage.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1970	51.00	2	52.00	2	54.10	2	54.80	2	60.70	2	65.80	2	70.20	2	75.80	2	87.30	2	203.00	2
1971	40.00	1	41.00	1	42.10	1	43.40	1	47.40	1	60.00	1	60.30	1	64.90	1	70.90	1	116.00	1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1969	1070.0	1	1060.0	1	1050.0	1	985.0	1	843.0	1	637.0	1	512.0	1	422.0	1	319.0	1	207.0	1
1970	544.0	3	530.0	3	493.0	2	444.0	2	378.0	2	292.0	3	236.0	3	201.0	3	160.0	3	124.0	2
1971	566.0	2	547.0	2	480.0	3	411.0	3	374.0	3	299.0	2	255.0	2	218.0	2	172.0	2	121.0	3

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	1095	100.0	9	89.00	117	647	59.1	18	220.0	10	172	15.7	27	530	7	39	3.5
1	40.00	9	1095	100.0	10	98.00	114	530	48.4	19	240.0	21	162	14.8	28	590	4	32	2.9
2	44.00	12	1086	99.2	11	110.00	64	416	38.0	20	270.0	16	141	12.9	29	650	5	28	2.5
3	49.00	14	1074	98.1	12	120.00	48	352	32.1	21	290.0	23	125	11.4	30	720	5	23	2.1
4	54.00	26	1060	96.8	13	130.00	56	304	27.8	22	320.0	23	102	9.3	31	790	7	18	1.6
5	60.00	48	1034	94.4	14	150.00	13	248	22.6	23	360.0	14	79	7.2	32	880	1	11	1.0
6	66.00	80	986	90.0	15	160.00	22	235	21.5	24	400.0	11	65	5.9	33	970	10	10	.9
7	73.00	110	906	82.7	16	180.00	25	213	19.5	25	440.0	7	54	4.9	34	1100			
8	80.00	149	796	72.7	17	200.00	16	188	17.2	26	480.0	8	47	4.3					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1969	4 14 57 59 39 34 20 29 5 12 3 4 5 6 8 8 8 4 5 1 5 3 4 5 5 7 1 10	75400.0
1970	5 9 16 45 44 47 33 51 15 22 19 3 4 5 3 4 8 4 8 4 3 5 4 2 2	45184.0
1971	9 12 9 17 32 31 52 45 25 24 15 6 8 5 6 17 9 1 7 4 7 11 7 1 2 1 2	44198.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	0.114E+03	0.917E+02	0.876E+02	0.974E+02	0.889E+02	0.843E+02	0.325E+03	0.827E+03	0.335E+03	0.178E+03	0.130E+03	0.110E+03
1970	0.118E+03	0.101E+03	0.883E+02	0.625E+02	0.729E+02	0.798E+02	0.107E+03	0.357E+03	0.219E+03	0.108E+03	0.815E+02	0.864E+02
1971	0.848E+02	0.803E+02	0.656E+02	0.721E+02	0.485E+02	0.822E+02	0.173E+03	0.361E+03	0.220E+03	0.103E+03	0.822E+02	0.748E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT

BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)

0.1056E+03	0.9112E+02	0.8051E+02	0.7731E+02	0.7010E+02	0.8209E+02	0.2013E+03	0.5152E+03	0.2579E+03	0.1298E+03	0.9781E+02	0.9047E+02
0.3258E+03	0.1105E+03	0.1665E+03	0.3244E+03	0.4146E+03	0.5104E+01	0.1251E+05	0.7310E+05	0.4454E+04	0.1712E+04	0.7635E+03	0.3269E+03
0.1805E+02	0.1051E+02	0.1290E+02	0.1801E+02	0.2036E+02	0.2259E+01	0.1119E+03	0.2704E+03	0.6674E+02	0.4137E+02	0.2763E+02	0.1808E+02
-0.1658E+01	-0.2466E+00	-0.1727E+01	0.1194E+01	-0.6140E+00	-0.1711E+00	0.1078E+01	0.1732E+01	0.1731E+01	0.1704E+01	0.1731E+01	0.9610E+00
0.1709E+00	0.1154E+00	0.1603E+00	0.2330E+00	0.2905E+00	0.2753E+01	0.5556E+00	0.5247E+00	0.2587E+00	0.3187E+00	0.2825E+00	0.1998E+00
0.5868E+01	0.5064E+01	0.4474E+01	0.4297E+01	0.3896E+01	0.4561E+01	0.1119E+02	0.2864E+02	0.1434E+02	0.7215E+01	0.5436E+01	0.5028E+01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288180 Strawberry River near Duchesne, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.929	0.997	*	*	*	*	*	*	*	*	*
*	1.000	0.901	-0.221	*	*	*	*	*	*	*	*
*	*	1.000	0.225	0.909	*	*	*	*	*	*	*
*	*	*	1.000	0.610	0.959	*	*	*	*	*	*
*	*	*	*	1.000	0.361	0.586	*	*	*	*	*
*	*	*	*	*	1.000	0.967	0.853	*	*	*	*
*	*	*	*	*	*	1.000	0.958	0.958	*	*	*
*	*	*	*	*	*	*	1.000**********	*	0.998	*	*
*	*	*	*	*	*	*	*	1.000	0.998**********	*	*
*	*	*	*	*	*	*	*	*	1.000	0.997	0.965
*	*	*	*	*	*	*	*	*	*	1.000	0.942
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT******
SEPT-OCT******
SEPT-NOV******

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-1.000	-1.000	-1.000	-1.000	1.000	-1.000	-1.000	-1.000	-1.000	1.000	-1.000	1.000

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288500 Strawberry River at Duchesne, Utah

LOCATION.--Lat 40°09'40", long 110°24'40", in SW¼NE¼ sec.2, T.4 S., R.5 W., Uintah meridian, on right bank 0.8 mile (1.3 km) west of Duchesne and 1.5 miles (2.4 km) upstream from mouth.

DRAINAGE AREA.--950 sq mi (2,461 km^2), approximately (includes approximately 170 sq mi or 440 km^2 tributary to Strawberry Reservoir).

GAGE.--Water-stage recorder. Datum of gage is 5,512.4 ft (1,680.18 m) above mean sea level, adjustment of 1927. Prior to Oct. 26, 1948, chain or staff gages near present site at various datums. Oct. 26, 1948, to Aug. 12, 1952, water-stage recorder at site 60 ft (18 m) upstream at datum 1.99 ft (0.607 m) higher. Aug. 13, 1952, to Aug. 2, 1960, at same site at datum 0.70 ft (0.213 m) higher. Since Apr. 2, 1962, auxiliary water-stage recorder on left bank.

EXTREMES.--Maximum discharge, 3,490 ft^3/s (98.8 m^3/s) May 7, 1952 (gage height, 5,34 ft or 1.628 m, datum then in use); maximum gage height, 5.49 ft (1.673 m) Mar. 11, 1966 (backwater from ice); minimum discharge observed, 1 ft^3/s (0.03 m^3/s) for several days in July 1931.

REMARKS.--Several diversions above station for irrigation, including transmountain diversions to The Great Basin. Storage in Strawberry Reservoir began July 14, 1912; water diverted to reservoir from headwaters of Currant Creek through Currant Creek feeder canal since 1936. Diversions from reservoir through Strawberry tunnel to Spanish Fork drainage and from tributaries above reservoir through Hobble Creek ditch and Strawberry River and Willow Creek ditch to Provo River drainage.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1942	51.00 17	51.30 16	51.90 14	55.60 17	59.60 17	67.90 20	86.60 23	93.60 24	92.10 22	169.00 20
1943	35.00 10	43.30 14	52.90 15	53.90 14	56.40 14	59.80 15	62.90 13	65.50 12	68.10 13	137.00 16
1944	41.00 14	41.70 12	42.90 10	45.40 10	49.80 10	58.00 12	67.70 17	70.30 16	68.50 14	141.00 17
1945	62.00 22	62.30 22	63.30 22	63.90 21	64.60 21	67.30 19	73.30 18	77.60 20	79.30 20	164.00 18
1946	52.00 18	52.70 17	53.90 16	55.20 16	57.70 16	59.60 14	64.00 14	66.00 13	67.40 12	115.00 12
1947	41.00 15	41.00 11	44.00 12	46.40 12	51.70 11	59.00 13	61.70 11	64.20 11	68.60 15	114.00 11
1948	53.00 19	54.70 19	56.00 19	57.10 19	64.10 20	65.10 17	66.50 16	68.90 15	68.90 16	129.00 14
1949	20.00 4	20.30 4	22.60 4	24.40 4	26.60 4	28.90 4	34.10 4	39.70 4	45.80 4	85.20 6
1950	55.00 20	55.00 20	55.00 17	55.00 15	57.50 15	59.90 16	65.20 15	73.10 17	77.50 18	195.00 23
1951	62.00 23	67.00 24	67.90 24	70.40 23	77.50 24	85.50 24	87.10 24	89.50 23	89.40 21	183.00 21
1952	50.00 16	53.00 18	55.30 18	56.60 18	62.50 19	71.50 21	76.20 20	76.90 19	78.80 19	137.00 15
1953	95.00 25	95.00 25	95.00 25	95.00 25	95.30 25	97.70 25	101.00 25	104.00 25	120.00 25	422.00 25
1954	58.00 21	58.30 21	59.10 21	59.90 20	60.90 18	66.10 18	73.40 19	75.70 18	76.70 17	106.00 7
1955	30.00 6	30.00 6	31.70 6	37.10 8	48.80 9	56.60 10	57.70 10	59.20 9	64.10 8	80.00 4
1956	40.00 12	40.70 10	43.10 11	46.20 11	51.90 12	54.00 9	55.60 9	59.30 10	67.00 10	108.00 8
1957	31.00 7	32.00 7	32.60 7	35.10 6	36.80 5	44.40 6	51.40 7	56.80 7	65.80 9	122.00 13
1960	13.00 3	13.00 3	14.40 3	14.70 3	20.60 3	25.00 3	29.70 3	32.90 3	39.10 3	49.40 2
1961	6.60 2	7.80 2	8.97 2	9.79 2	10.50 2	15.60 2	17.40 2	21.40 2	30.70 1	50.40 3
1962	2.10 1	2.37 1	2.59 1	3.49 1	5.90 1	8.91 1	13.20 1	20.90 1	33.40 2	48.90 1
1963	35.00 11	35.00 9	35.00 9	37.50 9	38.00 7	48.10 8	53.70 8	57.00 8	63.70 7	165.00 19
1964	22.00 5	23.30 5	24.40 5	30.40 5	37.50 6	41.00 5	44.00 5	46.90 5	50.70 5	84.20 5
1965	32.00 8	32.00 8	33.70 8	36.30 7	44.40 8	47.20 7	50.80 6	51.60 6	53.80 6	111.00 9
1966	65.00 24	65.70 23	66.90 23	70.90 24	73.70 22	74.30 22	77.50 21	85.90 22	96.10 24	205.00 24
1967	35.00 9	42.30 13	44.30 13	50.30 13	52.70 13	57.20 11	61.90 12	66.60 14	67.20 11	111.00 10
1968	41.00 13	50.00 15	57.90 20	68.40 22	76.60 23	80.40 23	82.20 22	85.80 21	93.10 23	183.00 22

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	1190.0 2	1130.0 3	1020.0 3	831.0 4	658.0 8	505.0 8	387.0 8	323.0 8	240.0 9	147.0 11
1942	560.0 16	515.0 17	492.0 17	445.0 17	407.0 16	387.0 12	321.0 12	268.0 12	208.0 12	148.0 10
1943	840.0 9	828.0 9	748.0 9	719.0 9	571.0 10	409.0 11	327.0 11	271.0 11	215.0 11	142.0 12
1944	1040.0 4	1010.0 4	926.0 5	805.0 6	698.0 5	509.0 7	398.0 7	332.0 7	247.0 8	159.0 8
1945	508.0 18	486.0 19	482.0 18	432.0 18	334.0 18	264.0 19	215.0 19	197.0 18	161.0 17	122.0 18
1946	546.0 17	526.0 16	516.0 16	474.0 15	399.0 17	286.0 17	226.0 18	194.0 19	152.0 19	108.0 19
1947	755.0 12	729.0 12	710.0 11	614.0 12	488.0 12	366.0 13	292.0 13	250.0 13	195.0 13	135.0 14
1948	428.0 21	409.0 20	379.0 20	323.0 21	277.0 21	214.0 21	182.0 21	158.0 22	126.0 22	89.9 23
1949	1020.0 5	974.0 6	908.0 6	833.0 3	784.0 2	646.0 2	514.0 2	423.0 2	312.0 3	185.0 3
1950	863.0 7	852.0 7	835.0 7	792.0 7	667.0 6	560.0 5	446.0 5	372.0 5	279.0 4	180.0 4
1951	690.0 14	674.0 14	644.0 14	577.0 14	463.0 14	345.0 14	283.0 14	246.0 14	194.0 14	140.0 13
1952	3420.0 1	3260.0 1	2990.0 1	2680.0 1	2180.0 1	1610.0 1	1210.0 1	981.0 1	722.0 1	403.0 1
1953	308.0 25	298.0 23	290.0 23	276.0 23	237.0 23	203.0 22	175.0 22	160.0 21	139.0 20	124.0 15
1954	429.0 20	233.0 24	186.0 25	181.0 24	176.0 24	151.0 24	132.0 24	121.0 24	106.0 24	89.2 24
1955	501.0 19	494.0 18	477.0 19	400.0 19	317.0 19	243.0 20	197.0 20	165.0 20	136.0 21	99.7 21
1956	569.0 15	561.0 15	532.0 15	458.0 16	431.0 15	344.0 15	272.0 15	236.0 15	184.0 15	122.0 16
1957	721.0 13	714.0 13	694.0 12	635.0 11	547.0 11	447.0 10	345.0 10	287.0 10	221.0 10	149.0 9
1959	162.0 27	105.0 27	97.1 27	88.9 27	82.5 26	81.7 26	78.8 26	74.0 26	68.3 26	55.7 25
1960	230.0 26	224.0 25	205.0 24	174.0 25	138.0 25	114.0 25	99.7 25	86.5 25	71.9 25	52.4 26
1961	415.0 23	190.0 26	108.0 26	91.3 26	68.7 27	61.2 27	56.0 27	52.6 27	50.1 27	41.3 27
1962	1020.0 6	1010.0 5	964.0 4	820.0 5	738.0 4	564.0 4	466.0 4	379.0 4	275.0 5	161.0 7
1963	368.0 24	362.0 22	342.0 22	316.0 22	267.0 22	197.0 23	166.0 23	139.0 23	120.0 23	93.3 22
1964	774.0 11	744.0 11	689.0 13	606.0 13	471.0 13	334.0 16	266.0 16	220.0 16	163.0 16	106.0 20
1965	1180.0 3	1130.0 2	1020.0 2	874.0 2	747.0 3	607.0 3	489.0 3	412.0 3	313.0 2	187.0 2
1966	422.0 22	408.0 21	374.0 21	334.0 20	312.0 20	274.0 18	231.0 17	202.0 17	159.0 18	122.0 17
1967	854.0 8	838.0 8	793.0 8	725.0 8	662.0 7	524.0 6	419.0 6	353.0 6	272.0 6	174.0 5
1968	791.0 10	764.0 10	718.0 10	688.0 10	611.0 9	476.0 9	374.0 9	319.0 9	253.0 7	172.0 6

09288500 Strawberry River at Duchesne, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9862	100.0	9	7.10	21	9834	99.7	18	65.0	2020	6988	70.9	27	590	176	312	3.1
1	1.00	0	9862	100.0	10	9.10	24	9813	99.5	19	83.0	1936	4968	50.4	28	750	74	136	1.3
2	1.30	0	9862	100.0	11	12.00	22	9789	99.3	20	110.0	841	3032	30.7	29	960	21	62	.6
3	1.60	0	9862	100.0	12	15.00	58	9767	99.0	21	140.0	455	2191	22.2	30	1200	15	41	.4
4	2.10	3	9862	100.0	13	19.00	57	9709	98.4	22	170.0	405	1736	17.6	31	1600	10	26	.2
5	2.70	5	9859	100.0	14	24.00	105	9652	97.9	23	220.0	327	1331	13.5	32	2000	10	16	.1
6	3.40	5	9854	99.9	15	31.00	219	9547	96.8	24	280.0	277	1004	10.2	33	2600	5	6	.0
7	4.40	2	9849	99.9	16	40.00	917	9328	94.6	25	360.0	221	727	7.4	34	3300	1	1	.0
8	5.60	13	9847	99.8	17	51.00	1423	8411	85.3	26	460.0	194	506	5.1					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1941	84 95 34 45 25 14 8 9 6 13 16 7 4 5	53628.0
1942	2 43 41121 62 15 12 17 17 19 16	54116.0
1943	1 15 40125 62 31 18 15 21 11 5 4 10 7	51915.0
1944	2 68121 52 20 23 17 16 7 8 10 13 6 3	58094.0
1945	18 88160 33 9 20 12 11 4 10	44434.0
1946	32 88118 50 22 6 16 5 10 8 10	39429.0
1947	1 25155 57 45 13 19 15 13 8 5 8 1	49127.0
1948	4 36 30 11 21153 39 18 13 16 15 5 5	32899.0
1949	3 54 70 67 32 25 15 17 14 11 10 10 19 17 1	67667.0
1950	46 56111 42 15 22 9 11 15 14 14 10	65637.0
1951	21 37192 32 4 23 23 11 10 2 10	51178.0
1952	1 5 88 81 1 11 24 39 36 11 10 9 5 4 15 10 10 5 1	147621.0
1953	30 18110 93 75 17 13 9	45327.0
1954	3 6 9 61122102 23 18 20 1	32567.0
1955	16146 88 33 22 12 20 15 4 3 6	36399.0
1956	23 45 82 36 61 32 27 8 10 17 14 11	44599.0
1957	4 25 74144 43 14 7 7 5 13 15 14	54483.0
1959	6 17 19 22 27 35 95115 26 2 1	20344.0
1960	2 7 13 6 31 20 12 14131 45 27 36 10 4 6 2	19185.5
1961	3 5 5 2 11 14 11 10 10 13 8 17162 69 16 6 1 1 1	15080.4
1962	13 35 97 55 39 15 8 12 7 13 12 25 8 14 8 4	58593.0
1963	1 11 24 57 20102 78 19 18 11 8 14 2	34039.0
1964	38109 77 36 22 15 15 17 8 9 6 5 8 1	38882.0
1965	33 96 51 18 38 19 27 14 9 15 17 18 6 4	68173.0
1966	16 20114 72 61 14 19 18 27 4	44399.0
1967	1 58 68 70 48 34 12 15 15 7 13 17 7	63464.0
1968	1 4 31141 70 35 25 9 7 14 12 15 2	62987.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.508E+02	0.529E+02	0.556E+02	0.450E+02	0.550E+02	0.762E+02	0.123E+03	0.648E+03	0.337E+03	0.140E+03	0.108E+03	0.619E+02
1942	0.104E+03	0.123E+03	0.993E+02	0.850E+02	0.864E+02	0.107E+03	0.344E+03	0.397E+03	0.210E+03	0.998E+02	0.624E+02	0.596E+02
1943	0.671E+02	0.801E+02	0.742E+02	0.661E+02	0.927E+02	0.963E+02	0.382E+03	0.372E+03	0.219E+03	0.960E+02	0.110E+03	0.517E+02
1944	0.774E+02	0.771E+02	0.749E+02	0.600E+02	0.700E+02	0.996E+02	0.166E+03	0.643E+03	0.360E+03	0.137E+03	0.702E+02	0.650E+02
1945	0.851E+02	0.909E+02	0.794E+02	0.852E+02	0.918E+02	0.929E+02	0.102E+03	0.328E+03	0.192E+03	0.108E+03	0.136E+03	0.667E+02
1946	0.713E+02	0.728E+02	0.602E+02	0.600E+02	0.750E+02	0.103E+03	0.279E+03	0.279E+03	0.105E+03	0.710E+02	0.674E+02	0.522E+02
1947	0.695E+02	0.811E+02	0.755E+02	0.668E+02	0.107E+03	0.119E+03	0.206E+03	0.480E+03	0.176E+03	0.785E+02	0.837E+02	0.683E+02
1948	0.682E+02	0.746E+02	0.691E+02	0.650E+02	0.694E+02	0.106E+03	0.124E+03	0.274E+03	0.118E+03	0.506E+02	0.295E+02	0.292E+02
1949	0.528E+02	0.616E+02	0.560E+02	0.500E+02	0.564E+02	0.117E+03	0.374E+03	0.763E+03	0.366E+03	0.161E+03	0.867E+02	0.723E+02
1950	0.102E+03	0.972E+02	0.697E+02	0.600E+02	0.659E+02	0.112E+03	0.340E+03	0.604E+03	0.373E+03	0.153E+03	0.884E+02	0.884E+02
1951	0.908E+02	0.977E+02	0.910E+02	0.840E+02	0.917E+02	0.916E+02	0.172E+03	0.415E+03	0.246E+03	0.111E+03	0.124E+03	0.634E+02
1952	0.840E+02	0.816E+02	0.785E+02	0.800E+02	0.850E+02	0.976E+02	0.565E+03	0.215E+04	0.827E+03	0.305E+03	0.264E+03	0.200E+03
1953	0.163E+03	0.132E+03	0.110E+03	0.100E+03	0.950E+02	0.114E+03	0.141E+03	0.181E+03	0.199E+03	0.948E+02	0.977E+02	0.611E+02
1954	0.774E+02	0.861E+02	0.797E+02	0.750E+02	0.849E+02	0.932E+02	0.148E+03	0.150E+03	0.771E+02	0.619E+02	0.552E+02	0.829E+02
1955	0.726E+02	0.728E+02	0.630E+02	0.580E+02	0.550E+02	0.626E+02	0.138E+03	0.313E+03	0.131E+03	0.650E+02	0.104E+03	0.567E+02
1956	0.520E+02	0.596E+02	0.770E+02	0.764E+02	0.914E+02	0.124E+03	0.198E+03	0.425E+03	0.179E+03	0.811E+02	0.567E+02	0.392E+02
1957	0.625E+02	0.715E+02	0.844E+02	0.850E+02	0.846E+02	0.900E+02	0.104E+03	0.429E+03	0.454E+03	0.140E+03	0.105E+03	0.781E+02
1959	0.612E+02	0.654E+02	0.619E+02	0.526E+02	0.609E+02	0.740E+02	0.811E+02	0.784E+02	0.415E+02	0.293E+02	0.319E+02	0.312E+02
1960	0.529E+02	0.510E+02	0.442E+02	0.442E+02	0.450E+02	0.626E+02	0.896E+02	0.136E+03	0.499E+02	0.198E+02	0.121E+02	0.213E+02
1961	0.426E+02	0.496E+02	0.436E+02	0.400E+02	0.450E+02	0.552E+02	0.665E+02	0.430E+02	0.132E+02	0.589E+01	0.251E+02	0.675E+02
1962	0.472E+02	0.497E+02	0.390E+02	0.361E+02	0.789E+02	0.117E+03	0.454E+03	0.638E+03	0.253E+03	0.101E+03	0.549E+02	0.549E+02
1963	0.997E+02	0.759E+02	0.572E+02	0.402E+02	0.803E+02	0.657E+02	0.101E+03	0.263E+03	0.117E+03	0.396E+02	0.970E+02	0.812E+02
1964	0.519E+02	0.659E+02	0.424E+02	0.402E+02	0.500E+02	0.597E+02	0.118E+03	0.426E+03	0.228E+03	0.854E+02	0.585E+02	0.454E+02
1965	0.510E+02	0.604E+02	0.535E+02	0.594E+02	0.607E+02	0.750E+02	0.172E+03	0.672E+03	0.527E+03	0.218E+03	0.158E+03	0.127E+03
1966	0.109E+03	0.114E+03	0.861E+02	0.741E+02	0.777E+02	0.122E+03	0.261E+03	0.284E+03	0.129E+03	0.736E+02	0.545E+02	0.737E+02
1967	0.814E+02	0.776E+02	0.623E+02	0.574E+02	0.710E+02	0.100E+03	0.128E+03	0.449E+03	0.559E+03	0.234E+03	0.143E+03	0.118E+03
1968	0.101E+03	0.929E+02	0.785E+02	0.834E+02	0.906E+02	0.114E+03	0.141E+03	0.506E+03	0.436E+03	0.159E+03	0.157E+03	0.103E+03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288500 Strawberry River at Duchesne, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.7587E+02	0.7832E+02	0.6912E+02	0.6404E+02	0.7472E+02	0.9435E+02	0.2045E+03	0.4574E+03	0.2564E+03	0.1081E+03	0.9038E+02	0.7114E+02
0.6820E+03	0.4516E+03	0.3069E+03	0.2989E+03	0.2854E+03	0.4436E+03	0.1629E+05	0.1509E+06	0.3467E+05	0.4554E+04	0.2747E+04	0.1262E+04
0.2612E+02	0.2125E+02	0.1752E+02	0.1729E+02	0.1689E+02	0.2106E+02	0.1276E+03	0.3885E+03	0.1862E+03	0.6748E+02	0.5242E+02	0.3552E+02
0.1444E+01	0.8716E+00	0.2257E+00	0.1237E+00	-0.2034E+00	-0.4430E+00	0.1326E+01	0.3336E+01	0.1271E+01	0.1121E+01	0.1348E+01	0.1974E+01
0.3442E+00	0.2713E+00	0.2534E+00	0.2700E+00	0.2261E+00	0.2232E+00	0.6241E+00	0.8493E+00	0.7263E+00	0.6244E+00	0.5799E+00	0.4993E+00
0.4614E+01	0.4763E+01	0.4204E+01	0.3894E+01	0.4544E+01	0.5738E+01	0.1244E+02	0.2782E+02	0.1559E+02	0.6573E+01	0.5497E+01	0.4327E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.920	0.762	*	*	*	*	*	*	*	*	*
*	1.000	0.865	0.759	*	*	*	*	*	*	*	*
*	*	1.000	0.937	0.730	*	*	*	*	*	*	*
*	*	*	1.000	0.727	0.504	*	*	*	*	*	*
*	*	*	*	1.000	0.641	0.255	*	*	*	*	*
*	*	*	*	*	1.000	0.509	0.208	*	*	*	*
*	*	*	*	*	*	1.000	0.691	0.446	*	*	*
*	*	*	*	*	*	*	1.000	0.833	0.813	*	*
*	*	*	*	*	*	*	*	1.000	0.979	0.836	*
*	*	*	*	*	*	*	*	*	1.000	0.849	0.836
*	*	*	*	*	*	*	*	*	*	1.000	0.857
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.778
SEPT-OCT 0.803
SEPT-NOV 0.717

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.089	0.134	0.363	0.417	0.163	0.158	-0.063	-0.086	0.041	0.124	0.152	0.003

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288900 Sowers Creek near Duchesne, Utah

LOCATION.--Lat 39°59'22", long 110°27'33", in SW¼SW¼NW¼ sec.4, T.6 S., R.5 W., Uintah meridian, Duchesne County, Ashley National Forest, on left bank 0.3 mile (0.5 km) upstream from Ashley National Forest boundary, 5 miles (8 km) upstream from mouth of Tabby Canyon, and 12 miles (19 km) south of Duchesne.

DRAINAGE AREA.--43 sq mi (111 km^2), approximately.

GAGE.--Water-stage recorder and Parshall flume. Altitude of gage is 6,800 ft (2,073 m) from topographic map.

EXTREMES.--Maximum discharge, 202 ft^3/s (5.72 m^3/s) Aug. 3, 1966 (gage height, 5.41 ft or 1.648 m), from rating curve extended above 35 ft^3/s (0.99 m^3/s); no flow for part of winter period 1964, 1965.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1966	1.30	5	1.90	7	2.03	7	2.15	7	3.48	7	3.62	7	3.93	7	4.29	7	5.06	7	9.30	7
1967	0.60	3	0.60	3	0.63	3	0.70	3	0.86	3	1.07	3	1.11	3	1.34	3	1.84	3	3.97	4
1968	0.70	4	0.70	4	0.80	4	0.96	4	1.16	4	1.32	4	1.43	4	1.55	4	1.84	4	2.75	3
1969	1.70	7	1.70	6	1.77	6	1.83	6	1.87	6	1.99	5	2.20	5	2.30	5	2.73	5	4.70	5
1970	1.40	6	1.47	5	1.54	5	1.57	5	1.69	5	2.00	6	2.29	6	2.42	6	2.94	6	7.06	6
1971	0.42	1	0.43	1	0.44	1	0.45	1	0.49	1	0.56	1	0.66	1	0.66	1	0.77	1	1.30	2
1972	0.51	2	0.56	2	0.59	2	0.61	2	0.72	2	0.86	2	0.91	2	0.92	2	0.94	2	1.16	1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1965	32.0	1	31.3	1	30.3	1	28.8	1	25.9	1	21.2	1	18.7	1	17.1	1	13.5	1	6.9	2
1966	13.0	4	9.3	4	8.7	4	8.5	4	8.3	4	8.1	4	7.6	4	7.1	4	6.3	4	5.6	3
1967	6.6	6	5.6	5	5.4	5	5.0	5	4.8	5	4.8	5	4.5	5	4.3	5	3.7	5	2.8	5
1968	15.0	3	12.3	3	11.1	3	10.7	3	10.7	3	9.6	3	8.7	3	8.1	3	6.6	3	4.2	4
1969	26.0	2	25.3	2	24.9	2	23.8	2	21.5	2	18.6	2	15.9	2	13.9	2	11.2	2	7.0	1
1970	4.8	7	4.8	7	4.5	6	4.3	6	4.3	6	4.0	6	3.3	6	3.0	6	2.9	6	2.4	6
1971	2.5	8	2.1	8	1.7	8	1.6	8	1.6	8	1.5	8	1.4	8	1.3	8	1.2	8	1.0	8
1972	8.7	5	5.4	6	3.3	7	2.3	7	1.9	7	1.8	7	1.8	7	1.8	7	1.7	7	1.4	7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	40	2922	100.0	9	1.00	50	2420	82.8	18	4.6	111	740	25.3	27	22	21	40	1.3
1	0.10	80	2882	98.6	10	1.10	270	2370	81.1	19	5.5	111	629	21.5	28	26	16	19	.6
2	0.20	0	2802	95.9	11	1.40	145	2100	71.9	20	6.5	121	518	17.7	29	31	3	3	.1
3	0.30	14	2802	95.9	12	1.60	250	1955	66.9	21	7.7	134	397	13.6	30				
4	0.40	36	2788	95.4	13	1.90	201	1705	58.4	22	9.2	58	263	9.0	31				
5	0.50	40	2752	94.2	14	2.30	191	1504	51.5	23	11.0	39	205	7.0	32				
6	0.60	88	2712	92.8	15	2.70	205	1313	44.9	24	13.0	50	166	5.7	33				
7	0.70	43	2624	89.8	16	3.20	164	1108	37.9	25	15.0	43	116	4.0	34				
8	0.80	161	2581	88.3	17	3.90	204	944	32.3	26	18.0	33	73	2.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1965	40 80 14 19 11 12 1 1 10 6 3 3 2 1 1 30 16 17 35 23 15 7 15 3	2527.9
1966	13 66 65 45 49 63 58 5 1	2031.7
1967	5 5 6 19 42 14 9 29 45 70 38 47 30 5 1	1003.8
1968	3 3 6 28 16 39 37 44 21 10 32 14 22 29 22 23 15 1 1	1547.9
1969	8 51 36 41 29 15 14 34 28 23 14 7 13 19 18 14 1	2549.9
1970	9 1 42 18 67 49 56 56 18 43 6	865.3
1971	17 23 62 14 85 10 98 20 33 2 1	362.2
1972	6 9 21 58 14 59 77 93 23 3 1 1 1	499.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.465E+00	0.237E+00	0.516E-01	0.194E-01	0.100E+00	0.729E+00	0.446E+01	0.220E+02	0.202E+02	0.135E+02	0.118E+02	0.903E+01
1966	0.690E+01	0.612E+01	0.485E+01	0.359E+01	0.370E+01	0.498E+01	0.671E+01	0.812E+01	0.789E+01	0.514E+01	0.509E+01	0.360E+01
1967	0.291E+01	0.245E+01	0.119E+01	0.121E+01	0.119E+01	0.201E+01	0.231E+01	0.301E+01	0.451E+01	0.447E+01	0.436E+01	0.327E+01
1968	0.250E+01	0.200E+01	0.166E+01	0.114E+01	0.158E+01	0.209E+01	0.368E+01	0.102E+02	0.881E+01	0.703E+01	0.585E+01	0.401E+01
1969	0.383E+01	0.311E+01	0.207E+01	0.202E+01	0.255E+01	0.307E+01	0.955E+01	0.214E+02	0.144E+02	0.904E+01	0.663E+01	0.587E+01
1970	0.425E+01	0.360E+01	0.197E+01	0.206E+01	0.291E+01	0.279E+01	0.270E+01	0.191E+01	0.225E+01	0.154E+01	0.140E+01	0.112E+01
1971	0.108E+01	0.891E+00	0.541E+00	0.698E+00	0.755E+00	0.662E+00	0.124E+01	0.151E+01	0.129E+01	0.121E+01	0.114E+01	0.875E+00

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09288900 Sowers Creek near Duchesne, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.3132E+01	0.2631E+01	0.1762E+01	0.1539E+01	0.1827E+01	0.2334E+01	0.4379E+01	0.9747E+01	0.8475E+01	0.5994E+01	0.5186E+01	0.3969E+01
0.4616E+01	0.3757E+01	0.2405E+01	0.1325E+01	0.1638E+01	0.2215E+01	0.8265E+01	0.7746E+02	0.4638E+02	0.1878E+02	0.1303E+02	0.7928E+01
0.2148E+01	0.1938E+01	0.1551E+01	0.1151E+01	0.1280E+01	0.1488E+01	0.2875E+01	0.8801E+01	0.6810E+01	0.4333E+01	0.3610E+01	0.2816E+01
0.6396E+00	0.7770E+00	0.1407E+01	0.7113E+00	0.1790E+00	0.7213E+00	0.1042E+01	0.7165E+00	0.8365E+00	0.7265E+00	0.8751E+00	0.8756E+00
0.6860E+00	0.7366E+00	0.8799E+00	0.7478E+00	0.7006E+00	0.6377E+00	0.6566E+00	0.9029E+00	0.8036E+00	0.7229E+00	0.6961E+00	0.7094E+00
0.6143E+01	0.5162E+01	0.3458E+01	0.3020E+01	0.3584E+01	0.4578E+01	0.8590E+01	0.1912E+02	0.1663E+02	0.1176E+02	0.1017E+02	0.7786E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.999	0.967	*	*	*	*	*	*	*	*	*
*	1.000	0.971	0.991	*	*	*	*	*	*	*	*
*	*	1.000	0.974	0.915	*	*	*	*	*	*	*
*	*	*	1.000	0.971	0.978	*	*	*	*	*	*
*	*	*	*	1.000	0.947	0.500	*	*	*	*	*
*	*	*	*	*	1.000	0.590	-0.040	*	*	*	*
*	*	*	*	*	*	1.000	0.726	0.606	*	*	*
*	*	*	*	*	*	*	1.000	0.969	0.937	*	*
*	*	*	*	*	*	*	*	1.000	0.988	0.966	*
*	*	*	*	*	*	*	*	*	1.000	0.987	0.994
*	*	*	*	*	*	*	*	*	*	1.000	0.990
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.994

SEPT-OCT 0.987

SEPT-NOV 0.989

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.647	-0.639	-0.649	-0.694	-0.701	-0.598	-0.234	-0.050	0.112	0.161	0.358	0.174

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09289500 Lake Fork River above Moon Lake, near Mountain Home, Utah

LOCATION.--Lat 40°36'24", 110°31'35". In SW¼SE¼SE¼ sec.35, T.3 N., R.6 W., Uintah meridian, Duchesne County, Ashley National Forest on right bank 2,000 ft (610 m) upstream from head of Moon Lake at maximum stage, 2 miles (3 km) upstream from Brown Duck Creek, and 16 miles (26 km) northeast of Mountain Home.

DRAINAGE AREA.--78 sq mi (202 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 8,180 ft (2,493 m) from topographic map. April 1933 to September 1934, at site 2.5 miles (4.0 km) upstream at different datum. July 13, 1942, to July 26, 1949, at datum 1 ft (0.305 m) higher.

EXTREMES.--Maximum discharge, 2,700 ft^3/s (76.5 m^3/s) June 26, 1944 (gage height, 5.27 ft or 1.637 m, present datum), from rating curve extended above 700 ft^3/s (19.8 m^3/s); minimum daily recorded, 13 ft^3/s (0.37 m^3/s) Apr. 14, 1933.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1944	25.00	19	25.00	19	25.00	19	25.00	17	25.00	16	25.00	14	25.70	15	26.70	14	30.80	12	114.00	10
1945	24.00	17	24.00	17	24.00	16	24.00	15	24.00	14	24.50	13	24.70	13	26.00	12	31.50	13	134.00	15
1946	23.00	13	23.00	13	23.00	12	23.00	12	23.00	8	23.50	11	24.30	12	25.30	9	29.80	8	105.00	7
1947	24.00	18	24.00	18	24.00	17	26.00	19	26.10	18	26.60	18	27.00	17	28.50	17	32.30	14	86.00	3
1948	23.00	14	23.00	14	23.00	13	23.00	13	23.00	9	23.00	7	23.70	7	25.00	6	30.00	10	122.00	13
1949	20.00	7	21.30	8	22.30	9	22.90	10	23.00	10	23.00	8	23.70	8	24.50	4	26.80	4	76.20	2
1950	23.00	15	23.30	16	25.00	18	25.00	16	25.00	17	25.60	16	26.50	16	27.50	16	32.50	15	130.00	14
1951	21.00	9	23.00	15	23.00	14	23.00	11	23.00	11	23.50	9	24.20	10	25.00	7	28.50	5	120.00	11
1952	22.00	10	22.00	9	22.00	8	22.00	8	22.00	6	23.50	10	24.00	9	25.40	10	30.50	11	110.00	8
1953	16.00	2	16.00	2	16.00	2	16.00	2	16.30	1	17.00	1	18.00	1	19.10	1	25.40	2	148.00	18
1954	14.00	1	14.00	1	14.00	1	14.00	1	23.80	13	25.50	15	25.70	14	26.40	13	28.80	6	89.50	4
1955	20.00	8	20.00	7	20.00	6	20.00	6	20.00	4	20.10	3	21.00	3	21.90	2	25.50	3	71.10	1
1965	17.00	3	17.00	3	17.00	3	17.00	3	17.00	2	18.60	2	20.40	2	22.10	3	25.30	1	114.00	9
1966	19.00	5	19.00	5	19.00	5	19.00	4	19.80	3	21.70	4	23.50	5	26.90	15	39.30	19	170.00	19
1967	22.00	11	22.70	11	22.90	11	23.40	14	24.10	15	25.90	17	27.60	18	29.10	18	36.00	18	95.30	5
1968	20.00	6	20.00	6	20.30	7	20.90	7	22.00	7	22.40	6	23.50	6	25.70	11	32.80	16	140.00	16
1969	23.00	16	23.00	12	23.90	15	25.30	18	26.70	19	27.80	19	29.70	19	30.80	19	35.90	17	147.00	17
1970	22.00	12	22.00	10	22.60	10	22.90	9	23.60	12	24.30	12	24.30	11	25.10	8	29.40	7	120.00	12
1971	18.00	4	18.70	4	18.90	4	19.60	5	20.50	5	22.30	5	23.40	4	24.70	5	29.90	9	101.00	6

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1943	717.0	19	667.0	19	604.0	18	501.0	17	425.0	17	370.0	14	318.0	13	269.0	12	197.0	12	116.0	12
1944	1610.0	2	1230.0	6	1050.0	6	910.0	6	720.0	7	561.0	5	427.0	5	340.0	5	236.0	5	133.0	5
1945	807.0	16	786.0	13	698.0	13	554.0	15	432.0	16	341.0	16	290.0	14	248.0	14	180.0	14	106.0	14
1946	865.0	13	772.0	14	656.0	15	495.0	18	358.0	20	294.0	18	235.0	18	191.0	18	139.0	18	84.7	18
1947	828.0	14	702.0	17	614.0	17	512.0	16	493.0	13	432.0	12	358.0	10	296.0	8	214.0	8	124.0	8
1948	761.0	17	734.0	15	683.0	14	611.0	12	475.0	15	294.0	19	216.0	19	174.0	20	125.0	20	77.7	19
1949	1710.0	1	1360.0	3	1270.0	3	1060.0	3	736.0	5	520.0	7	400.0	7	324.0	6	228.0	7	128.0	7
1950	928.0	11	850.0	12	802.0	11	732.0	10	675.0	8	488.0	8	366.0	8	293.0	9	210.0	9	122.0	10
1951	1110.0	9	1000.0	9	874.0	9	684.0	11	573.0	10	433.0	11	329.0	12	266.0	13	189.0	13	109.0	13
1952	1320.0	7	1200.0	7	1150.0	4	979.0	4	755.0	4	566.0	4	454.0	3	376.0	2	270.0	2	150.0	2
1953	1520.0	5	1360.0	4	1110.0	5	808.0	8	540.0	12	348.0	15	266.0	16	212.0	16	150.0	17	87.8	17
1954	626.0	20	582.0	20	526.0	20	445.0	19	331.0	21	238.0	21	189.0	21	157.0	21	117.0	21	72.8	21
1955	826.0	15	718.0	16	587.0	19	439.0	20	372.0	18	278.0	20	213.0	20	176.0	19	127.0	19	76.4	20
1964	922.0	12	858.0	11	780.0	12	595.0	14	562.0	11	485.0	9	365.0	9	292.0	10	203.0	11	119.0	11
1965	1410.0	6	1320.0	5	1040.0	7	842.0	7	820.0	2	646.0	1	506.0	1	422.0	1	300.0	1	163.0	1
1966	543.0	21	508.0	21	485.0	21	429.0	21	370.0	19	303.0	17	239.0	17	202.0	17	155.0	16	96.9	16
1967	1120.0	8	1050.0	8	994.0	8	941.0	5	727.0	6	577.0	3	441.0	4	355.0	4	248.0	4	142.0	4
1968	1560.0	3	1440.0	2	1330.0	2	1140.0	2	918.0	1	602.0	2	457.0	2	368.0	3	259.0	3	146.0	3
1969	981.0	10	939.0	10	851.0	10	787.0	9	630.0	9	451.0	10	350.0	11	287.0	11	210.0	10	123.0	9
1970	721.0	18	692.0	18	637.0	16	603.0	13	489.0	14	380.0	13	289.0	15	238.0	15	172.0	15	101.0	15
1971	1520.0	4	1460.0	1	1380.0	1	1150.0	1	816.0	3	533.0	6	401.0	6	324.0	7	232.0	6	131.0	6

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	7670	100.0	9	44.00	469	3592	46.8	18	160.0	182	1408	18.4	27	590	70	273	3.5
1	14.00	19	7670	100.0	10	51.00	321	3123	40.7	19	190.0	141	1226	16.0	28	680	54	203	2.6
2	16.00	87	7651	99.8	11	59.00	257	2802	36.5	20	220.0	112	1085	14.1	29	780	64	149	1.9
3	19.00	236	7564	98.6	12	68.00	255	2545	33.2	21	250.0	143	973	12.7	30	910	29	85	1.1
4	22.00	735	7328	95.5	13	79.00	190	2290	29.9	22	290.0	118	830	10.8	31	1000	28	56	.7
5	25.00	1215	6593	86.0	14	91.00	112	2100	27.4	23	330.0	118	712	9.3	32	1200	18	28	.3
6	29.00	622	5378	70.1	15	100.00	249	1988	25.9	24	380.0	127	594	7.7	33	1400	8	10	.1
7	33.00	599	4756	62.0	16	120.00	179	1739	22.7	25	440.0	100	467	6.1	34	1600	2	2	.0
8	38.00	565	4157	54.2	17	140.00	152	1560	20.3	26	510.0	94	367	4.8					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09289500 Lake Fork River above Moon Lake, near Mountain Home, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS																											FT^3/S DAYS
1943				82	17	35	25	45	16	8	7	9	3	10	9	11	16	10	17	7	5	7	7	6	4	7	2	42207.0
1944				91	64	19	41	31	7	3	3	7	7	12	4	3	5	4	6	5	7	6	7	4	5	6	6	8	1	3	1	48856.0
1945			31	74	47	11	27	16	14	9	9	7	4	11	9	15	13	14	7	12	11	11	2	4	1	2	3	1					38685.0
1946				69	62		35	48	26	21	9	5	4	1	12	6	11	11	10	6	9	4	6	3	1	2	1	2	1				30917.0
1947					90		51	48	22	14	5	8	7	6	17	10	4	6	4	4	8	16	11	14	4	6	8	1	1				45083.0
1948			1	73	36	41	42	55	28	12	7	10	7	8	6	3	3	3	2	2	1	2	4	4	2	7	5	2					28421.0
1949				62	65	52	16	15	18	11	3	6	13	4	10	13	3	8	7	9	11	3	7	3	6	7		1	2	1	4	3	1	1	46567.0
1950				1	77	46	21	31	28	29	17	12	6	9	14	7	4	8	2	3	3	5	5	10	3	5	2	7	8	2				44413.0
1951				1	69	41	25	60	22	15	9	6	13	12	6	14	7	8	5	4	2	7	6	4	4	5	8		3	7	1	1			39839.0
1952					31	80	29	25	11	18	2	13	21	8	3	8	12	9	9	10	8	11	4	7	14	10	5	2	5	2	2	6	1		54958.0
1953		19	52	64	16	7	13	18	31	25	27	7	7	2	2	11	14	7	7	7	5	2	4	4		2	2	2	1	1	2	2		2	32030.0
1954						116	18	71	17	26	14	10	10	9	5	15	10	6	11	6	1	3	1	6	3	3	3	1								26573.0
1955				59	78	26	23	24	23	11	11	11	21	9	6	9	4	6	8	4	3	9	5	3	2	4	2	2	1	1					27883.0
1964					29	43	39	20	39	27	15	18	24	12	9	7	11	4	4	3	3	3	7	7	5	6	6	7	7	5	5	1				43475.0
1965			34	22	26	55	44	15	2	8	1	13	3	1	3	15	13	6	18	7	7	11	6	5	5	11	4	5	6	9	4	3	2	1		59473.0
1966					26	29	35	10	4	12	38	36	20	28	25	8	20	9	7	3	5	9	14	8	4	6	8	1								35374.0
1967					23	52	58	22	31	11	20	16	14	10	4	9	8	10	10	6	2	3	7	4	9	5	6	9	1	4	7	4				51822.0
1968				12	62	35	29	12	30	21	9	14	23	14	2	3	11	12	16	11	2	4	1	7	8	3	2	1	1	6	4	4	6	1		53323.0
1969					7	35	35	47	22	30	18	37	12	11	9	16	8	10	6	9	6	5	7	5	8	1	6	3	3	7	2					44977.0
1970					80	67	20	14	26	12	17	15	16	6	5	9	8	7	10	7	2	7	5	4	6	7	7	5	3							36817.0
1971			1	22	35	50	31	18	21	25	15	10	15	14	10	17	10	6	6	9	8	4	4	3	6	5	4	2	1	1	2	1	6	3		47857.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	0.412E+02	0.363E+02	0.300E+02	0.250E+02	0.250E+02	0.270E+02	0.300E+02	0.259E+03	0.675E+03	0.323E+03	0.855E+02	0.458E+02
1945	0.463E+02	0.376E+02	0.300E+02	0.250E+02	0.250E+02	0.240E+02	0.300E+02	0.226E+03	0.405E+03	0.225E+03	0.125E+03	0.689E+02
1946	0.419E+02	0.350E+02	0.280E+02	0.260E+02	0.240E+02	0.230E+02	0.850E+02	0.231E+03	0.335E+03	0.910E+02	0.533E+02	0.430E+02
1947	0.421E+02	0.369E+02	0.330E+02	0.280E+02	0.260E+02	0.270E+02	0.463E+02	0.416E+03	0.421E+03	0.224E+03	0.111E+03	0.644E+02
1948	0.436E+02	0.364E+02	0.290E+02	0.250E+02	0.230E+02	0.230E+02	0.272E+02	0.315E+03	0.249E+03	0.718E+02	0.496E+02	0.367E+02
1949	0.324E+02	0.300E+02	0.270E+02	0.250E+02	0.230E+02	0.230E+02	0.556E+02	0.258E+03	0.721E+03	0.207E+03	0.845E+02	0.451E+02
1950	0.441E+02	0.401E+02	0.302E+02	0.285E+02	0.261E+02	0.250E+02	0.573E+02	0.211E+03	0.656E+03	0.205E+03	0.833E+02	0.553E+02
1951	0.376E+02	0.324E+02	0.274E+02	0.255E+02	0.240E+02	0.230E+02	0.360E+02	0.226E+03	0.526E+03	0.195E+03	0.103E+03	0.521E+02
1952	0.469E+02	0.341E+02	0.299E+02	0.250E+02	0.250E+02	0.220E+02	0.505E+02	0.358E+03	0.727E+03	0.269E+03	0.139E+03	0.773E+02
1953	0.468E+02	0.274E+02	0.222E+02	0.201E+02	0.170E+02	0.169E+02	0.238E+02	0.575E+02	0.529E+03	0.164E+03	0.891E+02	0.404E+02
1954	0.341E+02	0.326E+02	0.287E+02	0.260E+02	0.250E+02	0.260E+02	0.493E+02	0.309E+03	0.153E+03	0.920E+02	0.495E+02	0.432E+02
1955	0.358E+02	0.286E+02	0.245E+02	0.230E+02	0.200E+02	0.200E+02	0.247E+02	0.221E+03	0.315E+03	0.902E+02	0.678E+02	0.438E+02
1964	0.602E+02	0.430E+02	0.358E+02	0.270E+02	0.200E+02	0.232E+02	0.263E+02	0.291E+03	0.510E+03	0.253E+03	0.848E+02	0.491E+02
1965	0.324E+02	0.305E+02	0.271E+02	0.240E+02	0.190E+02	0.181E+02	0.419E+02	0.128E+03	0.681E+03	0.598E+03	0.212E+03	0.137E+03
1966	0.711E+02	0.539E+02	0.371E+02	0.265E+02	0.233E+02	0.210E+02	0.574E+02	0.338E+03	0.252E+03	0.118E+03	0.815E+02	0.774E+02
1967	0.587E+02	0.391E+02	0.336E+02	0.309E+02	0.276E+02	0.242E+02	0.287E+02	0.252E+03	0.670E+03	0.337E+03	0.131E+03	0.676E+02
1968	0.523E+02	0.408E+02	0.328E+02	0.256E+02	0.228E+02	0.223E+02	0.277E+02	0.117E+03	0.917E+03	0.262E+03	0.161E+03	0.745E+02
1969	0.501E+02	0.389E+02	0.342E+02	0.324E+02	0.276E+02	0.304E+02	0.895E+02	0.578E+03	0.309E+03	0.132E+03	0.863E+02	0.606E+02
1970	0.423E+02	0.330E+02	0.274E+02	0.244E+02	0.250E+02	0.236E+02	0.243E+02	0.251E+03	0.440E+03	0.154E+03	0.715E+02	0.929E+02
1971	0.455E+02	0.335E+02	0.285E+02	0.258E+02	0.233E+02	0.214E+02	0.559E+02	0.178E+03	0.768E+03	0.248E+03	0.921E+02	0.556E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.4526E+02	0.3601E+02	0.2983E+02	0.2594E+02	0.2358E+02	0.2320E+02	0.4337E+02	0.2610E+03	0.5130E+03	0.2130E+03	0.9802E+02	0.6152E+02
0.9488E+02	0.3524E+02	0.1382E+02	0.6952E+01	0.7683E+01	0.9507E+01	0.3778E+03	0.1267E+05	0.4329E+05	0.1425E+05	0.1592E+04	0.5408E+03
0.9741E+01	0.5937E+01	0.3717E+01	0.2637E+01	0.2772E+01	0.3083E+01	0.1944E+02	0.1126E+03	0.2081E+03	0.1194E+03	0.3989E+02	0.2326E+02
0.1033E+01	0.1338E+01	0.1363E+00	0.5909E+00-0.8198E+00		0.1397E+00	0.1097E+01	0.9269E+00	0.6552E-01	0.1744E+01	0.1370E+01	0.1909E+01
0.2152E+00	0.1649E+00	0.1246E+00	0.1017E+00	0.1175E+00	0.1329E+00	0.4482E+00	0.4313E+00	0.4056E+00	0.5603E+00	0.4070E+00	0.3780E+00
0.3295E+01	0.2621E+01	0.2171E+01	0.1888E+01	0.1717E+01	0.1689E+01	0.3157E+01	0.1900E+02	0.3734E+02	0.1551E+02	0.7135E+01	0.4478E+01

09289500 Lake Fork River above Moon Lake, near Mountain Home, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.843	0.749	*	*	*	*	*	*	*	*	*
*	1.000	0.898	0.523	*	*	*	*	*	*	*	*
*	*	1.000	0.737	0.479	*	*	*	*	*	*	*
*	*	*	1.000	0.766	0.752	*	*	*	*	*	*
*	*	*	*	1.000	0.826	0.395	*	*	*	*	*
*	*	*	*	*	1.000	0.384	0.753	*	*	*	*
*	*	*	*	*	*	1.000	0.505	-0.185	*	*	*
*	*	*	*	*	*	*	1.000	-0.466	-0.318	*	*
*	*	*	*	*	*	*	*	1.000	0.456	0.626	*
*	*	*	*	*	*	*	*	*	1.000	0.866	0.703
*	*	*	*	*	*	*	*	*	*	1.000	0.778
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.599
SEPT-OCT 0.696
SEPT-NOV 0.563

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.040	-0.107	-0.072	-0.112	0.049	-0.079	-0.334	-0.386	-0.025	-0.068	-0.066	0.084

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09291000 Lake Fork River below Moon Lake, near Mountain Home, Utah

LOCATION.--Lat 40°33'23", long 110°29'02", in SW¼SW¼NW¼ sec.20, T.2 N., R.5 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 2,000 ft (610 m) downstream from Moon Lake Dam, 2 miles (3 km) downstream from Brown Duck Creek, and 12 miles (19 km) northwest of Mountain Home.

DRAINAGE AREA.--110 sq mi (285 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,970 ft (2,429 m) by barometer. Prior to April 1942, at damsite 2,000 ft (610 m) upstream at different datum.

EXTREMES.--Maximum discharge recorded, 2,180 ft^3/s (61.7 m^3/s) June 19, 1949, from rating curve extended above 860 ft^3/s (24.4 m^3/s); maximum gage height, 5.46 ft (1.664 m) June 26, 1944; no flow at times when reservoir gates were closed.

REMARKS.--Flow regulated by Moon Lake Reservoir. No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1962	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.17	9	3.57	1	60.80	1
1963	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	1	5.71	2	165.00	9
1964	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	3	0.00	2	15.50	8	113.00	2
1965	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	4	0.00	3	7.28	4	146.00	5
1966	0.00	5	0.00	5	0.00	5	0.00	5	7.13	10	8.20	10	14.10	10	30.60	10	66.30	10	177.00	10
1967	0.00	6	0.00	6	0.00	6	0.00	6	0.00	5	0.00	5	0.00	5	0.00	4	12.60	7	132.00	4
1968	0.00	7	0.00	7	0.00	7	0.00	7	0.00	6	0.00	6	0.00	6	0.00	5	9.40	5	154.00	6
1969	0.00	8	0.00	8	0.00	8	0.00	8	0.00	7	0.00	7	0.00	7	0.00	6	18.50	9	157.00	7
1970	0.00	9	0.00	9	0.00	9	0.00	9	0.00	8	0.00	8	0.00	8	0.00	7	5.90	3	161.00	8
1971	0.00	10	0.00	10	0.00	10	0.00	10	0.00	9	0.00	9	0.00	9	0.00	8	10.60	6	115.00	3

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1961	394.0	11	380.0	11	369.0	11	307.0	11	274.0	11	261.0	11	204.0	11	166.0	11	117.0	11	62.0	11
1962	1300.0	1	1190.0	1	1030.0	2	802.0	3	576.0	5	484.0	4	427.0	4	415.0	2	323.0	1	164.0	2
1963	491.0	10	473.0	10	461.0	9	447.0	9	400.0	8	365.0	8	341.0	8	312.0	9	211.0	10	109.0	10
1964	868.0	7	815.0	7	738.0	6	582.0	6	503.0	6	445.0	6	411.0	6	379.0	5	285.0	6	150.0	6
1965	992.0	4	947.0	5	922.0	3	890.0	2	720.0	1	528.0	1	440.0	2	389.0	3	287.0	5	147.0	7
1966	634.0	8	611.0	8	557.0	8	449.0	8	394.0	10	352.0	9	344.0	7	322.0	8	251.0	8	159.0	3
1967	1270.0	2	1170.0	2	1140.0	1	981.0	1	680.0	2	459.0	5	422.0	5	355.0	6	298.0	3	155.0	4
1968	1090.0	3	1000.0	3	870.0	4	735.0	5	614.0	4	498.0	2	433.0	3	389.0	4	296.0	4	152.0	5
1969	967.0	6	953.0	4	850.0	5	758.0	4	634.0	3	491.0	3	459.0	1	429.0	1	316.0	2	167.0	1
1970	499.0	9	494.0	9	435.0	10	414.0	10	400.0	9	339.0	10	287.0	10	272.0	10	220.0	9	113.0	9
1971	989.0	5	849.0	6	702.0	7	543.0	7	435.0	7	373.0	7	340.0	9	328.0	7	265.0	7	138.0	8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	1787	4017	100.0	9	0.50	0	2229	55.5	18	12.0	21	2100	52.3	27	310	524	740	18.4
1	0.01	1	2230	55.5	10	0.70	0	2229	55.5	19	18.0	14	2079	51.8	28	440	131	216	5.3
2	0.02	0	2229	55.5	11	1.00	10	2229	55.5	20	25.0	68	2065	51.4	29	620	54	85	2.1
3	0.04	0	2229	55.5	12	1.50	11	2219	55.2	21	36.0	44	1997	49.7	30	890	30	31	.7
4	0.05	0	2229	55.5	13	2.10	0	2208	55.0	22	51.0	115	1953	48.6	31	1300	1	1	.0
5	0.08	0	2229	55.5	14	3.00	12	2208	55.0	23	73.0	150	1838	45.8	32				
6	0.10	0	2229	55.5	15	4.20	11	2196	54.7	24	100.0	157	1688	42.0	33				
7	0.20	0	2229	55.5	16	6.10	38	2185	54.4	25	150.0	358	1531	38.1	34				
8	0.40	0	2229	55.5	17	8.60	47	2147	53.4	26	210.0	433	1173	29.2					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	NUMBER OF DAYS IN CLASS																																			FT^3/S DAYS
CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1961	188									1		1		2	1	8	10	15	13	27	22	18	12	31	16												22629.6
1962	139									10	10		11	5	8	1	3	1	2	8	8	3	2	19	35	72	18	5	4	1						59819.0
1963	198															2	1	1	24	1	7	16	2	17	28	53	15									39701.0
1964	187																1		1	3	1	4	17	36	25	65	18	8								54971.0
1965	196																		2	1	4	9	20	35	34	32	10	14	8							53636.0
1966																6	28	42	7			11	33	48	14	52	51	66	6	1						57996.0
1967	172																			1	4	16	3	10	44	60	29	11	5	10						56627.0
1968	194																			1	7		16	28	41	46	22	9	2							55801.0
1969	161																	1		1	17		1	20	14	29	18	67	22	10	4					61055.0
1970	174	1																	1	1	4		11	13	27	54	51	25	3								41264.0
1971	178																			2	2		12	17	32	59	53	6	2	2							50377.0

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09291000 Lake Fork River below Moon Lake, near Mountain Home, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	0.364E 02	0.0	0.0	0.0	0.0	0.0	0.201E 02	0.164E 03	0.269E 03	0.155E 03	0.659E 02	0.295E 02
1962	0.119E 02	0.810E 01	0.0	0.0	0.0	0.239E 01	0.104E 03	0.412E 03	0.501E 03	0.366E 03	0.376E 03	0.173E 03
1963	0.181E 02	0.150E 02	0.0	0.0	0.0	0.0	0.0	0.235E 03	0.280E 03	0.378E 03	0.322E 03	0.442E 02
1964	0.850E 02	0.660E 01	0.0	0.0	0.0	0.0	0.150E 02	0.292E 03	0.401E 03	0.415E 03	0.390E 03	0.189E 03
1965	0.366E 02	0.0	0.0	0.0	0.0	0.0	0.196E 02	0.290E 03	0.420E 03	0.584E 03	0.239E 03	0.160E 03
1966	0.142E 03	0.120E 03	0.765E 01	0.984E 01	0.444E 02	0.723E 02	0.740E 02	0.320E 03	0.321E 03	0.337E 03	0.294E 03	0.155E 03
1967	0.684E 02	0.0	0.0	0.0	0.0	0.0	0.117E 03	0.259E 03	0.420E 03	0.415E 03	0.254E 03	0.315E 03
1968	0.555E 02	0.0	0.0	0.0	0.0	0.0	0.156E 02	0.299E 03	0.613E 03	0.336E 03	0.224E 03	0.286E 03
1969	0.103E 03	0.0	0.0	0.0	0.0	0.0	0.260E 02	0.555E 03	0.403E 03	0.373E 03	0.357E 03	0.171E 03
1970	0.146E 02	0.205E 02	0.0	0.0	0.0	0.0	0.997E 02	0.230E 03	0.166E 03	0.324E 03	0.334E 03	0.151E 03
1971	0.451E 02	0.139E 02	0.0	0.0	0.0	0.0	0.697E 02	0.299E 03	0.336E 03	0.353E 03	0.303E 03	0.226E 03

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5612E 02	0.1671E 02	0.6950E 00	0.8944E 00	0.4032E 01	0.6786E 01	0.5103E 02	0.3050E 03	0.3754E 03	0.3670E 03	0.2880E 03	0.1729E 03
0.1665E 04	0.1218E 04	0.5313E 01	0.8800E 01	0.1789E 03	0.4720E 03	0.1820E 04	0.1074E 05	0.1465E 05	0.1007E 05	0.8358E 04	0.7438E 04
0.4081E 02	0.3491E 02	0.2305E 01	0.2966E 01	0.1337E 02	0.2173E 02	0.4267E 02	0.1036E 03	0.1211E 03	0.1004E 03	0.9142E 02	0.8625E 02
0.9722E 00	0.3059E 01	0.3317E 01	0.3317E 01	0.3317E 01	0.3310E 01	0.4333E 00	0.1455E 01	0.2926E 00	0.1093E 00	-0.1458E 01	-0.1096E 00
0.7271E 00	0.2089E 01	0.3317E 01	0.3317E 01	0.3317E 01	0.3202E 01	0.8361E 00	0.3398E 00	0.3224E 00	0.2735E 00	0.3174E 00	0.4989E 00
0.3413E 01	0.1016E 01	0.4226E-01	0.5439E-01	0.2452E 00	0.4126E 00	0.3103E 01	0.1854E 02	0.2283E 02	0.2232E 02	0.1751E 02	0.1051E 02

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.600	0.700	*	*	*	*	*	*	*	*	*
*	1.000	0.978	0.978	*	*	*	*	*	*	*	*
*	*	1.000	**********	**********	*	*	*	*	*	*	*
*	*	*	1.000	**********	0.999	*	*	*	*	*	*
*	*	*	*	1.000	0.999	0.179	*	*	*	*	*
*	*	*	*	*	1.000	0.193	0.059	*	*	*	*
*	*	*	*	*	*	1.000	0.047	-0.112	*	*	*
*	*	*	*	*	*	*	1.000	0.418	0.265	*	*
*	*	*	*	*	*	*	*	1.000	0.316	0.051	*
*	*	*	*	*	*	*	*	*	1.000	0.435	0.358
*	*	*	*	*	*	*	*	*	*	1.000	0.226
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT-0.139
SEPT-OCT 0.197
SEPT-NOV-0.099

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.079	-0.217	-0.111	-0.111	-0.111	-0.119	-0.132	-0.439	-0.089	0.020	-0.339	0.183

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09292500 Yellowstone River near Altonah, Utah

LOCATION.--Lat 40°30'43", long 110°20'27", in SW¼SW¼NE¼ sec.4, T.1 N., R.4 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on left bank 1.5 miles (2.4 km) downstream from powerplant of Moon Lake Electric Association, Inc., 2 miles (3 km) downstream from Hell Canyon, and 8.2 miles (13.2 km) northwest of Altonah.

DRAINAGE AREA.--131 sq mi (339 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 7,430 ft (2,265 m) from river-profile map.

EXTREMES.--Maximum discharge, 1,880 ft^3/s (53.2 m^3/s) June 19, 1949 (gage height, 4.55 ft or 1.387 m); minimum observed, 26 ft^3/s (0.74 m^3/s) Feb. 24, 1960 (discharge measurement), result of freezeup.

REMARKS.--Some diurnal fluctuation caused by powerplant 1.5 miles (2.4 km) upstream.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1946	40.00 6	40.30 11	41.30 10	43.20 14	44.00 11	44.60 7	46.70 10	48.80 10	58.50 12	135.00 14
1947	47.00 24	49.00 26	50.30 26	50.60 26	51.30 26	52.80 25	53.90 23	56.30 23	62.50 16	107.00 6
1948	48.00 25	48.00 23	48.00 21	48.00 19	48.00 18	48.50 16	50.30 17	53.30 17	64.10 19	165.00 20
1949	46.00 21	46.00 19	46.60 18	47.50 18	48.80 19	49.40 18	50.30 18	51.70 14	55.60 8	102.00 4
1950	45.00 18	45.70 18	48.70 23	49.40 23	50.20 24	51.30 20	53.00 21	55.80 21	66.30 20	167.00 21
1951	48.00 26	48.70 25	48.90 24	49.40 24	50.50 25	51.50 22	51.80 19	53.10 16	57.50 11	148.00 16
1952	45.00 19	47.00 20	47.60 19	48.10 20	50.00 22	52.40 24	53.30 22	56.10 22	63.50 17	132.00 12
1953	45.00 20	48.30 24	49.00 25	49.50 25	49.80 20	51.70 23	54.50 24	57.70 24	70.00 22	209.00 25
1954	42.00 16	42.30 16	43.40 17	44.40 16	44.80 14	45.40 13	46.80 11	49.30 12	55.70 9	108.00 7
1955	40.00 7	40.00 5	40.00 4	40.00 3	40.00 3	40.10 3	41.70 3	44.20 3	51.30 2	98.60 2
1956	40.00 8	40.00 6	40.00 5	40.00 4	42.50 8	44.70 9	47.20 13	49.00 11	54.90 6	109.00 8
1957	41.00 12	41.70 12	42.00 12	42.20 9	44.10 12	44.70 10	46.50 9	48.50 9	52.80 4	130.00 10
1958	41.00 13	41.70 13	42.30 14	43.90 15	45.90 16	49.00 17	49.90 16	53.70 18	67.30 21	149.00 17
1959	40.00 9	40.00 7	40.00 6	40.40 6	42.00 7	43.50 5	44.00 5	45.30 4	55.60 7	135.00 13
1960	43.00 17	43.00 17	43.00 16	43.00 13	44.10 13	44.70 11	45.30 7	47.30 7	56.70 10	104.00 5
1961	40.00 10	40.00 8	40.00 7	40.00 5	40.00 4	40.00 2	40.30 2	42.10 1	49.50 1	96.30 1
1962	42.00 14	42.00 14	42.00 13	42.90 12	45.40 15	47.60 15	48.60 14	52.30 15	74.70 26	99.10 3
1963	35.00 1	35.00 1	35.60 1	36.30 1	37.90 1	39.90 1	40.10 1	42.70 2	53.80 5	164.00 19
1964	39.00 4	40.00 9	40.00 8	41.00 8	41.10 5	42.40 4	43.60 4	45.70 5	59.60 14	131.00 11
1965	42.00 15	42.00 15	42.60 15	42.80 11	42.90 9	44.60 8	45.20 6	47.00 6	52.70 3	149.00 18
1966	37.00 2	37.70 3	37.90 2	38.50 2	39.90 2	44.00 6	47.00 12	53.80 19	74.60 25	226.00 26
1967	47.00 22	47.70 21	47.90 20	48.80 21	50.10 23	53.30 26	56.40 26	59.40 26	71.20 24	139.00 15
1968	47.00 23	47.70 22	48.10 22	49.40 22	50.00 21	51.40 21	52.70 20	54.80 20	63.50 18	174.00 23
1969	40.00 11	40.30 10	41.70 11	44.90 17	47.70 17	50.70 19	54.90 25	59.30 25	70.20 23	179.00 24
1970	39.00 5	40.00 4	41.30 9	42.70 10	43.80 10	45.20 12	46.10 8	48.20 8	60.00 15	167.00 22
1971	37.00 3	37.30 2	38.10 3	40.70 7	41.10 6	47.30 14	48.70 15	51.10 13	58.90 13	122.00 9

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1945	736.0 17	718.0 17	651.0 17	525.0 18	436.0 18	349.0 17	309.0 16	276.0 15	211.0 14	136.0 15
1946	565.0 23	521.0 24	446.0 26	349.0 26	286.0 26	263.0 25	217.0 24	191.0 24	151.0 23	105.0 23
1947	820.0 16	737.0 16	689.0 16	593.0 15	558.0 14	491.0 10	414.0 8	353.0 8	266.0 8	164.0 7
1948	572.0 21	547.0 22	540.0 19	490.0 20	429.0 20	291.0 22	230.0 22	195.0 23	149.0 24	107.0 22
1949	1500.0 1	1350.0 2	1190.0 2	1010.0 2	741.0 4	545.0 5	428.0 6	357.0 6	267.0 7	161.0 8
1950	903.0 12	882.0 12	767.0 14	722.0 11	670.0 9	498.0 9	382.0 10	314.0 12	238.0 11	152.0 9
1951	875.0 14	848.0 14	722.0 15	570.0 16	518.0 15	387.0 16	319.0 15	272.0 16	200.0 18	129.0 17
1952	1310.0 3	1250.0 3	1150.0 4	996.0 3	788.0 3	629.0 2	526.0 2	457.0 2	348.0 2	206.0 2
1953	988.0 7	938.0 9	798.0 12	624.0 13	438.0 17	306.0 20	249.0 20	212.0 21	161.0 21	115.0 20
1954	559.0 24	512.0 26	501.0 23	439.0 22	333.0 25	242.0 26	204.0 26	183.0 25	146.0 25	101.0 25
1955	624.0 19	580.0 19	504.0 22	430.0 24	361.0 23	297.0 21	235.0 21	213.0 20	164.0 20	108.0 21
1956	981.0 9	957.0 7	866.0 10	752.0 10	654.0 10	440.0 14	337.0 14	278.0 14	207.0 15	131.0 16
1957	1030.0 6	980.0 6	871.0 8	694.0 12	640.0 12	466.0 12	368.0 12	317.0 11	231.0 12	142.0 12
1958	970.0 10	924.0 11	869.0 9	805.0 9	650.0 11	449.0 13	342.0 13	282.0 13	215.0 13	141.0 13
1959	570.0 22	558.0 21	516.0 21	476.0 21	375.0 22	265.0 24	221.0 23	195.0 22	151.0 22	103.0 24
1960	534.0 26	519.0 25	471.0 25	397.0 25	344.0 24	271.0 23	216.0 25	183.0 26	143.0 26	99.8 26
1961	421.0 27	354.0 27	295.0 27	233.0 27	210.0 27	168.0 27	142.0 27	138.0 27	124.0 27	86.7 27
1962	984.0 8	953.0 8	903.0 6	817.0 7	711.0 6	520.0 7	432.0 5	364.0 5	275.0 5	175.0 5
1963	664.0 18	621.0 18	577.0 18	529.0 17	467.0 16	389.0 15	305.0 17	264.0 17	202.0 17	128.0 18
1964	864.0 15	812.0 15	773.0 13	617.0 14	597.0 13	519.0 8	407.0 9	337.0 9	245.0 9	152.0 10
1965	1250.0 4	1160.0 5	988.0 5	912.0 5	890.0 1	761.0 1	624.0 1	525.0 1	376.0 1	215.0 1
1966	559.0 25	521.0 23	476.0 24	437.0 23	398.0 21	342.0 19	285.0 18	253.0 18	207.0 16	141.0 14
1967	931.0 11	925.0 10	893.0 7	842.0 6	674.0 8	586.0 4	474.0 4	395.0 4	285.0 4	178.0 3
1968	1460.0 2	1380.0 1	1280.0 1	1070.0 1	883.0 2	600.0 3	481.0 3	398.0 3	288.0 3	176.0 4
1969	900.0 13	880.0 13	839.0 11	809.0 8	679.0 7	534.0 6	424.0 7	356.0 7	274.0 6	172.0 6
1970	598.0 20	578.0 20	539.0 20	514.0 19	430.0 19	347.0 18	284.0 19	250.0 19	186.0 19	123.0 19
1971	1240.0 5	1170.0 4	1160.0 3	984.0 4	717.0 5	489.0 11	379.0 11	321.0 10	239.0 10	149.0 11

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09292500 Yellowstone River near Altonah, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9861	100.0	9	86.00	546	4410	44.7	18	240.0	151	1385	14.0	27	660	60	249	2.5
1	35.00	32	9861	100.0	10	97.00	489	3864	39.2	19	270.0	138	1234	12.5	28	740	65	189	1.9
2	39.00	537	9829	99.7	11	110.00	296	3375	34.2	20	300.0	173	1096	11.1	29	830	60	124	1.2
3	44.00	973	9292	94.2	12	120.00	506	3079	31.2	21	340.0	112	923	9.4	30	930	23	64	.6
4	49.00	1255	8319	84.4	13	140.00	207	2573	26.1	22	380.0	117	811	8.2	31	1000	28	41	.4
5	55.00	1041	7064	71.6	14	150.00	344	2366	24.0	23	420.0	120	694	7.0	32	1200	6	13	.1
6	62.00	625	6023	61.1	15	170.00	240	2022	20.5	24	470.0	137	574	5.8	33	1300	6	7	.0
7	69.00	539	5398	54.7	16	190.00	163	1782	18.1	25	530.0	93	437	4.4	34	1500	1	1	.0
8	77.00	449	4859	49.3	17	210.00	234	1619	16.4	26	590.0	95	344	3.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1945			38	69	18	20	1	12	7	39	21	5	15	5	7	13	12	23	13	10	14	9	4		2	3	1	4								49685.0
1946				62	39	36	26	32	20	18	25	15	27	2	8	10	8	6	9	5	7	1	4	2	2	1										38288.0
1947					50	62	28	41	25	4	4	6	20	8	18	13	5	5	4	4	7	13	12	5	14	4	5	4	4							60030.0
1948				30	80	31	23	45	25	28	30	11	14	4	7	4	1	3	1	2	2	3	7	6	2	7										38993.0
1949				16	80	61	36	9	4	7	8	13	26	12	10	9	3	10	5	5	11	4	3	7	5	2	6		2	2	1	5	1	1	1	58906.0
1950				2	57	46	20	22	25	43	31	20	19	1	11	4	5	5	2	5	5	3	5	2	4	8	6	6	4	4						55643.0
1951					11	13	55	22	20	19	7	7	3	10	8	21	12	5	3	7	6	8	3	5	5	2		5	2	2	4						47083.0
1952					31	61	56	26	14	9	9		9	4	6	4	9	21	14	11	15	9	5	6	12	14	3	2	3	5	1	4	2	1		75252.0
1953		1	8	58	62	23	35	28	15	24	31	15	7	9	8	3	13	5	3	2	1	1	2	2	2	1	2	1	1	2						42127.0
1954			10	63	42	28	33	36	19	24	13	10	17	13	19	8	6	5	1	1	3	2	3	3	5	1										36797.0
1955				63	41	42	29	21	19	4	18	24	11	16	4	14	11	6	5	5	4	10	5	2	5	4		2								39349.0
1956				15	47	54	38	45	14	16	25	19	11	15	3	11	4	2	4	5	4	4	2		1	2	3	10	5	3	2	2				47864.0
1957				21	62	46	50	36	5	8	10	3	5	7	9	17	18	10	7	1	6	6	4	4	3	6	5	4	6	2	1	2	1			51829.0
1958					40	55	28	13	18	23	28	46	19	26	4	8	5	3	6	2	3	2	5	7	2	2	2	1	7	3	5	2				51521.0
1959				22	90	42	27	9	15	5	22	28	22	26	6	4	7	4	7	6	4	4	1	2	2	7	3									37682.0
1960				14	81	14	38	38	34	31	28	19	3	14	4	4	3	2	4	3	8	9	5	2	5	2	1									36540.0
1961			100	36	23	27	10	17	24	26	20	8	14	6	15	12	8	8	2	3	4	1		1												31642.0
1962				46	45	18	17	10	16	14	15	9	36	19	21	10	10	17	6	4	6	1	6	6	8	3	5	1	8	6	2					63774.0
1963		18	88	21	17	24	12	15	12	12	4	11	34	15	15	8	4	5	9	6	2	4	3	3	12	2	8	1								46716.0
1964				63	35	47	17	12	5	16	25	19	14	17	7	11	9	2	6	2	3	4	5	7	6	8	4	10	4	6	2					55683.0
1965				36	56	55	37	13	11	6	5	7	1	3	3	5	8	11	6	9	7	10	8	5	7	3	6	9	9	7	9	6	6	1		78393.0
1966			9	22	17	34	14	5	3	22	37	22	5	41	20	32	15	5	7	6	9	14	7	6	6	6	1									51292.0
1967				7	55	47	30	29	20	14	14	22	14	4	9	11	3	12	6	2	5	2	8	12	9	5	7	4	5	7	2					65068.0
1968				5	59	77	24	16	21	19	9	11	16	7	7	4	9	21	7	7	2	5	3	6	4	4	1		7	3	3	4	1	4		64389.0
1969				6	16	24	25	34	24	12	22	40	11	24	15	17	11	15	6	4	7	4	6	3	5	6	7	5	3	7	6					62913.0
1970			5	37	68	29	28	8	14	9	28	17	11	16	6	14	9	11	7	8	6	8		6	8	5	4	3								44858.0
1971				1	44	46	55	30	12	18	19	11	8	15	11	24	10	1	12	9	3	5	3	4	4	3	1	3		1	3		8	1		54362.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1945	0.930E 02	0.852E 02	0.548E 02	0.450E 02	0.420E 02	0.454E 02	0.517E 02	0.225E 03	0.400E 03	0.279E 03	0.187E 03	0.119E 03
1946	0.863E 02	0.671E 02	0.550E 02	0.510E 02	0.450E 02	0.440E 02	0.114E 03	0.239E 03	0.256E 03	0.122E 03	0.103E 03	0.733E 02
1947	0.784E 02	0.709E 02	0.633E 02	0.560E 02	0.528E 02	0.530E 02	0.707E 02	0.469E 03	0.476E 03	0.278E 03	0.169E 03	0.128E 03
1948	0.945E 02	0.756E 02	0.630E 02	0.540E 02	0.480E 02	0.490E 02	0.541E 02	0.266E 03	0.280E 03	0.112E 03	0.108E 03	0.714E 02
1949	0.649E 02	0.612E 02	0.560E 02	0.520E 02	0.500E 02	0.488E 02	0.798E 02	0.281E 03	0.717E 03	0.276E 03	0.138E 03	0.111E 03
1950	0.944E 02	0.781E 02	0.645E 02	0.564E 02	0.521E 02	0.504E 02	0.941E 02	0.274E 03	0.618E 03	0.234E 03	0.107E 03	0.107E 03
1951	0.716E 02	0.596E 02	0.569E 02	0.520E 02	0.512E 02	0.523E 02	0.501E 02	0.212E 03	0.457E 03	0.197E 03	0.186E 03	0.999E 02
1952	0.856E 02	0.700E 02	0.650E 02	0.550E 02	0.550E 02	0.500E 02	0.939E 02	0.443E 03	0.751E 03	0.371E 03	0.250E 03	0.177E 03
1953	0.107E 03	0.786E 02	0.676E 02	0.600E 02	0.524E 02	0.508E 02	0.557E 02	0.722E 02	0.431E 03	0.173E 03	0.136E 03	0.101E 03
1954	0.712E 02	0.645E 02	0.567E 02	0.497E 02	0.452E 02	0.455E 02	0.650E 02	0.308E 03	0.161E 03	0.124E 03	0.126E 03	0.867E 02
1955	0.703E 02	0.592E 02	0.519E 02	0.450E 02	0.400E 02	0.400E 02	0.499E 02	0.234E 03	0.337E 03	0.122E 03	0.142E 03	0.991E 02
1956	0.725E 02	0.600E 02	0.545E 02	0.509E 02	0.450E 02	0.458E 02	0.642E 02	0.351E 03	0.499E 03	0.149E 03	0.101E 03	0.773E 02
1957	0.638E 02	0.586E 02	0.545E 02	0.500E 02	0.450E 02	0.442E 02	0.459E 02	0.849E 02	0.616E 03	0.312E 03	0.175E 03	0.154E 03
1958	0.102E 03	0.846E 02	0.654E 02	0.516E 02	0.500E 02	0.480E 02	0.583E 02	0.361E 03	0.480E 03	0.148E 03	0.104E 03	0.118E 03
1959	0.916E 02	0.582E 02	0.492E 02	0.450E 02	0.450E 02	0.421E 02	0.501E 02	0.111E 03	0.374E 03	0.141E 03	0.139E 03	0.919E 02
1960	0.849E 02	0.657E 02	0.509E 02	0.455E 02	0.447E 02	0.482E 02	0.640E 02	0.222E 03	0.294E 03	0.116E 03	0.844E 02	0.770E 02
1961	0.700E 02	0.573E 02	0.477E 02	0.408E 02	0.400E 02	0.400E 02	0.465E 02	0.154E 03	0.163E 03	0.101E 03	0.950E 02	0.183E 03
1962	0.145E 03	0.891E 02	0.638E 02	0.507E 02	0.496E 02	0.456E 02	0.120E 03	0.287E 03	0.694E 03	0.303E 03	0.141E 03	0.106E 03
1963	0.864E 02	0.631E 02	0.508E 02	0.384E 02	0.421E 02	0.400E 02	0.426E 02	0.275E 03	0.427E 03	0.182E 03	0.134E 03	0.152E 03
1964	0.984E 02	0.752E 02	0.524E 02	0.462E 02	0.410E 02	0.438E 02	0.519E 02	0.309E 03	0.550E 03	0.301E 03	0.150E 03	0.106E 03
1965	0.715E 02	0.543E 02	0.524E 02	0.466E 02	0.453E 02	0.437E 02	0.551E 02	0.130E 03	0.741E 03	0.744E 03	0.366E 03	0.219E 03
1966	0.133E 03	0.947E 02	0.715E 02	0.493E 02	0.454E 02	0.492E 02	0.926E 02	0.369E 03	0.290E 03	0.185E 03	0.156E 03	0.143E 03
1967	0.107E 03	0.790E 02	0.686E 02	0.627E 02	0.564E 02	0.501E 02	0.540E 02	0.265E 03	0.615E 03	0.449E 03	0.199E 03	0.127E 03
1968	0.911E 02	0.698E 02	0.611E 02	0.551E 02	0.529E 02	0.504E 02	0.573E 02	0.125E 03	0.882E 03	0.303E 03	0.236E 03	0.133E 03
1969	0.104E 03	0.750E 02	0.719E 02	0.609E 02	0.499E 02	0.561E 02	0.128E 03	0.599E 03	0.448E 03	0.199E 03	0.147E 03	0.121E 03
1970	0.933E 02	0.714E 02	0.549E 02	0.478E 02	0.466E 02	0.438E 02	0.411E 02	0.210E 03	0.396E 03	0.192E 03	0.131E 03	0.145E 03
1971	0.843E 02	0.624E 02	0.587E 02	0.514E 02	0.476E 02	0.470E 02	0.621E 02	0.165E 03	0.676E 03	0.270E 03	0.157E 03	0.106E 03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09292500 Yellowstone River near Altonah, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.8948E 02	0.6994E 02	0.5862E 02	0.5070E 02	0.4741E 02	0.4694E 02	0.6712E 02	0.2616E 03	0.4825E 03	0.2364E 03	0.1543E 03	0.1197E 03
0.3683E 03	0.1141E 03	0.4853E 02	0.3349E 02	0.2059E 02	0.1707E 02	0.5867E 03	0.1484E 05	0.3536E 05	0.1813E 05	0.3428E 04	0.1256E 04
0.1919E 02	0.1068E 02	0.6966E 01	0.5787E 01	0.4537E 01	0.4132E 01	0.2422E 02	0.1218E 03	0.1880E 03	0.1346E 03	0.5855E 02	0.3544E 02
0.1152E 01	0.5908E 00	0.3810E 00	0.8649E-01	0.1474E 00	0.5912E-01	0.1306E 01	0.7859E 00	0.2010E 00	0.2222E 01	0.2027E 01	0.9870E 00
0.2145E 00	0.1527E 00	0.1188E 00	0.1141E 00	0.9571E-01	0.8802E-01	0.3609E 00	0.4657E 00	0.3897E 00	0.5695E 00	0.3794E 00	0.2961E 00
0.5311E 01	0.4151E 01	0.3480E 01	0.3009E 01	0.2814E 01	0.2786E 01	0.3984E 01	0.1553E 02	0.2864E 02	0.1403E 02	0.9160E 01	0.7106E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.867	0.625	*	*	*	*	*	*	*	*	*
*	1.000	0.719	0.361	*	*	*	*	*	*	*	*
*	*	1.000	0.820	0.729	*	*	*	*	*	*	*
*	*	*	1.000	0.862	0.842	*	*	*	*	*	*
*	*	*	*	1.000	0.796	0.317	*	*	*	*	*
*	*	*	*	*	1.000	0.439	0.477	*	*	*	*
*	*	*	*	*	*	1.000	0.580	0.122	*	*	*
*	*	*	*	*	*	*	1.000	-0.052	-0.100	*	*
*	*	*	*	*	*	*	*	1.000	0.704	0.608	*
*	*	*	*	*	*	*	*	*	1.000	0.890	0.637
*	*	*	*	*	*	*	*	*	*	1.000	0.667
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.523
SEPT-OCT 0.889
SEPT-NOV 0.801

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.120	-0.321	0.143	0.331	0.405	0.252	-0.357	-0.486	0.011	0.022	0.084	-0.116

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09294000 Lake Fork near Upalco, Utah

LOCATION.--Lat 40°15'30", long 110°13'00", in NE¼NE¼ sec.4, T.3 S., R.3 W., Uintah meridian, 0.25 mile (0.40 km) upstream from bridge on State Highway 86, 1.5 miles (2.4 km) south of Upalco, 9 miles (14 km) northwest of Myton, and 10 miles (16 km) upstream from mouth.

DRAINAGE AREA.--418 sq mi (1,083 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 5,480 ft (1,670 m) from topographic map.

EXTREMES.--Maximum discharge, 4,520 ft^3/s (128 m^3/s) June 26, 1944 (gage height, 6.05 ft or 1.844 m), from rating curve extended above 1,400 ft^3/s (39.6 m^3/s); minimum daily, 0.1 ft^3/s (0.003 m^3/s) Apr. 16, May 22, 1943, May 8-10, 1949.

REMARKS.--Diversions above station for irrigation. Flow partly regulated by Moon Lake Reservoir.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1944	0.10	1	0.17	4	0.20	3	0.20	3	0.20	2	0.26	2	2.61	6	2.78	5	11.40	4	43.20	7
1945	1.40	12	5.47	12	9.59	12	9.89	12	11.10	12	16.40	12	20.00	12	25.90	12	39.90	12	137.00	11
1946	0.60	10	0.60	10	0.70	9	1.20	10	2.85	10	3.45	9	5.93	9	8.33	9	16.10	7	34.10	4
1947	0.80	11	0.80	11	0.93	11	0.97	9	1.12	8	2.17	8	3.22	7	3.44	6	6.36	3	34.10	6
1948	0.50	9	0.53	9	0.79	10	1.23	11	2.93	11	3.70	10	10.20	11	10.20	10	29.90	10	56.30	9
1949	0.20	5	0.30	6	0.33	6	0.34	5	0.43	6	0.52	4	0.57	3	0.58	2	3.01	2	29.90	3
1950	0.10	2	0.10	1	0.24	5	0.36	6	0.41	5	0.65	5	2.42	5	8.05	8	24.40	9	100.00	10
1951	0.20	6	0.20	5	0.20	4	0.20	4	0.24	3	0.69	6	0.60	4	1.80	4	18.80	8	47.30	8
1952	0.40	7	0.40	7	0.41	7	0.49	7	0.67	7	1.50	7	3.47	8	3.85	7	14.10	6	38.70	5
1953	0.40	8	0.43	8	0.49	8	0.69	8	1.70	9	5.10	11	8.82	10	13.40	11	35.40	11	160.00	12
1954	0.10	3	0.10	2	0.10	1	0.12	2	0.38	4	0.41	3	0.46	2	1.19	3	11.50	5	23.40	2
1955	0.10	4	0.10	3	0.10	2	0.10	1	0.12	1	0.22	1	0.31	1	0.49	1	1.29	1	19.50	1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1943	332.0	7	173.0	8	105.0	10	94.1	9	89.6	8	85.8	8	85.5	8	83.8	7	66.1	7	39.5	6
1944	2670.0	2	1900.0	2	1530.0	3	1400.0	1	971.0	1	565.0	2	395.0	2	325.0	2	244.0	2	145.0	2
1945	161.0	10	151.0	10	124.0	9	97.2	8	85.6	9	73.4	9	70.2	9	69.8	9	58.7	9	38.6	8
1946	89.0	13	79.7	13	74.9	13	71.4	12	67.3	13	62.7	13	61.5	12	61.3	11	46.6	10	25.8	11
1947	373.0	6	314.0	6	261.0	5	235.0	5	196.0	5	130.0	5	89.5	6	89.5	5	85.1	5	61.1	4
1948	184.0	9	172.0	9	150.0	7	124.0	6	108.0	6	92.3	7	85.6	7	83.8	8	73.4	6	38.7	7
1949	3380.0	1	2360.0	1	1620.0	1	1150.0	3	753.0	3	404.0	3	274.0	3	232.0	3	172.0	3	94.0	3
1950	763.0	4	679.0	4	584.0	4	381.0	4	249.0	4	135.0	4	97.6	4	96.7	4	87.3	4	53.5	5
1951	298.0	8	215.0	7	138.0	8	81.4	10	70.7	11	65.4	11	64.9	10	63.1	10	44.6	11	29.3	10
1952	1880.0	3	1700.0	3	1580.0	2	1270.0	2	903.0	2	634.0	1	493.0	1	391.0	1	284.0	1	159.0	1
1953	587.0	5	445.0	5	243.0	6	119.0	7	95.0	7	95.0	6	90.9	5	89.1	6	63.2	8	37.6	9
1954	94.0	12	90.0	12	82.9	12	69.9	13	68.3	12	63.8	12	61.4	13	52.0	13	35.2	13	18.1	13
1955	105.0	11	97.3	11	90.1	11	79.7	11	75.7	10	66.2	10	62.5	11	58.9	12	43.0	12	23.0	12

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	28	4748	100.0	9	2.20	111	3461	72.9	18	35.0	196	2228	46.9	27	570	26	69	1.4
1	0.10	63	4720	99.4	10	3.00	161	3350	70.6	19	48.0	633	2032	42.8	28	780	14	43	.9
2	0.20	152	4657	98.1	11	4.10	143	3189	67.2	20	66.0	724	1399	29.5	29	1100	16	29	.6
3	0.30	326	4505	94.9	12	5.50	122	3046	64.2	21	89.0	415	675	14.2	30	1400	10	13	.2
4	0.50	121	4179	88.0	13	7.50	107	2924	61.6	22	120.0	71	260	5.5	31	2000	2	3	.0
5	0.60	272	4058	85.5	14	10.00	139	2817	59.3	23	170.0	40	189	4.0	32	2700	1	1	.0
6	0.90	117	3786	79.7	15	14.00	114	2678	56.4	24	230.0	26	149	3.1	33				
7	1.20	106	3669	77.3	16	19.00	202	2564	54.0	25	310.0	28	123	2.6	34				
8	1.60	102	3563	75.0	17	26.00	134	2362	49.7	26	420.0	26	95	2.0					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1943		2	48	4		19	15	8	16	7	14	7	13	8	6	10	16	10	12	29	61	54	4	1		1										14407.8
1944			31					1		1				2	4	5	30	26	25	27	39	22	7	8	6	6	3	6	4	8	4	1				53104.9
1945						6	4	1	1	3	10	16	20	30	36	23	27	16	14	89	57	4	8														14081.4
1946						7	19	25	15	30	45	30	17	7	8	10	13	6	5	11	2	15	1														9409.2
1947					2	13	7	7	9	11	19	16	14	12	15	14	13	10	10	17	7	65	11	14	6	3											22286.1
1948			1	41	20	38	12	15	15	6	14	7	3	1	2	3	11	6	9	15	11	6	23	7	1												14173.8
1949			3	2	26	20	57	6	5	2	7	2	4	5	4	4	8	7	2	49	66	24	22	9	5	4	2	4	6	5	2	1	1	1			34319.5
1950				5	37	9	12	8	7	6	5	12	6	8	7	7	10	23	31	17	53	63	14	8	3	1	5	2	4								19534.0
1951				15	37	14	48	14	11	13	15	9	6	7	8	6	7	3	7	22	73	37	6	3	2	2											10706.1
1952					3	7	10	5	7	6	4	8	8	9	3	10	9	17	8	6	61	41	22	13	6	6	11	16	9	5	6	5					58355.2
1953			11	3	47	25	16	8	8	7	10	12	26	10	13	15	6	9	8	2	6	44	75	1		1		1	1								13716.8
1954				30	41	74	18	21	8	8	8	9	4	6	5	6	13	3	13	3	3	69	21	2													6592.1
1955		28	17	6	57	6	25	11	3	4	4	11	9	11	6	13	6	20	1	22	71	29	5														8407.9

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09294000 Lake Fork near Upalco, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1943	0.116E 02	0.430E 02	0.876E 02	0.829E 02	0.830E 02	0.723E 02	0.163E 02	0.282E 02	0.403E 02	0.327E 01	0.713E 01	0.407E 00
1944	0.200E 00	0.468E 02	0.974E 02	0.900E 02	0.900E 02	0.986E 02	0.952E 02	0.715E 02	0.778E 03	0.320E 03	0.369E 02	0.239E 02
1945	0.139E 02	0.327E 02	0.700E 02	0.650E 02	0.600E 02	0.820E 02	0.419E 02	0.150E 02	0.467E 02	0.174E 02	0.165E 02	0.305E 01
1946	0.412E 01	0.373E 02	0.600E 02	0.580E 02	0.608E 02	0.508E 02	0.118E 02	0.832E 01	0.107E 02	0.118E 01	0.606E 01	0.232E 01
1947	0.111E 02	0.795E 02	0.900E 02	0.770E 02	0.938E 02	0.815E 02	0.130E 02	0.538E 02	0.193E 03	0.175E 02	0.231E 02	0.441E 01
1948	0.522E 01	0.484E 02	0.825E 02	0.750E 02	0.700E 02	0.923E 02	0.710E 02	0.112E 02	0.859E 01	0.506E 00	0.616E 00	0.637E 00
1949	0.603E 00	0.171E 02	0.510E 02	0.450E 02	0.546E 02	0.100E 03	0.570E 02	0.268E 02	0.688E 03	0.926E 02	0.363E 01	0.447E 00
1950	0.133E 02	0.387E 02	0.614E 02	0.650E 02	0.764E 02	0.898E 02	0.255E 02	0.217E 02	0.245E 03	0.928E 01	0.742E 00	0.111E 01
1951	0.281E 00	0.353E 02	0.692E 02	0.600E 02	0.641E 02	0.408E 02	0.860E 00	0.271E 02	0.441E 02	0.467E 01	0.682E 01	0.977E 00
1952	0.104E 02	0.502E 02	0.800E 02	0.800E 02	0.800E 02	0.801E 02	0.113E 03	0.381E 03	0.889E 03	0.122E 03	0.319E 02	0.351E 01
1953	0.686E 01	0.352E 02	0.950E 02	0.950E 02	0.800E 02	0.685E 02	0.177E 01	0.257E 01	0.612E 02	0.517E 01	0.175E 01	0.383E 00
1954	0.455E 00	0.233E 02	0.626E 02	0.586E 02	0.521E 02	0.135E 02	0.853E 00	0.410E 01	0.135E 01	0.219E 00	0.284E 00	0.117E 01
1955	0.355E 01	0.875E 01	0.303E 02	0.550E 02	0.550E 02	0.750E 02	0.346E 02	0.407E 01	0.791E 01	0.323E-01	0.356E 01	0.400E 00

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.5272E 01	0.3816E 02	0.7207E 02	0.6973E 02	0.7075E 02	0.7271E 02	0.3716E 02	0.5042E 02	0.2318E 03	0.4573E 02	0.1069E 02	0.3286E 01
0.2732E 02	0.3027E 03	0.3705E 03	0.2198E 03	0.1974E 03	0.6120E 03	0.1367E 04	0.1028E 05	0.1065E 06	0.8314E 04	0.1550E 03	0.4014E 02
0.5227E 01	0.1740E 02	0.1925E 02	0.1482E 02	0.1405E 02	0.2474E 02	0.3698E 02	0.1014E 03	0.3263E 03	0.9118E 02	0.1245E 02	0.6335E 01
0.1856E 00	0.6721E 00	-0.6445E 00	0.1788E 00	0.2054E 00	-0.1290E 01	0.9752E 00	0.3365E 01	0.1337E 01	0.2677E 01	0.1267E 01	0.3333E 01
0.8334E 00	0.4559E 00	0.2671E 00	0.2126E 00	0.1986E 00	0.3402E 00	0.9949E 00	0.2011E 01	0.1408E 01	0.1994E 01	0.1165E 01	0.1928E 01
0.8848E 00	0.5384E 01	0.1017E 02	0.9838E 01	0.9982E 01	0.1026E 02	0.5243E 01	0.7114E 01	0.3271E 02	0.6451E 01	0.1508E 01	0.4636E 00

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.438	0.241	*	*	*	*	*	*	*	*	*
*	1.000	0.747	0.588	*	*	*	*	*	*	*	*
*	*	1.000	0.886	0.814	*	*	*	*	*	*	*
*	*	*	1.000	0.835	0.237	*	*	*	*	*	*
*	*	*	*	1.000	0.423	0.230	*	*	*	*	*
*	*	*	*	*	1.000	0.631	0.176	*	*	*	*
*	*	*	*	*	*	1.000	0.678	0.791	*	*	*
*	*	*	*	*	*	*	1.000	0.705	0.393	*	*
*	*	*	*	*	*	*	*	1.000	0.815	0.688	*
*	*	*	*	*	*	*	*	*	1.000	0.768	0.913
*	*	*	*	*	*	*	*	*	*	1.000	0.758
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.436
SEPT-OCT 0.510
SEPT-NOV-0.021

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.632	0.187	0.233	0.112	-0.030	0.042	-0.276	-0.139	-0.320	-0.210	-0.043	-0.082

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09295000 Duchesne River at Myton, Utah

LOCATION.--Lat 40°12'01", long 110°03'47", in NW¼NW¼ sec.25, T.3 S., R.2 W., Uintah meridian, on left bank at Myton, 3 miles (5 km) downstream from Lake Fork.

DRAINAGE AREA.--2,750 sq mi (7,120 km^2), approximately.

GAGE.--Digital water-stage recorder. Datum of gage is 5,061.40 ft (1,542.715 m) above mean sea level, datum of 1929. Prior to Oct. 14, 1933, staff or chain gage at several sites within 0.5 miles (0.8 km) of present site at various datums. Oct. 14, 1933, to Nov. 2, 1964, graphic water-stage recorder at present site and datum.

EXTREMES.--1899-1968: Maximum discharge observed, 12,800 ft^3/s (362 m^3/s) June 10, 1922 (gage height, 7.94 ft or 2.42 m, site and datum then in use), from rating curve extended above 8,000 ft^3/s (227 m^3/s); minimum, less than 1 ft^3/s (0.028 m^3/s) July 16, 1931, and for several days in August and September 1934.

REMARKS.--Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to The Great Basin through Duchesne and Strawberry tunnels (see sta. 09272500), Hobble Creek ditch, and Strawberry River and Willow Creek ditch.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	4.00 2	4.00 2	4.00 2	4.21 2	4.67 2	5.92 2	25.50 6	93.50 14	182.00 16	266.00 7
1942	56.00 24	61.00 25	78.40 25	96.50 25	138.00 25	184.00 25	240.00 25	319.00 26	368.00 26	702.00 25
1943	21.00 18	21.70 17	22.70 17	25.70 15	42.50 17	51.30 15	79.90 17	111.00 16	174.00 13	475.00 15
1944	28.00 21	28.30 20	29.30 20	35.40 20	48.70 20	80.50 19	138.00 22	178.00 22	214.00 20	524.00 16
1945	49.00 23	50.00 23	51.70 23	56.40 23	60.30 22	67.00 18	115.00 18	148.00 20	211.00 18	625.00 23
1946	58.00 25	58.00 24	60.40 24	66.90 24	94.40 24	116.00 24	154.00 24	191.00 23	219.00 21	402.00 13
1947	11.00 11	12.00 11	13.30 11	15.00 11	33.00 14	47.80 13	50.30 11	76.00 11	175.00 14	388.00 12
1948	39.00 22	39.70 22	45.30 22	48.70 22	62.10 23	99.10 21	121.00 20	144.00 18	213.00 19	513.00 17
1949	4.20 3	5.40 4	5.74 3	6.39 3	8.63 4	10.10 3	12.60 2	18.70 1	83.80 3	297.00 8
1950	27.00 20	29.00 21	35.00 21	38.20 21	42.50 18	53.60 17	79.40 16	138.00 17	201.00 17	665.00 24
1951	13.00 14	14.00 13	15.90 14	17.70 14	29.50 13	100.00 22	125.00 21	159.00 21	231.00 23	586.00 21
1952	22.00 19	23.30 19	23.70 18	27.90 17	45.30 19	91.00 20	152.00 23	204.00 24	239.00 24	480.00 16
1953	164.00 27	166.00 27	168.00 26	171.00 26	186.00 26	217.00 26	272.00 26	312.00 25	347.00 25	1130.00 27
1954	8.70 8	8.70 7	10.40 8	14.40 10	17.70 10	22.90 8	59.70 13	87.50 13	162.00 12	330.00 9
1955	13.00 15	14.30 14	15.30 13	17.60 13	18.40 11	20.40 7	22.10 5	36.00 6	88.80 4	195.00 3
1956	12.00 12	13.70 12	14.70 12	16.70 12	25.50 12	26.90 10	42.20 10	42.30 7	97.60 7	256.00 5
1957	7.60 7	8.83 8	9.76 6	11.90 7	12.60 5	15.30 6	19.60 4	29.00 3	96.60 6	333.00 10
1962	1.90 1	1.90 1	2.20 1	2.81 1	3.87 1	4.86 1	9.84 1	22.10 2	41.00 1	182.00 2
1963	5.10 5	6.43 5	7.16 5	8.20 4	8.47 3	11.70 4	31.50 8	53.30 9	120.00 9	442.00 14
1964	9.40 9	9.80 10	11.30 9	13.20 8	14.50 7	32.00 11	63.00 14	56.50 10	112.00 8	222.00 4
1965	9.40 10	9.40 9	10.10 7	10.60 6	14.10 6	14.50 5	19.50 3	35.10 4	122.00 10	352.00 11
1966	138.00 26	165.00 26	184.00 27	313.00 27	392.00 27	400.00 27	413.00 27	442.00 27	472.00 27	865.00 26
1967	6.00 6	6.93 6	12.30 10	13.70 9	17.50 9	23.00 9	26.70 7	35.20 5	91.00 5	260.00 6
1968	14.00 16	15.70 16	22.30 16	32.60 18	39.40 15	51.80 16	64.80 15	85.10 12	175.00 15	588.00 22
1969	21.00 17	23.00 18	26.70 19	34.00 19	58.20 21	106.00 23	120.00 19	145.00 19	220.00 22	530.00 19
1970	12.00 13	14.30 15	20.60 15	25.90 16	40.10 16	50.20 14	54.50 12	104.00 15	146.00 11	535.00 20
1971	4.30 4	4.57 3	6.81 4	10.30 5	15.60 8	32.20 12	35.20 9	49.20 8	51.00 2	158.00 1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	3930.0 10	3670.0 10	3430.0 9	3020.0 8	2820.0 7	2310.0 5	1700.0 6	1340.0 6	972.0 7	625.0 5
1942	3430.0 14	3140.0 14	2930.0 14	2460.0 13	2190.0 12	1440.0 14	1220.0 13	1020.0 13	816.0 13	556.0 9
1943	2700.0 18	2320.0 19	2250.0 18	1880.0 18	1740.0 16	1570.0 12	1330.0 9	1080.0 10	833.0 10	523.0 11
1944	4280.0 5	3900.0 7	3490.0 8	3110.0 7	2650.0 9	2290.0 6	1720.0 5	1420.0 4	1040.0 5	617.0 6
1945	1720.0 21	1700.0 21	1540.0 21	1340.0 22	1230.0 22	1090.0 20	858.0 19	732.0 18	585.0 17	425.0 15
1946	1710.0 22	1650.0 22	1470.0 22	1380.0 21	1250.0 21	1110.0 19	847.0 20	719.0 19	566.0 19	353.0 19
1947	2620.0 19	2580.0 18	2320.0 17	1890.0 17	1880.0 15	1710.0 10	1300.0 10	1060.0 11	819.0 12	529.0 10
1948	2140.0 20	2140.0 20	2030.0 20	1830.0 20	1390.0 20	859.0 22	720.0 21	624.0 21	520.0 22	324.0 22
1949	5970.0 2	5320.0 2	4510.0 4	3810.0 4	2920.0 4	2330.0 4	1880.0 3	1540.0 3	1120.0 3	630.0 3
1950	3640.0 11	3470.0 13	3100.0 13	2800.0 10	2780.0 8	1990.0 8	1570.0 8	1280.0 8	963.0 8	596.0 7
1951	3630.0 12	3570.0 11	3140.0 12	2420.0 14	2220.0 11	1630.0 11	1200.0 14	957.0 14	723.0 14	482.0 14
1952	6330.0 1	6220.0 1	6030.0 1	5440.0 1	4490.0 1	4210.0 1	3360.0 1	2680.0 1	1910.0 1	1100.0 1
1953	4130.0 7	3900.0 8	3340.0 10	2510.0 12	1730.0 17	993.0 21	712.0 22	611.0 22	543.0 20	376.0 17
1954	974.0 27	944.0 27	859.0 27	810.0 26	534.0 27	355.0 27	335.0 27	333.0 25	332.0 25	205.0 26
1955	1600.0 23	1500.0 23	1180.0 23	908.0 25	788.0 25	617.0 23	513.0 24	468.0 24	392.0 24	256.0 24
1956	2990.0 17	2880.0 16	2570.0 16	2240.0 15	1900.0 14	1210.0 18	882.0 17	742.0 17	602.0 16	347.0 21
1957	4040.0 8	3930.0 6	3540.0 7	2810.0 9	2300.0 10	1500.0 13	1100.0 15	860.0 15	650.0 15	409.0 16
1961	568.0 28	464.0 28	344.0 28	259.0 28	249.0 28	242.0 28	233.0 28	220.0 28	156.0 28	98.4 28
1962	3080.0 15	2990.0 15	2640.0 15	2160.0 16	1700.0 18	1400.0 15	1280.0 11	1130.0 9	861.0 9	500.0 13
1963	1440.0 24	1260.0 25	1110.0 25	962.0 24	894.0 23	589.0 24	401.0 25	326.0 26	313.0 26	218.0 25
1964	2990.0 16	2580.0 17	2230.0 19	1850.0 19	1630.0 19	1300.0 16	915.0 16	755.0 16	582.0 18	349.0 20
1965	5640.0 3	5220.0 4	4520.0 3	3910.0 3	3540.0 2	2610.0 2	2020.0 2	1660.0 2	1250.0 2	738.0 2
1966	1290.0 26	1230.0 26	992.0 26	751.0 27	687.0 26	573.0 25	574.0 23	545.0 23	497.0 23	355.0 18
1967	5490.0 4	5260.0 3	5110.0 2	4510.0 2	3480.0 3	2380.0 3	1650.0 7	1310.0 7	988.0 6	578.0 8
1968	4250.0 6	4100.0 5	3880.0 5	3200.0 6	2820.0 5	1730.0 9	1270.0 12	1050.0 12	830.0 11	505.0 12
1969	3940.0 9	3750.0 9	3580.0 6	3380.0 5	2820.0 6	2160.0 7	1740.0 4	1410.0 5	1070.0 4	626.0 4
1970	1400.0 25	1310.0 24	1140.0 24	1090.0 23	835.0 24	487.0 26	337.0 26	261.0 27	211.0 27	174.0 27
1971	3530.0 13	3470.0 12	3300.0 11	2790.0 11	1960.0 13	1250.0 17	865.0 18	697.0 20	536.0 21	296.0 23

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09295000 Duchesne River at Myton, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10226	100.0	9	9.20	130	10064	98.4	18	110.0	449	7684	75.1	27	1400	226	788	7.7
1	1.00	0	10226	100.0	10	12.00	169	9934	97.1	19	150.0	541	7235	70.8	28	1800	233	562	5.4
2	1.30	0	10226	100.0	11	16.00	233	9765	95.5	20	200.0	1064	6694	65.5	29	2400	183	329	3.2
3	1.70	7	10226	100.0	12	21.00	303	9532	93.2	21	260.0	1900	5630	55.1	30	3200	96	146	1.4
4	2.30	12	10219	99.9	13	28.00	375	9229	90.3	22	340.0	1565	3730	36.5	31	4200	38	50	.4
5	3.00	15	10207	99.8	14	37.00	289	8854	86.6	23	450.0	545	2165	21.2	32	5600	12	12	.1
6	4.00	19	10192	99.7	15	49.00	290	8565	83.8	24	600.0	309	1620	15.8	33	7300			
7	5.30	42	10173	99.5	16	65.00	283	8275	80.9	25	790.0	221	1311	12.8	34	9700			
8	7.00	67	10131	99.1	17	86.00	308	7992	78.2	26	1000.0	302	1090	10.7					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1941	3 5 8 10 30 46 133 48 14 7 5 7 5 15 20 9	227991.0
1942	11 15 5 13 7 11 10 4 5 12 117 70 31 15 11 5 15 7 1	202960.0
1943	9 7 16 5 8 5 23 45 94 62 10 7 8 28 21 15 2	190788.0
1944	39 24 13 2 5 19 122 38 28 10 3 6 13 20 19 3 2	225941.0
1945	6 9 4 15 11 66 93 82 14 15 13 29 8	154943.0
1946	3 11 4 5 14 19 6 8 16 27 17 51 84 34 5 14 9 24 14	128725.0
1947	3 13 8 16 13 41 20 58 99 28 2 6 16 21 16 5	192971.0
1948	1 10 22 15 23 9 1 6 5 8 2 2 10 18 20 103 62 19 5 4 5 8 8	118418.4
1949	2 1 1 1 3 22 29 13 21 13 9 3 20 88 23 21 15 4 23 13 21 8 8 2 1	230011.8
1950	4 10 3 4 5 7 8 3 11 7 25 85 94 19 21 8 10 7 8 20 6	217479.0
1951	9 8 3 1 6 6 30 38 55 62 74 20 5 3 9 15 8 10 3	176060.0
1952	1 1 2 7 9 17 119 76 20 13 12 10 6 11 18 14 20 10	401928.0
1953	10 19 18 4 5 12 16 22 41 24 21 134 7 3 9 7 3 3 3 4	137110.0
1954	3 2 13 30 50 27 3 3 3 5 13 29 37 84 46 3 4 10	74774.6
1955	7 20 20 14 11 4 7 8 21 25 112 44 33 11 14 7 5 2	93493.0
1956	5 5 19 34 27 23 7 7 5 5 6 14 20 86 51 13 7 4 2 7 14 5	126989.2
1957	1 13 9 1 7 12 16 26 26 37 43 101 12 12 9 6 4 10 11 4 5	149293.0
1961	7 12 15 11 22 21 41 32 14 9 6 8 5 11 6 10 37 75 19 1 3	35930.3
1962	1 7 10 15 18 8 8 3 4 3 5 5 10 17 53 54 24 24 21 18 21 17 14 5	182407.1
1963	14 11 22 25 13 19 16 17 20 26 33 56 37 9 16 6 16 8 1	79727.8
1964	14 7 14 29 18 10 19 9 7 15 8 74 83 4 6 3 10 11 9 13 3	127872.0
1965	11 7 4 4 1 4 12 4 7 65 83 32 18 24 18 19 8 11 15 14 3 1	269482.8
1966	1 2 5 5 20 19 23 10 6 5 5 3 7 7 15 94 93 32 10 3	129519.8
1967	1 2 2 14 19 21 19 22 15 13 28 72 75 7 4 2 6 6 14 8 5 10	211107.0
1968	5 8 13 14 13 24 24 8 14 51 121 28 8 2 2 4 8 9 9 1	184682.0
1969	2 4 7 18 11 12 12 17 16 8 14 41 85 25 16 11 18 17 6 14 11	228627.0
1970	6 2 2 4 7 14 33 43 27 13 8 13 76 29 15 27 21 5 5 4 10 1	63471.7
1971	5 67 59 24 32 17 13 22 38 29 14 6 8 4 8 5 2 8 4	107896.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.217E 03	0.178E 03	0.217E 03	0.240E 03	0.250E 03	0.267E 03	0.141E 03	0.818E 03	0.225E 03	0.765E 01	0.513E 01	0.206E 03
1941	0.355E 03	0.317E 03	0.326E 03	0.265E 03	0.292E 03	0.233E 03	0.305E 03	0.200E 04	0.256E 04	0.436E 03	0.223E 03	0.180E 03
1942	0.498E 03	0.509E 03	0.448E 03	0.424E 03	0.410E 03	0.422E 03	0.841E 03	0.105E 04	0.176E 04	0.218E 03	0.551E 02	0.520E 02
1943	0.158E 03	0.252E 03	0.321E 03	0.311E 03	0.356E 03	0.350E 03	0.682E 03	0.152E 04	0.162E 04	0.417E 03	0.235E 03	0.495E 02
1944	0.184E 03	0.269E 03	0.298E 03	0.272E 03	0.300E 03	0.447E 03	0.493E 03	0.154E 04	0.261E 04	0.865E 03	0.710E 02	0.665E 02
1945	0.217E 03	0.265E 03	0.344E 03	0.351E 03	0.350E 03	0.329E 03	0.260E 03	0.911E 03	0.122E 04	0.411E 03	0.341E 03	0.962E 02
1946	0.151E 03	0.273E 03	0.282E 03	0.276E 03	0.265E 03	0.331E 03	0.637E 03	0.111E 04	0.753E 03	0.623E 02	0.606E 02	0.346E 02
1947	0.173E 03	0.385E 03	0.368E 03	0.305E 03	0.394E 03	0.389E 03	0.331E 03	0.176E 04	0.160E 04	0.366E 03	0.180E 03	0.880E 02
1948	0.113E 03	0.319E 03	0.337E 03	0.326E 03	0.325E 03	0.402E 03	0.377E 03	0.982E 03	0.657E 03	0.250E 02	0.115E 02	0.109E 02
1949	0.340E 02	0.172E 03	0.292E 03	0.270E 03	0.285E 03	0.445E 03	0.714E 03	0.177E 04	0.282E 04	0.659E 03	0.514E 02	0.582E 02
1950	0.216E 03	0.321E 03	0.294E 03	0.350E 03	0.324E 03	0.408E 03	0.632E 03	0.130E 04	0.258E 04	0.528E 03	0.633E 02	0.146E 03
1951	0.170E 03	0.330E 03	0.390E 03	0.290E 03	0.341E 03	0.284E 03	0.191E 03	0.110E 04	0.192E 04	0.452E 03	0.265E 03	0.563E 02
1952	0.207E 03	0.349E 03	0.348E 03	0.280E 03	0.290E 03	0.300E 03	0.129E 04	0.418E 04	0.415E 04	0.955E 03	0.492E 03	0.328E 03
1953	0.187E 03	0.314E 03	0.430E 03	0.440E 03	0.390E 03	0.388E 03	0.166E 03	0.182E 03	0.171E 04	0.176E 03	0.127E 03	0.242E 02
1954	0.719E 02	0.255E 03	0.334E 03	0.320E 03	0.340E 03	0.282E 03	0.185E 03	0.513E 03	0.547E 02	0.235E 02	0.189E 02	0.643E 02
1955	0.165E 03	0.209E 03	0.229E 03	0.252E 03	0.250E 03	0.368E 03	0.279E 03	0.671E 03	0.508E 03	0.305E 02	0.841E 02	0.280E 02
1956	0.260E 02	0.152E 03	0.355E 03	0.335E 03	0.295E 03	0.314E 03	0.249E 03	0.109E 04	0.127E 04	0.499E 02	0.209E 02	0.131E 02
1957	0.426E 02	0.219E 03	0.257E 03	0.280E 03	0.271E 03	0.244E 03	0.116E 03	0.521E 03	0.226E 04	0.485E 03	0.128E 03	0.105E 03
1961	0.195E 02	0.118E 03	0.211E 03	0.241E 03	0.241E 03	0.113E 03	0.943E 01	0.538E 02	0.231E 02	0.501E 01	0.136E 02	0.142E 03
1962	0.137E 03	0.260E 03	0.272E 03	0.249E 03	0.456E 03	0.581E 03	0.103E 04	0.110E 04	0.166E 04	0.250E 03	0.112E 02	0.175E 02
1963	0.118E 03	0.179E 03	0.268E 03	0.245E 03	0.346E 03	0.103E 03	0.257E 02	0.459E 03	0.705E 03	0.185E 02	0.538E 02	0.117E 03
1964	0.380E 02	0.179E 03	0.296E 03	0.244E 03	0.240E 03	0.294E 03	0.199E 03	0.882E 03	0.145E 04	0.334E 03	0.277E 02	0.144E 02
1965	0.264E 02	0.196E 03	0.301E 03	0.272E 03	0.246E 03	0.274E 03	0.400E 03	0.994E 03	0.321E 04	0.180E 04	0.542E 03	0.600E 03
1966	0.492E 03	0.519E 03	0.403E 03	0.405E 03	0.455E 03	0.563E 03	0.488E 03	0.657E 03	0.193E 03	0.361E 02	0.182E 02	0.319E 02
1967	0.649E 02	0.226E 03	0.301E 03	0.326E 03	0.366E 03	0.415E 03	0.259E 03	0.688E 03	0.315E 04	0.104E 04	0.729E 02	0.471E 02
1968	0.766E 02	0.189E 03	0.343E 03	0.387E 03	0.408E 03	0.414E 03	0.346E 03	0.607E 03	0.281E 04	0.244E 03	0.211E 03	0.594E 02
1969	0.158E 03	0.308E 03	0.379E 03	0.428E 03	0.407E 03	0.433E 03	0.902E 03	0.270E 04	0.154E 04	0.140E 03	0.462E 02	0.663E 02
1970	0.142E 03	0.270E 03	0.211E 03	0.143E 03	0.132E 03	0.625E 02	0.156E 02	0.259E 03	0.658E 03	0.847E 02	0.330E 02	0.321E 02
1971	0.695E 02	0.941E 02	0.343E 02	0.136E 03	0.256E 03	0.237E 03	0.121E 03	0.393E 03	0.193E 04	0.237E 03	0.327E 02	0.384E 02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09295000 Duchesne River at Myton, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.1578E 03	0.2630E 03	0.3065E 03	0.2988E 03	0.3200E 03	0.3342E 03	0.4030E 03	0.1097E 04	0.1642E 04	0.3572E 03	0.1205E 03	0.9564E 02
0.1477E 05	0.9838E 04	0.6521E 04	0.5459E 04	0.5471E 04	0.1452E 05	0.1031E 06	0.6931E 06	0.1126E 07	0.1611E 06	0.1986E 05	0.1421E 05
0.1215E 03	0.9919E 02	0.8075E 02	0.7389E 02	0.7397E 02	0.1205E 03	0.3211E 03	0.8325E 03	0.1061E 04	0.4014E 03	0.1409E 03	0.1192E 03
0.1496E 01	0.8855E 00	-0.1178E 01	0.4614E-02	-0.1354E 00	-0.2896E 00	0.1093E 01	0.2075E 01	0.3213E 00	0.1981E 01	0.1794E 01	0.3142E 01
0.7700E 00	0.3772E 00	0.2635E 00	0.2473E 00	0.2311E 00	0.3605E 00	0.7969E 00	0.7589E 00	0.6463E 00	0.1124E 01	0.1169E 01	0.1246E 01
0.2925E 01	0.4874E 01	0.5680E 01	0.5538E 01	0.5931E 01	0.6194E 01	0.7469E 01	0.2033E 02	0.3043E 02	0.6620E 01	0.2234E 01	0.1772E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.838	0.438	*	*	*	*	*	*	*	*	*
*	1.000	0.706	0.570	*	*	*	*	*	*	*	*
*	*	1.000	0.845	0.623	*	*	*	*	*	*	*
*	*	*	1.000	0.739	0.586	*	*	*	*	*	*
*	*	*	*	1.000	0.722	0.403	*	*	*	*	*
*	*	*	*	*	1.000	0.602	0.244	*	*	*	*
*	*	*	*	*	*	1.000	0.767	0.449	*	*	*
*	*	*	*	*	*	*	1.000	0.550	0.352	*	*
*	*	*	*	*	*	*	*	1.000	0.797	0.599	*
*	*	*	*	*	*	*	*	*	1.000	0.701	0.704
*	*	*	*	*	*	*	*	*	*	1.000	0.727
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.495
SEPT-OCT 0.689
SEPT-NOV 0.623

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.151	0.077	0.250	0.151	0.000	-0.122	-0.208	-0.137	-0.078	-0.114	-0.094	-0.194

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09295500 Uinta River below Gilbert Creek, near Neola, Utah

LOCATION.--Lat 40°47'10", long 110°14'20", in W½ sec.33, T.5 N., R.3 W., Uintah meridian, on left bank 27 miles (43 km) northwest of Neola.

DRAINAGE AREA.--33 sq mi (85 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 9,950 ft (3,033 m) from topographic map.

EXTREMES.--Maximum discharge recorded, 971 ft^3/s (27.5 m^3/s) June 13, 1953 (gage height, 4.88 ft or 1.487 m), from rating curve extended above 260 ft^3/s (7.36 m^3/s) on basis of slope-area measurements at gage heights 4.03 ft (1.228 m) and 4.88 ft (1.487 m); minimum not determined.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1952	6.00	3	6.00	2	6.00	2	6.00	2	6.50	2	7.68	3	8.12	3	8.58	3	10.50	3	40.10	3
1953	8.00	4	8.00	4	8.00	4	8.00	4	8.00	4	8.02	4	8.34	4	8.76	4	10.50	4	63.90	4
1954	5.00	1	5.00	1	5.00	1	5.00	1	5.00	1	5.24	1	5.33	1	5.56	1	7.05	1	36.50	2
1955	5.50	2	6.17	3	7.00	3	7.00	3	7.00	3	7.48	2	7.66	2	7.99	2	9.86	2	29.90	1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1952	500.0	2	467.0	2	416.0	2	345.0	1	273.0	1	219.0	1	188.0	1	162.0	1	117.0	1	63.8	1
1953	757.0	1	621.0	1	467.0	1	336.0	2	222.0	2	148.0	2	117.0	2	93.7	2	65.8	2	38.2	2
1954	340.0	3	273.0	3	229.0	3	220.0	3	144.0	3	98.8	4	79.7	3	66.6	4	49.9	3	28.5	4
1955	299.0	4	260.0	4	203.0	4	156.0	4	119.0	4	99.0	3	78.2	4	68.1	3	49.9	4	29.9	3

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	0	1461	100.0	9	16.00	38	670	45.9	18	58.0	37	278	19.0	27	220	17	45	3.0
1	5.00	91	1461	100.0	10	18.00	56	632	43.3	19	68.0	31	241	16.5	28	250	7	28	1.9
2	5.80	29	1370	93.8	11	21.00	65	576	39.4	20	78.0	26	210	14.4	29	290	8	21	1.4
3	6.70	86	1341	91.8	12	25.00	36	511	35.0	21	90.0	21	184	12.6	30	330	4	13	.8
4	7.70	159	1255	85.9	13	28.00	52	475	32.5	22	100.0	42	163	11.2	31	380	3	9	.6
5	8.90	121	1096	75.0	14	33.00	47	423	29.0	23	120.0	20	121	8.3	32	440	3	6	.4
6	10.00	220	975	66.7	15	38.00	31	376	25.7	24	140.0	17	101	6.9	33	510	1	3	.2
7	12.00	39	755	51.7	16	44.00	36	345	23.6	25	160.0	18	84	5.7	34	590	2	2	.1
8	14.00	46	716	49.0	17	51.00	31	309	21.1	26	190.0	21	66	4.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
1952			25	29	37	70	7	15	4	10	14	6	5	3	1	7	5	11	9	10	8	16	15	12	10	11	11	4	4	2	2	3			23366.0
1953				59	41	76	17	20	17	15	12	8	8	7	10	3	7	6	15	9	7	11	1		3	3		2	3	1	1		1	2	13948.0
1954		91	29	10	12	12	34	10	2	9	11	23	16	22	14	9	13	11	12	2	3	2	2		1	2	7	4	1		1				10407.9
1955				51	59	31	40	5	9	8	20	16	6	17	23	11	13	8	8	5	4	4	13	4	4	3		2		1						10912.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1953	0.170E+02	0.104E+02	0.100E+02	0.900E+01	0.800E+01	0.800E+01	0.101E+02	0.301E+02	0.220E+03	0.753E+02	0.441E+02	0.174E+02
1954	0.109E+02	0.887E+01	0.629E+01	0.550E+01	0.550E+01	0.500E+01	0.170E+02	0.139E+03	0.522E+02	0.431E+02	0.234E+02	0.228E+02
1955	0.163E+02	0.104E+02	0.900E+01	0.800E+01	0.800E+01	0.700E+01	0.800E+01	0.745E+02	0.117E+03	0.394E+02	0.378E+02	0.225E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1471E+02	0.9890E+01	0.8429E+01	0.7500E+01	0.7167E+01	0.6667E+01	0.1173E+02	0.8112E+02	0.1296E+03	0.5268E+02	0.3513E+02	0.2088E+02
0.1119E+02	0.7814E+00	0.3691E+01	0.3250E+01	0.2083E+01	0.2333E+01	0.2238E+02	0.2984E+04	0.7122E+04	0.3883E+03	0.1127E+03	0.9094E+01
0.3343E+01	0.8840E+00	0.1921E+01	0.1803E+01	0.1443E+01	0.1528E+01	0.4731E+01	0.5463E+02	0.8439E+02	0.1971E+02	0.1062E+02	0.3016E+01
-0.1652E+01	-0.1721E+01	-0.1219E+01	-0.1152E+01	-0.1732E+01	-0.9352E+00	0.1344E+01	0.5410E+00	0.6574E+00	0.1657E+01	-0.1074E+01	-0.1713E+01
0.2273E+00	0.8938E-01	0.2279E+00	0.2404E+00	0.2014E+00	0.2291E+00	0.4034E+00	0.6734E+00	0.6513E+00	0.3741E+00	0.3022E+00	0.1444E+00
0.3816E+01	0.2566E+01	0.2187E+01	0.1946E+01	0.1859E+01	0.1729E+01	0.3042E+01	0.2104E+02	0.3362E+02	0.1367E+02	0.9113E+01	0.5416E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.990	0.987	*	*	*	*	*	*	*	*	*
*	1.000	0.955	0.950	*	*	*	*	*	*	*	*
*	*	1.000	**********	0.966	*	*	*	*	*	*	*
*	*	*	1.000	0.961	0.999	*	*	*	*	*	*
*	*	*	*	1.000	0.945	-0.974	*	*	*	*	*
*	*	*	*	*	1.000	-0.847	-0.996	*	*	*	*
*	*	*	*	*	*	1.000	0.799	-0.637	*	*	*
*	*	*	*	*	*	*	1.000	-0.972	-0.747	*	*
*	*	*	*	*	*	*	*	1.000	0.881	0.938	*
*	*	*	*	*	*	*	*	*	1.000	0.664	-0.989
*	*	*	*	*	*	*	*	*	*	1.000	-0.767
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN (OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT******

SEPT-OCT******

SEPT-NOV******

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	1.000	-1.000	-1.000

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09296000 Uinta River above Clover Creek, near Neola, Utah

LOCATION.--Lat40°37'50", long 110°09'30", in NW¼ sec.30, T.3 N., R.2 W., Uintah meridian, on left bank 2 miles (3 km) upstream from Clover Creek and 15 miles (24 km) northwest of Neola.

DRAINAGE AREA.--132 sq mi (342 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 7,750 ft (2,362 m) from river-profile map. Prior to June 27, 1952, at different datum.

EXTREMES.--Maximum discharge, 2,300 ft^3/s (65.1 m^3/s) June 18, 1949 (gage height, 5.10 ft or 1.554 m, datum then in use); minimum recorded, 22 ft^3/s (0.62 m^3/s) Jan. 2, 1951.

REMARKS.--Flow partly regulated by several small mountain lakes and reservoirs including Fox Lake, Crescent Lake, Atwood Lake, and Chain Lake--total capacity, about 3,600 acre-ft (4.44 hm^3). No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1947	38.00	9	38.30	9	38.60	9	38.90	8	39.30	8	41.60	8	43.10	7	46.70	7	58.60	6	110.00	3
1948	37.00	8	38.00	8	38.30	8	38.40	7	38.60	7	40.20	7	43.20	8	46.90	8	60.70	8	186.00	8
1949	32.00	5	33.00	5	33.00	4	33.60	5	34.10	4	34.70	4	36.30	3	37.80	3	43.20	1	109.00	2
1950	33.00	6	33.30	6	36.40	7	40.80	9	41.80	9	43.20	9	45.30	9	48.80	9	60.60	7	179.00	7
1951	24.00	1	25.30	1	30.30	2	32.10	2	33.10	3	34.00	1	33.90	1	36.60	2	44.80	3	150.00	6
1952	31.00	4	32.00	4	33.00	5	33.10	4	35.00	5	38.90	6	39.60	5	41.40	5	52.00	5	127.00	5
1953	33.00	7	33.70	7	34.00	6	34.80	6	36.40	6	38.40	5	40.60	6	43.90	6	61.90	9	216.00	9
1954	29.00	2	30.00	2	30.00	1	30.40	1	32.40	1	34.20	3	34.10	2	36.40	1	44.70	2	113.00	4
1955	31.00	3	32.00	3	32.10	3	32.60	3	32.80	2	34.00	2	36.70	4	39.10	4	49.70	4	107.00	1

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1946	486.0	10	443.0	10	392.0	10	350.0	10	274.0	10	256.0	10	226.0	10	202.0	10	162.0	10	110.0	9
1947	868.0	6	828.0	6	702.0	6	617.0	5	589.0	4	548.0	3	481.0	3	417.0	2	311.0	2	185.0	2
1948	759.0	7	673.0	7	615.0	7	522.0	6	480.0	7	338.0	7	278.0	7	235.0	7	175.0	8	118.0	7
1949	1660.0	1	1430.0	2	1230.0	2	1040.0	2	787.0	2	600.0	2	482.0	2	406.0	3	298.0	3	171.0	3
1950	1050.0	5	1010.0	5	820.0	4	751.0	3	667.0	3	518.0	4	411.0	4	343.0	4	255.0	4	158.0	4
1951	1130.0	4	1030.0	4	800.0	5	502.0	7	487.0	6	365.0	5	324.0	5	281.0	5	203.0	5	124.0	5
1952	1600.0	2	1520.0	1	1410.0	1	1180.0	1	858.0	1	660.0	1	559.0	1	492.0	1	371.0	1	211.0	1
1953	1590.0	3	1400.0	3	1040.0	3	724.0	4	496.0	5	347.0	6	291.0	6	248.0	6	181.0	6	121.0	6
1954	683.0	9	560.0	9	474.0	9	451.0	8	334.0	9	259.0	9	235.0	9	206.0	9	165.0	9	105.0	10
1955	711.0	8	599.0	8	486.0	8	419.0	9	353.0	8	297.0	8	250.0	8	232.0	8	175.0	7	112.0	8

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	3652	100.0	9	66.00	132	1918	52.5	18	210.0	105	662	18.1	27	660	20	75	2.0
1	24.00	3	3652	100.0	10	75.00	150	1786	48.9	19	240.0	69	557	15.3	28	750	16	55	1.5
2	27.00	17	3649	99.9	11	86.00	153	1636	44.8	20	270.0	71	488	13.4	29	850	9	39	1.0
3	31.00	208	3632	99.5	12	97.00	154	1483	40.6	21	310.0	59	417	11.4	30	960	11	30	.8
4	35.00	356	3424	93.8	13	110.00	154	1329	36.4	22	350.0	56	358	9.8	31	1100	7	19	.5
5	40.00	368	3068	84.0	14	130.00	63	1175	32.2	23	390.0	78	302	8.3	32	1200	4	12	.3
6	45.00	388	2700	73.9	15	140.00	134	1112	30.4	24	450.0	64	224	6.1	33	1400	6	8	.2
7	52.00	186	2312	63.3	16	160.00	166	978	26.8	25	510.0	49	160	4.4	34	1600	2	2	.0
8	58.00	208	2126	58.2	17	180.00	150	812	22.2	26	580.0	36	111	3.0					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1946				47	33	48	17	19	12	4	16	37	22	10	19	38	6	10	7	3	6	2	8	1												39986.0
1947				18	29	56	13	26	21	22	15	10	3	4	19	8	8	10	13	12	6	5	17	17	12	5	8	4	2							67484.0
1948				35	42	28	34	34	21	21	21	14	27	4	8	29	7	6	3	3	1	3	9	6	2	7		1								43087.0
1949			31	50	49	31	23	16	3	5	5	6	16	6	13	9	15	11	6	14	4	9	7	6	6	8	4	1	2	3	3	1	1	1		62329.0
1950				1	48	46	17	25	11	38	33	21	9	9	10	12	18	7	3	3	6	9	5	3	10	11	2	4	1	3						57689.0
1951		3		76	45	16	30	19	22	11	15	5	7	7	3	5	10	24	19	12	7	6	6	1	2	5	2	1	2	2	1	1				45208.0
1952				38	63	37	12	13	14	18	9	3	1	6	7	5	11	8	13	14	17	11	14	23	7	3	1	4	2	4	1	3	3	1		77350.0
1953			11	14	36	33	43	17	21	10	12	17	21	30	8	13	15	20	17	3	5	4	4		1	4		2			2		2			44290.0
1954				6	44	49	15	33	14	22	18	6	14	17	31	10	14	14	22	13	3	2	2	3	9	2	1		1							38234.0
1955					43	37	40	36	20	8	11	9	18	18	8	3	26	26	19	4	6	8	7	4	8	3	2		1							41044.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	0.108E 03	0.610E 02	0.496E 02	0.454E 02	0.393E 02	0.387E 02	0.135E 03	0.221E 03	0.242E 03	0.158E 03	0.124E 03	0.885E 02
1947	0.928E 02	0.705E 02	0.565E 02	0.456E 02	0.411E 02	0.432E 02	0.645E 02	0.534E 03	0.527E 03	0.360E 03	0.226E 03	0.146E 03
1948	0.106E 03	0.694E 02	0.586E 02	0.493E 02	0.419E 02	0.386E 02	0.446E 02	0.293E 03	0.327E 03	0.167E 03	0.133E 03	0.821E 02
1949	0.579E 02	0.488E 02	0.423E 02	0.393E 02	0.354E 02	0.340E 02	0.686E 02	0.336E 03	0.743E 03	0.338E 03	0.192E 03	0.111E 03
1950	0.902E 02	0.759E 02	0.594E 02	0.495E 02	0.447E 02	0.418E 02	0.831E 02	0.338E 03	0.579E 03	0.266E 03	0.162E 03	0.102E 03
1951	0.681E 02	0.524E 02	0.448E 02	0.332E 02	0.350E 02	0.335E 02	0.350E 02	0.230E 03	0.384E 03	0.212E 03	0.241E 03	0.113E 03
1952	0.834E 02	0.621E 02	0.471E 02	0.410E 02	0.400E 02	0.381E 02	0.737E 02	0.487E 03	0.808E 03	0.368E 03	0.291E 03	0.195E 03
1953	0.118E 03	0.737E 02	0.542E 02	0.449E 02	0.404E 02	0.365E 02	0.361E 02	0.823E 02	0.496E 03	0.199E 03	0.171E 03	0.104E 03
1954	0.670E 02	0.538E 02	0.434E 02	0.339E 02	0.360E 02	0.325E 02	0.626E 02	0.316E 03	0.179E 03	0.194E 03	0.119E 03	0.113E 03
1955	0.841E 02	0.552E 02	0.461E 02	0.422E 02	0.350E 02	0.328E 02	0.374E 02	0.245E 03	0.325E 03	0.158E 03	0.180E 03	0.103E 03

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.8744E 02	0.6228E 02	0.5020E 02	0.4244E 02	0.3889E 02	0.3698E 02	0.6407E 02	0.3082E 03	0.4608E 03	0.2421E 03	0.1839E 03	0.1157E 03
0.3759E 03	0.9298E 02	0.4183E 02	0.3250E 02	0.1140E 02	0.1415E 02	0.9153E 03	0.1707E 05	0.4325E 05	0.7123E 04	0.3062E 04	0.1068E 04
0.1939E 02	0.9643E 01	0.6468E 01	0.5701E 01	0.3376E 01	0.3762E 01	0.3025E 02	0.1306E 03	0.2080E 03	0.8440E 02	0.5534E 02	0.3268E 02
0.6852E-02	0.8243E-01	0.3189E 00	0.5219E 00	0.2067E 00	0.3554E 00	0.1469E 01	0.2712E 00	0.4319E 00	0.6257E 00	0.6987E 00	0.1837E 01
0.2217E 00	0.1548E 00	0.1288E 00	0.1344E 00	0.8680E-01	0.1017E 00	0.4722E 00	0.4239E 00	0.4513E 00	0.3487E 00	0.3009E 00	0.2826E 00
0.5165E 01	0.3679E 01	0.2965E 01	0.2507E 01	0.2297E 01	0.2184E 01	0.3785E 01	0.1821E 02	0.2722E 02	0.1430E 02	0.1086E 02	0.6831E 01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.783	0.731	*	*	*	*	*	*	*	*	*
*	1.000	0.946	0.817	*	*	*	*	*	*	*	*
*	*	1.000	0.873	0.915	*	*	*	*	*	*	*
*	*	*	1.000	0.836	0.764	*	*	*	*	*	*
*	*	*	*	1.000	0.883	0.280	*	*	*	*	*
*	*	*	*	*	1.000	0.407	0.477	*	*	*	*
*	*	*	*	*	*	1.000	0.194	-0.013	*	*	*
*	*	*	*	*	*	*	1.000	0.466	0.785	*	*
*	*	*	*	*	*	*	*	1.000	0.857	0.712	*
*	*	*	*	*	*	*	*	*	1.000	0.708	0.783
*	*	*	*	*	*	*	*	*	*	1.000	0.835
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.655
SEPT-OCT 0.826
SEPT-NOV 0.549

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.336	-0.502	-0.366	-0.307	-0.443	0.029	-0.179	-0.560	-0.076	-0.500	-0.026	-0.301

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09297000 Uinta River near Neola, Utah

LOCATION.--Lat 40°32'08", long 110°03'46", inSE¼SW¼SW¼ sec.25, T.2 N., R.2 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on left bank 1,000 ft (305 m) downstream from Uinta Power & Light Co. powerplant, 0.8 mile (1.3 km) upstream from Pole Creek, and 7 miles (11 km) north of Neola.

DRAINAGE AREA.--160 sq mi (414 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 6,910 ft (2,106 m) from river-profile map. Prior to Aug. 4, 1951, water-stage recorder, or nonrecording gages at several sites within 2,000 ft (610 m) of present site at various datums. Aug. 4, 1951, to June 11, 1965, water-stage recorder at site 50 ft (15 m) upstream at various datums. June 12, 1965, to Sept. 26, 1967, water-stage recorder at present site and datum.

EXTREMES.--Maximum discharge, about 5,000 ft^3/s (142 m^3/s) June 11, 1965 (gage height, 7.00 ft or 2.134 m from floodmarks, site and datum then in use), from rating curve extended above 1,200 ft^3/s (34.0 m^3/s); minimum recorded, 22 ft^3/s (0.62 m^3/s) Apr. 13, 1970, result of freezeup or powerplant regulation.

REMARKS.--Summer flow slightly regulated by storage in several small mountain lakes and reservoirs. Water diverted from Pole Creek and Uinta River and used at Uinta Power & Light Co. powerplant enters river about 1,000 ft (305 m) above station. Uinta power canal diverts from river 6 miles (10 km) above station. Enlargement of canal completed in August 1944. Flow through canal increased Oct. 12, 13, 1944, and held nearly constant thereafter. Power canal and Pole Creek diversion feed to common forebay. Water not used through powerplant wastes through spillway of forebay at penstock intake and enters river a short distance above station. Prior to Nov. 18, 1948, spill entered river 0.5 mile (0.8 km) below station. Considerable spill occurs at times when one of two power units is not operating.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1941	56.00	25	58.70	25	59.90	25	61.10	25	62.80	26	64.80	25	66.50	25	71.50	25	109.00	24	134.00	4
1942	62.00	27	62.70	27	65.40	27	67.90	27	70.60	27	71.70	27	76.10	27	84.40	27	114.00	26	272.00	26
1943	50.00	17	54.30	23	57.40	24	57.60	23	58.10	22	61.70	23	63.30	23	66.20	22	78.40	18	210.00	17
1944	50.00	18	51.70	18	54.00	19	55.00	19	56.20	19	57.20	17	58.20	16	61.70	17	77.70	17	172.00	13
1945	40.00	2	40.00	2	41.10	3	41.50	3	42.40	1	44.10	1	45.00	1	46.60	1	59.40	2	258.00	24
1946	49.00	16	50.00	15	52.30	15	52.60	14	53.70	15	54.90	12	57.50	15	58.60	13	71.60	12	169.00	11
1947	40.00	3	40.70	4	42.00	4	42.40	4	43.10	3	46.10	4	50.40	5	55.20	5	67.80	7	124.00	1
1948	47.00	13	50.70	16	52.60	16	53.00	15	53.50	14	55.00	14	55.10	10	57.10	10	71.50	11	214.00	18
1949	52.00	22	54.00	22	55.00	20	55.90	20	56.00	18	57.70	18	59.40	17	60.90	16	64.10	5	132.00	3
1950	59.00	26	59.30	26	62.00	26	62.00	26	62.70	25	63.30	24	64.30	24	67.90	23	81.80	20	220.00	19
1951	48.00	14	48.70	11	50.90	11	51.60	11	52.50	11	53.50	9	53.50	7	56.70	9	67.90	8	183.00	15
1952	46.00	10	49.70	14	51.40	12	52.00	12	52.90	12	54.90	13	56.50	13	59.70	15	71.20	10	160.00	9
1953	51.00	19	53.30	21	55.60	22	56.20	21	57.70	21	58.90	19	61.60	20	66.10	21	85.20	22	259.00	25
1954	46.00	11	47.00	9	47.10	9	47.60	8	51.60	9	54.70	10	54.10	8	55.70	7	64.20	6	135.00	5
1955	44.00	6	49.00	12	52.00	14	52.00	13	52.10	10	53.30	8	55.30	11	58.00	12	70.60	9	135.00	6
1956	46.00	12	47.30	10	48.30	10	49.60	10	53.30	13	54.90	11	55.50	12	55.50	6	60.60	4	128.00	2
1957	40.00	4	40.00	3	40.00	2	41.10	2	42.60	2	44.20	2	47.40	2	50.60	2	56.70	1	152.00	7
1962	45.00	7	46.00	8	46.70	7	47.40	7	49.00	7	61.20	22	63.00	22	71.50	24	116.00	27	152.00	8
1963	45.00	8	45.00	6	46.10	6	48.10	9	50.80	8	52.00	7	54.20	9	57.70	11	74.90	15	224.00	20
1964	41.00	5	41.30	5	43.40	5	44.20	5	44.80	4	46.10	3	48.40	3	53.60	4	75.40	16	164.00	10
1965	46.00	9	46.00	7	47.00	8	47.00	6	47.20	6	48.20	5	50.30	4	53.30	3	60.10	3	204.00	16
1966	52.00	23	53.00	20	55.30	21	57.40	22	62.60	24	66.80	26	72.20	26	78.30	26	109.00	25	332.00	27
1967	51.00	20	52.00	19	53.60	18	53.90	17	55.40	17	56.20	16	59.80	18	64.30	18	82.80	21	171.00	12
1968	51.00	21	51.30	17	52.60	17	54.00	18	56.70	20	59.60	20	60.90	19	64.40	19	80.10	19	240.00	22
1969	56.00	24	56.30	24	57.10	23	57.90	24	58.60	23	60.90	21	62.70	21	66.10	20	87.30	23	246.00	23
1970	49.00	15	49.30	13	51.70	13	53.00	16	53.80	16	55.90	15	56.60	14	59.30	14	72.60	14	228.00	21
1971	28.00	1	29.70	1	33.90	1	41.00	1	45.80	5	49.20	6	52.70	6	56.10	8	72.50	13	179.00	14

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	1520.0	10	1390.0	10	1340.0	8	1150.0	6	977.0	4	848.0	3	689.0	3	588.0	3	430.0	4	269.0	2
1942	1310.0	13	1270.0	13	1190.0	12	1030.0	10	923.0	6	682.0	11	537.0	12	454.0	12	342.0	12	228.0	9
1943	745.0	24	701.0	23	569.0	25	425.0	26	386.0	26	377.0	24	346.0	22	325.0	20	265.0	18	172.0	17
1944	2370.0	2	1790.0	2	1580.0	2	1430.0	2	1200.0	2	968.0	2	780.0	2	645.0	2	456.0	2	267.0	3
1945	771.0	22	750.0	22	666.0	22	555.0	22	462.0	22	409.0	20	381.0	19	345.0	17	266.0	17	163.0	20
1946	502.0	28	437.0	28	387.0	28	348.0	28	291.0	28	276.0	27	248.0	27	223.0	27	180.0	28	126.0	28
1947	1140.0	15	1050.0	15	847.0	18	727.0	17	694.0	16	639.0	12	554.0	11	480.0	10	357.0	10	213.0	10
1948	886.0	21	822.0	21	757.0	20	627.0	19	563.0	19	395.0	21	318.0	24	267.0	24	199.0	24	135.0	24
1949	1820.0	4	1610.0	4	1360.0	6	1200.0	5	906.0	9	710.0	9	569.0	10	479.0	11	358.0	9	211.0	12
1950	1070.0	18	1050.0	16	896.0	16	840.0	15	746.0	14	591.0	13	472.0	14	392.0	15	298.0	14	190.0	14
1951	1210.0	14	1110.0	14	920.0	15	604.0	21	577.0	18	431.0	18	385.0	18	340.0	18	248.0	21	158.0	21
1952	1640.0	8	1590.0	5	1490.0	4	1250.0	4	919.0	7	734.0	7	627.0	6	562.0	4	433.0	3	252.0	4
1953	1680.0	6	1510.0	7	1150.0	13	781.0	16	539.0	20	382.0	23	323.0	23	276.0	23	206.0	23	146.0	23
1954	757.0	23	597.0	26	512.0	26	503.0	23	402.0	24	314.0	26	279.0	26	246.0	26	198.0	25	131.0	26
1955	702.0	26	657.0	25	571.0	24	486.0	24	392.0	25	337.0	25	281.0	25	255.0	25	196.0	26	133.0	25
1956	1090.0	16	970.0	18	894.0	17	873.0	14	722.0	15	491.0	17	394.0	17	332.0	19	248.0	22	154.0	22
1957	1650.0	7	1540.0	6	1340.0	7	987.0	12	823.0	12	577.0	15	452.0	15	393.0	14	286.0	15	171.0	18
1961	717.0	25	596.0	27	481.0	27	371.0	27	315.0	27	253.0	28	217.0	28	220.0	28	189.0	27	128.0	27
1962	1440.0	11	1340.0	11	1220.0	10	1090.0	9	909.0	8	691.0	10	575.0	9	491.0	8	372.0	8	244.0	5
1963	930.0	20	886.0	20	755.0	21	608.0	20	499.0	21	420.0	19	348.0	21	320.0	21	252.0	20	164.0	19
1964	1530.0	9	1470.0	9	1390.0	5	1010.0	11	879.0	10	736.0	6	589.0	7	487.0	9	348.0	11	212.0	11
1965	2900.0	1	2700.0	1	2290.0	1	1730.0	1	1470.0	1	1140.0	1	925.0	1	774.0	1	554.0	1	308.0	1
1966	693.0	27	659.0	24	576.0	23	469.0	25	455.0	23	393.0	22	349.0	20	318.0	22	260.0	19	184.0	15
1967	1360.0	12	1300.0	12	1220.0	11	1120.0	7	924.0	5	814.0	5	665.0	4	556.0	5	399.0	6	241.0	7
1968	1900.0	3	1730.0	3	1520.0	3	1310.0	3	1180.0	3	815.0	4	663.0	5	554.0	6	404.0	5	242.0	6
1969	1070.0	17	1040.0	17	998.0	14	970.0	13	860.0	11	726.0	8	588.0	8	502.0	7	384.0	7	236.0	8
1970	990.0	19	895.0	19	794.0	19	697.0	18	583.0	17	506.0	16	426.0	16	385.0	16	285.0	16	179.0	16
1971	1750.0	5	1500.0	8	1320.0	9	1100.0	8	804.0	13	582.0	14	478.0	13	417.0	13	311.0	13	192.0	13

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09297000 Uinta River near Neola, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10226	100.0	9	85.00	467	5714	55.9	18	290.0	326	1797	17.6	27	1000	94	203	1.9
1	28.00	2	10226	100.0	10	97.00	454	5247	51.3	19	340.0	241	1471	14.4	28	1200	58	109	1.0
2	32.00	4	10224	100.0	11	110.00	504	4793	46.9	20	390.0	202	1230	12.0	29	1400	32	51	.4
3	37.00	28	10220	99.9	12	130.00	420	4289	41.9	21	450.0	175	1028	10.1	30	1600	9	19	.1
4	42.00	399	10192	99.7	13	150.00	410	3869	37.8	22	510.0	203	853	8.3	31	1800	4	10	.0
5	49.00	866	9793	95.8	14	170.00	319	3459	33.8	23	590.0	151	650	6.4	32	2000	3	6	.0
6	56.00	1259	8927	87.3	15	190.00	457	3140	30.7	24	680.0	117	499	4.9	33	2400	1	3	.0
7	64.00	1269	7668	75.0	16	220.00	580	2683	26.2	25	780.0	122	382	3.7	34	2700	2	2	.0
8	74.00	685	6399	62.6	17	260.00	306	2103	20.6	26	890.0	57	260	2.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S	DAYS
1941						15	93	28	5	14	17	8	9	27	17	21	11	15	11	8	5	16	7	5	12	4	8	8	1							98214.0
1942						2	35	43	24	15	38	29	24	32	31	21	7	4	7	10	6	8	3	7	4	3	6	6								83149.0
1943					4	46	51	36	19	17	24	12	18	5	12	36	30	21	6	14	6	4	2	2												62796.0
1944					11	77	37	32	23	12	31	16	6	2	10	10	9	10	5	6	6	13	6	6	8	4	10	10	5			1				97755.0
1945			7	86	28	26	21	22	6	10	13	8	4	8	11	19	19	27	23	10	4	5	5	3												59405.0
1946						50	63	46	8	18	24	22	18	22	17	35	13	12	4	4	8	1														45917.0
1947			3	40	31	25	30	39	15	18	9	6	18	8	8	11	11	15	7	8	19	14	12	6	6	3	3									77605.0
1948				1	49	76	45	32	23	9	28	18	12	17	14	2	6	4	2	2	11	4	2	7	2											49548.0
1949					9	82	83	20	7	3	7	12	17	14	10	20	7	9	11	9	7	8	5	6	7	1	4	4	1	1	1					77101.0
1950					31	69	13	25	38	56	23	9	7	12	16	6	3	5	12	5	6	12	7	4	3	3										69399.0
1951				2	97	35	25	26	30	22	11	5	5	2	17	22	15	15	7	8	3	3	5	3	3	1	2	1								57758.0
1952					29	60	45	26	14	17	14	2	2	4	9	10	8	20	17	22	17	23	6	2	4	2	5	3	4	1						92314.0
1953				12	10	62	44	31	31	16	31	18	21	11	21	27	6	6	6	1	1	3	1		2			2	1	1						53112.0
1954					8	55	52	29	43	13	12	21	27	25	7	16	27	6	3	2	6	9	3		1											47962.0
1955					2	71	37	46	15	16	35	23	8	23	16	19	16	6	5	8	9	5	3		2											48688.0
1956					11	34	93	40	37	9	13	15	8	16	8	22	16	9	3	3	1	2	6	3	2	10	3	2								56380.0
1957				11	45	39	57	62	4	5	12	4	10	18	11	11	15	8	8	6	5	6	7	2	6	3	4	2		3	1					62553.0
1961				5	75	37	19	22	11	24	16	15	30	18	17	17	23	8	13	7	1	5	1		1											46758.0
1962					25	12	61	15	10	2	4	21	37	16	23	48	19	11	8	5	10	4	9	4	3	3	12	1	2							89023.0
1963					6	58	61	26	15	19	12	7	14	5	13	29	41	10	17	5	3	8	9	1	3	1	2									59769.0
1964				2	55	32	17	50	17	19	12	12	20	17	11	7	11	7	13	6	1	7	10	12	4	10	1		4	4						77433.0
1965					38	45	50	46	13	9	8	9	5	5	1	4	15	9	8	11	8	8	5	9	10	14	4	11	8	5	1	1	2	1	2	112240.0
1966						5	6	42	30	18	34	24	18	21	27	35	26	23	14	15	11	4	8	3	1											67218.0
1967						23	46	62	28	15	21	10	16	16	9	6	20	6	9	9	4	3	9	17	10	5	7	10	4								88013.0
1968						10	55	57	36	14	16	20	13	10	6	17	19	6	14	18	8	5	10	3	3	6	1	4	6	4	3	2					88548.0
1969							56	44	19	17	26	10	21	17	13	20	26	15	14	6	9	3	7	10	5	12	8	7									86014.0
1970					3	65	60	32	16	20	12	17	5	4	8	17	20	13	16	12	9	5	12	12	3	3	1									65373.0
1971			2	4		15	49	38	26	30	19	8	12	29	11	2	7	29	14	25	14	4	4	2	4	3	3	2	5	1	2	1				64994.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.227E+03	0.127E+03	0.872E+02	0.700E+02	0.640E+02	0.654E+02	0.744E+02	0.613E+03	0.952E+03	0.454E+03	0.290E+03	0.192E+03
1942	0.192E+03	0.148E+03	0.110E+03	0.868E+02	0.725E+02	0.707E+02	0.111E+03	0.363E+03	0.809E+03	0.373E+03	0.230E+03	0.167E+03
1943	0.116E+03	0.870E+02	0.745E+02	0.670E+02	0.627E+02	0.608E+02	0.142E+03	0.388E+03	0.368E+03	0.274E+03	0.256E+03	0.160E+03
1944	0.125E+03	0.930E+02	0.733E+02	0.601E+02	0.570E+02	0.574E+02	0.728E+02	0.445E+03	0.113E+04	0.683E+03	0.267E+03	0.139E+03
1945	0.988E+02	0.685E+02	0.494E+02	0.427E+02	0.458E+02	0.488E+02	0.636E+02	0.319E+03	0.449E+03	0.341E+03	0.251E+03	0.168E+03
1946	0.120E+03	0.724E+02	0.622E+02	0.626E+02	0.550E+02	0.545E+02	0.145F+03	0.248E+03	0.263E+03	0.183E+03	0.141E+03	0.989E+02
1947	0.104E+03	0.798E+02	0.690E+02	0.571E+02	0.455E+02	0.490E+02	0.744E+02	0.635E+03	0.606E+03	0.395E+03	0.258E+03	0.165E+03
1948	0.125E+03	0.742E+02	0.617E+02	0.540E+02	0.569E+02	0.564E+02	0.626F+02	0.355E+03	0.374E+03	0.176E+03	0.141E+03	0.841E+02
1949	0.725E+02	0.672E+02	0.656E+02	0.622E+02	0.567E+02	0.590E+02	0.100E+03	0.425E+03	0.859E+03	0.397E+03	0.220E+03	0.147E+03
1950	0.116E+03	0.101E+03	0.782E+02	0.640E+02	0.626E+02	0.669E+02	0.127E+03	0.399E+03	0.646E+03	0.320E+03	0.172E+03	0.127E+03
1951	0.973E+02	0.810E+02	0.665E+02	0.526E+02	0.545E+02	0.534E+02	0.568F+02	0.270E+03	0.466E+03	0.242E+03	0.309E+03	0.143E+03
1952	0.106E+03	0.799E+02	0.690E+02	0.581E+02	0.560E+02	0.569E+02	0.119E+03	0.575E+03	0.871E+03	0.422E+03	0.368E+03	0.243E+03
1953	0.143E+03	0.987E+02	0.800E+02	0.666E+02	0.585E+02	0.593E+02	0.578E+02	0.104E+03	0.538E+03	0.224E+03	0.202E+03	0.113E+03
1954	0.849E+02	0.758E+02	0.608E+02	0.530E+02	0.579E+02	0.517E+02	0.941E+02	0.386E+03	0.223E+03	0.217E+03	0.134E+03	0.132E+03
1955	0.106E+03	0.827E+02	0.631E+02	0.582E+02	0.526E+02	0.576E+02	0.623F+02	0.264E+03	0.380E+03	0.177E+03	0.180E+03	0.112E+03
1956	0.776E+02	0.602E+02	0.549E+02	0.564E+02	0.554E+02	0.586E+02	0.747E+02	0.465E+03	0.484E+03	0.211E+03	0.152E+03	0.957E+02
1957	0.708E+02	0.642E+02	0.539E+02	0.443E+02	0.442E+02	0.613E+02	0.584F+02	0.103E+03	0.800E+03	0.350E+03	0.205E+03	0.204E+03
1961	0.109E+03	0.858E+02	0.627E+02	0.517E+02	0.458E+02	0.434E+02	0.490F+02	0.218E+03	0.254E+03	0.155E+03	0.162E+03	0.298E+03
1962	0.237E+03	0.163E+03	0.987E+02	0.666E+02	0.659E+02	0.568E+02	0.165E+03	0.441E+03	0.884E+03	0.379E+03	0.210E+03	0.155E+03
1963	0.127E+03	0.884E+02	0.660E+02	0.515E+02	0.539E+02	0.595E+02	0.582E+02	0.355E+03	0.403E+03	0.239E+03	0.224E+03	0.235E+03
1964	0.147E+03	0.877E+02	0.702E+02	0.515E+02	0.466E+02	0.475E+02	0.621E+02	0.499E+03	0.711E+03	0.439E+03	0.236E+03	0.135E+03
1965	0.801E+02	0.656E+02	0.621E+02	0.538E+02	0.486E+02	0.485E+02	0.778F+02	0.254E+03	0.143E+04	0.835E+03	0.459E+03	0.275E+03
1966	0.199E+03	0.133E+03	0.958E+02	0.749E+02	0.624E+02	0.797E+02	0.119F+03	0.435E+03	0.324E+03	0.279E+03	0.218E+03	0.180E+03
1967	0.140E+03	0.953E+02	0.779E+02	0.592E+02	0.553E+02	0.644E+02	0.690F+02	0.363E+03	0.871E+03	0.608E+03	0.284E+03	0.197E+03
1968	0.131E+03	0.906E+02	0.747E+02	0.569E+02	0.625E+02	0.644E+02	0.727E+02	0.182E+03	0.118E+04	0.430E+03	0.348E+03	0.217E+03
1969	0.150E+03	0.104E+03	0.756E+02	0.651E+02	0.636E+02	0.604E+02	0.131E+03	0.775E+03	0.647E+03	0.321E+03	0.244E+03	0.178E+03
1970	0.113E+03	0.827E+02	0.676E+02	0.579E+02	0.581E+02	0.538E+02	0.521E+02	0.337E+03	0.524E+03	0.320E+03	0.230E+03	0.248E+03
1971	0.122E+03	0.847E+02	0.668E+02	0.577E+02	0.519E+02	0.483E+02	0.696E+02	0.251E+03	0.792E+03	0.322E+03	0.264E+03	0.169E+03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09297000 Uinta River near Neola, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1263E+03	0.9077E+02	0.7131E+02	0.5931E+02	0.5616E+02	0.5765E+02	0.8646E+02	0.3738E+03	0.6513E+03	0.3487E+03	0.2377E+03	0.1705E+03
0.1831E+04	0.6180E+03	0.1841E+03	0.7780E+02	0.4886E+02	0.6105E+02	0.1069E+04	0.2404E+05	0.9236E+05	0.2466E+05	0.5357E+04	0.2938E+04
0.4279E+02	0.2486E+02	0.1357E+02	0.8821E+01	0.6990E+01	0.7813E+01	0.3270E+02	0.1550E+03	0.3039E+03	0.1570E+03	0.7319E+02	0.5421E+02
0.1222E+01	0.1514E+01	0.1136E+01	0.7568E+00	0.7498E-01	0.6401E+00	0.9553E+00	0.5280E+00	0.6663E+00	0.1448E+01	0.1054E+01	0.5959E+00
0.3387E+00	0.2739E+00	0.1903E+00	0.1487E+00	0.1245E+00	0.1355E+00	0.3782E+00	0.4148E+00	0.4666E+00	0.4504E+00	0.3080E+00	0.3178E+00
0.5421E+01	0.3896E+01	0.3061E+01	0.2546E+01	0.2410E+01	0.2474E+01	0.3711E+01	0.1604E+02	0.2795E+02	0.1497E+02	0.1020E+02	0.7320E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.933	0.853	*	*	*	*	*	*	*	*	*
*	1.000	0.943	0.753	*	*	*	*	*	*	*	*
*	*	1.000	0.878	0.777	*	*	*	*	*	*	*
*	*	*	1.000	0.834	0.675	*	*	*	*	*	*
*	*	*	*	1.000	0.698	0.585	*	*	*	*	*
*	*	*	*	*	1.000	0.363	0.119	*	*	*	*
*	*	*	*	*	*	1.000	0.379	-0.005	*	*	*
*	*	*	*	*	*	*	1.000	0.068	0.164	*	*
*	*	*	*	*	*	*	*	1.000	0.879	0.745	*
*	*	*	*	*	*	*	*	*	1.000	0.753	0.360
*	*	*	*	*	*	*	*	*	*	1.000	0.552
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.458
SEPT-OCT 0.848
SEPT-NOV 0.724

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.160	0.157	0.225	0.189	0.268	0.158	-0.320	-0.380	-0.192	-0.014	0.141	0.056

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09298000 Farm Creek near Whiterocks, Utah

LOCATION.--Lat 40°34'03", long 109°57'39", in SE¼NW¼SE¼ sec.14, T.2 N., R.1 W., Uintah meridian, Uintah County, Ashley National Forest, on right bank 0.7 mile (1.1 km) upstream from Hominy Creek and 7 miles (11 km) northwest of Whiterocks.

DRAINAGE AREA.--14.9 sq mi (38.6 km^2).

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 7,040 ft (2,146 m) by barometer.

EXTREMES.--Maximum discharge 350 ft^3/s (9.91 m^3/s) June 3, 1968 (gage height, 3.95 ft or 1.204 m) from rating curve extended above 140 ft^3/s (3.96 m^3/s); minimum, 1.2 ft^3/s (0.034 m^3/s) Apr. 2, 1965.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1951	3.40 21	3.40 21	3.40 21	3.47 21	3.63 21	3.82 21	3.96 21	4.04 21	4.14 21	10.10 21
1952	2.90 18	2.90 18	2.96 18	3.00 19	3.01 19	3.03 18	3.07 18	3.10 17	3.17 17	5.56 12
1953	3.00 19	3.00 19	3.00 19	3.00 20	3.04 20	3.14 20	3.29 20	3.33 20	3.47 20	9.89 19
1954	2.60 15	2.60 13	2.61 12	2.66 12	2.73 13	2.86 15	2.96 16	3.03 16	3.06 16	3.90 4
1955	2.20 6	2.37 7	2.56 8	2.64 11	2.67 10	2.74 10	2.81 12	2.86 10	2.87 8	4.51 9
1956	2.60 16	2.60 14	2.60 9	2.61 9	2.62 9	2.66 9	2.69 9	2.71 8	2.78 6	4.25 6
1957	2.40 8	2.40 8	2.44 7	2.47 7	2.53 7	2.61 7	2.63 6	2.65 5	2.69 4	4.42 8
1958	2.60 9	2.63 15	2.69 15	2.70 13	2.73 14	2.79 12	2.79 11	2.87 11	3.03 14	5.73 13
1959	2.60 10	2.60 9	2.61 13	2.70 14	2.72 11	2.75 11	2.77 10	2.87 12	3.02 13	8.38 15
1960	2.60 11	2.60 10	2.60 10	2.60 8	2.61 8	2.64 8	2.66 7	2.69 7	2.80 7	3.18 2
1961	2.00 2	2.00 2	2.00 2	2.05 2	2.10 2	2.17 2	2.23 1	2.30 1	2.39 1	3.40 3
1962	1.90 1	1.90 1	1.94 1	1.99 1	2.05 1	2.15 1	2.23 2	2.34 2	2.39 2	2.65 1
1963	2.60 12	2.67 16	2.70 16	2.71 15	2.72 12	2.85 13	2.89 14	2.91 14	3.04 15	8.46 16
1964	2.20 3	2.20 3	2.20 3	2.24 4	2.29 4	2.49 5	2.67 8	2.81 9	2.95 9	4.15 5
1965	2.20 4	2.20 4	2.20 4	2.21 3	2.27 3	2.34 3	2.43 3	2.49 3	2.61 3	5.02 10
1966	2.20 5	2.27 5	2.30 5	2.30 5	2.48 6	2.53 6	2.57 5	2.67 6	2.99 11	8.35 14
1967	2.30 7	2.37 6	2.39 6	2.39 6	2.42 5	2.48 4	2.53 4	2.59 4	2.77 5	5.54 11
1968	2.60 13	2.60 11	2.67 14	2.79 16	2.80 16	2.86 14	2.88 13	2.90 13	3.00 12	9.66 18
1969	2.80 17	2.80 17	2.80 17	2.80 17	2.82 17	2.90 17	3.03 17	3.13 18	3.40 19	9.19 17
1970	3.00 20	3.00 20	3.00 20	3.00 18	3.00 18	3.05 19	3.16 19	3.21 19	3.37 18	10.10 20
1971	2.60 14	2.60 12	2.60 11	2.62 10	2.76 15	2.88 16	2.92 15	2.94 15	2.98 10	4.41 7

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1950	99.0 4	96.3 4	89.7 3	80.0 3	55.2 6	38.2 4	28.1 4	22.3 4	15.9 4	9.7 2
1951	92.0 6	85.0 7	62.7 9	41.3 10	27.3 10	16.9 12	12.6 12	10.4 11	8.1 11	6.0 9
1952	93.0 5	85.3 5	74.9 6	69.2 5	58.8 2	39.2 3	28.5 3	22.6 3	16.3 2	9.7 3
1953	20.0 20	16.7 20	14.4 20	13.1 20	10.5 20	7.5 20	6.2 20	5.5 19	4.7 19	4.1 19
1954	38.0 14	32.3 16	28.7 15	23.6 15	18.0 15	11.9 15	9.3 15	7.8 15	6.2 14	4.6 15
1955	27.0 19	26.3 19	24.3 18	19.5 18	15.6 17	10.7 17	8.4 17	7.1 17	5.7 17	4.3 17
1956	38.0 15	36.3 14	32.9 14	26.7 14	20.2 14	12.7 14	9.6 14	7.9 14	6.1 15	4.4 16
1957	89.0 7	71.7 10	59.7 10	45.5 9	30.6 9	18.4 9	13.6 9	11.1 9	8.4 9	5.6 10
1958	109.0 2	107.0 2	98.7 2	81.4 2	57.1 5	33.9 6	24.4 6	19.3 7	13.7 8	8.4 6
1959	11.0 21	9.7 21	8.0 21	7.2 21	6.0 21	4.7 21	4.1 21	3.8 21	3.5 21	3.3 21
1960	31.0 18	27.7 18	20.3 19	14.4 19	10.6 19	7.6 19	6.3 19	5.5 20	4.6 20	3.6 20
1961	7.9 22	7.6 22	7.4 22	6.4 22	5.0 22	4.0 22	3.5 22	3.2 22	2.9 22	2.6 22
1962	79.0 10	77.3 8	69.4 8	52.0 8	41.0 8	32.6 7	24.3 7	19.4 6	13.9 6	8.2 7
1963	37.0 16	32.7 15	25.6 17	19.8 17	14.5 18	9.9 18	7.7 18	6.5 18	5.4 18	4.2 18
1964	63.0 11	54.7 11	42.9 11	33.1 11	25.4 13	16.3 13	12.1 13	9.9 13	7.4 13	5.2 13
1965	87.0 9	75.3 9	71.6 7	67.3 6	48.5 7	32.6 8	24.0 8	19.1 8	13.7 7	8.2 8
1966	43.0 13	41.3 13	38.4 13	32.3 13	26.3 12	17.5 10	13.5 10	11.0 10	8.3 10	5.6 11
1967	109.0 3	99.3 3	82.9 4	65.5 7	57.5 3	41.0 1	29.4 2	23.2 2	16.3 3	9.6 4
1968	157.0 1	141.0 1	117.0 1	86.9 1	59.2 1	36.0 5	26.1 5	20.9 5	14.9 5	9.0 5
1969	89.0 8	85.3 6	81.0 5	75.9 4	57.5 4	39.3 2	29.5 1	23.4 1	16.7 1	10.1 1
1970	33.0 17	30.0 17	27.1 16	22.3 16	16.8 16	11.3 16	8.7 16	7.3 16	5.8 16	4.6 14
1971	49.0 12	45.0 12	38.9 12	32.8 12	26.4 11	17.3 11	12.7 11	10.3 12	7.7 12	5.3 12

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	0	8035	100.0	9	5.50	152	1313	16.3	18	18.0	64	515	6.4	27	60	32	106	1.3
1	1.90	70	8035	100.0	10	6.30	135	1161	14.4	19	21.0	66	451	5.6	28	68	29	74	.9
2	2.20	352	7965	99.1	11	7.20	117	1026	12.8	20	24.0	49	385	4.8	29	78	19	45	.5
3	2.50	1118	7613	94.7	12	8.20	91	909	11.3	21	27.0	61	336	4.2	30	89	16	26	.3
4	2.80	2077	6495	80.8	13	9.30	84	818	10.2	22	31.0	38	275	3.4	31	100	7	10	.1
5	3.20	1832	4418	55.0	14	11.00	53	734	9.1	23	35.0	45	237	2.9	32	120	1	3	.0
6	3.70	697	2586	32.2	15	12.00	63	681	8.5	24	40.0	26	192	2.4	33	130		2	.0
7	4.20	402	1889	23.5	16	14.00	57	618	7.7	25	46.0	30	166	2.1	34	150	2	2	.0
8	4.80	174	1487	18.5	17	16.00	46	561	7.0	26	52.0	30	136	1.7					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09298000 Farm Creek near Whiterocks, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
YEAR	NUMBER OF DAYS IN CLASS																																			FT^3/S_DAYS
1950					9	165	66	19	11	6	3	17	4	6	2	7	5	3	4	4	3	4	2	5	2	2		3	5	4	4					3548.7
1951				2	63	110	134	5	6	7	3	6	3	1	3	3	2	6	2		1	1	1	1	1	1		1		2						2207.7
1952					79	104	33	35	26	8	12	5	7	4	3	4	2	2	1	3	1	1	2	4	5	5	7	5	2	5	1					1561.6
1953					81	177	54	16	5	3	4	3	5	5	2	4	2	3	1																	1491.7
1954				28	116	137	15	18	5	6	7	4	3	2	2	2	2	4	5	1	2	5		1												1683.2
1955			2	47	203	43	7	10	3	12	3	4	5	4	2	4	3	3	2	4	3	1														1571.1
1956				41	56	130	22	5	4	4	4	3	1	2	4	4	2	2	3	3	3	2	4	2	2											1625.5
1957					127	89	42	47	9	3	5	2	6	3	4	1	3	2	3	1	5	2		1	2		2	2	3			1				2037.5
1958					38	83	129	17	15	9	12	7	3	6	4	3	2	2	2	2	4	2	1	2	5	3	1	1	1	2	1	5	3				3059.4
1959					38	147	145	10	3	3	6	9	1	1	1	1																					1197.9
1960				23	137	84	54	16	11	3	9	8	6	5	2	1	2	1			1	1	1	1												1325.1
1961			58	98	148	19	22	2	4	1	5	2	6																							959.9
1962			12	77	80	22	47	14	15	7	10	3	4	8	3	1	3	4	3	1	7	9	10	8	6	2	1	1	4	1	2					2977.6
1963					23	159	119	12	5	3	4	8	6	5	3	4	2	1	2	4	2		1	1	1												1532.1
1964				40	21	97	130	10	11	4	4	8	2	2	5	6	1	1	1	5	5	1	6	1	1	2		1	1							1898.4
1965				73	50	79	12	28	26	13	4	11	8	5	2	2	5	2	3	5	6	2	5	5	3	1	1	3	4	5	2					2980.8
1966					5	77	84	63	46	8	10	5	9	13	5	6	2	2	2	3	3	3	8	3	2	4	2										2059.7
1967				23	81	88	43	18	15	12	13	7	9	4	1	1	1	1	1	1	3		4	2	4	5	8	8	6	3		1	2				3489.0
1968					116	1	53	25	12	18	19	8	5	4	14	3	4	2	2	6	4	1	2	2	1	1	3	3	4	2		1	2	1		2		3284.1
1969					60	62	113	17	16	5	6	5	3	5	5	7	11	5	7	3	4	3	2	2	2	4	3	1	8	5	1						3680.2
1970					16	85	160	47	5	8	3	3	5	5	4	5	2	5		2	3	3	3	1													1679.0
1971					7	50	200	40	2	10	5	3	5	1	3	2	2	3	4	1	5	3	5	6	3	3		2										1943.5

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	0.345E+01	0.367E+01	0.345E+01	0.334E+01	0.314E+01	0.341E+01	0.145E+02	0.491E+02	0.177E+02	0.619E+01	0.390E+01	0.381E+01
1951	0.432E+01	0.443E+01	0.431E+01	0.420E+01	0.391E+01	0.376E+01	0.381E+01	0.205E+02	0.119E+02	0.459E+01	0.332E+01	0.321E+01
1952	0.439E+01	0.319E+01	0.315E+01	0.305E+01	0.300E+01	0.339E+01	0.660E+01	0.571E+02	0.186E+02	0.593E+01	0.457E+01	0.418E+01
1953	0.401E+01	0.349E+01	0.345E+01	0.357E+01	0.324E+01	0.305E+01	0.324E+01	0.654E+01	0.818E+01	0.382E+01	0.340E+01	0.303E+01
1954	0.320E+01	0.323E+01	0.315E+01	0.284E+01	0.292E+01	0.328E+01	0.410E+01	0.172E+02	0.571E+01	0.359E+01	0.305E+01	0.277E+01
1955	0.297E+01	0.294E+01	0.298E+01	0.291E+01	0.270E+01	0.284E+01	0.344E+01	0.148E+02	0.625E+01	0.348E+01	0.312E+01	0.299E+01
1956	0.293E+01	0.292E+01	0.279E+01	0.273E+01	0.264E+01	0.269E+01	0.304E+01	0.136E+02	0.631E+01	0.316E+01	0.266E+01	0.256E+01
1957	0.291E+01	0.279E+01	0.266E+01	0.260E+01	0.266E+01	0.279E+01	0.304E+01	0.440E+01	0.304E+02	0.565E+01	0.379E+01	0.360E+01
1958	0.331E+01	0.339E+01	0.309E+01	0.279E+01	0.286E+01	0.273E+01	0.386E+01	0.524E+02	0.139E+02	0.485E+01	0.336E+01	0.323E+01
1959	0.336E+01	0.330E+01	0.315E+01	0.281E+01	0.272E+01	0.278E+01	0.310E+01	0.523E+01	0.396E+01	0.298E+01	0.307E+01	0.287E+01
1960	0.314E+01	0.268E+01	0.263E+01	0.270E+01	0.278E+01	0.301E+01	0.347E+01	0.975E+01	0.509E+01	0.321E+01	0.246E+01	0.245E+01
1961	0.257E+01	0.252E+01	0.250E+01	0.225E+01	0.211E+01	0.234E+01	0.243E+01	0.451E+01	0.337E+01	0.253E+01	0.211E+01	0.227E+01
1962	0.249E+01	0.269E+01	0.255E+01	0.229E+01	0.219E+01	0.237E+01	0.111E+02	0.394E+02	0.194E+02	0.577E+01	0.374E+01	0.343E+01
1963	0.337E+01	0.317E+01	0.299E+01	0.294E+01	0.291E+01	0.283E+01	0.285E+01	0.120E+02	0.727E+01	0.346E+01	0.313E+01	0.331E+01
1964	0.327E+01	0.320E+01	0.321E+01	0.305E+01	0.267E+01	0.232E+01	0.263E+01	0.174E+02	0.136E+02	0.468E+01	0.319E+01	0.290E+01
1965	0.290E+01	0.279E+01	0.269E+01	0.259E+01	0.242E+01	0.227E+01	0.274E+01	0.152E+02	0.454E+02	0.101E+02	0.511E+01	0.400E+01
1966	0.374E+01	0.347E+01	0.292E+01	0.256E+01	0.252E+01	0.266E+01	0.588E+01	0.258E+02	0.769E+01	0.392E+01	0.311E+01	0.309E+01
1967	0.320E+01	0.301E+01	0.279E+01	0.260E+01	0.248E+01	0.250E+01	0.295E+01	0.288E+02	0.473E+02	0.101E+02	0.509E+01	0.381E+01
1968	0.339E+01	0.299E+01	0.295E+01	0.293E+01	0.291E+01	0.280E+01	0.316E+01	0.156E+02	0.541E+02	0.805E+01	0.539E+01	0.398E+01
1969	0.400E+01	0.388E+01	0.341E+01	0.326E+01	0.291E+01	0.291E+01	0.641E+01	0.557E+02	0.215E+02	0.791E+01	0.429E+01	0.399E+01
1970	0.380E+01	0.354E+01	0.338E+01	0.337E+01	0.309E+01	0.300E+01	0.279E+01	0.121E+02	0.948E+01	0.410E+01	0.330E+01	0.314E+01
1971	0.307E+01	0.304E+01	0.301E+01	0.300E+01	0.295E+01	0.282E+01	0.286E+01	0.160E+02	0.178E+02	0.394E+01	0.279E+01	0.255E+01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.3327E+01	0.3197E+01	0.3055E+01	0.2926E+01	0.2805E+01	0.2843E+01	0.4456E+01	0.2264E+02	0.1704E+02	0.5095E+01	0.3544E+01	0.3235E+01
0.2198E+00	0.1951E+00	0.1611E+00	0.1905E+00	0.1427E+00	0.1443E+00	0.8928E+01	0.2902E+03	0.2154E+03	0.4843E+01	0.7593E+00	0.3092E+00
0.4688E+00	0.4417E+00	0.4014E+00	0.4364E+00	0.3778E+00	0.3799E+00	0.2988E+01	0.1704E+02	0.1468E+02	0.2201E+01	0.8714E+00	0.5560E+00
0.3082E+00	0.3958E+00	0.1337E+01	0.1116E+01	0.7657E+00	0.5750E+00	0.2490E+01	0.1047E+01	0.1494E+01	0.1216E+01	0.7522E+00	0.1018E+00
0.1409E+00	0.1382E+00	0.1314E+00	0.1492E+00	0.1347E+00	0.1336E+00	0.6706E+00	0.7523E+00	0.8615E+00	0.4319E+00	0.2459E+00	0.1719E+00
0.4486E+01	0.4311E+01	0.4119E+01	0.3945E+01	0.3782E+01	0.3834E+01	0.6008E+01	0.3053E+02	0.2297E+02	0.6870E+01	0.4778E+01	0.4363E+01

09298000 Farm Creek near Whiterocks, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.925	0.874	*	*	*	*	*	*	*	*	*
*	1.000	0.946	0.857	*	*	*	*	*	*	*	*
*	*	1.000	0.954	0.905	*	*	*	*	*	*	*
*	*	*	1.000	0.950	0.758	*	*	*	*	*	*
*	*	*	*	1.000	0.871	0.026	*	*	*	*	*
*	*	*	*	*	1.000	0.259	0.223	*	*	*	*
*	*	*	*	*	*	1.000	0.659	-0.003	*	*	*
*	*	*	*	*	*	*	1.000	0.147	0.392	*	*
*	*	*	*	*	*	*	*	1.000	0.911	0.894	*
*	*	*	*	*	*	*	*	*	1.000	0.928	0.827
*	*	*	*	*	*	*	*	*	*	1.000	0.921
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.800
SEPT-OCT 0.914
SEPT-NOV 0.781

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.373	0.323	0.427	0.470	0.485	0.660	-0.198	-0.349	0.236	0.190	0.272	0.211

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09298500 Whiterocks River above Paradise Creek, near Whiterocks, Utah

LOCATION.--Lat 40°38'10", long 109°58'00", in SW¼ sec.23, T.3 N., R.1 W., Uintah meridian, on right bank 2.75 miles (4.4 km) upstream from Paradise Creek and 12 miles (19 km) northwest of Whiterocks.

DRAINAGE AREA.--90 sq mi (233 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,800 ft (2,377 m) from river-profile map. Prior to Oct. 1, 1950, at datum 1.0 ft (0.305 m) lower.

EXTREMES.--Maximum discharge, 1,780 ft^3/s (50.4 m^3/s) June 18, 1949 (gage height, 3.42 ft or 1.042 m, present datum), from rating curve extended above 820 ft^3/s (23.2 m^3/s); minimum not determined.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1947	23.00	9	23.30	9	23.90	9	25.10	9	30.80	9	33.10	9	34.40	9	36.50	9	44.80	9	74.40	3
1948	17.00	1	17.00	1	17.00	1	17.00	1	17.00	1	17.50	1	18.00	1	18.50	1	30.70	4	132.00	8
1949	20.00	3	21.00	3	21.60	6	22.00	7	22.00	6	22.10	5	23.00	4	24.10	4	27.60	2	78.90	4
1950	22.00	8	22.00	8	22.90	8	25.00	8	25.00	8	26.30	7	27.60	7	29.60	8	37.40	8	124.00	7
1951	21.00	4	21.00	4	21.00	3	21.00	3	21.60	4	22.80	6	23.50	5	24.40	5	28.50	3	107.00	6
1952	21.00	5	21.00	5	21.00	4	21.70	5	24.00	7	27.00	8	27.80	8	28.70	7	35.40	7	99.00	5
1953	21.00	6	21.00	6	21.00	5	21.00	4	21.00	3	21.10	3	22.10	3	23.80	3	31.00	5	146.00	9
1954	19.00	2	19.00	2	19.00	2	19.30	2	19.70	2	19.80	2	19.90	2	20.60	2	25.70	1	70.90	1
1955	21.00	7	21.30	7	22.00	7	22.00	6	22.00	5	22.10	4	23.90	6	25.10	6	31.90	6	73.00	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1946	350.0	10	320.0	10	286.0	10	261.0	10	208.0	10	176.0	10	147.0	10	127.0	10	104.0	10	68.5	10
1947	900.0	5	833.0	5	672.0	5	581.0	4	542.0	4	461.0	2	376.0	2	320.0	2	234.0	2	140.0	2
1948	849.0	6	774.0	6	665.0	6	560.0	5	446.0	5	290.0	6	220.0	6	179.0	6	130.0	6	80.4	6
1949	1240.0	2	1120.0	2	969.0	2	856.0	2	650.0	1	461.0	3	357.0	3	295.0	3	211.0	3	120.0	3
1950	956.0	4	896.0	4	723.0	4	650.0	3	561.0	3	404.0	4	311.0	4	255.0	4	185.0	4	111.0	4
1951	1150.0	3	1070.0	3	821.0	3	504.0	6	436.0	6	298.0	5	261.0	5	227.0	5	163.0	5	95.7	5
1952	1260.0	1	1190.0	1	1040.0	1	862.0	1	626.0	2	499.0	1	406.0	1	353.0	1	262.0	1	148.0	1
1953	790.0	7	751.0	7	642.0	7	466.0	7	342.0	7	235.0	7	190.0	7	159.0	7	116.0	8	73.5	8
1954	624.0	8	504.0	8	426.0	8	405.0	8	297.0	8	205.0	9	172.0	9	147.0	9	114.0	9	69.9	9
1955	379.0	9	362.0	9	303.0	9	275.0	9	240.0	9	211.0	8	173.0	8	158.0	8	119.0	7	75.6	7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	0	3652	100.0	9	48.00	164	1753	48.0	18	150.0	112	606	16.6	27	500	25	104	2.8
1	17.00	60	3652	100.0	10	55.00	163	1589	43.5	19	180.0	61	494	13.5	28	570	22	79	2.1
2	19.00	267	3592	98.4	11	62.00	175	1426	39.0	20	200.0	61	433	11.9	29	650	17	57	1.5
3	22.00	317	3325	91.0	12	71.00	143	1251	34.3	21	230.0	59	372	10.2	30	740	17	40	1.0
4	25.00	367	3008	82.4	13	81.00	96	1108	30.3	22	260.0	52	313	8.6	31	840	12	23	.6
5	29.00	332	2641	72.3	14	92.00	53	1012	27.7	23	300.0	49	261	7.1	32	960	4	11	.3
6	33.00	175	2309	63.2	15	100.00	146	959	26.3	24	340.0	30	212	5.8	33	1100	3	7	.1
7	37.00	213	2134	58.4	16	120.00	149	813	22.3	25	380.0	45	182	5.0	34	1200	4	4	.1
8	42.00	168	1921	52.6	17	140.00	58	664	18.2	26	440.0	33	137	3.8					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1946		66	40	34	14	12	11	16	20	30	24	18	14	11	16	8	9	6	4	4	4	3	1												24996.0
1947			1	38	31	41	31	19	25	15	20	13	4	7	12	4	23	8	4	4	11	11	4	11	9	4	5	5	4	1						51009.0
1948	60	65	11	1	11	5	19	26	34	26	25	7	6	6	13	9	5	4	3	1	2	5	2	1	5	2	7	2	1	1	1					29412.0
1949			65	70	27	24	14	3	12	6	19	9	7	2	7	14	10	11	5	9	9	5	8	3	4	2	4	3	2	3	3	2	1	2		43642.0
1950				44	51	28	19	24	34	21	20	15	6	5	20	11	3	8	1	7	8	3	4	4	4	10	4	3	4	2	2					40677.0
1951		31	46	78	14	23	17	13	5	6	6	7	6	2	8	30	8	14	14	12	2	3	1	1	7	2	1	2	1	2	1		2			34918.0
1952				66	61	16	17	15	7	9	10	13	6	3	6	9	6	20	12	13	18	10	10	5	6	7	3	4	3	3	4	2		2		54331.0
1953			70	39	13	34	14	24	21	21	18	11	11	10	7	16	20	5	5	3	3	3	4	4	1	2		1	2	1	2					26831.0
1954		101	20	14	22	6	33	12	4	17	21	24	12	5	29	15	4	3	3	1	2	2		6	6	1	1	1								25506.0
1955				70	40	40	14	17	12	12	15	18	13	12	5	29	13	5	15	6	7	7	5	6	4											27599.0

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09298500 Whiterocks River above Paradise Creek, near Whiterocks, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	0.685E+02	0.533E+02	0.423E+02	0.373E+02	0.313E+02	0.348E+02	0.501E+02	0.505E+03	0.398E+03	0.209E+03	0.151E+03	0.866E+02
1948	0.655E+02	0.445E+02	0.200E+02	0.190E+02	0.170E+02	0.180E+02	0.311E+02	0.315E+03	0.230E+03	0.100E+03	0.581E+02	0.427E+02
1949	0.372E+02	0.311E+02	0.274E+02	0.250E+02	0.220E+02	0.220E+02	0.404E+02	0.283E+03	0.593E+03	0.182E+03	0.110E+03	0.601E+02
1950	0.581E+02	0.462E+02	0.359E+02	0.300E+02	0.277E+02	0.250E+02	0.597E+02	0.303E+03	0.436E+03	0.165E+03	0.949E+02	0.522E+02
1951	0.401E+02	0.325E+02	0.270E+02	0.250E+02	0.240E+02	0.216E+02	0.240E+02	0.239E+03	0.293E+03	0.134E+03	0.196E+03	0.863E+02
1952	0.583E+02	0.387E+02	0.315E+02	0.293E+02	0.270E+02	0.270E+02	0.584E+02	0.436E+03	0.549E+03	0.221E+03	0.196E+03	0.106E+03
1953	0.533E+02	0.354E+02	0.289E+02	0.239E+02	0.211E+02	0.210E+02	0.284E+02	0.719E+02	0.335E+03	0.125E+03	0.903E+02	0.483E+02
1954	0.386E+02	0.324E+02	0.226E+02	0.197E+02	0.200E+02	0.200E+02	0.490E+02	0.283E+03	0.116E+03	0.104E+03	0.630E+02	0.656E+02
1955	0.530E+02	0.365E+02	0.291E+02	0.274E+02	0.220E+02	0.220E+02	0.260E+02	0.212E+03	0.196E+03	0.101E+03	0.110E+03	0.681E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.5252E+02	0.3896E+02	0.2941E+02	0.2630E+02	0.2357E+02	0.2350E+02	0.4077E+02	0.2942E+03	0.3496E+03	0.1491E+03	0.1187E+03	0.6846E+02
0.1337E+03	0.5663E+02	0.4460E+02	0.3146E+02	0.1939E+02	0.2497E+02	0.1961E+03	0.1558E+05	0.2556E+05	0.2231E+04	0.2656E+04	0.4354E+03
0.1156E+02	0.7525E+01	0.6678E+01	0.5609E+01	0.4403E+01	0.4997E+01	0.1400E+02	0.1248E+03	0.1599E+03	0.4723E+02	0.5154E+02	0.2087E+02
-0.1582E+00	0.9007E+00	0.6732E+00	0.6591E+00	0.4127E+00	0.1632E+01	0.1632E+00	0.4407E-01	0.1915E+00	0.4505E+00	0.6099E+00	0.6212E+00
0.2202E+00	0.1931E+00	0.2271E+00	0.2133E+00	0.1868E+00	0.2127E+00	0.3435E+00	0.4243E+00	0.4573E+00	0.3168E+00	0.4342E+00	0.3048E+00
0.4322E+01	0.3207E+01	0.2420E+01	0.2164E+01	0.1940E+01	0.1934E+01	0.3356E+01	0.2421E+02	0.2877E+02	0.1227E+02	0.9769E+01	0.5634E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.900	0.463	*	*	*	*	*	*	*	*	*
*	1.000	0.639	0.626	*	*	*	*	*	*	*	*
*	*	1.000	0.975	0.948	*	*	*	*	*	*	*
*	*	*	1.000	0.950	0.950	*	*	*	*	*	*
*	*	*	*	1.000	0.933	0.591	*	*	*	*	*
*	*	*	*	*	1.000	0.546	0.727	*	*	*	*
*	*	*	*	*	*	1.000	0.661	0.455	*	*	*
*	*	*	*	*	*	*	1.000	0.351	0.688	*	*
*	*	*	*	*	*	*	*	1.000	0.860	0.459	*
*	*	*	*	*	*	*	*	*	1.000	0.629	0.623
*	*	*	*	*	*	*	*	*	*	1.000	0.886
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.610

SEPT-OCT 0.726

SEPT-NOV 0.397

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.252	-0.068	-0.531	-0.501	-0.312	-0.559	-0.810	-0.322	0.038	-0.240	0.139	-0.132

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09299500 Whiterocks River near Whiterocks, Utah

LOCATION.--Lat 40°33'54", long 109°55'37", in SE¼SE¼SW¼ sec.18, T.2 N., R.1 E., Uintah meridian, Uintah County, on left bank 0.8 mile (1.3 km) upstream from heading of United States Whiterocks Canal, and 6.5 miles (10.5 km) north of Whiterocks.

DRAINAGE AREA.--113 sq mi (293 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 6,980 ft (2,128 m) from river-profile map. Prior to Oct. 16, 1930, nonrecording gages at several sites within 1 mile (1.6 km) of present site at various datums. Oct. 16, 1930, to Nov. 7, 1949, water-stage recorder at site 100 ft (30 m) downstream at different datum.

EXTREMES.--Maximum discharge, 2,750 ft^3/s (77.9 m^3/s) June 20, 21, 1922 (gage height, 5.40 ft or 1.646 m, site and datum then in use), from rating curve extended above 1,700 ft^3/s (48.1 m^3/s); minimum recorded, 10 ft^3/s (0.28 m^3/s) Dec. 5, 1933.

REMARKS.--Flow slightly regulated by small mountain lakes. One small diversion 2 miles (3 km) above station for irrigation of about 100 acres (0.40 km^2) lying both above and below station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1947	27.00 23	27.70 23	28.30 23	29.90 24	34.60 24	36.90 25	38.30 25	40.70 25	48.80 22	80.80 2
1948	26.00 22	26.00 22	26.00 21	26.00 21	26.00 18	26.90 14	27.50 11	28.20 11	40.20 19	149.00 23
1949	23.00 13	24.00 14	24.10 13	24.40 13	24.80 10	25.10 8	26.10 10	27.40 10	30.90 5	91.10 8
1950	25.00 19	25.00 18	28.30 24	32.40 25	34.60 25	35.20 24	35.90 23	37.70 22	44.80 21	137.00 18
1951	25.00 20	25.00 19	25.00 16	25.00 15	25.60 15	27.30 15	28.20 16	29.10 12	34.20 9	123.00 16
1952	25.00 21	25.00 20	25.00 17	25.60 19	26.80 20	29.10 20	29.70 20	30.70 19	37.20 14	102.00 12
1953	28.00 24	28.00 24	28.00 22	28.00 22	28.10 22	28.40 19	28.80 18	30.30 18	38.70 17	167.00 24
1954	23.00 14	24.00 15	24.00 11	24.30 12	25.00 11	25.40 9	25.80 9	26.30 6	31.30 6	84.00 5
1955	23.00 15	24.30 16	25.00 18	25.10 16	25.70 16	26.10 11	28.10 14	29.60 15	36.70 13	82.60 3
1956	23.00 16	23.70 12	24.30 14	24.60 14	25.40 14	27.40 16	28.70 17	29.80 17	35.80 11	82.80 4
1957	20.00 5	20.00 3	20.00 3	20.00 3	20.40 3	22.70 4	23.80 4	25.00 4	28.90 1	89.20 7
1958	19.00 3	20.00 4	20.60 4	21.60 4	22.90 5	30.60 21	32.80 22	37.90 23	54.10 25	123.00 17
1959	20.00 4	20.70 5	20.90 5	21.60 5	22.00 4	22.20 3	22.80 3	24.00 3	29.40 2	115.00 13
1960	22.00 9	22.70 9	22.90 8	22.90 7	23.10 6	23.70 5	24.00 5	25.70 5	37.60 16	88.60 6
1961	16.00 1	16.00 1	16.00 1	16.20 1	17.00 1	18.40 1	20.10 2	21.80 2	29.50 3	75.30 1
1962	21.00 6	21.00 6	21.00 6	21.90 6	24.20 8	30.80 22	32.60 21	36.50 21	53.60 24	98.90 10
1963	18.00 2	18.00 2	18.00 2	18.50 2	19.00 2	19.20 2	19.70 1	21.20 1	29.60 4	141.00 19
1964	22.00 7	22.30 7	22.90 7	23.70 9	25.20 12	26.60 12	27.80 12	29.60 16	40.80 20	96.40 9
1965	24.00 17	25.00 17	25.10 19	25.50 18	25.90 17	26.90 13	27.90 13	29.30 13	33.20 8	117.00 14
1966	28.00 25	28.70 25	28.90 25	29.50 23	34.10 23	35.20 23	36.10 24	38.10 24	51.00 23	168.00 25
1967	25.00 18	25.30 21	25.60 20	26.00 20	27.00 21	28.10 18	29.20 19	31.10 20	37.40 15	101.00 11
1968	23.00 10	23.00 10	24.00 12	24.10 11	25.20 13	25.50 10	25.60 7	26.60 7	32.00 7	146.00 21
1969	22.00 8	22.30 8	23.40 10	23.70 10	24.30 9	24.80 7	25.60 8	27.00 9	34.90 10	147.00 22
1970	23.00 11	23.00 11	23.00 9	23.20 8	23.70 7	24.20 6	24.80 6	26.70 8	38.80 18	143.00 20
1971	23.00 12	24.00 13	24.70 15	25.20 17	26.40 19	27.40 17	28.20 15	29.40 14	36.20 12	120.00 15

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1946	388.0 25	352.0 26	315.0 25	280.0 25	220.0 26	190.0 26	164.0 26	140.0 26	113.0 26	76.2 26
1947	892.0 12	828.0 13	681.0 16	602.0 14	574.0 10	495.0 5	410.0 5	352.0 5	258.0 5	154.0 3
1948	799.0 17	754.0 17	667.0 17	568.0 15	469.0 15	316.0 16	247.0 17	205.0 17	151.0 18	95.6 17
1949	1390.0 4	1210.0 5	1010.0 5	882.0 5	689.0 4	492.0 6	379.0 8	316.0 8	228.0 8	130.0 8
1950	1060.0 9	971.0 9	796.0 12	711.0 9	610.0 7	439.0 10	343.0 9	285.0 9	212.0 9	129.0 9
1951	1120.0 8	1040.0 8	834.0 10	532.0 16	453.0 16	312.0 17	269.0 15	232.0 15	167.0 15	101.0 16
1952	1410.0 3	1310.0 3	1160.0 2	958.0 2	690.0 3	555.0 2	453.0 2	395.0 2	294.0 1	166.0 1
1953	861.0 14	812.0 14	698.0 15	530.0 17	399.0 18	278.0 19	222.0 20	186.0 20	136.0 22	87.6 20
1954	665.0 18	538.0 21	463.0 21	437.0 19	325.0 21	228.0 21	191.0 22	166.0 24	128.0 24	80.0 24
1955	368.0 26	359.0 25	308.0 26	288.0 24	256.0 23	224.0 22	184.0 24	170.0 23	130.0 23	83.3 23
1956	823.0 16	812.0 15	746.0 13	655.0 11	491.0 14	324.0 15	251.0 16	205.0 18	149.0 19	92.5 18
1957	1150.0 7	1090.0 6	949.0 6	681.0 10	536.0 13	378.0 14	309.0 14	268.0 14	192.0 14	111.0 14
1958	1250.0 6	1240.0 4	1090.0 4	900.0 4	678.0 5	442.0 9	340.0 10	275.0 13	201.0 12	127.0 10
1959	408.0 24	385.0 24	357.0 24	305.0 23	245.0 25	214.0 25	194.0 21	180.0 21	140.0 21	84.6 22
1960	533.0 22	477.0 22	379.0 23	279.0 26	256.0 24	221.0 23	187.0 23	157.0 25	121.0 25	79.3 25
1961	448.0 23	436.0 23	389.0 22	328.0 22	280.0 22	217.0 24	183.0 25	170.0 22	145.0 20	87.2 21
1962	828.0 15	810.0 16	746.0 14	648.0 12	578.0 9	478.0 7	395.0 6	336.0 6	251.0 6	152.0 4
1963	609.0 20	574.0 19	523.0 19	410.0 20	326.0 20	269.0 20	225.0 19	196.0 19	152.0 17	90.9 19
1964	916.0 11	887.0 11	841.0 8	615.0 13	546.0 12	416.0 11	334.0 11	283.0 10	201.0 13	121.0 11
1965	1670.0 2	1440.0 1	1220.0 1	965.0 1	798.0 2	596.0 1	471.0 1	397.0 1	285.0 2	159.0 2
1966	558.0 21	541.0 20	486.0 20	405.0 21	375.0 19	280.0 18	240.0 18	207.0 16	164.0 16	108.0 15
1967	954.0 10	906.0 10	840.0 9	737.0 8	628.0 6	552.0 3	437.0 3	366.0 3	260.0 3	149.0 5
1968	1750.0 1	1420.0 2	1100.0 3	936.0 3	830.0 1	542.0 4	430.0 4	358.0 4	258.0 4	145.0 6
1969	873.0 13	855.0 12	805.0 11	748.0 6	605.0 8	469.0 8	384.0 7	329.0 7	246.0 7	141.0 7
1970	637.0 19	599.0 18	567.0 18	513.0 18	451.0 17	385.0 13	323.0 13	281.0 12	203.0 11	121.0 12
1971	1260.0 5	1090.0 7	924.0 7	738.0 7	557.0 11	405.0 12	332.0 12	283.0 11	206.0 10	121.0 13

09299500 Whiterocks River near Whiterocks, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	9496	100.0	9	49.00	413	4924	51.9	18	180.0	220	1645	17.3	27	620	80	225	2.3
1	16.00	18	9496	100.0	10	57.00	418	4511	47.5	19	200.0	254	1425	15.0	28	720	63	145	1.5
2	18.00	139	9478	99.8	11	65.00	366	4093	43.1	20	230.0	243	1171	12.3	29	830	35	82	.8
3	21.00	245	9339	98.3	12	75.00	304	3727	39.2	21	270.0	138	928	9.8	30	950	20	47	.4
4	24.00	1023	9094	95.8	13	87.00	304	3423	36.0	22	310.0	134	790	8.3	31	1100	21	27	.2
5	28.00	1135	8071	85.0	14	100.00	246	3119	32.8	23	350.0	133	656	6.9	32	1300	4	6	.0
6	32.00	933	6936	73.0	15	110.00	416	2873	30.3	24	410.0	119	523	5.5	33	1500	1	2	.0
7	37.00	660	6003	63.2	16	130.00	375	2457	25.9	25	470.0	104	404	4.3	34	1700	1	1	.0
8	43.00	419	5343	56.3	17	150.00	437	2082	21.9	26	540.0	75	300	3.2					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
1946			1	67	39	41	17	26	34	27	9	14	10	24	14	18	6	5	5	1	6	1													27830.0
1947					39	40	40	28	30	22	20	14	4	9	6	12	16	10	5	7	6	16	13	8	8	8	2	2							56034.0
1948				38	87	11	10	5	28	41	31	18	11	8	19	10	11	3	4	2	4	4	2	5	6	4	1	3							34994.0
1949			1	62	55	45	26	9	18	4	3	11	4	12	19	18	14	1	6	11	5	7	8	5	2	2	5	4	3	1	3	1			47306.0
1950						66	39	36	27	20	24	15	12	20	11	16	20	2	5	11	2	5	6	4	7	6	3	4	2	2						46994.0
1951				51	72	41	18	25	17	9	11	8	3	6	13	24	14	9	6	15	4		5	2	3	2	3		2	1	1				36798.0
1952				2	80	53	25	12	13	5	9	8	6	4	9	7	7	16	20	19	20	8	9	5	7	3	6	4	1	4	2	2			60696.0
1953				4	102	35	30	23	23	22	10	20	9	11	16	5	23	3	3	4	5	5	2	3	1	1	1	2	2						31956.0
1954			1	92	33	25	16	30	11	19	12	24	18	6	27	13	13	3	2	1	2	1	6	8	1		1								29182.0
1955			1	58	41	39	28	19	14	12	20	13	16	8	26	13	15	8	9	8	8	7	2												30422.0
1956				2	35	58	43	33	30	28	34	11	3	13	5	9	20	6	2	3	6	3	2	2	2	4	4	4	4						33866.0
1957			28	22	69	47	19	29	4	1	6	8	4	4	7	12	16	19	13	14	6	4	9	5	7	5		1		2	2	2			40436.0
1958					49	32	22	14	15	39	26	32	41	11	10	4	11	11	11	9	1	2	2	1	3	1	5	6	1	2	4				46536.0
1959			1	71	47	22	24	32	11	9	3	3		7	11	28	27	28	8	10	11	2	5	5											30870.0
1960				41	54	20	30	19	7	24	26	30	13	9	10	10	20	13	6	9	17	3	1	1	1	2										29012.0
1961		18	39	33	58	9	11	14	6	19	5	3	3	12	15	25	30	14	5	15	14	5	5	4	3										31844.0
1962				8	34	34	19	18	31	13	16	9	10	24	15	19	22	10	13	17	6	5	5	8	7	6	10	6							55559.0
1963			71	41	27	19	23	12	4	7	6	2	4	25	15	19	19	21	12	5	5	9	9	2	3	2	3									33192.0
1964					50	64	38	20	12	15	7	11	15	14	8	10	13	24	8	7	4	4	8	13	5	4	2	1	5	4						44223.0
1965					38	67	58	11	24	14	3	6	6	1	1	17	13	14	5	8	12	13	6	4	5	9	9	9	2	4	2	2	1	1			58096.0
1966						4	51	41	28	9	22	26	25	22	24	25	10	27	11	9	1	5	10	6	5	2	2										39306.0
1967					18	63	58	46	6	9	12	11	6	9	3	6	8	22	11	10	11	3	3	3	9	10	7	6	9	5	1					54329.0
1968				4	94	45	34	19	4	4	7	7	6	3	5	22	11	17	9	21	16	3	1	3	5	4	3	3	3	2	4	6		1		53040.0
1969				10	74	18	29	33	13	5	9	4	9	14	8	14	10	19	12	21	15	4	10	3	5	4	4	8	7	3						51301.0
1970				17	90	26	18	10	8	6	20	20	14	5	5	10	13	14	14	17	7	7	4	15	12	7	5	1								44177.0
1971				1	53	53	38	27	14	12	10	13	9	8	5	11	16	19	16	11	11	8	5	3	3	6	3	4	2	2	1	1				44323.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.147E+03	0.783E+02	0.468E+02	0.348E+02	0.315E+02	0.340E+02	0.414E+02	0.523E+03	0.596E+03	0.211E+03	0.123E+03	0.987E+02
1942	0.135E+03	0.905E+02	0.587E+02	0.434E+02	0.365E+02	0.357E+02	0.649E+02	0.305E+03	0.568E+03	0.203E+03	0.122E+03	0.657E+02
1943	0.537E+02	0.404E+02	0.357E+02	0.301E+02	0.300E+02	0.314E+02	0.110E+03	0.270E+03	0.211E+03	0.146E+03	0.128E+03	0.636E+02
1944	0.540E+02	0.444E+02	0.370E+02	0.360E+02	0.289E+02	0.273E+02	0.375E+02	0.358E+03	0.831E+03	0.339E+03	0.135E+03	0.640E+02
1945	0.541E+02	0.425E+02	0.357E+02	0.338E+02	0.306E+02	0.310E+02	0.386E+02	0.259E+03	0.347E+03	0.182E+03	0.151E+03	0.837E+02
1946	0.610E+02	0.439E+02	0.376E+02	0.346E+02	0.292E+02	0.300E+02	0.108E+03	0.176E+03	0.158E+03	0.968E+02	0.763E+02	0.615E+02
1947	0.696E+02	0.594E+02	0.473E+02	0.411E+02	0.353E+02	0.389E+02	0.601E+02	0.539E+03	0.432E+03	0.242E+03	0.174E+03	0.924E+02
1948	0.723E+02	0.561E+02	0.300E+02	0.280E+02	0.260E+02	0.286E+02	0.412E+02	0.334E+03	0.270E+03	0.119E+03	0.831E+02	0.553E+02
1949	0.409E+02	0.338E+02	0.315E+02	0.280E+02	0.251E+02	0.250E+02	0.493E+02	0.325E+03	0.618E+03	0.185E+03	0.124E+03	0.671E+02
1950	0.645E+02	0.521E+02	0.432E+02	0.374E+02	0.348E+02	0.355E+02	0.764E+02	0.339E+03	0.470E+03	0.190E+03	0.121E+03	0.783E+02
1951	0.486E+02	0.389E+02	0.321E+02	0.300E+02	0.289E+02	0.256E+02	0.268E+02	0.251E+03	0.312E+03	0.141E+03	0.189E+03	0.802E+02
1952	0.593E+02	0.404E+02	0.342E+02	0.310E+02	0.292E+02	0.289E+02	0.714E+02	0.493E+03	0.604E+03	0.250E+03	0.221E+03	0.124E+03
1953	0.684E+02	0.398E+02	0.348E+02	0.290E+02	0.283E+02	0.293E+02	0.357E+02	0.944E+02	0.390E+03	0.144E+03	0.104E+03	0.536E+02
1954	0.450E+02	0.365E+02	0.274E+02	0.253E+02	0.261E+02	0.265E+02	0.608E+02	0.311E+03	0.135E+03	0.112E+03	0.772E+02	0.711E+02
1955	0.587E+02	0.417E+02	0.342E+02	0.319E+02	0.264E+02	0.258E+02	0.313E+02	0.224E+03	0.207E+03	0.110E+03	0.123E+03	0.806E+02
1956	0.563E+02	0.387E+02	0.332E+02	0.307E+02	0.278E+02	0.278E+02	0.410E+02	0.381E+03	0.248E+03	0.110E+03	0.656E+02	0.458E+02
1957	0.391E+02	0.335E+02	0.287E+02	0.224E+02	0.228E+02	0.261E+02	0.231E+02	0.748E+02	0.534E+03	0.218E+03	0.180E+03	0.128E+03
1958	0.955E+02	0.746E+02	0.535E+02	0.372E+02	0.300E+02	0.310E+02	0.527E+02	0.490E+03	0.367E+03	0.146E+03	0.776E+02	0.668E+02
1959	0.429E+02	0.362E+02	0.278E+02	0.228E+02	0.221E+02	0.234E+02	0.305E+02	0.143E+03	0.245E+03	0.151E+03	0.154E+03	0.113E+03
1960	0.806E+02	0.410E+02	0.283E+02	0.249E+02	0.237E+02	0.265E+02	0.504E+02	0.193E+03	0.217E+03	0.135E+03	0.703E+02	0.588E+02
1961	0.520E+02	0.367E+02	0.270E+02	0.231E+02	0.192E+02	0.178E+02	0.242E+02	0.194E+03	0.215E+03	0.119E+03	0.126E+03	0.190E+03
1962	0.106E+03	0.627E+02	0.483E+02	0.352E+02	0.328E+02	0.298E+02	0.118E+03	0.359E+03	0.575E+03	0.229E+03	0.144E+03	0.824E+02
1963	0.584E+02	0.325E+02	0.246E+02	0.197E+02	0.196E+02	0.210E+02	0.252E+02	0.266E+03	0.245E+03	0.149E+03	0.104E+03	0.121E+03
1964	0.785E+02	0.464E+02	0.355E+02	0.302E+02	0.274E+02	0.260E+02	0.307E+02	0.311E+03	0.423E+03	0.199E+03	0.153E+03	0.864E+02
1965	0.467E+02	0.340E+02	0.335E+02	0.291E+02	0.259E+02	0.284E+02	0.393E+02	0.158E+03	0.789E+03	0.388E+03	0.198E+03	0.140E+03
1966	0.929E+02	0.566E+02	0.429E+02	0.366E+02	0.361E+02	0.374E+02	0.842E+02	0.366E+03	0.188E+03	0.156E+03	0.995E+02	0.893E+02
1967	0.613E+02	0.366E+02	0.368E+02	0.304E+02	0.282E+02	0.289E+02	0.364E+02	0.294E+03	0.614E+03	0.308E+03	0.187E+03	0.121E+03
1968	0.521E+02	0.326E+02	0.294E+02	0.252E+02	0.259E+02	0.262E+02	0.322E+02	0.152E+03	0.825E+03	0.235E+03	0.184E+03	0.126E+03
1969	0.603E+02	0.384E+02	0.309E+02	0.268E+02	0.253E+02	0.252E+02	0.654E+02	0.575E+03	0.347E+03	0.215E+03	0.163E+03	0.103E+03
1970	0.733E+02	0.503E+02	0.324E+02	0.260E+02	0.246E+02	0.237E+02	0.270E+02	0.265E+03	0.398E+03	0.233E+03	0.164E+03	0.129E+03
1971	0.589E+02	0.391E+02	0.328E+02	0.298E+02	0.284E+02	0.265E+02	0.343E+02	0.202E+03	0.549E+03	0.219E+03	0.150E+03	0.853E+02

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09299500 Whiterocks River near Whiterocks, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.6734E+02	0.4608E+02	0.3587E+02	0.3047E+02	0.2796E+02	0.2837E+02	0.5056E+02	0.2976E+03	0.4171E+03	0.1897E+03	0.1346E+03	0.9110E+02
0.6416E+03	0.2036E+03	0.6564E+02	0.3145E+02	0.1882E+02	0.2111E+02	0.6752E+03	0.1657E+05	0.4016E+05	0.4778E+04	0.1720E+04	0.1018E+04
0.2533E+02	0.1427E+02	0.8102E+01	0.5608E+01	0.4338E+01	0.4595E+01	0.2598E+02	0.1287E+03	0.2004E+03	0.6912E+02	0.4148E+02	0.3191E+02
0.1805E+01	0.1680E+01	0.1198E+01	0.2950E+00	0.1255E+00	0.3447E+00	0.1301E+01	0.4731E+00	0.5469E+00	0.1049E+01	0.6872E-01	0.1066E+01
0.3762E+00	0.3097E+00	0.2259E+00	0.1840E+00	0.1552E+00	0.1620E+00	0.5139E+00	0.4325E+00	0.4805E+00	0.3643E+00	0.3082E+00	0.3503E+00
0.4753E+01	0.3252E+01	0.2532E+01	0.2151E+01	0.1973E+01	0.2002E+01	0.3569E+01	0.2101E+02	0.2944E+02	0.1339E+02	0.9498E+01	0.6431E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.904	0.760	*	*	*	*	*	*	*	*	*
*	1.000	0.888	0.743	*	*	*	*	*	*	*	*
*	*	1.000	0.908	0.842	*	*	*	*	*	*	*
*	*	*	1.000	0.926	0.846	*	*	*	*	*	*
*	*	*	*	1.000	0.927	0.568	*	*	*	*	*
*	*	*	*	*	1.000	0.529	0.426	*	*	*	*
*	*	*	*	*	*	1.000	0.310	-0.150	*	*	*
*	*	*	*	*	*	*	1.000	0.060	0.122	*	*
*	*	*	*	*	*	*	*	1.000	0.857	0.587	*
*	*	*	*	*	*	*	*	*	1.000	0.691	0.359
*	*	*	*	*	*	*	*	*	*	1.000	0.592
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.287

SEPT-OCT 0.635

SEPT-NOV 0.367

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR,

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.116	0.070	-0.063	0.011	0.014	0.130	-0.257	-0.443	-0.113	-0.042	-0.115	-0.137

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09301000 Dry Gulch near Neola, Utah

LOCATION.--Lat 40°27'50", long 110°09'40", in SW¼ sec.19, T.1 N., R.2 W., Uintah meridian, on right bank 1.3 miles (2.2 km) above Highline Canal crossing, 7 miles (11 km) west northwest of Neola, and 8 miles (13 km) northeast of Altonah.

DRAINAGE AREA.--67 sq mi (174 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 6,800 ft (2,073 m) from topographic map.

EXTREMES.--Maximum discharge, 381 ft^3/s (10.8 m^3/s) Apr. 29, 1952 (gage height, 4.63 ft or 1.411 m), from rating curve extended above 120 ft^3/s (3.40 m^3/s) by logarithmic plotting; no flow during parts of each year.

REMARKS.--None.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1946	7.00	12	7.17	12	10.10	12	12.10	12	14.10	12	15.30	11	15.70	11	16.60	10	34.00	11	55.40	8
1947	0.80	7	1.07	7	1.11	7	1.14	7	1.64	5	1.92	5	2.27	4	2.76	3	6.64	4	34.20	5
1948	2.70	11	3.23	11	4.30	11	5.18	11	14.00	11	23.20	12	22.20	12	25.50	12	45.50	12	142.00	11
1949	0.40	6	0.40	5	0.46	5	0.49	4	0.69	4	0.82	3	1.06	1	1.72	1	6.99	5	45.40	6
1950	1.00	8	1.10	8	1.33	8	1.49	8	1.69	6	2.78	7	3.92	7	4.50	7	26.40	9	129.00	10
1951	1.90	10	2.10	10	2.27	10	2.49	10	3.32	10	4.39	9	4.73	8	4.90	8	16.50	7	72.80	9
1952	0.20	3	0.30	3	0.36	3	0.49	5	1.83	8	4.69	10	6.87	9	6.92	9	19.60	8	46.70	7
1953	1.70	9	1.90	9	1.90	9	2.29	9	2.65	9	3.94	8	8.33	10	18.00	11	33.40	10	165.00	12
1954	0.30	4	0.37	4	0.39	4	0.46	3	0.58	3	0.81	2	1.09	2	2.05	2	8.55	6	23.20	1
1955	0.00	1	0.00	1	0.00	1	0.05	1	0.44	2	0.50	1	1.98	3	3.30	6	6.59	3	28.20	3
1956	0.00	2	0.00	2	0.11	2	0.32	2	0.39	1	1.64	4	3.06	6	2.84	4	5.26	2	25.50	2
1957	0.40	5	0.43	6	0.56	6	0.72	6	1.71	7	2.45	6	2.85	5	3.19	5	4.00	1	31.60	4

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1945	355.0	10	303.0	10	224.0	10	202.0	10	154.0	8	97.4	8	90.5	7	85.1	7	84.1	7	55.8	7
1946	116.0	12	107.0	12	95.0	12	93.0	12	89.9	12	88.5	9	86.3	8	83.9	8	63.7	9	35.6	11
1947	1240.0	5	1040.0	5	862.0	5	790.0	4	730.0	3	574.0	2	390.0	2	311.0	2	236.0	2	137.0	2
1948	693.0	8	551.0	8	418.0	8	243.0	8	147.0	9	100.0	7	95.1	6	95.8	6	94.6	6	57.3	6
1949	2850.0	1	2330.0	1	1870.0	2	1480.0	2	958.0	2	523.0	3	353.0	3	289.0	3	217.0	3	118.0	3
1950	1460.0	4	1370.0	4	963.0	4	778.0	5	555.0	5	294.0	5	212.0	5	190.0	4	165.0	4	92.2	4
1951	1170.0	6	959.0	6	624.0	6	298.0	6	208.0	6	106.0	6	75.4	11	59.3	12	62.4	10	39.9	8
1952	2370.0	2	2260.0	2	2040.0	1	1580.0	1	981.0	1	667.0	1	519.0	1	418.0	1	296.0	1	165.0	1
1953	949.0	7	779.0	7	473.0	7	233.0	9	121.0	10	87.1	12	84.7	9	75.4	9	62.2	11	36.8	9
1954	244.0	11	140.0	11	74.3	13	62.0	13	61.0	13	51.4	13	44.6	13	34.7	13	28.1	13	16.1	13
1955	106.0	13	102.0	13	101.0	11	99.3	11	94.7	11	87.3	11	81.6	10	70.0	10	50.9	12	29.0	12
1956	521.0	9	430.0	9	317.0	9	266.0	7	169.0	7	88.2	10	69.7	12	64.5	11	65.8	8	36.4	10
1957	1620.0	3	1560.0	3	1300.0	3	887.0	3	674.0	4	346.0	4	237.0	4	180.0	5	138.0	5	75.9	5

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	26	4748	100.0	9	2.20	207	4228	89.0	18	34.0	217	2079	43.8	27	540	44	116	2.4
1	0.10	5	4722	99.5	10	2.90	294	4021	84.7	19	46.0	362	1862	39.2	28	730	35	72	1.5
2	0.20	14	4717	99.3	11	4.00	298	3727	78.5	20	63.0	586	1500	31.6	29	1000	12	37	.7
3	0.30	42	4703	99.1	12	5.40	286	3429	72.2	21	85.0	510	914	19.3	30	1400	16	25	.5
4	0.50	30	4661	98.2	13	7.30	223	3143	66.2	22	120.0	113	404	8.5	31	1800	8	9	.1
5	0.60	84	4631	97.5	14	10.00	219	2920	61.5	23	160.0	49	291	6.1	32	2500	1	1	.0
6	0.90	85	4547	95.8	15	14.00	206	2701	56.9	24	210.0	49	242	5.1	33				
7	1.20	125	4462	94.0	16	18.00	221	2495	52.5	25	290.0	40	193	4.1	34				
8	1.60	109	4337	91.3	17	25.00	195	2274	47.9	26	400.0	37	153	3.2					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1945												2	10	30	45	56	33	13	30	62	65	6	4	7	2											20360.0
1946						1	5	14	20	44	18	2	15	20	22	19	35	15	10	9	49	67															12986.5
1947									6	3	5	8	9	12	41	21	36	30	14	29	96	2	2	3	4	8	18	15	3							49920.3
1948					5	7	23	27	19	3	7	11	2	2	10	9	4	15	16	24	30	18	103	20	2	4	2	2	1							20970.1
1949							6	12	21	27	20	24	14	15	4	13	14	7	11	31	91	9	12	7	4	1	3	2	6	2	5	3	1			43101.9
1950									2	34	21	18	25	25	16	13	7	9	11	33	17	43	61	4	2	6	6	6	3	1	2						33648.8
1951				1	6		10	11	10	3	12	33	45	40	20	15	8	15	9	31	27	39	16	2	4	2	1	1	2	1	1					14565.4
1952								18	2	6	5	2	1	6	26	13	14	15	12	65	62	25	7	24	17	14	6	7	6	3	5	5				60515.4
1953					18	11	16	12	9	15	16	54	17	27	23	15	8	2	3	8	2	66	37			2		2		2							13437.2
1954	22	3	9	4	5	8	10	10	15	13	34	34	62	21	15	6	11	11	16	47	7		1		1											5860.1
1955	4	2	4	7	5	15	6	10	3	3	9	37	33	31	30	18	14	12	26	3	63	30														10598.5
1956						1	1	3	11	17	25	57	67	23	8	4	6	7	13	23	16	50	17	2	2	6	6	1									13311.1
1957				2	1	10	5	12	8	14	29	45	34	25	21	12	10	16	2	55	33	2			1	4	8	8	2	2	4						27686.3

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09301000 Dry Gulch near Neola, Utah--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1945	0.164E+02	0.307E+02	0.762E+02	0.100E+03	0.880E+02	0.752E+02	0.465E+02	0.349E+02	0.154E+03	0.188E+02	0.179E+02	0.144E+02
1946	0.174E+02	0.537E+02	0.893E+02	0.860E+02	0.800E+02	0.551E+02	0.205E+02	0.122E+02	0.830E+01	0.242E+01	0.244E+01	0.198E+01
1947	0.146E+02	0.513E+02	0.871E+02	0.868E+02	0.983E+02	0.874E+02	0.158E+02	0.467E+03	0.663E+03	0.234E+02	0.308E+02	0.187E+02
1948	0.328E+02	0.701E+02	0.990E+02	0.850E+02	0.923E+02	0.105E+03	0.483E+02	0.122E+03	0.287E+02	0.176E+01	0.923E+00	0.720E+00
1949	0.358E+01	0.162E+02	0.648E+02	0.780E+02	0.811E+02	0.105E+03	0.234E+02	0.186E+03	0.833E+03	0.293E+02	0.303E+01	0.284E+01
1950	0.685E+01	0.381E+02	0.861E+02	0.120E+03	0.110E+03	0.115E+03	0.370E+02	0.222E+03	0.358E+03	0.530E+01	0.655E+01	0.525E+01
1951	0.361E+01	0.315E+02	0.535E+02	0.777E+02	0.586E+02	0.175E+02	0.450E+01	0.136E+03	0.707E+02	0.199E+01	0.168E+02	0.647E+01
1952	0.405E+01	0.281E+02	0.765E+02	0.648E+02	0.620E+02	0.863E+02	0.228E+03	0.462E+03	0.859E+03	0.632E+02	0.472E+02	0.117E+02
1953	0.311E+01	0.113E+02	0.800E+02	0.800E+02	0.900E+02	0.463E+02	0.516E+01	0.417E+01	0.121E+03	0.306E+01	0.170E+01	0.640E+00
1954	0.370E+01	0.138E+02	0.368E+02	0.610E+02	0.246E+02	0.471E+01	0.410E+01	0.282E+02	0.601E+01	0.639E+00	0.532E+00	0.831E+01
1955	0.157E+02	0.907E+01	0.240E+02	0.700E+02	0.800E+02	0.941E+02	0.170E+02	0.179E+02	0.137E+02	0.155E+01	0.292E+01	0.517E+01
1956	0.235E+01	0.153E+02	0.680E+02	0.657E+02	0.652E+02	0.325E+02	0.318E+01	0.105E+03	0.676E+02	0.402E+01	0.411E+01	0.360E+01
1957	0.183E+01	0.380E+01	0.284E+02	0.600E+02	0.682E+02	0.316E+02	0.616E+01	0.394E+01	0.649E+03	0.408E+02	0.183E+02	0.879E+01

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

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BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.9683E+01	0.2869E+02	0.6690E+02	0.7962E+02	0.7680E+02	0.6588E+02	0.3540E+02	0.1345E+03	0.2948E+03	0.1509E+02	0.1179E+02	0.6815E+01
0.8380E+02	0.4018E+03	0.5892E+03	0.2842E+03	0.4685E+03	0.1349E+04	0.3613E+04	0.2604E+05	0.1117E+06	0.3769E+03	0.1998E+03	0.2997E+02
0.9154E+01	0.2005E+02	0.2427E+02	0.1686E+02	0.2165E+02	0.3673E+02	0.6011E+02	0.1614E+03	0.3342E+03	0.1941E+02	0.1414E+02	0.5475E+01
0.1460E+01	0.7753E+00	-0.7020E+00	0.1115E+01	-0.9643E+00	-0.2862E+00	0.3185E+01	0.1376E+01	0.8193E+00	0.1555E+01	0.1586E+01	0.9468E+00
0.9454E+00	0.6986E+00	0.3628E+00	0.2117E+00	0.2818E+00	0.5575E+00	0.1698E+01	0.1155E+01	0.1134E+01	0.1286E+01	0.1199E+01	0.8033E+00
0.1167E+01	0.3457E+01	0.8061E+01	0.9592E+01	0.9253E+01	0.7937E+01	0.4265E+01	0.1669E+02	0.3552E+02	0.1818E+01	0.1420E+01	0.8211E+00

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.768	0.448	*	*	*	*	*	*	*	*	*
*	1.000	0.777	0.524	*	*	*	*	*	*	*	*
*	*	1.000	0.617	0.596	*	*	*	*	*	*	*
*	*	*	1.000	0.765	0.566	*	*	*	*	*	*
*	*	*	*	1.000	0.759	-0.041	*	*	*	*	*
*	*	*	*	*	1.000	0.357	0.439	*	*	*	*
*	*	*	*	*	*	1.000	0.608	0.489	*	*	*
*	*	*	*	*	*	*	1.000	0.677	0.567	*	*
*	*	*	*	*	*	*	*	1.000	0.880	0.654	*
*	*	*	*	*	*	*	*	*	1.000	0.809	0.493
*	*	*	*	*	*	*	*	*	*	1.000	0.750
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.278
SEPT-OCT 0.720
SEPT-NOV 0.526

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.199	0.471	0.287	0.235	-0.121	-0.004	-0.212	-0.132	-0.311	-0.348	-0.118	-0.559

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09302000 Duchesne River near Randlett, Utah

LOCATION.--Lat 40°12'57", long 109°47'05", in SE¼SE¼SE¼ sec.17, T.3 S., R.2 E., Uintah meridian, Uintah County, on right bank 0.2 mile (0.3 km) downstream from Uinta River, 1.2 miles (1.9 km) southeast of Randlett, and 6.5 miles (10.5 km) southeast of Fort Duchesne. Prior to Aug. 31, 1970, at site 100 ft (30 m) downstream on left bank.

DRAINAGE AREA.--3,920 sq mi (10,150 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 4,758.0 ft (1,450.238 m) above mean sea level, Prior to Aug. 23, 1944, water-stage recorder at site 600 ft (183 m) downstream at different datum. Aug. 23, 1944 to Sept. 4, 1964, and June 7, 1968 to Aug. 31, 1970, at site 100 ft (30 m) downstream at datum 0.36 ft (0.110 m) lower. Sept. 5, 1964 to June 6, 1968, at site 400 ft (120 m) upstream at datum 0.55 ft (0.168 m) lower.

EXTREMES.--Maximum discharge, 10,300 ft^3/s (292 m^3/s) June 13, 1965 (gage height, 8.33 ft or 2.539 m, site and datum then in use); maximum gage height, 9.03 ft (2.752 m) Feb. 13, 1962, site and datum then in use (backwater from ice); minimum discharge, 2.2 ft^3/s (0.062 m^3/s) Aug. 12, 1961.

REMARKS.--Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to The Great Basin through Duchesne and Strawberry tunnels, Hobble Creek ditch, and Strawberry River and Willow Creek ditch.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1944	112.00 23	112.00 21	116.00 21	120.00 21	136.00 19	191.00 21	257.00 21	306.00 22	337.00 20	645.00 18
1945	80.00 20	83.30 20	85.10 19	94.40 19	102.00 17	116.00 16	202.00 19	259.00 20	330.00 19	960.00 26
1946	135.00 26	137.00 25	141.00 25	151.00 24	194.00 25	257.00 24	306.00 25	330.00 25	348.00 22	540.00 15
1947	18.00 9	19.00 8	21.10 8	27.10 9	43.90 10	83.40 14	80.50 12	120.00 12	253.00 15	481.00 12
1948	131.00 25	140.00 26	148.00 26	155.00 25	178.00 24	239.00 23	279.00 23	306.00 21	376.00 23	780.00 22
1949	12.00 6	13.30 5	14.10 4	15.30 4	20.80 5	27.60 6	30.50 4	44.00 3	129.00 5	406.00 11
1950	71.00 18	75.00 18	76.10 18	87.90 18	102.00 18	119.00 17	166.00 17	249.00 18	328.00 18	893.00 25
1951	71.00 19	71.00 17	72.40 17	74.30 16	101.00 16	183.00 20	205.00 20	258.00 19	338.00 21	763.00 21
1952	113.00 24	116.00 22	124.00 23	128.00 22	148.00 22	223.00 22	307.00 26	362.00 26	407.00 26	634.00 17
1953	308.00 28	316.00 28	324.00 28	327.00 27	334.00 27	364.00 27	419.00 27	465.00 27	517.00 27	1460.00 28
1954	66.00 16	66.70 16	70.40 16	72.80 15	77.00 15	88.20 15	124.00 15	145.00 15	228.00 14	403.00 9
1955	10.00 4	11.00 3	11.90 3	12.50 3	17.90 4	23.90 3	26.80 3	52.10 6	135.00 7	271.00 4
1956	12.00 5	14.30 6	15.60 6	17.60 6	25.80 7	62.60 12	72.70 10	79.50 7	152.00 8	331.00 7
1957	13.00 7	15.30 7	18.10 7	18.70 7	21.00 6	25.00 4	33.50 5	46.20 4	127.00 4	404.00 10
1958	108.00 21	120.00 24	138.00 24	165.00 26	177.00 23	264.00 26	268.00 22	315.00 24	399.00 25	673.00 19
1959	13.00 8	13.30 4	15.00 5	16.60 5	17.70 3	26.80 5	35.70 6	49.70 5	133.00 6	531.00 14
1960	0.00 1	20.00 10	22.30 9	23.10 8	25.90 8	50.10 8	66.90 8	94.10 9	156.00 9	241.00 2
1961	9.40 3	10.10 2	10.30 2	12.30 2	12.70 2	14.20 2	17.40 2	31.10 2	89.80 2	189.00 1
1962	3.20 2	3.37 1	4.20 1	4.44 1	5.40 1	8.36 1	16.80 1	28.90 1	61.40 1	287.00 5
1963	35.00 14	37.30 13	39.30 13	40.40 13	47.10 13	60.70 11	105.00 13	130.00 14	201.00 12	620.00 16
1964	22.00 11	23.70 11	25.60 10	27.40 10	32.10 9	58.20 10	121.00 14	120.00 13	179.00 11	292.00 6
1965	43.00 15	45.30 15	46.90 14	50.70 14	54.60 14	63.10 13	76.10 11	94.70 10	210.00 13	512.00 13
1966	280.00 27	302.00 27	315.00 27	486.00 28	540.00 28	635.00 28	659.00 28	688.00 28	722.00 28	1320.00 27
1967	25.00 12	27.00 12	32.90 12	35.10 12	46.40 12	47.60 7	63.10 7	84.00 8	157.00 10	396.00 8
1968	67.00 17	76.00 19	91.90 20	115.00 20	142.00 21	168.00 19	181.00 18	203.00 16	312.00 17	820.00 23
1969	109.00 22	117.00 23	118.00 22	146.00 23	206.00 26	262.00 25	284.00 24	308.00 23	396.00 24	835.00 24
1970	35.00 13	45.00 14	61.90 15	75.30 17	140.00 20	153.00 18	159.00 16	215.00 17	255.00 16	733.00 20
1971	19.00 10	19.70 9	26.00 11	29.40 11	44.30 11	57.20 9	71.80 9	97.60 11	112.00 3	270.00 3

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1943	3950.0 17	3150.0 18	2780.0 18	2200.0 18	1840.0 17	1680.0 15	1400.0 13	1170.0 12	932.0 12	631.0 12
1944	7000.0 5	6030.0 6	5310.0 7	4890.0 5	4300.0 4	3530.0 3	2640.0 3	2190.0 3	1610.0 3	952.0 3
1945	2510.0 21	2220.0 21	1820.0 20	1650.0 20	1530.0 20	1270.0 18	1010.0 17	881.0 16	739.0 16	572.0 14
1946	1650.0 23	1590.0 23	1470.0 22	1380.0 22	1260.0 21	1120.0 19	881.0 20	785.0 20	647.0 22	437.0 20
1947	4150.0 16	3630.0 16	3220.0 15	2970.0 13	2880.0 11	2550.0 7	1890.0 8	1530.0 9	1200.0 9	787.0 8
1948	2540.0 20	2470.0 20	2410.0 19	2100.0 19	1670.0 19	1030.0 21	918.0 19	813.0 19	691.0 20	456.0 19
1949	8230.0 3	7400.0 3	6320.0 4	5470.0 4	4050.0 6	3040.0 5	2380.0 4	1970.0 4	1450.0 4	833.0 5
1950	5170.0 10	4920.0 10	4250.0 9	3780.0 10	3550.0 7	2490.0 8	1940.0 7	1600.0 7	1240.0 7	803.0 7
1951	4600.0 11	4470.0 11	3830.0 12	2760.0 14	2520.0 12	1760.0 14	1350.0 14	1090.0 14	838.0 14	601.0 13
1952	8400.0 2	8240.0 2	7910.0 1	7090.0 1	5740.0 2	5050.0 1	4030.0 1	3300.0 1	2400.0 1	1430.0 1
1953	4480.0 12	4110.0 13	3480.0 14	2630.0 17	1820.0 18	1060.0 20	774.0 22	701.0 22	673.0 21	490.0 17
1954	1280.0 26	1190.0 26	995.0 26	903.0 26	620.0 26	451.0 26	448.0 26	423.0 24	415.0 24	264.0 26
1955	1640.0 24	1590.0 24	1280.0 25	996.0 25	851.0 25	685.0 23	603.0 23	575.0 23	505.0 23	342.0 23
1956	3560.0 18	3440.0 17	3160.0 16	2760.0 15	2270.0 16	1390.0 17	1010.0 18	868.0 17	723.0 18	432.0 21
1957	5820.0 9	5750.0 8	5140.0 8	3990.0 8	3140.0 10	1980.0 12	1440.0 12	1170.0 13	865.0 13	561.0 15
1958	6160.0 7	5910.0 7	5410.0 6	4510.0 7	3360.0 8	2050.0 10	1550.0 11	1300.0 11	1020.0 11	643.0 11
1959	1120.0 27	1060.0 27	932.0 27	787.0 27	555.0 27	404.0 28	378.0 28	371.0 27	296.0 28	221.0 28
1960	845.0 29	810.0 28	735.0 28	614.0 28	525.0 28	427.0 27	405.0 27	393.0 26	354.0 26	236.0 27
1961	936.0 28	645.0 29	517.0 29	363.0 29	350.0 29	338.0 29	319.0 29	305.0 29	232.0 29	147.0 29
1962	4300.0 14	4040.0 14	3540.0 13	3130.0 12	2520.0 13	1990.0 11	1710.0 10	1520.0 10	1190.0 10	726.0 10
1963	1630.0 25	1490.0 25	1350.0 24	1040.0 24	1010.0 23	682.0 24	480.0 24	399.0 25	396.0 25	300.0 24
1964	4150.0 15	3670.0 15	3060.0 17	2640.0 16	2300.0 15	1780.0 13	1250.0 15	1020.0 15	781.0 15	483.0 18
1965	9460.0 1	8860.0 1	7760.0 2	6640.0 2	5830.0 1	4000.0 2	3100.0 2	2530.0 2	1920.0 2	1130.0 2
1966	2170.0 22	1860.0 22	1460.0 23	1120.0 23	1000.0 24	782.0 22	776.0 21	749.0 21	721.0 19	528.0 16
1967	7200.0 4	7010.0 4	6660.0 3	5680.0 3	4550.0 3	3110.0 4	2170.0 6	1700.0 6	1320.0 6	814.0 6
1968	6550.0 6	6240.0 5	5800.0 5	4840.0 6	4200.0 5	2490.0 9	1850.0 9	1540.0 8	1210.0 8	770.0 9
1969	5860.0 8	5150.0 9	4150.0 10	3840.0 9	3150.0 9	2690.0 6	2180.0 5	1850.0 5	1450.0 5	889.0 4
1970	3010.0 19	2500.0 19	1790.0 21	1430.0 21	1120.0 22	673.0 25	473.0 25	367.0 28	332.0 27	273.0 25
1971	4430.0 13	4310.0 12	4100.0 11	3450.0 11	2380.0 14	1500.0 16	1060.0 16	861.0 18	732.0 17	431.0 22

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09302000 Duchesne River near Randlett, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS					DAYS					DAYS					DAYS		
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	1	10592	100.0	9	22.00	134	10271	97.0	18	190.0	547	7805	73.7	27	1700	158	732	6.9
1	3.20	6	10591	100.0	10	28.00	160	10137	95.7	19	240.0	812	7258	68.5	28	2100	159	574	5.4
2	4.10	7	10585	99.9	11	35.00	207	9977	94.2	20	310.0	1267	6446	60.9	29	2700	149	415	3.9
3	5.20	14	10578	99.9	12	45.00	230	9770	92.2	21	390.0	1784	5179	48.9	30	3400	122	266	2.5
4	6.60	10	10564	99.7	13	57.00	226	9540	90.1	22	500.0	1228	3395	32.1	31	4400	73	144	1.3
5	8.40	25	10554	99.6	14	73.00	314	9314	87.9	23	640.0	653	2167	20.5	32	5500	50	71	.6
6	11.00	56	10529	99.4	15	93.00	313	9000	85.0	24	810.0	262	1514	14.3	33	7000	20	21	.1
7	14.00	58	10473	98.9	16	120.00	392	8687	82.0	25	1000.0	283	1252	11.8	34	9000	1	1	
8	17.00	144	10415	98.3	17	150.00	490	8295	78.3	26	1300.0	237	969	9.1					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
1943															12	14	14	8	21	58	110	42	12	8	21	21	11	8	4	1					230314.0
1944														10	31	9	10	10	15	48	83	31	28	19	7	5	9	9	9	15	16	1	1		348333.0
1945																7	6	15	19	51	125	67	18	13	19	15	7	3							208714.0
1946								6	4	8	3	14	14	11	8	8	14	11	20	88	65	30	10	11	22	18									159493.0
1947												1		1	7	16	19	43	26	84	73	28	4	5	5	8	22	17	6						287393.0
1948							2	7	12	9	28	25	2	1	1	2	2	12	1	18	32	116	38	20	13	4	5	7	9							166753.0
1949												1	3	8	28	27	22	15	11	13	41	51	36	21	5	18	13	11	15	10	5	3	6	2	304146.0
1950														7	9	3	13	5	17	6	19	77	101	38	13	12	7	4	4	14	11	5			293003.0
1951																2	21	11	30	64	25	116	37	12	2	4	15	8	5	8	3	2			219206.0
1952																	2		1	11	20	110	81	22	7	13	12	12	13	13	15	11	14	9	524860.0
1953														8	32	9	26	24	24	15	44	25	93	36	6	9	2	3	3	2	3	1			178937.0
1954							1	12	3	12	21	28	15	4	9	13	6	4	11	34	51	35	71	19	5	8	3									96514.0
1955								1	8	13	5	5	10	15	7	8	5	12	8	24	38	86	57	29	17	7	5	5								124815.0
1956								1	2	18	19	9	13	13	6	14	19	18	9	17	23	49	76	18	8	5	2	2	5	12	6	2			158075.0
1957									1	2	8	6	3	3	1	1	17	34	38	48	95	33	18	12	9	6	1	5	8	7	4	1	4			204930.0
1958								2	7	26	5	2	16	15	9	1	2	4	6	11	8	10	84	84	27	6	8	7	3	1	6	7	4	4		234791.0
1959	1									15	27	15	20	23	20	14	19	27	17	9	31	57	54	4	7	3	2									80549.0
1960							6	19	20	22	13	14	1	9	10	6	2	8	33	33	19	64	64	14	8	1										86354.2
1961			6	7	14	10	18	19	11	12	18	18	13	14	11	25	11	11	7	16	60	57	4	2		1										53678.8
1962													14	16	15	14	8	4	6	10	12	60	49	26	21	24	21	27	12	10	12	4				264990.0
1963												8	11	13	12	16	29	16	12	38	40	59	24	24	25	12	8	14	4							109474.0
1964													1	20	19	28	22	16	26	23	44	93	20	4	2	2	4	10	12	9	8	3				176680.0
1965													4	11	10	2	8	8	2	5	39	111	34	15	10	23	24	17	4	3	8	13	7	6	1	413438.0
1966												2	6	22	20	13	14	11	10	3	7	5	11	9	66	109	32	19	4	1	1					192635.0
1967													3	4	12	24	42	25	26	29	46	72	28	5	1	5	3	7	10	11	3	7	2		297144.0
1968															5	10	22	25	40	20	35	129	37	9	2	1	2	5	6	3	9	6			281846.0
1969															11	18	34	18	22	11	33	36	73	17	25	20	12	8	9	13	4	1			324601.0
1970									7	1	3	22	37	27	29	16	17	8	42	43	44	36	7	4	6	9	3	2	1	1					99595.0
1971											5	12	6	8	13	50	41	51	26	33	31	16	12	23	8	5	6	4	2	4	8	1			157406.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	0.361E+03	0.398E+03	0.406E+03	0.377E+03	0.450E+03	0.706E+03	0.811E+03	0.208E+04	0.429E+04	0.133E+04	0.122E+03	0.117E+03
1945	0.385E+03	0.439E+03	0.459E+03	0.493E+03	0.486E+03	0.523E+03	0.399E+03	0.963E+03	0.152E+04	0.496E+03	0.502E+03	0.195E+03
1946	0.337E+03	0.433E+03	0.389E+03	0.380E+03	0.379E+03	0.476E+03	0.670E+03	0.114E+04	0.783E+03	0.853E+02	0.988E+02	0.681E+02
1947	0.268E+03	0.541E+03	0.494E+03	0.416E+03	0.643E+03	0.577E+03	0.392E+03	0.233E+04	0.266E+04	0.531E+03	0.399E+03	0.199E+03
1948	0.281E+03	0.491E+03	0.503E+03	0.475E+03	0.450E+03	0.644E+03	0.528E+03	0.114E+04	0.850E+03	0.504E+02	0.336E+02	0.225E+02
1949	0.782E+02	0.234E+03	0.418E+03	0.390E+03	0.411E+03	0.715E+03	0.773E+03	0.207E+04	0.387E+04	0.809E+03	0.109E+03	0.133E+03
1950	0.398E+03	0.491E+03	0.454E+03	0.500E+03	0.474E+03	0.648E+03	0.744E+03	0.159E+04	0.325E+04	0.734E+03	0.147E+03	0.225E+03
1951	0.252E+03	0.451E+03	0.530E+03	0.425E+03	0.470E+03	0.371E+03	0.241E+03	0.129E+04	0.209E+04	0.509E+03	0.427E+03	0.162E+03
1952	0.406E+03	0.544E+03	0.529E+03	0.450E+03	0.460E+03	0.508E+03	0.187E+04	0.494E+04	0.508E+04	0.114E+04	0.796E+03	0.504E+03
1953	0.337E+03	0.434E+03	0.600E+03	0.640E+03	0.600E+03	0.559E+03	0.212E+03	0.245E+03	0.180E+04	0.216E+03	0.190E+03	0.770E+02
1954	0.146E+03	0.342E+03	0.421E+03	0.441E+03	0.446E+03	0.328E+03	0.225E+03	0.592E+03	0.851E+02	0.303E+02	0.191E+02	0.105E+03
1955	0.272E+03	0.307E+03	0.289E+03	0.400E+03	0.380E+03	0.550E+03	0.377E+03	0.739E+03	0.566E+03	0.286E+02	0.133E+03	0.635E+02
1956	0.999E+02	0.248E+03	0.476E+03	0.444E+03	0.391E+03	0.403E+03	0.281E+03	0.120E+04	0.152E+04	0.699E+02	0.398E+02	0.212E+02
1957	0.703E+02	0.290E+03	0.302E+03	0.340E+03	0.368E+03	0.355E+03	0.196E+03	0.638E+03	0.310E+04	0.563E+03	0.298E+03	0.255E+03
1958	0.310E+03	0.683E+03	0.480E+03	0.469E+03	0.561E+03	0.573E+03	0.485E+03	0.230E+04	0.172E+04	0.714E+02	0.183E+02	0.464E+02
1959	0.770E+02	0.244E+03	0.347E+03	0.366E+03	0.425E+03	0.269E+03	0.896E+02	0.689E+02	0.548E+03	0.102E+03	0.695E+02	0.648E+02
1960	0.176E+03	0.225E+03	0.352E+03	0.367E+03	0.400E+03	0.443E+03	0.142E+03	0.297E+03	0.380E+03	0.207E+02	0.138E+02	0.189E+02
1961	0.833E+02	0.202E+03	0.289E+03	0.336E+03	0.334E+03	0.164E+03	0.285E+02	0.475E+02	0.500E+02	0.101E+02	0.991E+01	0.226E+03
1962	0.315E+03	0.451E+03	0.430E+03	0.347E+03	0.775E+03	0.792E+03	0.118E+04	0.144E+04	0.246E+04	0.432E+03	0.620E+02	0.753E+02
1963	0.242E+03	0.250E+03	0.371E+03	0.297E+03	0.514E+03	0.162E+03	0.773E+02	0.505E+03	0.840E+03	0.504E+02	0.769E+02	0.241E+03
1964	0.122E+03	0.261E+03	0.352E+03	0.298E+03	0.317E+03	0.376E+03	0.236E+03	0.117E+04	0.205E+04	0.467E+03	0.948E+02	0.638E+02
1965	0.814E+02	0.298E+03	0.447E+03	0.434E+03	0.386E+03	0.429E+03	0.540E+03	0.116E+04	0.508E+04	0.284E+04	0.926E+03	0.975E+03
1966	0.772E+03	0.788E+03	0.680E+03	0.639E+03	0.680E+03	0.764E+03	0.592E+03	0.946E+03	0.276E+03	0.518E+02	0.470E+02	0.101E+03
1967	0.181E+03	0.317E+03	0.498E+03	0.537E+03	0.546E+03	0.657E+03	0.314E+03	0.906E+03	0.426E+04	0.124E+04	0.179E+03	0.169E+03
1968	0.196E+03	0.305E+03	0.526E+03	0.558E+03	0.582E+03	0.653E+03	0.528E+03	0.731E+03	0.420E+04	0.388E+03	0.422E+03	0.211E+03
1969	0.322E+03	0.459E+03	0.620E+03	0.683E+03	0.665E+03	0.846E+03	0.116E+04	0.298E+04	0.234E+04	0.279E+03	0.148E+03	0.168E+03
1970	0.319E+03	0.377E+03	0.323E+03	0.234E+03	0.297E+03	0.163E+03	0.453E+02	0.283E+03	0.980E+03	0.143E+03	0.469E+02	0.792E+02
1971	0.145E+03	0.177E+03	0.115E+03	0.370E+03	0.559E+03	0.331E+03	0.198E+03	0.450E+03	0.236E+04	0.317E+03	0.599E+02	0.144E+03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09302000 Duchesne River near Randlett, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2512E+03	0.3815E+03	0.4322E+03	0.4324E+03	0.4803E+03	0.4994E+03	0.4760E+03	0.1223E+04	0.2107E+04	0.4645E+03	0.1960E+03	0.1649E+03
0.2244E+05	0.2141E+05	0.1364E+05	0.1148E+05	0.1409E+05	0.3688E+05	0.1673E+06	0.1072E+07	0.2370E+07	0.3617E+06	0.5472E+05	0.3510E+05
0.1498E+03	0.1463E+03	0.1168E+03	0.1071E+03	0.1187E+03	0.1920E+03	0.4090E+03	0.1035E+04	0.1539E+04	0.6015E+03	0.2339E+03	0.1873E+03
0.1416E+01	0.9452E+00	-0.3215E+00	0.6832E+00	0.6816E+00	-0.1465E+00	0.1745E+01	0.1919E+01	0.5059E+00	0.2576E+01	0.1921E+01	0.3303E+01
0.5964E+00	0.3835E+00	0.2702E+00	0.2478E+00	0.2471E+00	0.3845E+00	0.8594E+00	0.8466E+00	0.7305E+00	0.1295E+01	0.1193E+01	0.1109E+01
0.3531E+01	0.5364E+01	0.6077E+01	0.6079E+01	0.6753E+01	0.7022E+01	0.6692E+01	0.1719E+02	0.2963E+02	0.6530E+01	0.2756E+01	0.2375E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.839	0.561	*	*	*	*	*	*	*	*	*
*	1.000	0.692	0.506	*	*	*	*	*	*	*	*
*	*	1.000	0.789	0.521	*	*	*	*	*	*	*
*	*	*	1.000	0.581	0.657	*	*	*	*	*	*
*	*	*	*	1.000	0.630	0.371	*	*	*	*	*
*	*	*	*	*	1.000	0.640	0.482	*	*	*	*
*	*	*	*	*	*	1.000	0.863	0.537	*	*	*
*	*	*	*	*	*	*	1.000	0.554	0.328	*	*
*	*	*	*	*	*	*	*	1.000	0.814	0.658	*
*	*	*	*	*	*	*	*	*	1.000	0.734	0.828
*	*	*	*	*	*	*	*	*	*	1.000	0.839
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.729

SEPT-OCT 0.805

SEPT-NOV 0.697

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.146	-0.050	0.270	0.208	-0.139	-0.055	-0.217	-0.147	0.019	-0.055	-0.007	-0.184

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09304500 White River near Meeker, Colo.

LOCATION.--Lat 40°02'00", long 107°51'35", in NE¼ sec.30, T.1 N., R.93 W., on left bank 1 mile (1.6 km) upstream from Curtis Creek and 2.5 miles (4.0 km) east of Meeker.

DRAINAGE AREA.--762 sq mi (1,970 km^2).

GAGE.--Water-stage recorder. Altitude of gage is 6,320 ft (1,926 m) from topographic map. Prior to Oct. 31, 1906, and May 7 to Aug. 13, 1910, staff gage and Aug. 14, 1910, to Oct. 19, 1913, water-stage recorder at site 2.5 miles (4.0 km) downstream at different datum. Oct. 20, 1913, to Sept. 30, 1933, water-stage recorder at present site at datum 1.00 ft (0.304 m) higher.

EXTREMES.--Maximum discharge observed, 6,370 ft^3/s (180 m^3/s) June 16, 1921 (gage height, 5.60 ft or 1.707 m, present datum), from rating curve extended above 4,700 ft^3/s (133 m^3/s); minimum daily, 112 ft^3/s (3.17 m^3/s) July 17, 1934.

REMARKS.--Diversions above station for irrigation of about 12,000 acres (4,900 hm^2) above station and about 3,000 acres (1,200 hm^2) below.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1941	202.00 9	203.00 6	209.00 5	220.00 7	236.00 7	258.00 8	274.00 8	282.00 7	298.00 10	499.00 7
1942	260.00 26	267.00 26	276.00 24	287.00 24	297.00 24	305.00 23	308.00 23	312.00 20	349.00 22	642.00 22
1943	210.00 10	230.00 14	239.00 12	244.00 10	252.00 10	259.00 9	265.00 6	276.00 4	295.00 8	632.00 21
1944	228.00 17	234.00 15	244.00 14	248.00 11	253.00 11	274.00 12	276.00 10	282.00 8	287.00 4	517.00 10
1945	231.00 20	240.00 18	244.00 15	253.00 12	261.00 12	270.00 10	277.00 11	282.00 9	287.00 5	552.00 14
1946	230.00 18	234.00 16	243.00 13	263.00 16	270.00 13	276.00 13	280.00 12	292.00 12	319.00 15	649.00 23
1947	188.00 5	212.00 10	253.00 18	268.00 18	278.00 17	286.00 15	290.00 13	295.00 13	310.00 12	506.00 8
1948	250.00 23	254.00 22	259.00 19	266.00 17	276.00 15	290.00 19	307.00 22	325.00 24	351.00 23	776.00 29
1949	235.00 21	254.00 23	268.00 20	278.00 21	282.00 19	291.00 20	302.00 19	312.00 21	325.00 18	623.00 20
1950	274.00 28	278.00 28	294.00 28	307.00 28	320.00 28	323.00 28	325.00 28	329.00 26	351.00 24	732.00 27
1951	220.00 13	240.00 17	270.00 22	278.00 22	282.00 20	289.00 17	296.00 16	304.00 16	321.00 16	578.00 15
1952	230.00 19	247.00 21	270.00 23	289.00 25	298.00 25	300.00 21	300.00 17	304.00 17	328.00 19	611.00 19
1953	290.00 30	303.00 31	311.00 30	317.00 30	322.00 29	335.00 30	353.00 31	370.00 31	394.00 30	868.00 30
1954	250.00 24	267.00 24	281.00 27	286.00 23	289.00 21	305.00 24	314.00 24	316.00 22	325.00 17	596.00 18
1955	194.00 7	199.00 5	210.00 6	220.00 8	237.00 8	242.00 4	261.00 4	282.00 10	296.00 9	402.00 3
1956	200.00 8	205.00 7	212.00 7	214.00 5	218.00 3	250.00 5	262.00 5	276.00 5	291.00 6	480.00 5
1957	210.00 11	211.00 9	215.00 8	218.00 6	231.00 5	256.00 6	275.00 9	286.00 11	292.00 7	541.00 12
1958	290.00 31	297.00 29	311.00 31	321.00 31	337.00 31	338.00 31	345.00 30	362.00 30	413.00 31	976.00 31
1959	283.00 29	298.00 30	310.00 29	314.00 29	327.00 30	332.00 29	338.00 29	346.00 29	366.00 28	721.00 25
1960	220.00 14	222.00 11	230.00 9	261.00 15	277.00 16	287.00 16	292.00 14	300.00 14	329.00 20	539.00 11
1961	190.00 6	207.00 8	231.00 10	232.00 9	244.00 9	258.00 7	268.00 7	281.00 6	302.00 11	516.00 9
1962	170.00 3	181.00 3	193.00 4	204.00 4	236.00 6	271.00 11	306.00 21	327.00 25	363.00 27	481.00 6
1963	220.00 15	227.00 12	247.00 17	269.00 19	294.00 22	313.00 26	315.00 25	324.00 23	360.00 25	767.00 28
1964	180.00 4	181.00 4	184.00 3	193.00 3	225.00 4	237.00 3	247.00 2	254.00 3	264.00 3	398.00 2
1965	210.00 12	228.00 13	235.00 11	256.00 13	274.00 14	283.00 14	293.00 15	301.00 15	315.00 13	552.00 13
1966	260.00 25	267.00 25	280.00 25	296.00 27	310.00 27	313.00 27	322.00 27	335.00 27	379.00 29	723.00 26
1967	124.00 1	127.00 1	132.00 1	145.00 1	166.00 1	181.00 1	183.00 1	207.00 1	230.00 1	363.00 1
1968	151.00 2	154.00 2	165.00 2	176.00 2	195.00 2	232.00 2	248.00 3	250.00 2	251.00 2	465.00 4
1969	235.00 22	241.00 19	245.00 16	258.00 14	280.00 18	290.00 18	302.00 18	310.00 19	318.00 14	589.00 17
1970	222.00 16	242.00 20	269.00 21	274.00 20	295.00 23	301.00 22	305.00 20	308.00 18	339.00 21	586.00 16
1971	262.00 27	268.00 27	281.00 26	289.00 26	302.00 26	311.00 25	321.00 26	337.00 28	362.00 26	693.00 24

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1941	3460.0 10	3090.0 14	2900.0 14	2670.0 13	2420.0 12	1970.0 10	1520.0 11	1230.0 12	934.0 12	621.0 14
1942	3870.0 6	3580.0 7	3380.0 7	3080.0 5	2760.0 5	1980.0 9	1580.0 9	1300.0 9	970.0 10	658.0 10
1943	2060.0 27	1910.0 29	1750.0 29	1600.0 29	1580.0 26	1270.0 27	1100.0 24	936.0 24	745.0 24	521.0 24
1944	2440.0 22	2400.0 22	2280.0 22	2130.0 22	2040.0 19	1740.0 17	1330.0 17	1080.0 19	812.0 19	548.0 20
1945	2810.0 18	2770.0 18	2590.0 19	2190.0 20	1950.0 21	1870.0 12	1560.0 10	1300.0 10	976.0 9	637.0 11
1946	2160.0 26	2160.0 25	2060.0 25	1850.0 25	1440.0 28	1290.0 26	1060.0 26	880.0 26	685.0 25	502.0 25
1947	3380.0 11	3340.0 10	3230.0 9	2840.0 10	2560.0 11	2360.0 3	1940.0 3	1610.0 3	1210.0 3	765.0 4
1948	3350.0 13	3340.0 11	3200.0 11	2950.0 9	2630.0 8	1880.0 11	1480.0 13	1210.0 13	914.0 13	633.0 12
1949	4210.0 3	4000.0 3	3900.0 3	3550.0 4	2770.0 4	2220.0 5	1820.0 5	1500.0 5	1110.0 5	722.0 6
1950	3310.0 14	3230.0 13	3070.0 12	2740.0 11	2290.0 13	1680.0 18	1320.0 18	1100.0 17	835.0 17	593.0 16
1951	2990.0 15	2850.0 16	2660.0 17	2270.0 19	2070.0 18	1800.0 15	1410.0 14	1180.0 14	895.0 14	608.0 15
1952	4900.0 2	4840.0 1	4700.0 1	4350.0 1	3460.0 2	2750.0 2	2160.0 2	1770.0 2	1340.0 2	835.0 2
1953	4060.0 4	3970.0 5	3570.0 5	3000.0 8	2680.0 7	1770.0 16	1380.0 15	1150.0 15	875.0 15	629.0 13
1954	2000.0 29	1860.0 30	1670.0 30	1450.0 30	1200.0 30	935.0 30	749.0 30	636.0 31	528.0 31	416.0 30
1955	2220.0 25	2110.0 26	2010.0 26	1720.0 26	1650.0 25	1360.0 25	1050.0 27	861.0 27	661.0 27	476.0 26
1956	2960.0 16	2860.0 15	2730.0 16	2600.0 16	2230.0 15	1650.0 19	1270.0 20	1050.0 20	792.0 20	543.0 21
1957	4940.0 1	4780.0 2	4620.0 2	4240.0 2	3840.0 1	3180.0 1	2520.0 1	2080.0 1	1540.0 1	923.0 1
1958	4060.0 5	3980.0 4	3840.0 4	3710.0 3	3210.0 3	2330.0 4	1770.0 6	1450.0 6	1070.0 6	744.0 5
1959	2630.0 21	2580.0 21	2440.0 20	2130.0 21	1710.0 24	1380.0 23	1110.0 23	944.0 23	748.0 23	553.0 19
1960	2420.0 23	2380.0 23	2230.0 23	2000.0 24	1740.0 23	1370.0 24	1150.0 22	975.0 22	749.0 22	533.0 22
1961	1950.0 30	1930.0 27	1830.0 27	1660.0 28	1510.0 27	1120.0 28	868.0 28	734.0 28	590.0 28	447.0 28
1962	3770.0 7	3520.0 9	3220.0 10	2640.0 14	2200.0 17	2150.0 7	1920.0 4	1590.0 4	1170.0 4	772.0 3
1963	2030.0 28	1930.0 28	1820.0 28	1680.0 27	1390.0 29	965.0 29	799.0 29	681.0 29	554.0 29	446.0 29
1964	2780.0 19	2690.0 19	2630.0 18	2350.0 17	2220.0 16	1640.0 20	1250.0 21	1030.0 21	787.0 21	526.0 23
1965	3770.0 8	3630.0 6	3380.0 6	3050.0 6	2560.0 9	2060.0 8	1660.0 8	1390.0 7	1070.0 7	692.0 7
1966	1670.0 31	1650.0 31	1490.0 31	1240.0 31	1190.0 31	907.0 31	742.0 31	638.0 30	530.0 30	414.0 31
1967	2700.0 20	2600.0 20	2430.0 21	2270.0 18	1930.0 22	1420.0 22	1080.0 25	893.0 25	682.0 26	472.0 27
1968	3370.0 12	3310.0 12	3070.0 13	2720.0 12	2560.0 10	1820.0 14	1380.0 16	1140.0 16	857.0 16	559.0 18
1969	2340.0 24	2220.0 24	2120.0 24	2060.0 23	1960.0 20	1570.0 21	1320.0 19	1080.0 18	832.0 18	576.0 17
1970	3610.0 9	3540.0 8	3300.0 8	3020.0 7	2740.0 6	2190.0 6	1690.0 7	1370.0 8	1020.0 8	680.0 8
1971	2850.0 17	2790.0 17	2760.0 15	2600.0 15	2260.0 14	1840.0 13	1510.0 12	1260.0 11	957.0 11	662.0 9

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09304500 White River near Meeker, Colo.--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	11322	100.0	9	290.00	2404	9220	81.4	18	860.0	152	1812	16.0	27	2500	155	327	2.8
1	112.00	2	11322	100.0	10	330.00	1753	6816	60.2	19	970.0	147	1660	14.7	28	2900	59	172	1.5
2	130.00	4	11320	100.0	11	370.00	1203	5063	44.7	20	1100.0	107	1513	13.4	29	3200	42	113	.9
3	140.00	22	11316	99.9	12	420.00	680	3860	34.1	21	1200.0	216	1406	12.4	30	3600	46	71	.6
4	160.00	25	11294	99.8	13	470.00	441	3180	28.1	22	1400.0	187	1190	10.5	31	4100	16	25	.2
5	180.00	54	11269	99.5	14	530.00	322	2739	24.2	23	1600.0	202	1003	8.9	32	4600	9	9	.0
6	200.00	166	11215	99.1	15	600.00	241	2417	21.3	24	1800.0	149	801	7.1	33	5200			
7	230.00	580	11049	97.6	16	680.00	188	2176	19.2	25	2000.0	162	652	5.8	34	5900			
8	260.00	1249	10469	92.5	17	760.00	176	1988	17.6	26	2200.0	163	490	4.3					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS																																	FT^3/S DAYS
1941						2	16	62	52	81	51	12	8	7	6	4	2	3	3	2	4	9	5	4	13	6	9	3	1						226608.0
1942								33	102	51	36	33	11	13	4	8	12	5	8	7	4	4	2	2	5	4	9	6	5	1					240282.0
1943						3	30	69	52	58	26	19	21	9	6	7	8	8	5	3	15	11	10	4	1										190144.0
1944						3	49	84	95	39	11	8	9	3	4	2	2	3	1	2	6	5	9	8	11	12									200647.0
1945							23	54	107	41	13	16	4	12	9	5	6	2	4	3	5	11	24	11	7	3	5								232464.0
1946							19	61	76	68	55	8	2	4	4	1	4	13	13	8	12	4	4	4	5										183299.0
1947						1	3	9	33	74	31	53	23	16	16	12	9	4	7	2	2	2	4	10	9	10	16	10	4	5					279171.0
1948								4	26	59	70	91	22	8	7	3	7	7	8	9	4	5	5	3	3	3	5	7	4	6					231604.0
1949								3	28	64	77	64	14	10	9	10	4	3	2	5	6	8	12	11	5	8	7	2	2	2	8	1			263578.0
1950									3	95	84	67	22	12	11	10	6	6	3	3	1	10	3	6	4	2	5	5	5	2					216419.0
1951							1	5	36	89	78	37	6	24	13	6	4	2	5	5	2	11	7	5	7	6	8	7	1							221903.0
1952								2	13	97	35	40	14	20	23	28	8	7	2	7	6	4	6	4	7	4	12	8	4	1	4	5	5		305512.0
1953									23	36	61	59	85	16	18	13	9	5	1	1	2	2	5	2	1	2	6	9	4	2	3					229631.0
1954						2	18	32	40	100	71	34	8	4	5	6	9	10	6	2	3	8	3	2	1	1										151826.0
1955							28	37	74	93	44	15	8	1	3	4	5	3	4	4	7	7	9	8	3	7	1									173673.0
1956							17	22	45	131	44	18	8	10	5	3	5	6	8	3	3	6	4	5	2	1	8	11	1							198693.0
1957								2	30	138	24	2	6	8	25	13	16	9	4	9	7	11	3	5	3	4	4	7	6	2	13	10	4		337058.0
1958									30	75	62	43	47	21	12	13	6	3	2	3	3	3	5	5	4	4	3	2	7	12					271614.0
1959							5	2	5	51	80	89	37	17	7	4	6	7	12	8	3	8	6	7	1	4	3	3								201893.0
1960							5	30	46	83	39	23	32	16	19	12	7	5	2	5		10	13	9	2	5	3								195113.0
1961						1	5	12	41	44	85	77	26	6	4	11	6	4	8	3	2	1	8	10	7	4										163275.0
1962							1	2	19	49	67	38	43	31	10	10	4	5	1	2	2	6	8	16	14	15	9	7	3	2	1					281838.0
1963						11	14	17	18	80	69	41	36	28	10	7	2	5	4	3		4	6	6	3	1										162896.0
1964						1	10	77	69	69	27	15	22	15	6	3	2	2	1	3	5	3	2	3	7	9	8	7									192604.0
1965							1	10	38	66	80	11	20	15	15	18	12	8	8	5	2	8	7	7	4	6	6	8	6	2	2					252426.0
1966		2	4	19	19	20	22	10	18	55	37	51	27	20	15	5	5	3	8	8	3	7	4	3												151184.0
1967			3	5	14	9	43	113	69	23	15	5	9	4	3	4	2	2	2	2	8	8	5	2	4	8	3									172368.0
1968						11	87	77	49	24	26	12	8	4	2	5	12	4	3	1	6	3	3	2	3	5	13	4	2							204414.0
1969							3	47	97	86	31	9	3	3	7	2	6	8	9	10	8	4	6	15	7	4										210299.0
1970							1	5	19	100	68	42	28	13	10	8	1	4	7	4	2	4	2	4	6	5	11	12	4	3	2					248171.0
1971									22	61	44	61	48	31	4	3	12	7	5	7	5	13	6	6	6	9	5	10								241672.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.367E+03	0.321E+03	0.292E+03	0.273E+03	0.271E+03	0.310E+03	0.413E+03	0.215E+04	0.174E+04	0.566E+03	0.359E+03	0.360E+03
1942	0.461E+03	0.381E+03	0.320E+03	0.310E+03	0.300E+03	0.318E+03	0.730E+03	0.175E+04	0.217E+04	0.505E+03	0.349E+03	0.301E+03
1943	0.326E+03	0.346E+03	0.304E+03	0.256E+03	0.266E+03	0.282E+03	0.632E+03	0.100E+04	0.154E+04	0.515E+03	0.474E+03	0.308E+03
1944	0.294E+03	0.314E+03	0.287E+03	0.293E+03	0.263E+03	0.285E+03	0.313E+03	0.140E+04	0.191E+04	0.637E+03	0.322E+03	0.261E+03
1945	0.321E+03	0.311E+03	0.271E+03	0.271E+03	0.292E+03	0.310E+03	0.348E+03	0.165E+04	0.193E+04	0.104E+04	0.522E+03	0.351E+03
1946	0.364E+03	0.381E+03	0.327E+03	0.287E+03	0.282E+03	0.273E+03	0.703E+03	0.107E+04	0.135E+04	0.372E+03	0.342E+03	0.279E+03
1947	0.386E+03	0.324E+03	0.295E+03	0.283E+03	0.292E+03	0.375E+03	0.524E+03	0.251E+04	0.216E+04	0.106E+04	0.545E+03	0.395E+03
1948	0.417E+03	0.386E+03	0.382E+03	0.337E+03	0.303E+03	0.281E+03	0.600E+03	0.208E+04	0.161E+04	0.482E+03	0.391E+03	0.314E+03
1949	0.361E+03	0.361E+03	0.332E+03	0.296E+03	0.294E+03	0.333E+03	0.592E+03	0.162E+04	0.277E+04	0.898E+03	0.426E+03	0.382E+03
1950	0.406E+03	0.377E+03	0.339E+03	0.329E+03	0.327E+03	0.320E+03	0.492E+03	0.104E+04	0.223E+04	0.585E+03	0.332E+03	0.349E+03
1951	0.364E+03	0.341E+03	0.328E+03	0.298E+03	0.283E+03	0.306E+03	0.400E+03	0.146E+04	0.196E+04	0.780E+03	0.433E+03	0.335E+03
1952	0.396E+03	0.361E+03	0.316E+03	0.298E+03	0.305E+03	0.300E+03	0.630E+03	0.209E+04	0.337E+04	0.832E+03	0.635E+03	0.507E+03
1953	0.452E+03	0.419E+03	0.424E+03	0.383E+03	0.330E+03	0.349E+03	0.462E+03	0.116E+04	0.235E+04	0.542E+03	0.401E+03	0.289E+03
1954	0.350E+03	0.350E+03	0.311E+03	0.343E+03	0.310E+03	0.301E+03	0.541E+03	0.117E+04	0.496E+03	0.258E+03	0.236E+03	0.320E+03
1955	0.354E+03	0.321E+03	0.300E+03	0.279E+03	0.267E+03	0.281E+03	0.402E+03	0.141E+04	0.128E+04	0.305E+03	0.269E+03	0.234E+03
1956	0.320E+03	0.325E+03	0.319E+03	0.294E+03	0.285E+03	0.317E+03	0.544E+03	0.170E+04	0.148E+04	0.395E+03	0.298E+03	0.231E+03
1957	0.309E+03	0.320E+03	0.304E+03	0.305E+03	0.291E+03	0.305E+03	0.419E+03	0.132E+04	0.364E+04	0.252E+04	0.747E+03	0.581E+03
1958	0.536E+03	0.483E+03	0.405E+03	0.342E+03	0.346E+03	0.356E+03	0.554E+03	0.245E+04	0.215E+04	0.562E+03	0.353E+03	0.377E+03
1959	0.413E+03	0.382E+03	0.358E+03	0.337E+03	0.331E+03	0.368E+03	0.495E+03	0.111E+04	0.165E+04	0.470E+03	0.407E+03	0.321E+03
1960	0.426E+03	0.351E+03	0.295E+03	0.284E+03	0.301E+03	0.372E+03	0.668E+03	0.120E+04	0.152E+04	0.432E+03	0.250E+03	0.305E+03
1961	0.352E+03	0.342E+03	0.300E+03	0.268E+03	0.248E+03	0.310E+03	0.369E+03	0.112E+04	0.108E+04	0.310E+03	0.241E+03	0.418E+03
1962	0.498E+03	0.411E+03	0.333E+03	0.286E+03	0.346E+03	0.353E+03	0.109E+04	0.208E+04	0.217E+04	0.907E+03	0.410E+03	0.366E+03
1963	0.456E+03	0.388E+03	0.324E+03	0.311E+03	0.329E+03	0.356E+03	0.475E+03	0.133E+04	0.515E+03	0.226E+03	0.308E+03	0.325E+03
1964	0.268E+03	0.302E+03	0.243E+03	0.235E+03	0.264E+03	0.281E+03	0.387E+03	0.145E+04	0.173E+04	0.490E+03	0.372E+03	0.293E+03
1965	0.345E+03	0.336E+03	0.321E+03	0.315E+03	0.290E+03	0.279E+03	0.441E+03	0.148E+04	0.256E+04	0.912E+03	0.504E+03	0.512E+03
1966	0.513E+03	0.404E+03	0.358E+03	0.312E+03	0.319E+03	0.357E+03	0.519E+03	0.118E+04	0.444E+03	0.176E+03	0.190E+03	0.188E+03
1967	0.303E+03	0.269E+03	0.258E+03	0.266E+03	0.268E+03	0.284E+03	0.378E+03	0.116E+04	0.159E+04	0.408E+03	0.240E+03	0.243E+03
1968	0.273E+03	0.271E+03	0.247E+03	0.258E+03	0.247E+03	0.268E+03	0.339E+03	0.112E+04	0.246E+04	0.522E+03	0.425E+03	0.290E+03
1969	0.349E+03	0.326E+03	0.332E+03	0.323E+03	0.298E+03	0.286E+03	0.778E+03	0.193E+04	0.112E+04	0.458E+03	0.328E+03	0.370E+03
1970	0.434E+03	0.365E+03	0.312E+03	0.316E+03	0.299E+03	0.307E+03	0.374E+03	0.207E+04	0.221E+04	0.717E+03	0.372E+03	0.368E+03
1971	0.434E+03	0.405E+03	0.367E+03	0.327E+03	0.324E+03	0.336E+03	0.675E+03	0.140E+04	0.224E+04	0.659E+03	0.325E+03	0.458E+03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09304500 White River near Meeker, Colo.--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.3822E+03	0.3539E+03	0.3195E+03	0.3005E+03	0.2959E+03	0.3147E+03	0.5255E+03	0.1537E+04	0.1852E+04	0.6305E+03	0.3809E+03	0.3429E+03
0.4757E+04	0.2036E+04	0.1670E+04	0.9770E+03	0.7240E+03	0.1050E+04	0.2692E+05	0.1897E+06	0.5372E+06	0.1774E+06	0.1440E+05	0.7423E+04
0.6897E+02	0.4512E+02	0.4086E+02	0.3126E+02	0.2691E+02	0.3240E+02	0.1641E+03	0.4355E+03	0.7330E+03	0.4212E+03	0.1200E+03	0.8616E+02
0.4258E+00	0.5097E+00	0.5071E+00	0.3317E+00	0.1044E+00	0.4410E+00	0.1460E+01	0.7556E+00	0.1765E+00	0.3177E+01	0.1130E+01	0.8941E+00
0.1805E+00	0.1275E+00	0.1279E+00	0.1040E+00	0.9094E-01	0.1030E+00	0.3122E+00	0.2833E+00	0.3958E+00	0.6680E+00	0.3150E+00	0.2512E+00
0.5282E+01	0.4892E+01	0.4416E+01	0.4153E+01	0.4089E+01	0.4350E+01	0.7263E+01	0.2124E+02	0.2559E+02	0.8714E+01	0.5265E+01	0.4740E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.893	0.734	*	*	*	*	*	*	*	*	*
*	1.000	0.870	0.672	*	*	*	*	*	*	*	*
*	*	1.000	0.857	0.743	*	*	*	*	*	*	*
*	*	*	1.000	0.733	0.365	*	*	*	*	*	*
*	*	*	*	1.000	0.692	0.509	*	*	*	*	*
*	*	*	*	*	1.000	0.281	0.195	*	*	*	*
*	*	*	*	*	*	1.000	0.261	-0.009	*	*	*
*	*	*	*	*	*	*	1.000	0.274	0.201	*	*
*	*	*	*	*	*	*	*	1.000	0.753	0.789	*
*	*	*	*	*	*	*	*	*	1.000	0.836	0.711
*	*	*	*	*	*	*	*	*	*	1.000	0.701
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.535
SEPT-OCT 0.841
SEPT-NOV 0.900

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.015	0.077	0.034	0.117	0.073	0.045	-0.311	-0.058	-0.052	-0.135	-0.063	-0.132

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09304800 White River below Meeker, Colo.

LOCATION.--Lat 40°00'30", long 108°06'00", in center of sec.31, T.1 N., R.95 W., on left bank 30 ft (9 m) downstream from county bridge, 3.5 miles (5.6 km) downstream from Strawberry Creek, and 10 miles (16 km) west of Meeker.

DRAINAGE AREA.--1,040 sq mi (2,694 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is about 5,900 ft (1,800 m) estimated from nearby level line.

EXTREMES.--Maximum discharge, 4,010 ft^3/s (113.6 m^3/s) June 15, 1965 (gage height, 4.09 ft or 1.247 m); minimum daily, 200 ft^3/s (5.66 m^3/s) Jan. 13, 1964.

REMARKS.--Diversions above station for irrigation of about 22,000 acres (8,900 hm^2) above and a few acres below.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1963	220.00	4	227.00	4	249.00	4	279.00	4	298.00	4	324.00	5	327.00	4	346.00	6	384.00	7	774.00	9
1964	200.00	3	217.00	3	227.00	3	239.00	3	254.00	2	259.00	2	269.00	2	276.00	2	283.00	2	423.00	2
1965	251.00	5	256.00	5	268.00	5	282.00	5	321.00	6	334.00	6	345.00	7	355.00	7	362.00	5	586.00	4
1966	280.00	8	300.00	9	309.00	8	323.00	8	335.00	8	340.00	9	351.00	9	378.00	9	426.00	9	771.00	8
1967	141.00	1	144.00	1	155.00	1	162.00	1	208.00	1	223.00	1	232.00	1	259.00	1	282.00	1	405.00	1
1968	186.00	2	192.00	2	207.00	2	225.00	2	257.00	3	277.00	3	282.00	3	286.00	3	296.00	3	507.00	3
1969	270.00	6	283.00	6	287.00	6	302.00	6	306.00	5	317.00	4	331.00	5	344.00	4	360.00	4	632.00	5
1970	270.00	7	287.00	7	303.00	7	314.00	7	332.00	7	339.00	7	342.00	6	345.00	5	381.00	6	635.00	6
1971	290.00	9	300.00	8	320.00	9	325.00	9	337.00	9	339.00	8	349.00	8	365.00	8	396.00	8	737.00	7

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1962	3380.0	4	3220.0	4	3010.0	4	2490.0	5	2160.0	5	2070.0	3	1860.0	1	1550.0	1	1170.0	1	791.0	1
1963	1960.0	9	1890.0	9	1750.0	9	1630.0	9	1370.0	9	980.0	9	819.0	9	700.0	9	572.0	9	474.0	9
1964	2800.0	5	2690.0	6	2580.0	6	2270.0	6	2130.0	6	1610.0	6	1230.0	7	1040.0	7	805.0	7	543.0	7
1965	3660.0	1	3610.0	1	3460.0	1	3110.0	1	2600.0	2	2100.0	2	1700.0	3	1430.0	2	1120.0	2	742.0	2
1966	1690.0	10	1650.0	10	1500.0	10	1250.0	10	1200.0	10	919.0	10	764.0	10	669.0	10	560.0	10	454.0	10
1967	2630.0	7	2520.0	7	2340.0	7	2200.0	7	1910.0	8	1440.0	8	1110.0	8	928.0	8	724.0	8	521.0	8
1968	3450.0	3	3320.0	3	3130.0	3	2770.0	3	2560.0	3	1830.0	4	1400.0	5	1170.0	5	898.0	5	599.0	6
1969	2410.0	8	2300.0	8	2210.0	8	2130.0	8	1990.0	7	1610.0	7	1370.0	6	1130.0	6	887.0	6	626.0	5
1970	3540.0	2	3460.0	2	3280.0	2	3000.0	2	2780.0	1	2220.0	1	1710.0	2	1410.0	3	1070.0	3	725.0	3
1971	2760.0	6	2710.0	5	2680.0	5	2520.0	4	2180.0	4	1800.0	5	1500.0	4	1270.0	4	993.0	4	696.0	4

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	0	3652	100.0	9	310.00	400	3026	82.9	18	750.0	44	649	17.8	27	1800	51	253	6.9
1	141.00	8	3652	100.0	10	340.00	553	2626	71.9	19	830.0	33	605	16.6	28	2000	57	202	5.5
2	160.00	5	3644	99.8	11	380.00	467	2073	56.8	20	910.0	46	572	15.7	29	2200	44	145	3.9
3	170.00	14	3639	99.6	12	420.00	282	1606	44.0	21	1000.0	44	526	14.4	30	2400	48	101	2.7
4	190.00	6	3625	99.3	13	460.00	284	1324	36.3	22	1100.0	33	482	13.2	31	2700	24	53	1.4
5	210.00	23	3619	99.1	14	510.00	156	1040	28.5	23	1200.0	80	449	12.3	32	3000	17	29	.7
6	230.00	65	3596	98.5	15	560.00	113	884	24.2	24	1400.0	29	369	10.1	33	3300	10	12	.3
7	250.00	153	3531	96.7	16	620.00	68	771	21.1	25	1500.0	30	340	9.3	34	3600	2	2	.0
8	280.00	352	3378	92.5	17	680.00	54	703	19.2	26	1600.0	57	310	8.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	CLASS 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
	NUMBER OF DAYS IN CLASS																																			
1962					1		2	10	22	67	51	23	31	27	19	10	6	3	2	6	3	2	9	5	8	8	14	16	8	7	2	3	1			288734.0
1963					7	14	20	23	53	48	50	36	46	15	10	6	4	1	5	1	4	2	4	6	2	5	3									172835.0
1964				1	1	16	60	84	38	29	29	13	12	14	12	4	2	1	2		4	4	6	1	1	6	5	10	3	5	3					199307.0
1965						2	11	37	69	68	10	13	23	15	16	14	13	3	9	3	4	7	2	5	7	1	7	4	9	3	4	4	2			270854.0
1966	8	5	13	2	10	16	26	21	26	56	31	17	41	27	13	11	5	2	6	8	4	3	8	2	1	3										165706.0
1967			1	3	4	15	12	64	66	64	42	15	14	4	5	3	4	4		3	2	2	6	6	3	5	6	2	7	3						190139.0
1968					4	29	97	55	29	30	20	18	9	5	3	3	9	6	4	3	2	6	1	1	3	2	4	4	7	7	3	2				219071.0
1969						1	22	35	62	86	52	16	3	6	4		3	2	6	9	6	15	2	4	6	11	8	5	1								228547.0
1970						1	11	36	77	42	45	47	13	14	6	3	2	3	3	6	2	4	1	2	6	4	2	11	7	7	1	3					264621.0
1971							9	32	52	38	51	46	21	14	5	13	6	4	6	6	6	15	3	3	8	5	8	3	9	2								254186.0

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09304800 White River below Meeker, Colo.--Continued

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.379E+03	0.389E+03	0.379E+03	0.364E+03	0.341E+03	0.342E+03	0.491E+03	0.151E+04	0.260E+04	0.954E+03	0.558E+03	0.587E+03
1966	0.561E+03	0.472E+03	0.388E+03	0.341E+03	0.343E+03	0.437E+03	0.544E+03	0.118E+04	0.463E+03	0.216E+03	0.238E+03	0.249E+03
1967	0.380E+03	0.315E+03	0.305E+03	0.299E+03	0.322E+03	0.340E+03	0.406E+03	0.117E+04	0.162E+04	0.481E+03	0.287E+03	0.325E+03
1968	0.329E+03	0.305E+03	0.279E+03	0.279E+03	0.288E+03	0.318E+03	0.408E+03	0.117E+04	0.245E+04	0.558E+03	0.481E+03	0.335E+03
1969	0.415E+03	0.384E+03	0.382E+03	0.342E+03	0.315E+03	0.345E+03	0.770E+03	0.196E+04	0.122E+04	0.527E+03	0.410E+03	0.420E+03
1970	0.480E+03	0.425E+03	0.353E+03	0.348E+03	0.338E+03	0.342E+03	0.400E+03	0.204E+04	0.228E+04	0.754E+03	0.455E+03	0.466E+03
1971	0.479E+03	0.436E+03	0.390E+03	0.351E+03	0.345E+03	0.422E+03	0.703E+03	0.138E+04	0.217E+04	0.765E+03	0.398E+03	0.513E+03

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.4318E+03	0.3893E+03	0.3537E+03	0.3321E+03	0.3274E+03	0.3639E+03	0.5318E+03	0.1489E+04	0.1830E+04	0.6076E+03	0.4037E+03	0.4137E+03
0.6258E+04	0.3829E+04	0.1994E+04	0.9588E+03	0.4246E+03	0.2114E+04	0.2265E+05	0.1392E+06	0.5974E+06	0.5741E+05	0.1227E+05	0.1392E+05
0.7910E+02	0.6188E+02	0.4466E+02	0.3096E+02	0.2061E+02	0.4598E+02	0.1505E+03	0.3730E+03	0.7729E+03	0.2396E+03	0.1108E+03	0.1180E+03
0.4804E+00	-0.3039E+00	-0.1077E+01	-0.1120E+01	-0.1322E+01	0.1094E+01	0.8361E+00	0.8013E+00	-0.9865E+00	-0.2455E+00	-0.3325E+00	0.9729E-01
0.1832E+00	0.1590E+00	0.1263E+00	0.9322E-01	0.6293E-01	0.1263E+00	0.2830E+00	0.2506E+00	0.4223E+00	0.3943E+00	0.2745E+00	0.2852E+00
0.5777E+01	0.5208E+01	0.4732E+01	0.4444E+01	0.4381E+01	0.4869E+01	0.7116E+01	0.1992E+02	0.2449E+02	0.8130E+01	0.5401E+01	0.5535E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.926	0.687	*	*	*	*	*	*	*	*	*
*	1.000	0.866	0.792	*	*	*	*	*	*	*	*
*	*	1.000	0.931	0.788	*	*	*	*	*	*	*
*	*	*	1.000	0.839	0.443	*	*	*	*	*	*
*	*	*	*	1.000	0.661	0.201	*	*	*	*	*
*	*	*	*	*	1.000	0.448	-0.273	*	*	*	*
*	*	*	*	*	*	1.000	0.284	-0.349	*	*	*
*	*	*	*	*	*	*	1.000	0.137	0.394	*	*
*	*	*	*	*	*	*	*	1.000	0.871	0.849	*
*	*	*	*	*	*	*	*	*	1.000	0.851	0.955
*	*	*	*	*	*	*	*	*	*	1.000	0.770
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.834
SEPT-OCT 0.905
SEPT-NOV 0.912

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.133	0.097	0.053	0.315	0.369	-0.192	-0.587	0.292	-0.455	-0.289	-0.249	-0.080

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09306500 White River near Watson, Utah

LOCATION.--Lat 39°58'46", long 109°10'41", in SE¼SW¼NE¼ sec.2, T.10 S., R.24 E., Uintah County, on right bank 350 ft (110 m) downstream from bridge on State Highway 45, 1 mile (1.6 km) downstream from Evacuation Creek, and 7 miles (11 km) north of Watson.

DRAINAGE AREA.--4,020 sq mi (10,410 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 4,946.78 ft (1,507.779 m) above mean sea level. See WSP 1733 for history of changes prior to Oct. 27, 1959.

EXTREMES.--Maximum daily discharge, 8,160 ft^3/s (231 m^3/s) July 15, 1929; maximum gage height, 13.1 ft (3.99 m) Feb. 11, 1962, from floodmark in well (backwater from ice); minimum discharge, 25 ft^3/s (0.71 m^3/s) Dec. 31, 1969, result of freezeup; minimum daily, 53 ft^3/s (1.50 m^3/s) July 19, 1934.

REMARKS.--Diversions for irrigation of about 31,900 acres (129 km^2) above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1941	112.00	4	151.00	7	154.00	3	161.00	2	179.00	2	242.00	3	290.00	7	329.00	10	343.00	9	544.00	6
1942	214.00	19	240.00	21	298.00	25	318.00	22	347.00	23	368.00	23	384.00	23	400.00	22	473.00	21	820.00	23
1943	150.00	11	167.00	11	253.00	17	267.00	15	319.00	19	336.00	19	355.00	19	383.00	20	393.00	19	913.00	26
1944	132.00	7	164.00	10	263.00	22	280.00	20	290.00	17	321.00	15	337.00	15	347.00	13	349.00	10	574.00	9
1945	238.00	22	238.00	20	242.00	14	245.00	12	254.00	9	275.00	8	288.00	6	298.00	6	323.00	7	616.00	13
1946	160.00	14	187.00	13	208.00	11	241.00	11	327.00	21	342.00	20	354.00	18	378.00	18	386.00	17	699.00	19
1947	245.00	23	257.00	24	259.00	20	268.00	16	270.00	12	294.00	12	330.00	13	350.00	14	368.00	15	557.00	7
1948	230.00	21	243.00	22	253.00	18	258.00	14	278.00	15	365.00	22	382.00	22	409.00	24	438.00	23	809.00	21
1949	150.00	12	160.00	9	167.00	7	169.00	4	194.00	4	226.00	2	260.00	3	293.00	5	313.00	6	676.00	16
1950	225.00	20	232.00	19	259.00	19	268.00	17	296.00	18	307.00	14	328.00	12	355.00	15	408.00	20	813.00	22
1951	160.00	13	213.00	18	261.00	21	276.00	19	287.00	16	322.00	16	342.00	17	355.00	16	362.00	14	605.00	12
1952	245.00	24	272.00	25	287.00	24	300.00	21	324.00	20	330.00	17	331.00	14	334.00	11	352.00	12	630.00	14
1953	180.00	17	190.00	14	249.00	15	321.00	23	366.00	24	391.00	25	396.00	24	399.00	21	431.00	21	998.00	27
1954	246.00	25	248.00	23	251.00	16	257.00	13	275.00	13	303.00	13	340.00	16	347.00	12	357.00	13	632.00	15
1955	146.00	9	155.00	8	162.00	5	179.00	5	217.00	7	252.00	5	292.00	8	305.00	7	350.00	11	479.00	3
1956	138.00	8	142.00	5	160.00	4	180.00	6	204.00	5	262.00	6	258.00	2	279.00	3	302.00	3	535.00	5
1957	163.00	15	178.00	12	186.00	9	197.00	8	216.00	6	250.00	4	280.00	5	291.00	4	304.00	4	559.00	8
1962	78.00	1	204.00	17	227.00	12	235.00	10	257.00	10	277.00	9	327.00	11	408.00	23	437.00	22	601.00	11
1963	130.00	6	133.00	4	177.00	8	269.00	18	277.00	14	335.00	18	357.00	20	369.00	17	386.00	16	827.00	24
1964	120.00	5	125.00	2	134.00	2	163.00	3	185.00	3	264.00	7	270.00	4	272.00	2	297.00	2	422.00	2
1965	182.00	18	193.00	15	207.00	10	228.00	9	263.00	11	291.00	11	307.00	10	310.00	8	339.00	8	588.00	10
1966	178.00	16	202.00	16	280.00	23	357.00	26	367.00	25	377.00	24	397.00	25	415.00	25	457.00	26	856.00	25
1967	78.00	2	80.70	1	96.10	1	113.00	1	153.00	1	212.00	1	218.00	1	241.00	1	266.00	1	405.00	1
1968	149.00	10	151.00	6	167.00	6	187.00	7	232.00	8	288.00	10	301.00	9	313.00	9	311.00	5	530.00	4
1969	293.00	26	304.00	26	309.00	26	322.00	24	347.00	22	355.00	21	373.00	21	382.00	19	387.00	18	693.00	18
1970	100.00	3	133.00	3	235.00	13	329.00	25	378.00	26	406.00	27	411.00	27	418.00	26	444.00	24	678.00	17
1971	297.00	27	338.00	27	347.00	27	373.00	27	385.00	27	403.00	26	409.00	26	418.00	27	447.00	25	793.00	20

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	3930.0	7	3730.0	6	3330.0	6	3030.0	6	2770.0	5	2290.0	4	1770.0	8	1460.0	9	1130.0	8	762.0	9
1942	4340.0	4	4130.0	3	3920.0	3	3480.0	3	3060.0	3	2580.0	3	2280.0	3	1950.0	3	1440.0	3	953.0	3
1943	3050.0	15	1890.0	24	1630.0	26	1530.0	25	1470.0	24	1180.0	24	1050.0	23	933.0	23	809.0	21	602.0	19
1944	2660.0	21	2500.0	21	2320.0	21	2250.0	18	2100.0	15	1790.0	14	1370.0	15	1150.0	17	905.0	17	614.0	18
1945	2640.0	22	2580.0	20	2390.0	20	2130.0	20	1900.0	21	1830.0	13	1500.0	12	1280.0	12	1010.0	12	690.0	12
1946	1760.0	26	1750.0	26	1670.0	25	1500.0	26	1230.0	25	1190.0	23	993.0	24	869.0	24	711.0	24	545.0	22
1947	3140.0	14	3100.0	12	3010.0	11	2670.0	12	2350.0	12	2160.0	9	1780.0	7	1500.0	7	1190.0	7	786.0	6
1948	3150.0	13	3150.0	11	3010.0	12	2690.0	11	2430.0	10	1890.0	10	1550.0	11	1330.0	10	1040.0	10	727.0	11
1949	4020.0	5	3820.0	5	3580.0	4	3200.0	4	2710.0	6	2260.0	5	1900.0	5	1600.0	5	1240.0	5	792.0	5
1950	2730.0	19	2720.0	16	2660.0	14	2410.0	15	2050.0	17	1560.0	20	1250.0	18	1060.0	19	840.0	19	617.0	17
1951	3350.0	11	2700.0	17	2430.0	19	2170.0	19	1940.0	20	1690.0	16	1350.0	16	1170.0	15	920.0	16	646.0	16
1952	5010.0	1	4960.0	1	4880.0	1	4490.0	1	3600.0	2	2990.0	2	2450.0	2	2030.0	2	1560.0	2	956.0	2
1953	3760.0	9	3580.0	9	3240.0	8	2790.0	8	2550.0	9	1710.0	15	1340.0	17	1150.0	16	932.0	15	657.0	14
1954	1680.0	28	1620.0	28	1490.0	28	1340.0	28	1150.0	28	921.0	26	767.0	27	683.0	27	576.0	27	471.0	27
1955	3000.0	16	2300.0	22	1900.0	23	1690.0	22	1580.0	22	1360.0	22	1080.0	22	1000.0	21	765.0	22	536.0	23
1956	2620.0	23	2590.0	19	2500.0	17	2420.0	14	2090.0	16	1580.0	18	1210.0	19	1090.0	18	843.0	18	577.0	20
1957	4980.0	3	4830.0	2	4630.0	2	4230.0	2	3960.0	1	3260.0	1	2610.0	1	2210.0	1	1640.0	1	1000.0	1
1961	2490.0	24	1830.0	25	1750.0	24	1620.0	24	1470.0	23	1080.0	25	844.0	26	725.0	26	616.0	26	478.0	26
1962	5010.0	2	4030.0	4	3310.0	7	2780.0	9	2410.0	11	2220.0	7	2040.0	4	1870.0	4	1430.0	4	922.0	4
1963	1720.0	27	1650.0	27	1540.0	27	1460.0	27	1220.0	26	880.0	28	744.0	28	650.0	28	550.0	28	466.0	28
1964	2700.0	20	2610.0	18	2580.0	16	2290.0	17	2120.0	14	1580.0	19	1210.0	20	1040.0	20	811.0	20	546.0	21
1965	4010.0	6	3630.0	7	3440.0	5	3150.0	5	2650.0	7	2180.0	8	1800.0	6	1520.0	6	1190.0	6	782.0	7
1966	3160.0	12	2830.0	14	2590.0	15	1640.0	23	1190.0	27	903.0	27	954.0	25	817.0	25	674.0	25	504.0	25
1967	2870.0	18	2750.0	15	2490.0	18	2310.0	16	2020.0	18	1470.0	21	1130.0	21	948.0	22	758.0	23	533.0	24
1968	3410.0	10	3300.0	10	3070.0	10	2740.0	10	2570.0	8	1870.0	12	1450.0	13	1250.0	13	973.0	13	652.0	15
1969	2270.0	25	2090.0	23	2020.0	22	1980.0	21	1940.0	19	1590.0	17	1370.0	14	1190.0	14	932.0	14	665.0	13
1970	3820.0	8	3580.0	8	3120.0	9	2910.0	7	2790.0	4	2250.0	6	1760.0	9	1460.0	8	1110.0	9	780.0	8
1971	2890.0	17	2860.0	13	2810.0	13	2640.0	13	2280.0	13	1880.0	11	1560.0	10	1330.0	11	1020.0	11	733.0	10

09306500 White River near Watson, Utah--Continued

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	0	10226	100.0	9	180.00	68	10111	98.9	18	670.0	318	2425	23.7	27	2600	131	281	2.7
1	53.00	0	10226	100.0	10	200.00	253	10043	98.2	19	780.0	255	2107	20.6	28	3000	81	150	1.4
2	62.00	0	10226	100.0	11	240.00	309	9790	95.7	20	910.0	288	1852	18.1	29	3500	32	69	.6
3	71.00	4	10226	100.0	12	270.00	953	9481	92.7	21	1100.0	102	1564	15.3	30	4000	26	37	.3
4	83.00	1	10222	100.0	13	320.00	1548	8528	83.4	22	1200.0	248	1462	14.3	31	4700	11	11	.1
5	96.00	6	10221	100.0	14	370.00	1936	6980	68.3	23	1400.0	307	1214	11.9	32	5500			
6	110.00	14	10215	99.9	15	430.00	1331	5044	49.3	24	1700.0	181	907	8.9	33	6300			
7	130.00	26	10201	99.8	16	500.00	821	3713	36.3	25	1900.0	232	726	7.1	34	7400			
8	150.00	64	10175	99.5	17	580.00	467	2892	28.3	26	2200.0	213	494	4.8					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1941	1 1 4 5 47 42 72 36 50 19 8 7 6 5 4 7 10 9 15 11 4 2	278078.0
1942	1 2 3 31103 51 31 14 13 9 7 2 11 18 10 14 16 15 7 5 2	346825.0
1943	2 1 1 13 35 28 58 73 40 26 16 12 18 1 20 17 2 1 1	219766.0
1944	1 1 1 3 35 45 60 79 40 25 8 8 3 3 3 2 13 13 11 11 1	224729.0
1945	10 35 42 74 55 38 21 13 6 7 1 3 23 14 12 10 1	251778.0
1946	1 7 2 32 78 63 74 24 13 8 10 18 4 17 10 4	198809.0
1947	14 36 9 80 54 41 23 16 10 9 1 6 15 8 18 13 7 5	286954.0
1948	1 13 33 38 33 76 40 20 16 17 24 3 8 13 5 4 11 6 5	266167.0
1949	10 6 23 14 17 18 81 34 22 27 14 11 10 2 12 11 11 19 6 8 5 3 1	289118.0
1950	3 8 48 47 57 75 29 28 16 5 5 2 9 8 5 9 6 5	225246.0
1951	1 1 6 33 64 99 39 26 17 7 5 11 4 11 11 10 8 8 3 1	235855.0
1952	1 12107 57 17 17 23 24 6 13 11 9 9 6 8 11 7 13 3 5 7	349993.0
1953	2 2 8 23 17126 62 28 28 17 11 2 2 3 4 3 3 10 9 3 2	239923.0
1954	3 14 2 18 20 33 67 78 42 20 9 14 12 11 5 10 7	171734.0
1955	4 6 10 35 32 54 62 38 22 19 11 8 8 7 3 15 14 7 8 1 1	195595.0
1956	3 4 29 24 43 95 49 24 9 9 11 14 7 3 7 11 3 6 13 2	211325.0
1957	1 2 2 6 50 58 35 27 43 14 10 12 13 7 14 13 6 5 4 4 10 10 16 3	366075.0
1961	1 1 21 18 54136 55 9 10 6 8 8 5 1 11 15 5 1	174317.0
1962	1 1 5 2 3 71 55 37 42 11 10 12 13 4 6 16 16 26 20 5 5 2 1 1	336585.0
1963	3 8 9 12 13 9 18 48 92 72 33 9 7 5 6 3 9 8 1	169913.0
1964	1 1 9 28 24 86 69 25 38 24 5 4 1 9 3 5 4 7 12 7 4	199681.0
1965	3 4 16 71 90 24 27 23 14 10 17 2 10 11 6 9 9 6 9 3 1	285255.0
1966	3 1 4 9 6 9 9 35 14 18 31 51 65 35 21 6 10 13 4 7 6 1 1 2 2 2	183892.0
1967	1 3 2 9 18 17 77 84 44 19 19 14 9 6 4 1 5 12 4 6 8 3	194689.0
1968	86 72 68 28 17 16 6 15 11 5 4 7 2 6 7 12 4	238449.0
1969	5 70110 50 13 18 10 13 15 10 13 9 10 17 2	242849.0
1970	1 1 1 1 2 21 69113 50 20 12 5 9 4 3 6 6 7 14 12 6 2	284591.0
1971	7 9 12 95 75 49 14 13 12 15 6 14 9 6 13 8 8	267693.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.495E+03	0.370E+03	0.296E+03	0.296E+03	0.400E+03	0.511E+03	0.564E+03	0.254E+04	0.198E+04	0.656E+03	0.533E+03	0.482E+03
1942	0.716E+03	0.482E+03	0.388E+03	0.369E+03	0.398E+03	0.706E+03	0.180E+04	0.258E+04	0.242E+04	0.723E+03	0.433E+03	0.385E+03
1943	0.471E+03	0.461E+03	0.368E+03	0.346E+03	0.433E+03	0.538E+03	0.675E+03	0.911E+03	0.147E+04	0.504E+03	0.720E+03	0.334E+03
1944	0.346E+03	0.387E+03	0.347E+03	0.306E+03	0.372E+03	0.523E+03	0.479E+03	0.153E+04	0.188E+04	0.647E+03	0.299E+03	0.255E+03
1945	0.314E+03	0.338E+03	0.325E+03	0.415E+03	0.461E+03	0.457E+03	0.497E+03	0.176E+04	0.177E+04	0.925E+03	0.611E+03	0.395E+03
1946	0.403E+03	0.447E+03	0.333E+03	0.359E+03	0.373E+03	0.493E+03	0.730E+03	0.111E+04	0.112E+04	0.341E+03	0.477E+03	0.350E+03
1947	0.449E+03	0.411E+03	0.373E+03	0.270E+03	0.350E+03	0.693E+03	0.591E+03	0.228E+04	0.195E+04	0.990E+03	0.607E+03	0.442E+03
1948	0.548E+03	0.469E+03	0.440E+03	0.381E+03	0.369E+03	0.620E+03	0.989E+03	0.209E+04	0.154E+04	0.511E+03	0.452E+03	0.316E+03
1949	0.387E+03	0.378E+03	0.314E+03	0.244E+03	0.246E+03	0.632E+03	0.746E+03	0.172E+04	0.266E+04	0.118E+04	0.496E+03	0.473E+03
1950	0.548E+03	0.438E+03	0.340E+03	0.332E+03	0.313E+03	0.486E+03	0.560E+03	0.103E+04	0.202E+04	0.615E+03	0.330E+03	0.403E+03
1951	0.402E+03	0.394E+03	0.366E+03	0.295E+03	0.423E+03	0.436E+03	0.439E+03	0.129E+04	0.189E+04	0.831E+03	0.629E+03	0.357E+03
1952	0.408E+03	0.382E+03	0.341E+03	0.327E+03	0.336E+03	0.336E+03	0.130E+04	0.242E+04	0.353E+04	0.818E+03	0.751E+03	0.555E+03
1953	0.420E+03	0.367E+03	0.427E+03	0.402E+03	0.419E+03	0.577E+03	0.499E+03	0.114E+04	0.226E+04	0.533E+03	0.559E+03	0.288E+03
1954	0.344E+03	0.406E+03	0.347E+03	0.369E+03	0.460E+03	0.398E+03	0.580E+03	0.112E+04	0.536E+03	0.297E+03	0.217E+03	0.580E+03
1955	0.431E+03	0.336E+03	0.292E+03	0.259E+03	0.338E+03	0.758E+03	0.522E+03	0.142E+04	0.127E+04	0.252E+03	0.334E+03	0.208E+03
1956	0.331E+03	0.362E+03	0.346E+03	0.328E+03	0.338E+03	0.709E+03	0.558E+03	0.160E+04	0.143E+04	0.357E+03	0.345E+03	0.217E+03
1957	0.314E+03	0.345E+03	0.295E+03	0.349E+03	0.399E+03	0.497E+03	0.493E+03	0.124E+04	0.366E+04	0.275E+04	0.108E+04	0.586E+03
1961	0.345E+03	0.358E+03	0.307E+03	0.303E+03	0.348E+03	0.371E+03	0.368E+03	0.105E+04	0.109E+04	0.260E+03	0.300E+03	0.638E+03
1962	0.622E+03	0.433E+03	0.375E+03	0.337E+03	0.670E+03	0.108E+04	0.143E+04	0.225E+04	0.215E+04	0.957E+03	0.412E+03	0.353E+03
1963	0.454E+03	0.424E+03	0.347E+03	0.331E+03	0.428E+03	0.389E+03	0.487E+03	0.116E+04	0.514E+03	0.190E+03	0.413E+03	0.450E+03
1964	0.243E+03	0.324E+03	0.253E+03	0.277E+03	0.326E+03	0.423E+03	0.509E+03	0.137E+04	0.167E+04	0.491E+03	0.401E+03	0.264E+03
1965	0.326E+03	0.342E+03	0.350E+03	0.380E+03	0.403E+03	0.544E+03	0.590E+03	0.159E+04	0.265E+04	0.113E+04	0.519E+03	0.546E+03
1966	0.546E+03	0.467E+03	0.432E+03	0.396E+03	0.373E+03	0.101E+04	0.541E+03	0.116E+04	0.430E+03	0.161E+03	0.266E+03	0.232E+03
1967	0.376E+03	0.296E+03	0.303E+03	0.294E+03	0.318E+03	0.467E+03	0.408E+03	0.113E+04	0.171E+04	0.497E+03	0.273E+03	0.327E+03
1968	0.356E+03	0.332E+03	0.296E+03	0.291E+03	0.352E+03	0.399E+03	0.480E+03	0.116E+04	0.251E+04	0.601E+03	0.693E+03	0.362E+03
1969	0.420E+03	0.399E+03	0.422E+03	0.382E+03	0.349E+03	0.533E+03	0.881E+03	0.188E+04	0.125E+04	0.543E+03	0.402E+03	0.498E+03
1970	0.535E+03	0.455E+03	0.398E+03	0.422E+03	0.443E+03	0.410E+03	0.454E+03	0.201E+04	0.237E+04	0.844E+03	0.517E+03	0.487E+03
1971	0.529E+03	0.470E+03	0.419E+03	0.430E+03	0.389E+03	0.582E+03	0.722E+03	0.140E+04	0.227E+04	0.768E+03	0.328E+03	0.491E+03

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09306500 White River near Watson, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.4314E+03	0.3954E+03	0.3515E+03	0.3389E+03	0.3867E+03	0.5564E+03	0.6744E+03	0.1569E+04	0.1856E+04	0.6918E+03	0.4784E+03	0.4026E+03
0.1127E+05	0.2742E+04	0.2386E+04	0.2612E+04	0.5514E+04	0.3140E+05	0.1101E+06	0.2529E+06	0.6197E+06	0.2388E+06	0.3482E+05	0.1433E+05
0.1062E+03	0.5236E+02	0.4885E+02	0.5110E+02	0.7426E+02	0.1772E+03	0.3318E+03	0.5029E+03	0.7872E+03	0.4886E+03	0.1866E+03	0.1197E+03
0.7404E+00	0.5424E-01	0.1742E+00	0.3757E-01	0.1924E+01	0.1560E+01	0.2184E+01	0.7121E+00	0.2670E+00	0.2842E+01	0.1305E+01	0.1509E+00
0.2461E+00	0.1724E+00	0.1390E+00	0.1508E+00	0.1920E+00	0.3185E+00	0.4920E+00	0.3205E+00	0.4240E+00	0.7063E+00	0.3900E+00	0.2973E+00
0.5305E+01	0.4862E+01	0.4321E+01	0.4167E+01	0.4755E+01	0.6842E+01	0.8293E+01	0.1929E+02	0.2282E+02	0.8507E+01	0.5883E+01	0.4950E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.781	0.591	*	*	*	*	*	*	*	*	*
*	1.000	0.715	0.479	*	*	*	*	*	*	*	*
*	*	1.000	0.677	0.271	*	*	*	*	*	*	*
*	*	*	1.000	0.406	0.053	*	*	*	*	*	*
*	*	*	*	1.000	0.323	0.280	*	*	*	*	*
*	*	*	*	*	1.000	0.383	0.250	*	*	*	*
*	*	*	*	*	*	1.000	0.650	0.279	*	*	*
*	*	*	*	*	*	*	1.000	0.380	0.191	*	*
*	*	*	*	*	*	*	*	1.000	0.767	0.677	*
*	*	*	*	*	*	*	*	*	1.000	0.738	0.410
*	*	*	*	*	*	*	*	*	*	1.000	0.276
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.016

SEPT-OCT 0.579

SEPT-NOV 0.420

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.169	0.091	0.009	-0.010	0.034	-0.191	-0.183	-0.004	-0.197	-0.299	-0.233	-0.189

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09307000 Green River near Ouray, Utah

LOCATION.--Lat 40°04'20", long 109°43'40", in NE¼ sec.11, T.5 S., R.2 E., Uintah meridian, on right bank 2.75 miles (4.42 km) upstream from Willow Creek and 3 miles (5 km) southwest of Ouray.

DRAINAGE AREA.--35,500 sq mi (91,900 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 4,637.0 ft (1,413.36 m) above mean sea level, datum of 1929.

EXTREMES.--Maximum discharge, 43,600 ft^3/s (1,235 m^3/s) June 11, 1952 (gage height, 14.99 ft or 4.569 m); minimum daily, 470 ft^3/s (13.3 m^3/s) July 31, Aug. 1, 1963.

REMARKS.--Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir since Nov. 1, 1962.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1949	850.00	6	930.00	5	978.00	5	998.00	3	1070.00	3	1260.00	4	1390.00	4	1430.00	3	1500.00	2	5170.00	5
1950	700.00	3	727.00	3	954.00	4	1310.00	8	1590.00	7	1890.00	8	2080.00	8	2310.00	9	2320.00	8	7110.00	10
1951	1100.00	9	1100.00	9	1130.00	8	1280.00	7	1680.00	8	2050.00	10	2320.00	10	2330.00	10	2420.00	9	7390.00	11
1952	1300.00	10	1360.00	10	1480.00	10	1710.00	10	1920.00	10	2040.00	9	2110.00	9	2190.00	7	2440.00	10	6430.00	7
1953	950.00	7	1020.00	7	1190.00	9	1370.00	9	1790.00	9	1870.00	7	1920.00	7	1990.00	6	2190.00	6	8790.00	12
1954	800.00	5	933.00	6	1050.00	6	1070.00	4	1140.00	4	1350.00	6	1550.00	5	1590.00	5	1730.00	5	4530.00	4
1955	960.00	8	1040.00	8	1120.00	7	1160.00	6	1200.00	6	1230.00	3	1320.00	3	1460.00	4	1650.00	4	3630.00	2
1962	700.00	4	740.00	4	921.00	3	1110.00	5	1140.00	5	1300.00	5	1840.00	6	2220.00	8	2230.00	7	3950.00	3
1963	580.00	2	653.00	2	750.00	2	911.00	2	946.00	2	1110.00	2	1200.00	2	1380.00	2	1500.00	3	6860.00	9
1964	470.00	1	473.00	1	491.00	1	542.00	1	640.00	1	854.00	1	941.00	1	906.00	1	1050.00	1	2240.00	1
1965	1450.00	11	1660.00	11	2020.00	12	2110.00	11	2250.00	11	2710.00	11	2900.00	11	3050.00	11	3440.00	11	5360.00	6
1966	1870.00	12	1950.00	12	2000.00	11	2230.00	12	2510.00	12	2830.00	12	3150.00	12	3470.00	12	3480.00	12	6740.00	8

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1948	26000.0	9	25700.0	9	24900.0	9	24400.0	8	22100.0	7	17400.0	7	14300.0	8	12200.0	8	8940.0	8	5560.0	8
1949	33000.0	3	32500.0	3	31700.0	3	30000.0	3	26500.0	4	23000.0	4	19400.0	5	16000.0	5	11700.0	5	6670.0	6
1950	31600.0	5	31000.0	5	30100.0	5	28600.0	4	27700.0	3	23400.0	3	19900.0	4	16900.0	4	12600.0	4	7540.0	4
1951	30200.0	6	30000.0	6	29000.0	6	25900.0	6	23000.0	6	19400.0	6	16000.0	6	13800.0	6	10500.0	6	6520.0	7
1952	43400.0	1	42800.0	2	41300.0	2	37300.0	2	31700.0	2	30900.0	1	25800.0	1	21200.0	1	15200.0	1	8850.0	1
1953	27900.0	8	27300.0	8	26300.0	8	23600.0	9	20100.0	9	14400.0	9	11500.0	9	9550.0	9	7400.0	9	4690.0	9
1954	19100.0	11	18800.0	11	17600.0	11	15000.0	11	11900.0	12	9120.0	12	8110.0	12	7110.0	12	5600.0	12	3680.0	13
1955	14400.0	14	14300.0	13	13800.0	12	13200.0	12	12400.0	11	11500.0	11	9720.0	10	8280.0	10	6250.0	10	3890.0	11
1957	43100.0	2	42900.0	1	42400.0	1	38800.0	1	33700.0	1	26900.0	2	22800.0	2	18800.0	2	13700.0	2	7720.0	3
1961	14600.0	13	14300.0	14	13600.0	13	12600.0	13	11000.0	13	8080.0	14	6400.0	14	5490.0	14	4160.0	14	2880.0	14
1962	32500.0	4	32200.0	4	30900.0	4	26900.0	5	25700.0	5	21300.0	5	20000.0	3	18000.0	3	13700.0	3	7990.0	2
1963	10300.0	15	10000.0	15	8940.0	15	8590.0	15	8120.0	15	6160.0	15	5000.0	15	4130.0	15	3240.0	15	2240.0	15
1964	20600.0	10	20300.0	10	19800.0	10	18000.0	10	15800.0	10	12300.0	10	9710.0	11	8150.0	11	6240.0	11	3880.0	12
1965	29900.0	7	29500.0	7	28300.0	7	25600.0	7	21100.0	8	17300.0	8	14700.0	7	12800.0	7	10300.0	7	6990.0	5
1966	15000.0	12	14400.0	12	13200.0	14	11200.0	14	10000.0	14	8400.0	13	7910.0	13	6990.0	13	5590.0	13	4410.0	10

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	0	5478	100.0	9	1400.00	273	4811	87.8	18	4800.0	193	1629	29.7	27	17000	79	434	7.9
1	470.00	8	5478	100.0	10	1600.00	256	4538	82.8	19	5500.0	154	1436	26.2	28	19000	90	355	6.4
2	540.00	13	5470	99.9	11	1800.00	563	4282	78.2	20	6300.0	148	1282	23.4	29	22000	85	265	4.8
3	620.00	21	5457	99.6	12	2100.00	485	3719	67.9	21	7300.0	128	1134	20.7	30	25000	91	180	3.2
4	710.00	32	5436	99.2	13	2400.00	441	3234	59.0	22	8300.0	123	1006	18.4	31	29000	52	89	1.6
5	810.00	47	5404	98.6	14	2800.00	395	2793	51.0	23	9600.0	92	883	16.1	32	33000	17	37	.6
6	930.00	132	5357	97.8	15	3200.00	317	2398	43.8	24	11000.0	140	791	14.4	33	38000	17	20	.3
7	1100.00	132	5225	95.4	16	3700.00	200	2081	38.0	25	13000.0	55	651	11.9	34	43000	3	3	.0
8	1200.00	282	5093	93.0	17	4200.00	252	1881	34.3	26	14000.0	162	596	10.9					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09307000 Green River near Ouray, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1948							18	6	7	11	11	40	47	44	35	23	11	6	4	9	5	6	10	13	20	4	8	4	5	16	3					2033248.0
1949					2	5	6	14	40	74	46	14	12	8	7	6	8	9	9	10	4	9	5	4	2	17	8	10	17	8	9	2				2432880.0
1950				1	2	1		2		6	13	27	38	37	40	29	17	13	12	10	7	9	6	10	12	3	21	4	5	10	24	6				2753230.0
1951								6	4	2	5	19	53	42	31	38	15	15	9	6	16	14	22	6	9	2	18	6	7	7	10	3				2378870.0
1952									2	9	5	9	85	52	24	17	13	22	10	7	9	3	3	2	7	6	11	9	6	9	9	14	12	10	1	3239060.0
1953								5	6	12	15	12	56	42	51	27	19	15	19	12	13	11	5	4	2	7	1	10	7	3	4	7				1713550.0
1954					1		9	7	16	31	23	69	34	24	29	10	3	22	25	10	11	11	8	6	6	1	4	3	2							1343350.0
1955						6	17	26	31	32	21	59	20	16	18	16	7	7	6	6	12	10	5	12	18	15	5									1420641.0
1957							12	14	72	5	15	25	4	21	16	19	11	23	11	6	8	12	5	3	4	1	14	14	9	7	12	10	3	7	2	2819560.0
1961		1		2	2	2	29	28	44	28	30	64	10	18	21	17	15	6	6	6	5	4	6	4	11	2	4									1052737.0
1962				1	2		2	2	10	39	8	36	17	22	35	18	12	14	8	6	7	9	4	5	6	4	27	14	28	9	13	7				2917570.0
1963		7	7	8	19	17	24	26	63	35	7	41	25	18	14	6	2	2	9	3	9	11	9	3												818565.0
1964			6	9	6	19	11	3	7	20	32	54	35	30	17	21	15	15	6	8	2	1	4	10	10	6	8	4	7							1420261.0
1965												11	7	14	25	36	40	39	43	31	21	16	10	8	18	7	11	6	8	6	5	3				2550930.0
1966												7	54	40	55	41	18	41	23	24	15	13	18	3	8	1	4									1610850.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	0.146E+04	0.162E+04	0.152E+04	0.158E+04	0.187E+04	0.427E+04	0.823E+04	0.200E+05	0.260E+05	0.908E+04	0.249E+04	0.175E+04
1950	0.313E+04	0.294E+04	0.186E+04	0.204E+04	0.244E+04	0.523E+04	0.109E+05	0.174E+05	0.268E+05	0.116E+05	0.367E+04	0.244E+04
1951	0.235E+04	0.277E+04	0.259E+04	0.176E+04	0.295E+04	0.348E+04	0.662E+04	0.153E+05	0.218E+05	0.100E+05	0.582E+04	0.268E+04
1952	0.336E+04	0.265E+04	0.213E+04	0.204E+04	0.229E+04	0.245E+04	0.161E+05	0.307E+05	0.292E+05	0.775E+04	0.478E+04	0.279E+04
1953	0.191E+04	0.194E+04	0.195E+04	0.226E+04	0.247E+04	0.350E+04	0.393E+04	0.814E+04	0.199E+05	0.575E+04	0.325E+04	0.139E+04
1954	0.134E+04	0.198E+04	0.171E+04	0.171E+04	0.250E+04	0.280E+04	0.489E+04	0.113E+05	0.626E+04	0.566E+04	0.199E+04	0.197E+04
1955	0.206E+04	0.196E+04	0.123E+04	0.127E+04	0.150E+04	0.331E+04	0.537E+04	0.115E+05	0.114E+05	0.349E+04	0.246E+04	0.113E+04
1957	0.122E+04	0.161E+04	0.130E+04	0.135E+04	0.184E+04	0.375E+04	0.532E+04	0.160E+05	0.322E+05	0.193E+05	0.560E+04	0.300E+04
1961	0.152E+04	0.184E+04	0.123E+04	0.123E+04	0.168E+04	0.245E+04	0.310E+04	0.630E+04	0.966E+04	0.182E+04	0.119E+04	0.265E+04
1962	0.351E+04	0.266E+04	0.184E+04	0.164E+04	0.629E+04	0.706E+04	0.183E+05	0.222E+05	0.183E+05	0.976E+04	0.299E+04	0.148E+04
1963	0.189E+04	0.145E+04	0.116E+04	0.107E+04	0.207E+04	0.153E+04	0.268E+04	0.701E+04	0.511E+04	0.777E+03	0.965E+03	0.122E+04
1964	0.725E+03	0.126E+04	0.140E+04	0.179E+04	0.198E+04	0.201E+04	0.329E+04	0.108E+05	0.125E+05	0.540E+04	0.298E+04	0.249E+04
1965	0.330E+04	0.353E+04	0.401E+04	0.491E+04	0.538E+04	0.580E+04	0.843E+04	0.132E+05	0.210E+05	0.808E+04	0.325E+04	0.308E+04
1966	0.403E+04	0.409E+04	0.397E+04	0.287E+04	0.292E+04	0.587E+04	0.652E+04	0.981E+04	0.545E+04	0.238E+04	0.235E+04	0.258E+04

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2273E+04	0.2307E+04	0.1993E+04	0.1965E+04	0.2728E+04	0.3822E+04	0.7410E+04	0.1425E+05	0.1754E+05	0.7198E+04	0.3128E+04	0.2190E+04
0.1041E+07	0.6843E+06	0.8781E+06	0.9356E+06	0.1948E+07	0.2664E+07	0.2273E+08	0.4480E+08	0.8454E+08	0.2299E+08	0.2129E+07	0.4624E+06
0.1021E+04	0.8272E+03	0.9371E+03	0.9673E+03	0.1396E+04	0.1632E+04	0.4768E+04	0.6693E+04	0.9194E+04	0.4794E+04	0.1459E+04	0.6800E+03
0.3032E+00	0.8348E+00	0.1536E+01	0.2421E+01	0.1938E+01	0.5943E+00	0.1389E+01	0.1161E+01	0.3389E-01	0.1053E+01	0.5639E+00	-0.3619E+00
0.4490E+00	0.3586E+00	0.4701E+00	0.4922E+00	0.5118E+00	0.4271E+00	0.6435E+00	0.4696E+00	0.5242E+00	0.6660E+00	0.4665E+00	0.3105E+00
0.3402E+01	0.3453E+01	0.2983E+01	0.2942E+01	0.4083E+01	0.5721E+01	0.1109E+02	0.2134E+02	0.2625E+02	0.1077E+02	0.4682E+01	0.3278E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.900	0.710	*	*	*	*	*	*	*	*	*
*	1.000	0.899	0.699	*	*	*	*	*	*	*	*
*	*	1.000	0.872	0.537	*	*	*	*	*	*	*
*	*	*	1.000	0.566	0.511	*	*	*	*	*	*
*	*	*	*	1.000	0.750	0.605	*	*	*	*	*
*	*	*	*	*	1.000	0.577	0.272	*	*	*	*
*	*	*	*	*	*	1.000	0.870	0.485	*	*	*
*	*	*	*	*	*	*	1.000	0.704	0.523	*	*
*	*	*	*	*	*	*	*	1.000	0.843	0.783	*
*	*	*	*	*	*	*	*	*	1.000	0.788	0.412
*	*	*	*	*	*	*	*	*	*	1.000	0.516
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.098
SEPT-OCT 0.636
SEPT-NOV 0.606

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.010	0.312	0.553	0.328	-0.180	-0.164	-0.320	-0.253	0.030	-0.367	0.025	0.078

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09307500 Willow Creek above diversions, near Ouray, Utah

LOCATION.--Lat 39°34'13", long 109°35'05", in NW¼NE¼SE¼ sec.29, T.14 S., R.21 E., Uintah County, on right bank 0.2 mile (0.3 km) upstream from Ankerpont ranch, and 48 miles (77 km) south of Ouray.

DRAINAGE AREA.--300 sq mi (777 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 5,980 ft (1,823 m) by barometer. Prior to Nov. 7, 1952, water-stage recorder at site 500 ft (150 m) downstream at different datum. Nov. 7, 1952, to Aug. 1, 1962, water-stage recorder at present site at datum 1.72 ft (0.524 m) higher.

EXTREMES.--Maximum discharge, 668 ft^3/s (18.9 m^3/s) Aug. 6, 1963, from rating curve extended above 130 ft^3/s (3.68 m^3/s); maximum gage height, 10.30 ft (3.139 m) Mar. 27, 1962, present datum; minimum discharge 0.3 ft^3/s (0.008 m^3/s) Aug. 21,22, 23, 1960.

REMARKS.--One small diversion above station for irrigation of about 100 acres (40 hm^2) of hay land below station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1952	4.50	6	4.60	6	4.84	6	5.59	6	7.69	8	8.00	7	8.84	6	9.77	7	10.80	8	13.20	5
1953	10.00	15	10.00	15	10.00	14	10.00	14	10.00	13	11.00	13	11.50	13	12.90	14	14.90	15	35.40	15
1954	8.00	12	8.00	11	8.26	11	8.49	11	8.65	10	9.30	10	11.40	12	12.00	12	13.70	13	18.00	9
1955	6.40	10	6.53	10	6.76	9	7.09	9	8.84	11	9.07	9	9.39	9	10.70	9	11.30	9	18.10	10
1959	6.10	9	6.17	8	6.39	8	6.65	8	7.64	7	10.40	12	10.80	11	11.50	10	11.60	10	21.60	11
1960	2.40	4	2.57	4	2.97	4	3.24	4	3.90	4	5.26	3	5.94	3	6.13	3	6.94	2	11.20	2
1961	0.30	1	0.37	1	0.53	2	0.72	2	1.30	2	1.98	1	2.74	1	3.36	1	5.51	1	10.30	1
1962	0.40	2	0.40	2	0.49	1	0.63	1	1.19	1	2.95	2	4.25	2	5.59	2	7.39	4	13.80	6
1963	5.10	8	5.50	7	5.86	7	6.19	7	6.33	6	7.75	6	9.11	8	10.30	8	9.67	5	29.00	14
1964	1.10	3	1.13	3	1.39	3	1.96	3	3.45	3	6.60	5	8.23	5	8.78	5	9.85	6	12.90	3
1965	3.70	5	3.80	5	3.99	5	4.09	5	4.92	5	6.45	4	6.84	4	6.80	4	7.04	3	13.20	4
1966	9.60	14	9.90	14	10.30	15	10.60	15	11.60	15	12.90	15	13.80	15	14.30	15	14.30	14	24.60	13
1967	4.90	7	6.23	9	6.80	10	7.39	10	8.01	9	8.48	8	8.92	7	9.55	6	10.60	7	15.10	7
1968	7.80	11	8.07	12	8.76	12	9.23	12	9.61	12	10.00	11	10.70	10	11.90	11	12.30	11	15.80	8
1969	8.60	13	8.77	13	9.23	13	9.90	13	10.60	14	11.30	14	11.90	14	12.30	13	13.00	12	22.10	12
1970	11.00	16	11.00	16	11.60	16	12.20	16	13.60	16	14.70	16	15.10	16	15.60	16	16.80	16	36.10	16

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1951	41.0	18	33.7	17	32.6	16	29.9	16	29.2	16	27.1	15	25.1	14	23.6	12	21.2	11	16.9	10
1952	222.0	2	218.0	2	205.0	1	179.0	1	149.0	1	113.0	1	88.0	1	73.5	1	54.5	1	33.4	2
1953	109.0	7	76.0	10	44.6	14	39.9	13	33.2	14	28.7	14	26.2	13	23.5	13	20.4	13	16.6	11
1954	70.0	14	64.7	13	62.6	11	60.5	9	49.7	8	40.6	8	35.4	8	31.2	9	26.1	9	19.7	7
1955	120.0	6	109.0	6	77.7	8	52.1	11	38.9	12	38.4	10	33.4	10	28.7	10	22.2	10	16.2	12
1958	92.0	10	87.0	9	81.1	6	76.9	6	71.8	5	61.0	5	51.2	5	45.5	4	35.8	4	23.5	5
1959	45.0	16	32.3	18	29.3	17	24.1	18	22.5	18	20.7	18	19.0	18	17.1	18	15.0	18	11.7	16
1960	50.0	15	44.3	15	42.9	15	36.4	15	35.8	13	28.9	13	24.8	15	21.4	15	17.3	16	11.3	17
1961	80.0	12	66.7	12	45.9	13	37.3	14	32.4	15	26.8	16	22.9	16	19.6	17	15.2	17	11.1	18
1962	259.0	1	232.0	1	191.0	2	148.0	2	147.0	2	109.0	2	83.0	3	66.5	3	47.8	3	28.4	3
1963	108.0	8	93.0	7	78.9	7	65.4	7	48.2	9	35.7	11	30.5	11	26.9	11	20.8	12	16.2	13
1964	96.0	9	87.3	8	66.1	10	53.3	10	43.4	11	35.1	12	28.1	12	23.3	14	18.2	15	13.4	15
1965	81.0	11	64.0	14	54.0	12	45.3	12	44.1	10	38.5	9	33.7	9	31.9	8	27.3	7	18.2	9
1966	135.0	4	110.0	5	98.6	5	79.1	5	63.0	6	47.2	7	39.9	7	34.3	7	27.3	8	19.7	8
1967	44.0	17	33.7	16	28.4	18	25.8	17	24.5	17	22.2	17	20.7	17	20.3	16	18.7	14	15.5	14
1968	71.0	13	49.7	11	67.7	9	65.3	8	62.2	7	52.8	6	44.6	6	39.6	6	32.4	6	22.3	6
1969	160.0	3	158.0	3	151.0	3	144.0	3	132.0	3	103.0	3	87.6	2	72.4	2	54.0	2	33.7	1
1970	121.0	5	118.0	4	108.0	4	101.0	4	83.1	4	64.7	4	52.4	4	43.8	5	33.9	5	25.0	4

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	0	6574	100.0	9	1.80	21	6516	99.1	18	11.0	1253	4547	69.2	27	68	86	240	3.6
1	0.30	1	6574	100.0	10	2.20	21	6495	98.8	19	14.0	872	3294	50.1	28	83	50	154	2.3
2	0.40	8	6573	100.0	11	2.70	28	6474	98.5	20	17.0	540	2422	36.8	29	100	35	104	1.5
3	0.50	5	6565	99.9	12	3.30	70	6446	98.1	21	20.0	666	1882	28.6	30	120	38	69	1.0
4	0.70	5	6560	99.8	13	4.10	70	6376	97.0	22	25.0	359	1216	18.5	31	150	14	31	.4
5	0.80	7	6555	99.7	14	5.00	240	6306	95.9	23	30.0	229	857	13.0	32	180	16	17	.2
6	1.00	8	6548	99.6	15	6.10	304	6066	92.3	24	37.0	152	628	9.6	33	230	1	1	.0
7	1.20	10	6540	99.5	16	7.40	711	5762	87.6	25	45.0	104	476	7.2	34				
8	1.50	14	6530	99.3	17	9.10	504	5051	76.8	26	55.0	132	372	5.7					

09307500 Willow Creek above diversions, near Ouray, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1951														7	16	12	31	15	20	78	60	73	35	17	1										6151.8
1952																		8	161	27	32	28	13	15	13	11	7	9	9	12	6	8	7		12214.0
1953																	41	58	83	34	37	62	28	6	12	2		1		1					6075.0
1954																18	20	23	34	77	75	43	27	17	11	7	12	1							7197.2
1955																48	19	66	41	25	60	11	34	17	19	15	5		2	1	1	1			5907.6
1958															1	3	36	23	36	70	31	14	38	36	12	8	9	18	26	4					8580.0
1959												2	6	24	15	30	24	18	31	105	37	37	26	4	5		1								4253.2
1960		1	2	2	2	6	4	4	7	8	11	8	25	18	6	22	78	33	46	11	7	32	7	13	10	3									4141.2
1961			6	3	3	1	2	4	5	6	7	12	7	18	39	15	83	29	30	22	28	24	5	5	5	2	2	2							4063.5
1962															16	56	75	32	25	44	13	14	12	11	11	5	5	8	11	7	8	2	9	1	10377.6
1963							2	2	2	7	1	2	2	7	24	20	41	28	70	34	19	56	22	8	4	2	3	4	4	1						5898.9
1964													12	3	52	11	104	36	68	9	7	25	12	7	4	8	3	3	2						4908.7
1965														6	58	50	20	62	32	18	33	20	19	24	16	6	1								6644.9
1966														1		13	51	11	61	94	29	26	27	18	11	9	6	2	3	1	2				7176.2
1967																7	27	155	61	33	60	13	7	2											5675.5
1968																16	42	92	47	23	37	33	24	7	15	26	4								8173.3
1969																	17	87	72	51	18	25	5	6	6	23	16	9	7	19	4				12282.6
1970																7	17	59	102	46	37	23	21	8	3	21	7	7	5	2					9124.5

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	0.101E+02	0.105E+02	0.123E+02	0.130E+02	0.295E+02	0.285E+02	0.482E+02	0.685E+02	0.274E+02	0.107E+02	0.121E+02	0.120E+02
1959	0.127E+02	0.121E+02	0.107E+02	0.118E+02	0.121E+02	0.204E+02	0.208E+02	0.145E+02	0.661E+01	0.426E+01	0.861E+01	0.519E+01
1960	0.817E+01	0.883E+01	0.893E+01	0.991E+01	0.116E+02	0.263E+02	0.298E+02	0.173E+02	0.646E+01	0.335E+01	0.168E+01	0.353E+01
1961	0.895E+01	0.918E+01	0.848E+01	0.548E+01	0.104E+02	0.194E+02	0.320E+02	0.159E+02	0.480E+01	0.131E+01	0.789E+01	0.101E+02
1962	0.126E+02	0.767E+01	0.852E+01	0.829E+01	0.103E+02	0.460E+02	0.132E+03	0.582E+02	0.262E+02	0.145E+02	0.676E+01	0.101E+02
1963	0.138E+02	0.116E+02	0.745E+01	0.865E+01	0.208E+02	0.391E+02	0.298E+02	0.169E+02	0.106E+02	0.386E+01	0.174E+02	0.145E+02
1964	0.119E+02	0.113E+02	0.900E+01	0.832E+01	0.800E+01	0.139E+02	0.426E+02	0.252E+02	0.102E+02	0.501E+01	0.925E+01	0.638E+01
1965	0.731E+01	0.751E+01	0.915E+01	0.109E+02	0.889E+01	0.166E+02	0.302E+02	0.435E+02	0.243E+02	0.264E+02	0.209E+02	0.121E+02
1966	0.146E+02	0.168E+02	0.146E+02	0.130E+02	0.177E+02	0.599E+02	0.333E+02	0.244E+02	0.141E+02	0.966E+01	0.915E+01	0.843E+01
1967	0.119E+02	0.115E+02	0.127E+02	0.125E+02	0.130E+02	0.201E+02	0.226E+02	0.164E+02	0.217E+02	0.148E+02	0.162E+02	0.131E+02
1968	0.120E+02	0.154E+02	0.102E+02	0.103E+02	0.131E+02	0.242E+02	0.286E+02	0.593E+02	0.447E+02	0.165E+02	0.203E+02	0.132E+02
1969	0.151E+02	0.110E+02	0.116E+02	0.134E+02	0.141E+02	0.169E+02	0.846E+02	0.117E+03	0.576E+02	0.256E+02	0.192E+02	0.172E+02
1970	0.205E+02	0.175E+02	0.151E+02	0.145E+02	0.158E+02	0.272E+02	0.616E+02	0.663E+02	0.174E+02	0.148E+02	0.157E+02	0.130E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1228E+02	0.1160E+02	0.1067E+02	0.1077E+02	0.1426E+02	0.2757E+02	0.4588E+02	0.4179E+02	0.2093E+02	0.1160E+02	0.1270E+02	0.1069E+02
0.1181E+02	0.1029E+02	0.5888E+01	0.6687E+01	0.3366E+02	0.1773E+03	0.9847E+03	0.9494E+03	0.2454E+03	0.6705E+02	0.3592E+02	0.1537E+02
0.3437E+01	0.3208E+01	0.2427E+01	0.2586E+01	0.5802E+01	0.1331E+02	0.3138E+02	0.3081E+02	0.1566E+02	0.8189E+01	0.5993E+01	0.3920E+01
0.8871E+00	0.6848E+00	0.6429E+00	-0.5109E+00	0.1684E+01	0.1465E+01	0.2097E+01	0.1259E+01	0.1288E+01	0.6102E+00	-0.1733E+00	-0.4021E+00
0.2800E+00	0.2765E+00	0.2275E+00	0.2402E+00	0.4069E+00	0.4830E+00	0.6840E+00	0.7373E+00	0.7484E+00	0.7060E+00	0.4721E+00	0.3667E+00
0.5320E+01	0.5028E+01	0.4623E+01	0.4667E+01	0.6180E+01	0.1195E+02	0.1988E+02	0.1811E+02	0.9072E+01	0.5027E+01	0.5503E+01	0.4634E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.749	0.614	*	*	*	*	*	*	*	*	*
*	1.000	0.717	0.530	*	*	*	*	*	*	*	*
*	*	1.000	0.851	0.367	*	*	*	*	*	*	*
*	*	*	1.000	0.429	0.077	*	*	*	*	*	*
*	*	*	*	1.000	0.363	-0.060	*	*	*	*	*
*	*	*	*	*	1.000	0.269	-0.113	*	*	*	*
*	*	*	*	*	*	1.000	0.616	0.415	*	*	*
*	*	*	*	*	*	*	1.000	0.871	0.723	*	*
*	*	*	*	*	*	*	*	1.000	0.803	0.631	*
*	*	*	*	*	*	*	*	*	1.000	0.708	0.638
*	*	*	*	*	*	*	*	*	*	1.000	0.837
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.637
SEPT-OCT 0.836
SEPT-NOV 0.714

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
0.243	-0.115	0.472	0.577	-0.233	-0.219	-0.093	0.299	0.349	0.186	0.260	0.225

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09308000 Willow Creek near Ouray, Utah

LOCATION.--Lat 39°56'30", long 109°39'00", in sec.22, T.10 S., R.20 E., on left bank 8 miles (13 km) upstream from mouth and 10 miles (16 km) south of Ouray.

DRAINAGE AREA.--890 sq mi (2,310 km^2), approximately.

GAGE.--Crest-stage gage. Altitude of gage is 4,830 ft (1,470 m) by barometer. July 1947 to September 1955 water-stage recorder at same site and datum.

EXTREMES.--Maximum discharge, 2,320 ft^3/s (65.7 m^3/s) Aug. 27, 1952 (gage height, 9.68 ft or 2.950 m), from rating curve extended above 240 ft^3/s (6.80 m^3/s) on basis of slope-area measurement at gage height, 4.27 ft (1.301 m) and logarithmic plotting; no flow at times.

REMARKS.--Diversions for irrigation above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1950	10.00	5	10.30	5	10.60	5	13.00	5	14.70	5	17.10	5	20.60	5	25.10	6	26.70	6	48.20	5
1951	4.70	4	5.03	4	5.59	4	5.78	4	7.72	4	12.50	4	15.30	4	16.70	4	20.30	4	34.80	4
1952	0.10	1	0.10	1	0.13	2	0.16	1	0.26	1	0.91	1	1.31	1	1.70	1	4.05	1	10.60	1
1953	14.00	6	14.30	6	16.10	6	20.00	6	20.00	6	20.50	6	21.30	6	22.60	5	24.50	5	55.30	6
1954	0.10	2	0.10	2	0.10	1	0.30	2	0.72	2	1.84	2	3.97	3	3.61	3	6.21	2	16.70	3
1955	0.30	3	0.30	3	0.36	3	0.49	3	1.05	3	2.95	3	3.03	2	3.59	2	6.70	3	15.10	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1949	260.0	2	186.0	2	140.0	2	130.0	2	125.0	2	109.0	2	97.6	2	86.5	2	67.5	2	39.6	2
1950	122.0	4	119.0	4	115.0	3	108.0	3	99.3	3	85.9	3	76.4	3	66.2	3	50.8	3	37.0	3
1951	59.0	7	53.0	7	51.1	6	46.7	6	45.2	6	40.7	6	34.0	7	29.8	6	29.7	4	17.7	5
1952	500.0	1	343.0	1	322.0	1	280.0	1	226.0	1	166.0	1	133.0	1	108.0	1	84.3	1	48.6	1
1953	74.0	6	64.3	6	46.9	7	45.6	7	45.0	7	40.3	7	34.9	6	31.3	5	28.6	5	18.7	4
1954	92.0	5	68.3	5	66.0	5	63.2	5	51.4	4	43.3	5	36.7	4	32.5	4	27.8	6	17.4	6
1955	167.0	3	120.0	3	95.7	4	63.8	4	47.7	5	46.4	4	36.3	5	29.7	7	23.7	7	14.8	7

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	13	2556	100.0	9	1.50	32	2265	88.6	18	14.0	180	1505	58.9	27	130	20	47	1.8
1	0.10	37	2543	99.5	10	1.90	34	2233	87.4	19	18.0	318	1325	51.8	28	170	8	27	1.0
2	0.20	31	2506	98.0	11	2.50	37	2199	86.0	20	23.0	281	1007	39.4	29	210	10	19	.7
3	0.30	41	2475	96.8	12	3.20	64	2162	84.6	21	30.0	175	726	28.4	30	270	7	9	.3
4	0.40	48	2434	95.2	13	4.10	32	2098	82.1	22	38.0	143	551	21.6	31	350	2	2	.0
5	0.60	13	2386	93.3	14	5.20	50	2066	80.8	23	48.0	114	368	14.4	32				
6	0.70	27	2373	92.8	15	6.70	46	2016	78.9	24	62.0	80	254	9.9	33				
7	0.90	48	2346	91.8	16	8.60	213	1970	77.1	25	79.0	59	174	6.8	34				
8	1.20	33	2298	89.9	17	11.00	252	1757	68.7	26	100.0	68	115	4.5					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

YEAR	NUMBER OF DAYS IN CLASS	FT^3/S DAYS
1949	4 2 4 94 57 6 34 21 8 21 31 16 24 35 5 2 1	14438.0
1950	2 11 10 18 19 35 47 40 35 55 30 30 20 13	13520.9
1951	9 14 11 8 3 5 10 18 11 9 10 9 7 9 4 8 5 42 42 49 32 35 15	6457.6
1952	2 3 8 8108 49 15 42 26 10 10 20 11 17 13 6 9 7 2	17779.7
1953	9 3 7 10 1 5 15 4 13 11 10 29 7 5 3 3 1 3 67 84 42 35 7 1	6842.9
1954	10 16 6 9 9 8 6 7 8 19 9 19 11 15 15 15 95 30 27 9 10 10 2	6342.7
1955	13 19 14 13 14 3 8 14 3 2 7 9 5 3 1 6 67 47 30 18 15 15 18 11 3 2 3 2	5395.1

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	0.117E+02	0.114E+02	0.358E+01	0.435E+01	0.741E+01	0.343E+02	0.120E+03	0.512E+02	0.155E+02	0.988E+01	0.103E+01	0.937E+00
1949	0.919E+01	0.111E+02	0.100E+02	0.900E+01	0.104E+02	0.359E+02	0.619E+02	0.115E+03	0.949E+02	0.599E+02	0.320E+02	0.234E+02
1950	0.375E+02	0.392E+02	0.201E+02	0.174E+02	0.246E+02	0.507E+02	0.907E+02	0.804E+02	0.343E+02	0.239E+02	0.879E+01	0.166E+02
1951	0.215E+02	0.305E+02	0.277E+02	0.169E+02	0.232E+02	0.425E+02	0.357E+02	0.753E+01	0.314E+01	0.265E+00	0.222E+01	0.160E+01
1952	0.101E+02	0.130E+02	0.130E+02	0.118E+02	0.120E+02	0.169E+02	0.924E+02	0.222E+03	0.775E+02	0.335E+02	0.498E+02	0.289E+02
1953	0.273E+02	0.266E+02	0.210E+02	0.200E+02	0.235E+02	0.375E+02	0.425E+02	0.123E+02	0.303E+01	0.290E+01	0.667E+01	0.213E+01
1954	0.133E+02	0.169E+02	0.202E+02	0.200E+02	0.241E+02	0.372E+02	0.480E+02	0.905E+01	0.337E+01	0.445E+01	0.185E+01	0.112E+02
1955	0.117E+02	0.151E+02	0.110E+02	0.100E+02	0.104E+02	0.449E+02	0.440E+02	0.141E+02	0.513E+00	0.935E-01	0.141E+02	0.104E+01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09308000 Willow Creek near Ouray, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY POWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1780E+02	0.2049E+02	0.1581E+02	0.1369E+02	0.1696E+02	0.3748E+02	0.6684E+02	0.6401E+02	0.2903E+02	0.1686E+02	0.1456E+02	0.1071E+02
0.1029E+03	0.1082E+03	0.5998E+02	0.3291E+02	0.5621E+02	0.9861E+02	0.9228E+03	0.5634E+04	0.1388E+04	0.4474E+03	0.3059E+03	0.1243E+03
0.1015E+02	0.1040E+02	0.7745E+01	0.5737E+01	0.7497E+01	0.9930E+01	0.3038E+02	0.7506E+02	0.3726E+02	0.2115E+02	0.1749E+02	0.1115E+02
0.1271E+01	0.9556E+00	-0.7829E-01	-0.3881E+00	-0.9699E-01	-0.1140E+01	0.7680E+00	0.1568E+01	0.1187E+01	0.1414E+01	0.1500E+01	0.6871E+00
0.5699E+00	0.5076E+00	0.4897E+00	0.4191E+00	0.4420E+00	0.2650E+00	0.4545E+00	0.1173E+01	0.1284E+01	0.1254E+01	0.1202E+01	0.1041E+01
0.5491E+01	0.6319E+01	0.4877E+01	0.4222E+01	0.5231E+01	0.1156E+02	0.2061E+02	0.1974E+02	0.8953E+01	0.5201E+01	0.4489E+01	0.3302E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.958	0.609	*	*	*	*	*	*	*	*	*
*	1.000	0.760	0.672	*	*	*	*	*	*	*	*
*	*	1.000	0.898	0.917	*	*	*	*	*	*	*
*	*	*	1.000	0.959	0.283	*	*	*	*	*	*
*	*	*	*	1.000	0.433	-0.473	*	*	*	*	*
*	*	*	*	*	1.000	-0.328	-0.711	*	*	*	*
*	*	*	*	*	*	1.000	0.545	0.366	*	*	*
*	*	*	*	*	*	*	1.000	0.865	0.740	*	*
*	*	*	*	*	*	*	*	1.000	0.972	0.850	*
*	*	*	*	*	*	*	*	*	1.000	0.723	0.839
*	*	*	*	*	*	*	*	*	*	1.000	0.835
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.813
SEPT-OCT 0.869
SEPT-NOV 0.819

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.244	-0.047	0.134	0.191	-0.038	-0.079	-0.338	-0.326	-0.203	-0.089	-0.429	-0.585

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09308500 Minnie Maud Creek near Myton, Utah

LOCATION.--Lat 39°48'10", long 110°35'00", in SW¼ sec.3, T.12 S., R.12 E., Carbon County, on left bank 40 miles (64 km) southwest of Myton.

DRAINAGE AREA.--30 sq mi (78 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 7,190 ft (2,192 m) by barometer.

EXTREMES.--Maximum discharge, 1,370 ft^3/s (38.8 m^3/s) Aug. 25, 1961 (gage height, 9.40 ft or 2.865 m), from rating curve extended above 110 ft^3/s (3.12 m^3/s) on basis of slope-area measurement of peak flow; no flow at times.

REMARKS.--No diversion above station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1952	0.20 11	0.20 10	0.20 10	0.23 9	0.27 9	0.28 7	0.29 7	0.30 7	0.43 5	1.75 6
1953	0.10 5	0.10 5	0.10 5	0.10 5	0.10 4	0.10 4	0.10 4	0.21 5	0.68 9	15.60 17
1954	0.10 6	0.10 6	0.10 6	0.10 6	0.10 5	0.29 8	0.41 9	0.44 9	0.52 6	1.40 4
1955	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.07 3	0.18 3	0.36 4	1.28 3
1959	0.70 14	0.70 14	0.70 14	0.70 13	0.70 13	0.72 13	0.75 13	0.80 12	0.89 11	9.44 12
1960	0.10 7	0.10 7	0.10 7	0.10 7	0.10 6	0.10 5	0.13 5	0.19 4	0.29 3	1.01 1
1961	0.10 8	0.10 8	0.10 8	0.10 8	0.13 7	0.18 6	0.24 6	0.30 6	0.69 10	1.65 5
1962	0.00 2	0.00 2	0.06 4	0.08 4	0.23 8	0.30 9	0.33 8	0.41 8	0.62 7	1.10 2
1963	0.20 9	0.20 9	0.20 9	0.26 11	0.36 11	0.52 12	0.72 12	0.83 13	1.09 13	10.20 13
1964	0.00 3	0.00 3	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.05 2	0.27 2	1.84 7
1965	0.00 4	0.00 4	0.00 3	0.00 3	0.00 3	0.01 3	0.03 2	0.03 1	0.10 1	1.85 8
1966	0.60 13	0.63 13	0.69 13	0.79 14	0.90 14	1.03 14	1.10 14	1.28 14	1.72 15	11.10 14
1967	0.40 12	0.40 12	0.40 12	0.40 12	0.43 12	0.49 11	0.57 11	0.69 11	0.91 12	4.82 11
1968	1.00 15	1.00 15	1.00 15	1.00 15	1.00 15	1.14 15	1.28 15	1.39 15	1.61 14	4.75 10
1969	1.40 16	1.43 16	1.47 16	1.49 16	1.54 16	1.60 16	1.68 16	1.74 16	2.00 16	11.20 16
1970	1.40 17	1.43 17	1.47 17	1.49 17	1.58 17	1.61 17	1.68 17	1.81 17	2.15 17	11.10 15
1971	0.20 10	0.21 11	0.22 11	0.25 10	0.28 10	0.35 10	0.46 10	0.53 10	0.65 8	1.93 9

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1951	9.0 16	9.0 16	9.0 15	8.3 14	7.0 14	5.7 14	5.1 13	4.4 13	3.4 13	2.3 10
1952	215.0 1	170.0 1	149.0 1	139.0 1	116.0 1	80.3 1	58.0 1	45.0 1	30.4 1	15.4 1
1953	3.7 19	3.5 19	3.5 18	3.3 18	3.0 18	3.0 17	2.7 17	2.4 17	1.9 17	1.3 17
1954	6.2 17	5.7 17	5.7 17	5.4 16	5.2 16	4.6 16	4.0 16	3.5 16	2.6 16	1.5 16
1955	16.0 12	15.3 11	14.0 10	12.4 10	10.6 10	7.7 10	5.8 11	4.7 11	3.4 14	1.9 13
1958	109.0 4	104.0 4	86.6 4	83.6 4	73.9 3	48.1 3	34.4 6	26.6 6	18.0 6	9.6 6
1959	3.9 18	3.5 18	3.3 19	3.1 19	3.0 17	2.8 18	2.3 18	1.9 18	1.5 18	1.1 18
1960	13.0 13	12.3 14	11.4 13	9.1 13	6.9 15	5.6 15	4.9 15	4.1 15	2.9 15	1.6 15
1961	29.0 8	15.0 12	7.0 16	3.8 17	2.5 19	1.9 19	1.6 19	1.4 19	1.4 19	1.1 19
1962	128.0 3	118.0 3	105.0 3	91.5 2	81.9 2	51.3 2	36.6 2	28.4 5	19.3 5	10.0 5
1963	31.0 7	15.4 10	11.6 11	10.5 11	8.2 12	5.9 12	5.1 12	4.2 14	3.5 12	2.2 11
1964	27.0 9	26.0 7	23.7 7	19.3 8	13.6 9	8.3 9	6.5 9	5.2 9	3.7 9	1.9 14
1965	139.0 2	129.0 2	107.0 2	87.0 3	68.3 4	47.6 4	36.2 3	29.1 2	20.3 3	10.3 4
1966	26.0 10	25.0 8	22.9 8	22.1 7	20.1 7	17.5 7	14.2 7	11.7 7	8.7 7	5.2 7
1967	18.0 11	17.0 9	16.6 9	15.1 9	13.8 8	12.2 8	11.1 8	9.8 8	7.7 8	4.3 8
1968	78.0 5	75.0 5	68.9 5	65.7 5	58.6 5	45.4 6	36.0 4	29.0 3	20.5 2	11.1 2
1969	67.0 6	65.3 6	64.1 6	63.3 6	58.4 6	46.1 5	35.7 5	28.6 4	20.0 4	11.0 3
1970	9.8 15	9.6 15	9.0 14	8.2 15	7.4 13	5.8 13	5.0 14	4.6 12	3.6 10	2.6 9
1971	13.0 14	12.3 13	11.6 12	10.3 12	9.0 11	7.1 11	6.0 10	5.0 10	3.6 11	2.1 12

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

		DAYS				DAYS				DAYS				DAYS			
CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT	CLASS	FT^3/S	TOTAL	ACCUM	PERCT
0	0.00	260	6939	100.0	9	1.20	483	3761	54.2	18	9.3	116	704	10.1	27	72	33	78	1.1
1	0.10	258	6679	96.3	10	1.50	529	3278	47.2	19	12.0	96	588	8.5	28	90	25	45	.6
2	0.20	224	6421	92.5	11	1.90	415	2749	39.6	20	15.0	78	492	7.1	29	110	12	20	.2
3	0.30	315	6197	89.3	12	2.40	367	2334	33.6	21	18.0	90	414	6.0	30	140	7	8	.1
4	0.40	292	5882	84.8	13	3.00	420	1967	28.3	22	23.0	52	324	4.7	31	180	1	1	.0
5	0.50	322	5590	80.6	14	3.80	284	1547	22.3	23	29.0	41	272	3.9	32				
6	0.60	480	5268	75.9	15	4.70	242	1263	18.2	24	36.0	44	231	3.3	33				
7	0.80	465	4788	69.0	16	5.90	157	1021	14.7	25	46.0	47	187	2.7	34				
8	1.00	562	4323	62.3	17	7.40	160	864	12.5	26	57.0	62	140	2.0					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09308500 Minnie Maud Creek near Myton, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT³/S DAYS
1951				6	8	3		19	13	62	55	46	37	14	29	31	20	9	13																842.2
1952			10	11	8	6	21	23	3	19			10	4	13	17	14	15	10	5	6	4	10	5	4	6	4	13	4	8	6	7	1			5649.3
1953		100			4	11	16	6	10	57	34	13	39	21	54																					460.4
1954			31	10	30	6	68	28	26	33	12	15	7	25	26	17	30	1																		565.1
1955		59	5	34	6	26	27	43	20	24	11	30	6	7	12	12	7	8	7	9	10	2														677.3
1958					1	1	1		46	55	73	55	19	7	11	9	9	5	7	5	4	6	8	7	3	6	3	6	12	6						3489.0
1959					11	14	52	63	90	45	21	4	12	32	20	1																				411.9
1960			69	41	29	41	31	11	6	12	10	11	18	10	17	26	14	9	4	4	3															583.8
1961		3	32	34	23	48	22	31	35	49	20	32	27			1	1	1	1			3	1		1											398.9
1962				21	20	49	14	26	34	30	9	15	8	23	10	6	15	9	10	3	6	10	7	2	5	4	2	6	11	7	3					3660.5
1963				10	2	18	1	40	29	63	59	22	22	9	26	27	9	8	5	9	5				1											819.1
1964		106		4	17	14	34	46	36	1	8	12	15	8	19	12	7	2	4	7	1	4	5	4												711.0
1965		92	21	45	8				16			4	13	20	9	25	5	21	9	9	7	11	8	7	8	12	6	2	4	3						3750.1
1966								8	13	33	51	17	44	55	28	15	10	15	8	12	13	11	23	9												1888.9
1967						22	22	34	24	10	47	8	17	3	28	35	14	17	18	32	16	17	1													1586.2
1968									31	34	73	15	36	19	13	17	21	10	5	12	6	18	9	6	9	16	12	4							4062.4
1969										2	84	56	53	26	18	7	19	12	5	7	8	6	8	14	11	10	19								4015.8
1970								1	32	21	6	20	86	51	40	49	21	12	6	17	3															942.0
1971				9	38	33	12	70	59	16	17	6	8	7	13	14	31	7	13	8	4															763.6

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	0.195E+01	0.165E+01	0.125E+01	0.981E+00	0.914E+00	0.245E+01	0.439E+01	0.643E+01	0.410E+01	0.151E+01	0.151E+01	0.470E+00
1952	0.535E+00	0.850E+00	0.332E+00	0.268E+00	0.300E+00	0.300E+00	0.377E+02	0.101E+03	0.273E+02	0.834E+01	0.473E+01	0.319E+01
1953	0.211E+01	0.533E+00	0.100E+00	0.100E+00	0.100E+00	0.100E+01	0.302E+01	0.301E+01	0.203E+01	0.137E+01	0.117E+01	0.503E+00
1954	0.439E+00	0.673E+00	0.568E+00	0.100E+00	0.821E+00	0.308E+01	0.515E+01	0.355E+01	0.194E+01	0.106E+01	0.506E+00	0.690E+00
1955	0.697E+00	0.551E+00	0.281E+00	0.0	0.0	0.919E+00	0.587E+01	0.915E+01	0.224E+01	0.104E+01	0.987E+00	0.407E+00
1958	0.134E+01	0.125E+01	0.120E+01	0.929E+00	0.800E+00	0.118E+01	0.127E+02	0.728E+02	0.144E+02	0.387E+01	0.170E+01	0.138E+01
1959	0.110E+01	0.100E+01	0.932E+00	0.800E+00	0.700E+00	0.745E+00	0.263E+01	0.288E+01	0.118E+01	0.539E+00	0.506E+00	0.503E+00
1960	0.474E+00	0.350E+00	0.200E+00	0.100E+00	0.100E+00	0.266E+01	0.441E+01	0.675E+01	0.212E+01	0.865E+00	0.355E+00	0.690E+00
1961	0.217E+01	0.713E+00	0.400E+00	0.229E+00	0.146E+00	0.839E+00	0.197E+01	0.146E+01	0.997E+00	0.419E+00	0.211E+01	0.160E+01
1962	0.784E+00	0.473E+00	0.403E+00	0.265E+00	0.571E+00	0.218E+01	0.589E+02	0.421E+02	0.766E+01	0.305E+01	0.145E+01	0.255E+01
1963	0.129E+01	0.116E+01	0.648E+00	0.406E+00	0.118E+01	0.230E+01	0.344E+01	0.805E+01	0.266E+01	0.101E+01	0.355E+01	0.111E+01
1964	0.606E+00	0.620E+00	0.0	0.0	0.0	0.935E+00	0.238E+01	0.123E+02	0.401E+01	0.942E+00	0.977E+00	0.363E+00
1965	0.216E+00	0.600E-01	0.258E-01	0.387E-01	0.357E-01	0.581E+00	0.128E+02	0.568E+02	0.341E+02	0.104E+02	0.461E+01	0.299E+01
1966	0.260E+01	0.245E+01	0.134E+01	0.114E+01	0.979E+00	0.222E+01	0.197E+02	0.152E+02	0.723E+01	0.387E+01	0.324E+01	0.211E+01
1967	0.137E+01	0.114E+01	0.535E+00	0.513E+00	0.671E+00	0.218E+01	0.801E+01	0.120E+02	0.121E+02	0.595E+01	0.476E+01	0.275E+01
1968	0.179E+01	0.167E+01	0.150E+01	0.110E+01	0.138E+01	0.391E+01	0.190E+02	0.543E+02	0.333E+02	0.729E+01	0.499E+01	0.274E+01
1969	0.268E+01	0.220E+01	0.155E+01	0.165E+01	0.189E+01	0.203E+01	0.349E+02	0.537E+02	0.166E+02	0.721E+01	0.429E+01	0.295E+01
1970	0.249E+01	0.193E+01	0.161E+01	0.167E+01	0.227E+01	0.312E+01	0.379E+01	0.726E+01	0.370E+01	0.142E+01	0.873E+00	0.805E+00
1971	0.763E+00	0.560E+00	0.290E+00	0.659E+00	0.876E+00	0.212E+01	0.470E+01	0.893E+01	0.369E+01	0.947E+00	0.773E+00	0.719E+00

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1338E+01	0.1045E+01	0.6927E+00	0.5761E+00	0.7229E+00	0.1829E+01	0.1291E+02	0.2512E+02	0.9549E+01	0.3213E+01	0.2268E+01	0.1501E+01
0.6500E+00	0.4392E+00	0.3032E+00	0.2928E+00	0.4094E+00	0.1010E+01	0.2358E+03	0.8436E+03	0.1176E+03	0.9598E+01	0.2888E+01	0.1104E+01
0.8062E+00	0.6627E+00	0.5507E+00	0.5411E+00	0.6398E+00	0.1005E+01	0.1536E+02	0.2904E+02	0.1084E+02	0.3098E+01	0.1699E+01	0.1051E+01
0.3576E+00	0.7418E+00	0.4897E+00	0.7988E+00	0.9181E+00	0.2549E+00	0.1964E+01	0.1371E+01	0.1482E+01	0.1100E+01	0.5570E+00	0.4601E+00
0.6027E+00	0.6343E+00	0.7950E+00	0.9392E+00	0.8851E+00	0.5496E+00	0.1189E+01	0.1156E+01	0.1136E+01	0.9643E+00	0.7493E+00	0.7000E+00
0.2201E+01	0.1719E+01	0.1140E+01	0.9481E+00	0.1190E+01	0.3010E+01	0.2125E+02	0.4134E+02	0.1571E+02	0.5287E+01	0.3732E+01	0.2470E+01

09308500 **Minnie Maud Creek near Myton, Utah--Continued**

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.806	0.714	*	*	*	*	*	*	*	*	*
*	1.000	0.914	0.888	*	*	*	*	*	*	*	*
*	*	1.000	0.937	0.862	*	*	*	*	*	*	*
*	*	*	1.000	0.899	0.455	*	*	*	*	*	*
*	*	*	*	1.000	0.646	0.129	*	*	*	*	*
*	*	*	*	*	1.000	0.005	-0.229	*	*	*	*
*	*	*	*	*	*	1.000	0.665	0.440	*	*	*
*	*	*	*	*	*	*	1.000	0.823	0.796	*	*
*	*	*	*	*	*	*	*	1.000	0.945	0.795	*
*	*	*	*	*	*	*	*	*	1.000	0.858	0.891
*	*	*	*	*	*	*	*	*	*	1.000	0.871
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV) AND (SEPT,AUG) OF SAME CAL YEAR

AUG -OCT 0.687
SEPT-OCT 0.777
SEPT-NOV 0.684

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.104	0.151	0.216	0.480	0.428	-0.020	-0.249	-0.275	0.009	0.121	0.309	0.115

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09309000 Minnie Maud Creek at Nutter Ranch, near Myton, Utah

LOCATION.--Lat 39°48'45", long 110°15'00", in SE¼ sec.32, T.11 S., R.15 E., on left bank three-quarters of a mile upstream from Gate Canyon, 18 miles (29 km) north of Sunnyside, 22 miles (35 km) upstream from mouth, and 29 miles (47 km) south of Myton.

DRAINAGE AREA.--231 sq mi (598 km).

GAGE.--Crest-stage gage. Altitude of gage is 5,760 ft (1,756 m) by barometer. July 1947 to September 1955, water-stage recorder at same site and datum.

EXTREMES.--Maximum discharge, 1,370 ft^3/s (38.8 m^3/s) Aug. 25, 1955; minimum discharge, no flow at times.

REMARKS.--Some diversions above station for irrigation above and below station.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1 MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1950	5.60	5	5.80	5	6.86	5	7.92	6	11.00	6	11.20	6	12.00	6	13.00	6	14.20	6	38.30	5
1951	3.40	4	3.80	4	4.01	4	4.29	4	5.53	4	9.06	5	10.10	5	10.70	5	11.10	4	29.20	4
1952	0.00	1	0.00	1	0.19	3	0.33	3	0.45	2	0.98	2	2.72	3	2.42	3	3.58	2	5.02	1
1953	7.00	6	7.00	6	7.00	6	7.00	5	7.07	5	7.53	4	7.69	4	8.17	4	11.10	5	58.70	6
1954	0.00	2	0.00	2	0.14	2	0.29	2	0.63	3	1.33	3	1.66	2	2.40	2	2.77	1	6.31	3
1955	0.00	3	0.00	3	0.10	1	0.10	1	0.18	1	0.33	1	0.55	1	0.97	1	3.65	3	5.50	2

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1949	245.0	2	242.0	2	216.0	2	174.0	2	156.0	2	128.0	2	106.0	2	86.9	2	61.8	2	35.4	2
1950	170.0	3	160.0	3	141.0	3	120.0	3	107.0	3	96.4	3	74.0	3	64.8	3	48.8	3	30.8	3
1951	24.0	7	23.0	7	22.7	7	19.7	7	15.8	7	15.0	6	13.8	5	12.6	4	12.2	4	8.4	4
1952	580.0	1	540.0	1	500.0	1	447.0	1	374.0	1	265.0	1	192.0	1	149.0	1	106.0	1	55.8	1
1953	43.0	6	37.0	6	34.7	4	27.2	4	20.2	5	16.2	5	13.2	6	11.9	5	11.4	5	8.1	5
1954	93.0	5	52.7	4	29.6	5	22.3	5	16.5	6	13.3	7	11.2	7	9.7	7	9.2	6	6.0	7
1955	109.0	4	40.7	5	24.0	6	21.3	6	21.1	4	18.1	4	14.2	4	11.6	6	9.2	7	6.8	6

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	ACCUM	PERCT
0	0.00	38	2556	100.0	9	1.30	45	2202	86.2	18	14.0	239	820	32.1	27	140	22	70	2.7
1	0.10	46	2518	98.5	10	1.70	46	2157	84.4	19	18.0	168	581	22.7	28	180	15	48	1.8
2	0.20	46	2472	96.7	11	2.20	63	2111	82.6	20	23.0	91	413	16.2	29	240	12	33	1.2
3	0.30	11	2426	94.9	12	2.90	48	2048	80.1	21	30.0	64	322	12.6	30	310	9	21	.8
4	0.40	16	2415	94.5	13	3.80	174	2000	78.2	22	39.0	33	258	10.1	31	400	9	12	.4
5	0.50	31	2399	93.9	14	4.90	142	1826	71.4	23	50.0	36	225	8.8	32	520	3	3	.1
6	0.60	32	2368	92.6	15	6.30	370	1684	65.9	24	65.0	34	189	7.4	33				
7	0.80	22	2336	91.4	16	8.20	273	1314	51.4	25	85.0	44	155	6.1	34				
8	1.00	112	2314	90.5	17	11.00	221	1041	40.7	26	110.0	41	111	4.3					

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	FT^3/S DAYS
YEAR													NUMBER OF DAYS IN CLASS																							
1949													8	116	51	25	40	14	8	13	8	7	16	16	24	13	4	2								12903.1
1950												2	13	8	8	8	83	69	52	25	20	9	13	16	23	13	3									11232.5
1951	2	2	6	7	11	8	10	12	20	12	3	18	7	7	3	12	75	77	61	7	5															3077.5
1952	3						1		3	9	3	2		12	95	43	12	2	12	32	32	19	14	15	2	3	4	6	11	10	9	9	3			20416.2
1953	5	3	4	1	2	19	7	2	53	7	13	20	6	3	3	97	27	14	35	30	4	9	1													2954.5
1954	13	35	32	3	2	2	11	4	6	5	8	13	18	44	9	59	60	15	6	10	5	3	1			1										2184.3
1955	15	6	4		1	2	3	4	30	12	19	10	15	95	16	35	40	5	16	23	12			1		1											2497.7

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	0.798E+01	0.761E+01	0.500E+01	0.703E+01	0.104E+02	0.190E+02	0.371E+02	0.317E+02	0.645E+01	0.308E+01	0.581E+01	0.483E+01
1949	0.899E+01	0.826E+01	0.750E+01	0.720E+01	0.814E+01	0.167E+02	0.913E+02	0.149E+03	0.724E+02	0.259E+02	0.123E+02	0.149E+02
1950	0.186E+02	0.159E+02	0.130E+02	0.110E+02	0.120E+02	0.211E+02	0.830E+02	0.100E+03	0.343E+02	0.389E+02	0.101E+02	0.991E+01
1951	0.155E+02	0.144E+02	0.112E+02	0.900E+01	0.106E+02	0.125E+02	0.496E+01	0.100E+02	0.466E+01	0.623E+00	0.405E+01	0.373E+01
1952	0.281E+01	0.698E+01	0.566E+01	0.468E+01	0.500E+01	0.710E+01	0.113E+03	0.352E+03	0.917E+02	0.286E+02	0.262E+02	0.225E+02
1953	0.187E+02	0.115E+02	0.800E+01	0.800E+01	0.700E+01	0.125E+02	0.195E+02	0.230E+01	0.109E+01	0.259E+01	0.515E+01	0.667E+00
1954	0.524E+01	0.937E+01	0.707E+01	0.470E+01	0.847E+01	0.994E+01	0.145E+02	0.175E+01	0.157E+01	0.197E+00	0.774E+00	0.885E+01
1955	0.105E+02	0.722E+01	0.427E+01	0.400E+01	0.400E+01	0.857E+01	0.191E+02	0.143E+02	0.234E+01	0.303E+00	0.572E+01	0.162E+01

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09309000 Minnie Maud Creek at Nutter Ranch, near Myton, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.1105E+02	0.1015E+02	0.7704E+01	0.6951E+01	0.8209E+01	0.1344E+02	0.4783E+02	0.8272E+02	0.2682E+02	0.1253E+02	0.8754E+01	0.8376E+01
0.3597E+02	0.1170E+02	0.9063E+01	0.5815E+01	0.7829E+01	0.2561E+02	0.1730E+04	0.1469E+05	0.1307E+04	0.2522E+03	0.6199E+02	0.5491E+02
0.5997E+01	0.3421E+01	0.3010E+01	0.2411E+01	0.2798E+01	0.5061E+01	0.4159E+02	0.1212E+03	0.3616E+02	0.1588E+02	0.7873E+01	0.7410E+01
0.1611E+00	0.8889E+00	0.8253E+00	0.3704E+00	-0.2503E+00	0.3661E+00	0.6417E+00	0.1918E+01	0.1214E+01	0.8421E+00	0.1798E+01	0.1031E+01
0.5429E+00	0.3370E+00	0.3907E+00	0.3469E+00	0.3409E+00	0.3765E+00	0.8695E+00	0.1465E+01	0.1348E+01	0.1268E+01	0.8994E+00	0.8847E+00
0.4517E+01	0.4151E+01	0.3151E+01	0.2843E+01	0.3357E+01	0.5497E+01	0.1956E+02	0.3383E+02	0.1097E+02	0.5123E+01	0.3580E+01	0.3425E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.813	0.703	*	*	*	*	*	*	*	*	*
*	1.000	0.964	0.870	*	*	*	*	*	*	*	*
*	*	1.000	0.878	0.728	*	*	*	*	*	*	*
*	*	*	1.000	0.814	0.775	*	*	*	*	*	*
*	*	*	*	1.000	0.810	-0.072	*	*	*	*	*
*	*	*	*	*	1.000	0.178	-0.205	*	*	*	*
*	*	*	*	*	*	1.000	0.900	0.944	*	*	*
*	*	*	*	*	*	*	1.000	0.948	0.718	*	*
*	*	*	*	*	*	*	*	1.000	0.790	0.920	*
*	*	*	*	*	*	*	*	*	1.000	0.707	0.725
*	*	*	*	*	*	*	*	*	*	1.000	0.853
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.736
SEPT-OCT 0.889
SEPT-NOV 0.550

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.475	0.010	0.203	0.186	0.118	0.489	-0.281	-0.336	-0.311	-0.113	-0.248	-0.586

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09314500 Price River at Woodside, Utah

LOCATION.--Lat 39°15'50", long 110°20'45", in SW¼SE¼SE¼ sec.9, T.18 S., R.14 E., Emery County, on left downstream wingwall of old highway bridge, 200 ft (61 m) downstream from railroad bridge at Woodside, and 22 miles (35 km) upstream from mouth.

DRAINAGE AREA.--1,500 sq mi (3,880 km^2), approximately.

GAGE.--Water-stage recorder. Altitude of gage is 4,600 ft (1,400 m) by barometer. September 1909 to August 1911, reference point at site about 100 ft (30 m) upstream at different datum. Nov. 27, 1945, to Oct. 16, 1954, water-stage recorder at site 15 ft (4.6 m) downstream at datum 1.85 ft (0.564 m) higher.

EXTREMES.--Maximum discharge, 8,500 ft^3/s (241 m^3/s) Sept. 10, 1961 (gage height, 9.74 ft or 2.969 m), from rating curve extended above 6,300 ft^3/s (178 m^3/s); no flow for several days in 1960, 1961, and part of July 8, 1963.

REMARKS.--Diversions above station for irrigation of about 18,000 acres (72.8 km^2). Flow affected by storage in Scofield Reservoir, usable capacity 65,780 acre-ft (81.1 hm^3), since 1926.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1	3	7	14	30	60	90	120	183	ANNUAL
1948	16.00 9	18.00 11	20.70 10	23.60 11	25.20 11	27.60 10	34.30 11	36.20 9	40.60 6	69.30 6
1949	7.00 5	7.47 5	8.26 5	8.36 5	10.20 5	14.80 4	22.20 7	23.80 4	26.50 3	53.40 3
1950	22.00 15	22.00 12	23.30 12	26.70 14	27.70 13	28.20 11	33.50 10	38.60 10	57.80 15	123.00 16
1951	19.00 13	22.30 13	26.70 15	30.90 17	32.10 15	38.60 18	43.30 16	43.50 14	48.50 9	85.80 11
1952	16.00 10	17.00 9	21.00 11	23.50 10	24.80 10	28.90 12	35.80 12	40.10 13	50.70 10	90.40 13
1953	56.00 20	56.00 20	56.00 20	56.00 20	56.00 20	57.50 20	58.40 19	62.20 19	67.80 19	342.00 20
1954	35.00 19	35.00 19	35.00 19	35.00 18	36.00 18	38.30 17	46.40 18	52.80 18	59.50 16	78.90 10
1955	16.00 11	17.00 10	17.40 8	18.80 8	20.00 8	20.20 8	22.40 8	28.30 8	59.50 17	76.30 8
1956	8.70 6	9.27 6	9.97 6	10.50 6	14.90 6	18.10 5	21.10 4	25.00 6	30.20 5	44.40 2
1957	6.40 4	6.80 4	6.90 3	7.40 3	8.33 2	12.00 2	15.30 3	15.00 2	16.00 1	27.90 1
1962	0.00 1	0.00 1	0.00 1	0.00 1	1.20 1	3.11 1	5.20 1	7.35 1	48.10 8	77.10 9
1963	4.10 3	5.17 3	7.86 4	7.93 4	9.97 3	18.20 6	21.50 5	26.30 7	52.00 12	121.00 15
1964	0.10 2	0.33 2	0.84 2	1.65 2	10.10 4	13.10 3	14.60 2	16.80 3	19.60 2	55.90 5
1965	10.00 7	11.00 7	15.10 7	16.80 7	18.10 7	20.20 7	22.10 6	24.00 5	29.40 4	53.50 4
1966	22.00 14	27.30 16	31.00 18	39.50 19	45.30 19	51.80 19	65.80 20	71.10 20	77.80 20	168.00 18
1967	16.00 8	16.70 8	18.10 9	19.40 9	24.80 9	27.20 9	39.40 14	48.20 16	51.20 11	72.50 7
1968	26.00 17	28.00 17	28.90 16	30.40 15	32.80 17	34.70 15	38.30 13	39.40 11	45.50 7	102.00 14
1969	30.00 18	30.00 18	30.00 17	30.40 16	31.00 14	31.60 13	33.20 9	39.90 12	54.60 14	167.00 17
1970	25.00 16	25.00 14	25.00 13	26.10 13	32.20 16	38.00 16	44.00 17	50.90 17	60.00 18	203.00 19
1971	18.00 12	25.00 15	25.00 14	25.00 12	27.50 12	33.60 14	41.60 15	47.60 15	52.90 13	86.20 12

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1	3	7	15	30	60	90	120	183	ANNUAL
1947	3350.0 4	1280.0 6	621.0 12	402.0 11	248.0 13	144.0 16	112.0 17	110.0 15	99.2 14	70.6 18
1948	812.0 20	480.0 20	295.0 20	167.0 20	118.0 21	77.6 21	70.2 21	62.0 21	64.9 21	49.3 20
1949	1770.0 10	1280.0 7	669.0 10	365.0 13	334.0 10	280.0 8	272.0 6	235.0 7	190.0 6	116.0 6
1950	1020.0 18	711.0 17	414.0 17	272.0 17	225.0 14	178.0 14	164.0 11	150.0 9	135.0 9	93.6 9
1951	4220.0 3	1970.0 4	1000.0 3	520.0 9	323.0 11	200.0 11	165.0 10	146.0 10	118.0 10	83.0 12
1952	2460.0 8	2420.0 2	2300.0 1	1990.0 1	1800.0 1	1490.0 1	1120.0 1	890.0 1	628.0 1	341.0 1
1953	975.0 19	596.0 19	324.0 19	201.0 19	182.0 18	141.0 17	122.0 15	110.0 16	99.2 15	81.3 13
1954	1720.0 11	948.0 13	447.0 16	321.0 14	200.0 16	128.0 18	105.0 19	91.9 19	81.8 18	72.4 16
1955	1110.0 17	659.0 18	452.0 15	284.0 16	190.0 17	146.0 15	112.0 18	92.1 18	78.2 19	61.4 19
1956	219.0 22	150.0 22	104.0 22	86.2 22	61.6 22	52.8 22	45.5 22	45.6 22	42.2 22	34.0 22
1957	4310.0 2	2010.0 3	950.0 4	535.0 7	515.0 4	309.0 6	255.0 7	248.0 5	180.0 7	103.0 8
1961	4790.0 1	2530.0 1	1110.0 2	853.0 2	506.0 5	280.0 9	190.0 9	143.0 12	96.9 16	73.2 14
1962	2950.0 6	1800.0 5	848.0 7	523.0 8	478.0 6	364.0 5	276.0 5	237.0 6	191.0 5	123.0 5
1963	2460.0 7	1060.0 9	637.0 11	472.0 10	378.0 9	231.0 10	162.0 12	128.0 14	106.0 13	72.2 17
1964	1720.0 12	1040.0 11	489.0 14	320.0 15	179.0 19	110.0 20	104.0 20	88.6 20	72.5 20	45.8 21
1965	1280.0 16	780.0 14	684.0 9	561.0 6	468.0 7	393.0 4	354.0 3	314.0 3	241.0 3	138.0 4
1966	1710.0 13	747.0 15	412.0 18	234.0 18	204.0 15	180.0 13	153.0 14	130.0 13	112.0 12	92.0 10
1967	1380.0 14	731.0 16	702.0 8	590.0 5	425.0 8	307.0 7	243.0 8	211.0 8	159.0 8	106.0 7
1968	1340.0 15	1050.0 10	919.0 6	779.0 4	592.0 3	408.0 3	350.0 4	309.0 4	232.0 4	139.0 3
1969	2960.0 5	1140.0 8	933.0 5	806.0 3	733.0 2	624.0 2	560.0 2	480.0 2	386.0 2	224.0 2
1970	1790.0 9	964.0 12	582.0 13	383.0 12	267.0 12	183.0 12	156.0 13	144.0 11	117.0 11	88.1 11
1971	295.0 21	241.0 21	193.0 21	155.0 21	146.0 20	125.0 19	119.0 16	108.0 17	95.9 17	72.7 15

SUMMARY 3.--DURATION TABLE OF DAILY DISCHARGES INDICATING THE PERCENTAGE OF TIME THAT SELECTED DISCHARGES ARE EQUALED OR EXCEEDED FOR THE PERIOD SHOWN IN SUMMARY 4.

CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT	CLASS	FT^3/S	DAYS TOTAL	DAYS ACCUM	PERCT
0	0.00	36	8035	100.0	9	1.80	20	7980	99.3	18	33.0	1199	5566	69.3	27	610	79	200	2.4
1	0.10	3	7999	99.6	10	2.50	11	7960	99.1	19	46.0	1300	4367	54.3	28	840	45	121	1.5
2	0.20	2	7996	99.5	11	3.50	32	7949	98.9	20	63.0	1130	3067	38.2	29	1200	35	76	.9
3	0.30	1	7994	99.5	12	4.80	20	7917	98.5	21	88.0	610	1937	24.1	30	1600	21	41	.5
4	0.40	0	7993	99.5	13	6.60	96	7897	98.3	22	120.0	402	1327	16.5	31	2200	16	20	.2
5	0.50	3	7993	99.5	14	9.10	189	7801	97.1	23	170.0	252	925	11.5	32	3100	1	4	.0
6	0.70	3	7990	99.4	15	13.00	281	7612	94.7	24	230.0	209	673	8.4	33	4200	3	3	.0
7	1.00	2	7987	99.4	16	17.00	698	7331	91.2	25	320.0	145	464	5.8	34				
8	1.30	5	7985	99.4	17	24.00	1067	6633	82.6	26	440.0	119	319	4.0					

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09314500 Price River at Woodside, Utah--Continued

SUMMARY 4.--DISTRIBUTION OF DAILY DISCHARGES ACCORDING TO THE CLASS INTERVALS SHOWN IN SUMMARY 3 FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR	NUMBER OF DAYS IN CLASS																																		FT^3/S DAYS
1947													1	9	39	52	85	61	51	31	22	8	2	1	1		1					1			25777.0
1948													19	5	19	30	88	71	54	43	20	10	2	3	1		1								18034.9
1949														4	9	18	104	21	31	38	24	37	24	35	13	2		2	2	1					42398.0
1950															5	56	44	81	55	45	30	21	19	6	1	1	1								34150.0
1951																8	23	109	88	66	39	17	5	4	1	1	2	1				1			30288.0
1952															1	4	48	34	65	35	33	31	9	20	14	10	8	9	26	11	8				124910.0
1953																		10	140	154	46	6	3	1	1	1	1	2							29678.0
1954															1	21	24	92	111	60	31	10	4	4	1	3	2			1					26434.0
1955														1	31	13	75	59	57	36	35	22	16	7	4	3	4	1	1						22398.1
1956													1	18	20	15	71	94	80	38	17	10	1	1											12428.9
1957																60	65	18	54	59	31	14	17	22	9	4	1	3	5		2			1	37489.0
1961		36	2	2			2		1	2	14	9	24	8	28	32	16	70	65	14	7	4	8	2	5	2	2	2	1	2		1	3		1	26701.9
1962												1	2	15	36	44	57	36	35	18	24	20	8	13	12	19	18	2		2		3				45055.8
1963			1		1		1	3	1	3	6	2	7	4	12	31	39	63	64	49	30	8	6	2	10	3	6	6	2	2	1	1	1			26342.9
1964														5	3	29	49	83	66	71	18	12	8	14	1	2	1	1	1	1		1				16763.8
1965																3	65	24	50	51	28	30	20	23	27	17	14	10	1	2						50520.0
1966																3	21	32	38	72	89	28	41	26	8	2	4				1				33588.0
1967																	2	76	72	65	52	23	21	18	9	10	6	8	2	1					38595.0
1968																		18	87	65	75	31	15	14	16	19	10	9	6	1					50982.0
1969																		49	47	27	50	39	26	18	18	23	31	26	9		1	1			81883.0
1970																		18	36	93	111	64	20	10	7	1	3	1			1				32145.0
1971																	1	53	43	90	92	38	36	8	4										26526.0

SUMMARY 5.--MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND.

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.1111 E 01 IS 1.111.

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	0.517E+02	0.373E+02	0.414E+02	0.283E+02	0.496E+02	0.690E+02	0.741E+02	0.479E+02	0.431E+02	0.429E+02	0.949E+02	0.102E+02
1949	0.318E+02	0.272E+02	0.285E+02	0.282E+02	0.468E+02	0.163E+03	0.226E+03	0.213E+03	0.246E+03	0.212E+03	0.766E+02	0.926E+02
1950	0.951E+02	0.480E+02	0.356E+02	0.280E+02	0.103E+03	0.102E+03	0.223E+03	0.132E+03	0.717E+02	0.164E+03	0.522E+02	0.694E+02
1951	0.489E+02	0.513E+02	0.482E+02	0.335E+02	0.520E+02	0.817E+02	0.510E+02	0.842E+02	0.100E+03	0.700E+02	0.314E+03	0.547E+02
1952	0.906E+02	0.524E+02	0.301E+02	0.311E+02	0.481E+02	0.152E+03	0.646E+03	0.176E+04	0.888E+03	0.145E+03	0.151E+03	0.899E+02
1953	0.756E+02	0.710E+02	0.592E+02	0.560E+02	0.632E+02	0.853E+02	0.698E+02	0.755E+02	0.852E+02	0.101E+03	0.176E+03	0.550E+02
1954	0.874E+02	0.633E+02	0.367E+02	0.406E+02	0.785E+02	0.768E+02	0.599E+02	0.622E+02	0.529E+02	0.640E+02	0.503E+02	0.200E+03
1955	0.134E+03	0.486E+02	0.242E+02	0.200E+02	0.230E+02	0.174E+03	0.101E+03	0.530E+02	0.339E+02	0.255E+02	0.785E+02	0.158E+02
1956	0.221E+02	0.280E+02	0.440E+02	0.343E+02	0.388E+02	0.568E+02	0.387E+02	0.398E+02	0.256E+02	0.481E+02	0.221E+02	0.833E+01
1957	0.194E+02	0.186E+02	0.140E+02	0.167E+02	0.410E+02	0.436E+02	0.363E+02	0.197E+03	0.172E+03	0.104E+03	0.478E+03	0.826E+02
1961	0.190E+03	0.238E+02	0.196E+02	0.107E+02	0.226E+02	0.256E+02	0.150E+02	0.526E+01	0.151E+01	0.863E+01	0.996E+02	0.457E+03
1962	0.185E+02	0.262E+02	0.215E+02	0.152E+02	0.135E+03	0.134E+03	0.474E+03	0.198E+03	0.471E+02	0.162E+03	0.108E+02	0.251E+03
1963	0.958E+02	0.280E+02	0.234E+02	0.136E+02	0.457E+02	0.108E+03	0.257E+02	0.216E+02	0.255E+02	0.246E+02	0.251E+03	0.200E+03
1964	0.224E+02	0.232E+02	0.152E+02	0.113E+02	0.180E+02	0.310E+02	0.541E+02	0.942E+02	0.473E+02	0.315E+02	0.167E+03	0.320E+02
1965	0.183E+02	0.259E+02	0.257E+02	0.394E+02	0.526E+02	0.520E+02	0.162E+03	0.461E+03	0.309E+03	0.271E+03	0.137E+03	0.997E+02
1966	0.803E+02	0.908E+02	0.888E+02	0.546E+02	0.593E+02	0.188E+03	0.169E+03	0.882E+02	0.548E+02	0.618E+02	0.505E+02	0.117E+03
1967	0.387E+02	0.343E+02	0.101E+03	0.248E+02	0.534E+02	0.777E+02	0.610E+02	0.925E+02	0.425E+03	0.158E+03	0.964E+02	0.108E+03
1968	0.454E+02	0.388E+02	0.469E+02	0.330E+02	0.459E+02	0.718E+02	0.109E+03	0.299E+03	0.510E+03	0.105E+03	0.295E+03	0.712E+02
1969	0.951E+02	0.599E+02	0.316E+02	0.323E+02	0.360E+02	0.349E+03	0.535E+03	0.682E+03	0.324E+03	0.129E+03	0.214E+03	0.194E+03
1970	0.788E+02	0.634E+02	0.416E+02	0.354E+02	0.658E+02	0.756E+02	0.589E+02	0.781E+02	0.264E+03	0.987E+02	0.100E+03	0.987E+02
1971	0.586E+02	0.665E+02	0.457E+02	0.276E+02	0.554E+02	0.844E+02	0.939E+02	0.127E+03	0.117E+03	0.578E+02	0.841E+02	0.535E+02

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.6659E+02	0.4412E+02	0.3916E+02	0.2927E+02	0.5397E+02	0.1048E+03	0.1563E+03	0.2293E+03	0.1830E+03	0.9928E+02	0.1428E+03	0.1124E+03
0.1875E+04	0.3837E+03	0.4847E+03	0.1540E+03	0.7003E+03	0.5216E+04	0.3154E+05	0.1491E+06	0.4685E+05	0.4589E+04	0.1304E+05	0.1064E+05
0.4330E+02	0.1959E+02	0.2202E+02	0.1241E+02	0.2646E+02	0.7222E+02	0.1776E+03	0.3861E+03	0.2164E+03	0.6774E+02	0.1142E+03	0.1031E+03
0.1158E+01	0.6678E+00	0.1604E+01	0.4807E+00	0.1615E+01	0.2081E+01	0.1863E+01	0.3500E+01	0.2034E+01	0.8874E+00	0.1497E+01	0.2071E+01
0.6503E+00	0.4440E+00	0.5622E+00	0.4239E+00	0.4903E+00	0.6890E+00	0.1136E+01	0.1684E+01	0.1183E+01	0.6823E+00	0.7996E+00	0.9179E+00
0.5280E+01	0.3499E+01	0.3105E+01	0.2321E+01	0.4280E+01	0.8313E+01	0.1240E+02	0.1818E+02	0.1451E+02	0.7873E+01	0.1133E+02	0.8910E+01

09314500 Price River at Woodside, Utah--Continued

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.292	-0.094	*	*	*	*	*	*	*	*	*
*	1.000	0.532	0.741	*	*	*	*	*	*	*	*
*	*	1.000	0.580	0.112	*	*	*	*	*	*	*
*	*	*	1.000	0.177	0.195	*	*	*	*	*	*
*	*	*	*	1.000	0.036	0.315	*	*	*	*	*
*	*	*	*	*	1.000	0.681	0.374	*	*	*	*
*	*	*	*	*	*	1.000	0.804	0.571	*	*	*
*	*	*	*	*	*	*	1.000	0.845	0.388	*	*
*	*	*	*	*	*	*	*	1.000	0.492	0.209	*
*	*	*	*	*	*	*	*	*	1.000	-0.054	-0.080
*	*	*	*	*	*	*	*	*	*	1.000	-0.099
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT+NOV)AND (SEPT+AUG) OF SAME CAL YEAR
AUG -OCT 0.524
SEPT-OCT-0.005
SEPT-NOV-0.111

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.365	0.352	0.427	0.360	-0.202	-0.193	-0.271	-0.126	0.064	-0.245	-0.183	0.230

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09315000 Green River at Green River, Utah

LOCATION.--Lat 38°59'10", long 110°09'02", in NW¼NW¼SW¼ sec.15, T.21 S., R.16 E., Emery County, on right bank 100 ft (30 m) upstream from site of old highway bridge, 500 ft (150 m) upstream from railroad bridge, 1 mile (1.6 km) southeast of town of Green River, 22 miles (35 km) upstream from San Rafael River, at mile 117.4 (188.9 km) upstream from mouth.

DRAINAGE AREA.--40,600 sq mi (105,200 km^2), approximately.

GAGE.--Water-stage recorder. Datum of gage is 4,040.18 ft (1,231.447 m) above mean sea level. Prior to Nov. 6, 1914, staff, wire-weight, or chain gages at several sites within 7 miles (11 km) of present site at various datums. Nov. 6, 1914, to June 20, 1924, water-stage recorder at site 7 miles (11 km) downstream at different datum. June 21 to Sept 18, 1924, chain gage, and Sept. 19, 1924, to May 7, 1947, water-stage recorder, at site 100 ft (30 m) downstream at present datum.

EXTREMES.--Maximum discharge, 68,100 ft^3/s (1,930 m^3/s) June 27, 1917 (gage height, 14.53 ft or 4.429 m, site and datum then in use); minimum, 255 ft^3/s (7.22 m^3/s) Nov. 26, 1931; minimum gage height, 4.08 ft (1.244 m) Aug. 1, Dec. 5, 1934.

REMARKS.--Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir since Nov. 1, 1962.

SUMMARY 1.--LOWEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING, FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH CLIMATIC YEAR, APRIL 1-MARCH 31.

YEAR	1		3		7		14		30		60		90		120		183		ANNUAL	
1941	509.00	4	591.00	3	629.00	3	650.00	3	741.00	2	898.00	1	1240.00	2	1520.00	7	1580.00	3	3440.00	2
1942	720.00	6	798.00	5	932.00	5	1240.00	13	1720.00	15	2000.00	17	2180.00	17	2460.00	19	3130.00	24	6440.00	20
1943	1060.00	17	1160.00	19	1420.00	21	1460.00	18	1520.00	14	1630.00	13	1790.00	12	1830.00	11	1850.00	11	6350.00	18
1944	890.00	10	950.00	11	1040.00	9	1120.00	8	1320.00	11	1570.00	12	1700.00	11	1860.00	12	1910.00	12	5870.00	14
1945	1060.00	18	1120.00	18	1130.00	13	1140.00	9	1220.00	8	1520.00	10	1660.00	10	1630.00	9	1700.00	7	6070.00	17
1946	1000.00	14	1030.00	13	1170.00	14	1380.00	15	1790.00	18	1830.00	15	1940.00	13	2110.00	13	2300.00	14	5960.00	16
1947	1080.00	19	1100.00	16	1170.00	15	1360.00	14	1450.00	12	1750.00	14	2100.00	16	2280.00	15	2230.00	13	5110.00	8
1948	1130.00	21	1170.00	20	1380.00	19	1790.00	21	1990.00	21	2110.00	18	2270.00	19	2490.00	20	2650.00	21	7520.00	27
1949	1000.00	15	1030.00	14	1050.00	10	1050.00	6	1110.00	6	1300.00	7	1450.00	7	1490.00	5	1580.00	4	5280.00	9
1950	854.00	9	899.00	7	1120.00	12	1480.00	19	1780.00	16	2120.00	19	2320.00	20	2540.00	21	2540.00	18	7300.00	25
1951	1290.00	22	1330.00	22	1420.00	20	1450.00	17	1780.00	17	2150.00	21	2420.00	23	2430.00	18	2520.00	17	7340.00	26
1952	1090.00	20	1120.00	17	1360.00	18	1690.00	20	1960.00	20	2120.00	20	2230.00	18	2290.00	16	2550.00	19	6460.00	21
1953	1000.00	16	1020.00	12	1190.00	17	1440.00	16	1870.00	19	2000.00	16	2050.00	15	2120.00	14	2310.00	15	9370.00	29
1954	850.00	7	883.00	6	1100.00	11	1120.00	7	1210.00	7	1420.00	9	1650.00	9	1660.00	10	1810.00	10	4490.00	7
1955	980.00	13	1100.00	15	1170.00	16	1200.00	12	1250.00	10	1270.00	6	1370.00	6	1520.00	6	1770.00	9	3630.00	3
1956	914.00	12	922.00	9	935.00	6	958.00	5	1090.00	5	1190.00	5	1290.00	5	1450.00	4	1710.00	8	4070.00	6
1957	182.00	2	182.00	1	182.00	1	610.00	2	955.00	3	1150.00	3	1250.00	3	1270.00	2	1360.00	2	5600.00	13
1958	1600.00	25	1650.00	25	1760.00	22	1910.00	23	2060.00	22	2240.00	22	2330.00	21	2750.00	24	2960.00	23	8210.00	28
1959	910.00	11	917.00	8	961.00	7	1150.00	10	1470.00	13	1530.00	11	1570.00	8	1610.00	8	1660.00	6	5540.00	12
1962	850.00	8	933.00	10	1040.00	8	1150.00	11	1230.00	9	1360.00	8	1970.00	14	2360.00	17	2390.00	16	3970.00	5
1963	600.00	5	650.00	4	711.00	4	910.00	4	1010.00	4	1150.00	4	1260.00	4	1450.00	3	1600.00	5	6870.00	23
1964	418.00	3	427.00	2	451.00	2	520.00	1	645.00	1	939.00	2	1030.00	1	1060.00	1	1160.00	1	2250.00	1
1965	1290.00	23	1450.00	23	1930.00	24	2050.00	24	2170.00	24	2610.00	25	2800.00	25	2980.00	25	3460.00	25	5330.00	10
1966	1920.00	28	2040.00	28	2210.00	27	2520.00	26	2800.00	26	2910.00	26	3250.00	27	3510.00	27	3540.00	26	6890.00	24
1967	1450.00	24	1620.00	24	1960.00	25	2050.00	25	2220.00	25	2320.00	23	2420.00	22	2590.00	23	2590.00	20	3940.00	4
1968	4.00	1	1200.00	21	2060.00	26	2580.00	27	3170.00	28	3680.00	29	3610.00	29	3720.00	29	3800.00	28	5890.00	15
1969	1640.00	26	1800.00	27	2490.00	29	3050.00	29	3320.00	29	3540.00	28	3600.00	28	3650.00	28	4120.00	29	6700.00	22
1970	2180.00	29	2280.00	29	2330.00	28	2630.00	28	2960.00	27	3130.00	27	3130.00	26	3460.00	26	3670.00	27	6400.00	19
1971	1770.00	27	1790.00	26	1790.00	23	1830.00	22	2060.00	23	2370.00	24	2460.00	24	2570.00	22	2670.00	22	5450.00	11

SUMMARY 2.--HIGHEST MEAN DISCHARGE, IN CUBIC FEET PER SECOND, AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS FOR EACH WATER YEAR, OCTOBER 1-SEPTEMBER 30.

YEAR	1		3		7		15		30		60		90		120		183		ANNUAL	
1941	26800.0	17	26600.0	17	25600.0	16	24100.0	14	22700.0	11	19500.0	10	15000.0	12	12600.0	13	9560.0	15	5860.0	16
1942	32000.0	7	31200.0	8	29400.0	7	27300.0	8	24300.0	8	19000.0	12	17400.0	7	14800.0	7	10900.0	7	6890.0	7
1943	29300.0	12	28200.0	13	24200.0	17	20000.0	18	18200.0	20	15400.0	19	14400.0	16	12600.0	14	9780.0	13	5900.0	15
1944	27900.0	14	27500.0	14	26800.0	13	25700.0	11	23900.0	10	20900.0	8	16400.0	8	14400.0	8	10600.0	8	6170.0	12
1945	23000.0	19	22300.0	19	20900.0	20	18500.0	22	17500.0	22	16800.0	15	14600.0	14	12500.0	15	9520.0	16	5740.0	18
1946	18000.0	25	17900.0	24	17200.0	24	15600.0	24	14000.0	24	13200.0	23	11500.0	22	9810.0	22	7430.0	22	4790.0	22
1947	32600.0	6	32300.0	5	30800.0	5	27700.0	7	24800.0	7	23300.0	3	19100.0	6	16400.0	5	12700.0	4	7570.0	5
1948	27600.0	16	27200.0	15	26100.0	15	24800.0	13	22000.0	13	17300.0	13	14400.0	15	12400.0	16	9120.0	17	5710.0	19
1949	32700.0	5	32100.0	6	31300.0	4	29500.0	4	26400.0	5	23000.0	4	19400.0	5	16100.0	6	11800.0	6	6760.0	9
1950	29800.0	11	29400.0	10	29100.0	8	27900.0	6	27100.0	4	22900.0	5	19500.0	4	16600.0	4	12500.0	5	7610.0	3
1951	30300.0	9	30200.0	9	29100.0	9	25800.0	10	22600.0	12	19100.0	11	15700.0	11	13700.0	9	10400.0	9	6520.0	10
1952	49900.0	2	46100.0	2	43100.0	1	39300.0	1	34600.0	1	33400.0	1	27700.0	1	22600.0	1	16300.0	1	9430.0	1
1953	27800.0	15	27200.0	16	26200.0	14	23400.0	16	19700.0	16	14000.0	22	11200.0	23	9300.0	23	7280.0	23	4690.0	23
1954	18400.0	24	17900.0	25	16800.0	25	14200.0	26	11200.0	27	8690.0	27	7740.0	28	6800.0	28	5380.0	28	3620.0	28
1955	14200.0	27	14000.0	27	13400.0	27	12800.0	27	11900.0	26	11100.0	25	9450.0	25	8210.0	24	6230.0	24	3920.0	25
1956	114000.0	1	47400.0	1	28900.0	10	28100.0	5	24200.0	9	20300.0	9	16100.0	10	13700.0	10	10000.0	11	5860.0	16
1957	42600.0	3	42000.0	3	41700.0	2	38500.0	2	32800.0	2	26200.0	2	22100.0	2	18300.0	2	13400.0	3	7570.0	4
1958	37900.0	4	37400.0	4	36200.0	3	33300.0	3	28600.0	3	21000.0	6	16400.0	9	13400.0	11	9860.0	12	6170.0	13
1959	16400.0	26	16400.0	26	15800.0	26	15500.0	25	13600.0	25	11000.0	26	8940.0	26	7570.0	26	5870.0	26	3810.0	27
1961	13100.0	29	12900.0	29	12400.0	28	11400.0	28	9960.0	28	7420.0	29	5950.0	29	5120.0	29	3950.0	29	2800.0	29
1962	31600.0	8	31400.0	7	30600.0	6	26200.0	9	25400.0	6	20900.0	7	19700.0	3	17800.0	3	13700.0	2	8050.0	2
1963	9370.0	30	9190.0	30	8380.0	30	8130.0	30	7700.0	30	5920.0	30	4810.0	30	4010.0	30	3200.0	30	2300.0	30
1964	21000.0	22	20900.0	22	20300.0	22	17900.0	23	15500.0	23	12100.0	24	9520.0	24	8040.0	25	6140.0	25	3840.0	26
1965	29800.0	10	29100.0	11	28300.0	11	25100.0	12	20500.0	15	17100.0	14	14700.0	13	12900.0	12	10400.0	10	7090.0	6
1966	13800.0	28	13400.0	28	12300.0	29	10500.0	29	9340.0	29	8060.0	28	7880.0	27	6980.0	27	5610.0	27	4440.0	24
1967	22300.0	20	21700.0	21	20700.0	21	19500.0	20	19400.0	17	15500.0	18	12000.0	21	10000.0	21	8000.0	21	5530.0	21
1968	28800.0	13	28700.0	12	27300.0	12	23900.0	15	21100.0	14	16700.0	16	13400.0	18	11400.0	18	8930.0	18	6390.0	11
1969	20500.0	23	20300.0	23	19900.0	23	19500.0	21	18600.0	19	15100.0	20	13600.0	17	11800.0	17	9690.0	14	6800.0	8
1970	23200.0	18	22800.0	18	21400.0	18	20600.0	17	19300.0	18	16300.0	17	12800.0	20	10700.0	20	8160.0	20	5900.0	14
1971	21900.0	21	21800.0	20	21300.0	19	19600.0	19	17800.0	21	15100.0	21	13000.0	19	11200.0	19	8500.0	19	5600.0	20

TABLE 2.--GAGING-STATION DESCRIPTIONS AND STATISTICAL SUMMARIES--CONTINUED

09315000 Green River at Green River, Utah--Continued

SUMMARY 6.--STATISTICS OF THE MEAN MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, SHOWN IN SUMMARY 5, BY MONTHS.

THE VALUES ARE: MEAN(M), VARIANCE(V), STANDARD DEVIATION(D), SKEWNESS(S), COEFFICIENT OF VARIATION(C), AND PERCENTAGE OF AVERAGE FLOW(P).

E: THE NUMBER TO THE RIGHT OF THE LETTER E IS THE POWER BY WHICH 10 MUST BE RAISED IN ORDER TO OBTAIN A MULTIPLICATIVE FACTOR THAT IS USED TO CONVERT THE DECIMAL NUMBER (TO THE LEFT OF THE LETTER E) TO THE ACTUAL VALUE. FOR EXAMPLE, 0.111 E 01 IS 1.111.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
BY ROWS(MEAN,VARIANCE,STANDARD DEVIATION, SKEWNESS, COEFF. OF VARIATION,PERCENTAGE OF AVERAGE FLOW)											
0.2365E+04	0.2430E+04	0.1964E+04	0.1841E+04	0.2303E+04	0.4004E+04	0.7717E+04	0.1616E+05	0.1980E+05	0.7965E+04	0.3682E+04	0.2080E+04
0.9120E+06	0.5232E+06	0.2313E+06	0.1276E+06	0.1864E+06	0.1186E+07	0.1186E+08	0.3704E+08	0.4128E+08	0.1468E+08	0.2339E+07	0.5536E+06
0.9550E+03	0.7233E+03	0.4809E+03	0.3573E+03	0.4317E+03	0.1089E+04	0.3443E+04	0.6089E+04	0.6425E+04	0.3832E+04	0.1529E+04	0.7440E+03
0.1386E+01	0.8471E+00	-0.4304E-01	0.2195E+00	0.4581E+00	0.8317E+00	0.1206E+01	0.1269E+01	-0.1344E+00	0.1251E+01	0.5333E+00	0.3528E+00
0.4039E+00	0.2977E+00	0.2448E+00	0.1941E+00	0.1874E+00	0.2720E+00	0.4462E+00	0.3768E+00	0.3245E+00	0.4811E+00	0.4154E+00	0.3577E+00
0.3270E+01	0.3360E+01	0.2717E+01	0.2546E+01	0.3185E+01	0.5537E+01	0.1067E+02	0.2235E+02	0.2738E+02	0.1101E+02	0.5092E+01	0.2876E+01

SUMMARY 7.--CORRELATION OF MEAN MONTHLY DISCHARGES.

MATRIX ILLUSTRATING THE CORRELATION OF MEAN MONTHLY DISCHARGES OF ONE MONTH WITH THOSE OF ONE MONTH WITH THOSE OF ONE AND TWO MONTHS IN THE FUTURE.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1.000	0.874	0.618	*	*	*	*	*	*	*	*	*
*	1.000	0.731	0.250	*	*	*	*	*	*	*	*
*	*	1.000	0.487	0.651	*	*	*	*	*	*	*
*	*	*	1.000	0.344	0.156	*	*	*	*	*	*
*	*	*	*	1.000	0.068	0.076	*	*	*	*	*
*	*	*	*	*	1.000	0.185	0.237	*	*	*	*
*	*	*	*	*	*	1.000	0.653	0.439	*	*	*
*	*	*	*	*	*	*	1.000	0.605	0.102	*	*
*	*	*	*	*	*	*	*	1.000	0.674	0.521	*
*	*	*	*	*	*	*	*	*	1.000	0.744	0.660
*	*	*	*	*	*	*	*	*	*	1.000	0.830
*	*	*	*	*	*	*	*	*	*	*	1.000

CORRELATION BETWEEN(OCT,NOV)AND (SEPT,AUG) OF SAME CAL YEAR
AUG -OCT 0.499
SEPT-OCT 0.719
SEPT-NOV 0.719

THE CORRELATION OF THE MEAN MONTHLY DISCHARGE FOR ONE YEAR TO THAT OF THE FOLLOWING YEAR.

OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
-0.105	-0.240	-0.130	-0.481	0.011	0.230	-0.191	-0.287	0.200	-0.223	-0.290	-0.243