13296500 SALMON RIVER BELOW YANKEE FORK, NEAR CLAYTON, ID

LOCATION.--Lat 44°16'06", long 114°43'55", in sec.20, T.11 N., R.15 E. (unsurveyed), Custer County, Challis National Forest, on left bank 700 ft (213 m) downstream from Yankee Fork, 18 mi (29 km) upstream from Clayton, and at mile 366.9 (590.3 km).

DRAINAGE AREA.--802 mi^2 (2,077 km^2) . Mean altitude, 7,790 ft (2,374 m).

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only for some periods, published in WSP 1317. Operated as high-flow station only 1972-76 (discharge for period October 1976 to April 1977 was estimated).

REVISED RECORDS.--WSP 1347: 1931. WSP 1567: Drainage area. WDR ID-77-1: 1974-76 (M).

GAGE.--Water-stage recorder. Altitude of gage is 5,900 ft (1,798 m), by barometer. Oct. 3, 1926, to Nov. 5, 1934, at site 200 ft (61 m) downstream at approximately present datum. Prior to Oct. 3, 1926, nonrecording gage at site 200 ft (61 m) downstream at datum approximately 1.5 ft (0.5 m) higher.

REMARKS.--Records good. Diversions above station for irrigation of about 4,400 acres (1,780 hm^2) 1966 determination.

AVERAGE DISCHARGE.--56 years, 996 ft^3/s (28.21 m^3/s), 16.87 in./yr (428 mm/yr), 721,600 acre-ft/yr (890 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s (295 m^3/s) June 17, 1974, gage height, 11.86 ft (3.615 m); minimum, 160 ft^3/s (4.53 m^3/s), estimated, Nov. 25-30, 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,350 ft^3/s (66.6 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
May 2	0445	3700	105	6.79	2.070	June 9	0045	*6170	175	*8.99	2.740

Minimum discharge, 281 ft^3/s (7.96 m^3/s) Feb. 11, gage height, 1.66 ft (0.506 m).

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 8-Feb. 3, May 6-9)

1.5	255	4.0	1450
2.0	426	5.0	2180
3.0	870	7.0	4000
		9.0	6210

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	509	478	440	503	363	408	455	2920	3570	1530	516	374
2	505	474	444	455	336	412	437	3520	3370	1470	503	370
3	501	470	563	477	337	407	429	3060	3230	1380	492	367
4	498	466	567	443	345	417	422	2700	3020	1310	488	369
5	472	466	497	416	351	426	426	2380	2870	1280	480	370
6	470	489	497	399	365	419	463	2120	3120	1470	466	365
7	462	780	448	383	343	413	448	1880	3360	1370	465	370
8	462	1360	386	391	345	417	422	1710	4880	1250	459	380
9	462	880	411	424	352	419	440	1610	5810	1150	459	375
10	458	750	411	415	331	422	415	1600	4760	1060	472	370
11	464	698	453	398	319	428	433	1620	4030	993	457	370
12	471	661	425	380	358	438	418	1510	3660	929	448	375
13	511	567	400	372	354	453	433	1370	3310	892	428	380
14	498	470	392	373	394	455	481	1370	2930	809	439	380
15	505	466	441	365	390	465	612	1580	2590	745	432	370
16	503	455	433	363	420	478	830	1460	2420	725	428	365
17	492	470	416	378	551	457	915	1380	2400	705	425	363
18	490	493	399	382	485	446	1020	1390	2130	695	424	362
19	496	485	395	376	612	440	1330	1590	2120	685	424	364
20	499	463	407	382	652	444	1960	1810	2170	675	439	356
21	500	463	416	368	546	459	1660	2070	2140	655	445	368
22	486	481	438	381	498	459	1500	2380	2120	650	427	377
23	459	455	430	381	481	444	1520	2390	2110	635	419	381
24	474	466	424	383	470	429	1970	2550	2040	609	413	395
25	493	415	456	378	462	448	2250	2760	1930	602	415	471
26	516	429	586	353	446	474	2140	3090	1880	604	405	505
27	497	440	695	373	431	455	2010	3250	1860	599	398	510
28	451	459	697	378	419	455	1940	3280	1780	577	395	495
29	478	448	574	374	---	497	2080	3330	1660	563	387	488
30	489	448	557	377	---	474	2400	3440	1570	536	376	474
31	481	---	547	371	---	455	---	3700	---	521	370	---
TOTAL	15052	16345	14645	12192	11756	13713	32259	70820	84840	27674	13594	11859
MEAN	486	545	472	393	420	442	1075	2285	2828	893	439	395
MAX	516	1360	697	503	652	497	2400	3700	5810	1530	516	510
MIN	451	415	386	353	319	407	415	1370	1570	521	370	356
CFSM	.61	.68	.59	.49	.52	.55	1.34	2.85	3.53	1.11	.55	.49
IN.	.70	.76	.68	.57	.55	.64	1.50	3.28	3.94	1.28	.63	.55
AC-FT	29860	32420	29050	24180	23320	27200	63990	140500	168300	54890	26960	23520

CAL YR 1980 TOTAL 375310 MEAN 1025 MAX 4700 MIN 265 CFSM 1.28 IN 17.41 AC-FT 744400
WTR YR 1981 TOTAL 324749 MEAN 890 MAX 5810 MIN 319 CFSM 1.11 IN 15.06 AC-FT 644100