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 downstream from Yankee Fork, 18 mi upstream from Clayton, and at mile 366.9.
DRAINAGE AREA.--802 mi2. Mean altitude, 7,790 ft.
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, by barometer. Oct. 3, 1926, to Nov. 5, 1934, at site 200 ft downstream at approximately present datum. Prior to Oct. 3, 1926, nonrecording gage at site 200 ft downstream at datum approximately 1.5 ft higher.
REMARKS.--Records excellent. Diversions above station for irrigation of about 4,400 acres, 1966 determination.
AVERAGE DISCHARGE.--59 years, 1,013 ft3/s, 17.15 in./yr, 733,900 acre-ft/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft3/s June 17, 1974, gage height, 11.86 ft; minimum, 160 ft3/s, estimated, Nov. 25-30, 1929.
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,350 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
May 16	0030	4600	7.60	June 21	0730	5110	8.08
May 31	1045	*6040	8.86				

Minimum discharge, 393 ft3/s Mar. 5, gage height, 1.91 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 25, 26)

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	795	715	655	584	504	488	504	884	5560	3980	1230	666
2	724	752	655	568	489	490	499	938	4890	3560	1180	632
3	705	735	676	626	495	476	506	919	4450	3340	1130	619
4	683	731	679	637	501	450	526	889	4040	3190	1080	602
5	662	828	590	634	494	449	541	848	3790	3000	1060	587
6	648	827	650	612	492	495	534	852	3570	2890	1020	836
7	634	1270	680	594	497	465	546	809	3340	2870	954	747
8	625	964	686	594	479	475	574	910	3160	2780	913	709
9	791	855	670	558	489	495	560	1220	2950	2600	880	706
10	825	870	704	542	506	496	562	1410	2760	2400	845	665
11	725	1140	695	585	489	494	547	1470	2710	2190	861	654
12	696	1020	691	562	496	493	543	1950	2580	2050	843	644
13	690	944	687	547	516	493	545	2640	2540	1950	834	643
14	749	898	690	510	523	515	605	3660	2630	1850	808	636
15	701	857	674	478	483	512	798	4370	2860	1750	779	652
16	673	840	565	493	520	507	1090	4220	3480	1660	795	648
17	665	860	567	505	516	490	1180	3520	3880	1600	810	657
18	659	831	581	481	487	496	1170	3140	4070	1530	759	639
19	641	805	584	472	458	510	1090	3230	4160	1480	743	625
20	641	801	575	484	473	566	995	3820	4600	1440	711	643
21	635	711	535	519	515	577	1010	4050	5040	1410	697	790
22	625	610	510	542	504	536	1180	3790	4630	1390	684	689
23	668	695	450	530	482	546	1260	3850	4180	1790	707	675
24	651	744	525	537	499	531	1180	3810	4030	1620	691	666
25	629	757	610	533	494	523	1070	3460	4180	1460	685	632
26	621	693	670	524	474	517	936	3650	4410	1380	688	652
27	614	717	633	525	464	494	925	3620	4490	1420	645	639
28	613	709	592	514	480	507	914	3690	4490	1570	622	630
29	646	659	621	496	493	497	878	4110	4490	1470	601	625
30	656	563	647	482	---	497	864	4980	4440	1350	595	621
31	678	---	651	489	---	498	---	5920	---	1260	665	---
TOTAL	20968	24401	19398	16757	14312	15578	24182	86629	116400	64230	25515	19849
MEAN	676	813	626	541	494	503	806	2794	3880	2072	823	662
MAX	825	1270	704	637	523	577	1260	5920	5560	3980	1230	836
MIN	613	563	450	472	458	449	499	809	2540	1260	595	587
CFSM	.84	1.01	.78	.67	.62	.63	1.00	3.48	4.84	2.58	1.03	.33
IN.	.97	1.13	.90	.78	.66	.72	1.12	4.02	5.40	2.98	1.18	.92
AC-FT	41590	48400	38480	33240	28390	30900	47960	171800	230900	127400	50610	39370

CAL YR 1983	TOTAL	481944	MEAN	1320	MAX	7040	MIN	385	CFSM	1.65	IN.	22.35	AC-FT	955900
WTR YR 1984	TOTAL	448219	MEAN	1225	MAX	5920	MIN	449	CFSM	1.53	IN.	20.79	AC-FT	889000