

SPOKANE RIVER BASIN

12420500 SPOKANE RIVER AT GREENACRES, WA

LOCATION.--Lat 47°40'39", long 117°09'04", in SW 1/4 of NW 1/4 sec.8, T.25 N., R.45 E., Spokane County, Hydrologic Unit 17010305, on left bank 600 ft upstream from Barker Road Bridge, 0.5 mi north of Greenacres, and at mile 90.5.

DRAINAGE AREA.--4,150 mi², approximately

PERIOD OF RECORD.--March 1948 to July 1952, August 1999 to current year.

REVISED RECORDS.--None

GAGE.--Water-stage recorder. Datum of gage is arbitrary.

REMARKS.--Records fair except for estimated daily discharges and discharges below 600 ft³/s, which are poor. Flow partly regulated by dam at Post Falls, Idaho, 8.2 mi upstream and affected by storage in Coeur d'Alene Lake.

AVERAGE DISCHARGE.--4 years (water years 1949-51, 2000) 7,255 ft³/s, 5,256,000 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, probably occurred May 30, 1948, during period of no gage-height record (comparison with other stations on this stream indicates a discharge of about 40,000 ft³/s); minimum discharge, 52 ft³/s August 26, 27, 1949.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 29,100 ft³/s, Apr. 23, gage height 12.95 ft; minimum discharge, 190 ft³/s, part of each day Aug. 31 and Sept. 1, gage height 2.96 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1740	1820	5360	5690	3310	7260	11100	21400	10600	2450	e615	194
2	1740	1820	5390	5550	3750	7530	11000	20700	10700	2440	e615	245
3	1740	1820	5370	5180	4690	7660	11100	20500	10500	3110	e610	261
4	1740	1820	5310	5010	5690	7960	11500	20400	9730	3100	e610	304
5	1740	1820	5310	4890	5980	8410	12100	20400	8700	3080	e610	494
6	1750	1830	5350	4660	6520	8960	13100	20300	8130	3080	e610	889
7	1750	2120	5520	4360	6520	9610	14100	19900	7740	2650	e610	901
8	1750	2380	5570	4240	6550	10100	14300	19200	6840	2230	e610	914
9	1750	2370	5600	4250	6560	9960	14200	18600	6960	2210	e605	921
10	1750	2400	5580	4030	6590	9830	14000	17900	6980	2220	e605	937
11	1750	2410	5560	4000	6690	9750	14100	17500	6990	2220	e605	930
12	1770	2380	5540	3980	6760	9300	14500	17200	7000	2090	e610	1320
13	1750	2390	5540	3900	6770	8560	15400	16700	7620	1590	e610	1340
14	1730	2410	5580	3750	6720	10000	17200	16100	8290	1500	e610	1340
15	1460	2410	5630	3740	6710	10100	20500	15500	7590	1160	653	1350
16	1170	2430	5830	3770	6640	10000	23700	14900	7380	1150	612	1350
17	1470	2430	6710	3780	6550	10000	26000	14600	7350	1170	423	1350
18	1750	2520	7530	3790	6260	9910	27000	14400	7350	1210	287	1350
19	1750	2610	7890	3790	6190	9680	27400	14500	7110	1090	242	1360
20	1750	2620	8850	3920	5850	9540	27900	14600	6080	930	240	1360
21	1450	2620	9630	4000	5630	9430	28000	14600	5600	851	239	1370
22	1180	2620	9840	4000	5610	9250	28200	14600	5250	652	237	1420
23	1180	2620	9700	3860	5630	9260	28200	14400	4470	645	231	1520
24	1420	2700	9350	3760	5830	9850	28000	14500	3990	909	224	1520
25	1660	2730	8910	3760	6130	10100	27500	14100	3980	1280	220	1520
26	1670	2940	8430	3760	6190	10400	26500	13000	3670	1280	220	1520
27	1420	3710	7730	3710	6260	10500	25200	12500	3300	1280	211	1520
28	1380	4380	7210	3620	6500	10500	24000	12400	3300	1090	213	1630
29	1680	4410	6670	3550	6900	10800	23000	12300	3290	676	205	1800
30	1820	4930	6360	3440	---	11000	22200	11700	2880	e620	200	1820
31	1820	---	6040	3370	---	11100	---	11100	---	e620	196	---
TOTAL	50480	78470	208890	127110	175980	296310	601000	500500	199370	50583	13388	34750
MEAN	1628	2616	6738	4100	6068	9558	20030	16150	6646	1632	432	1158
MAX	1820	4930	9840	5690	6900	11100	28200	21400	10700	3110	653	1820
MIN	1170	1820	5310	3370	3310	7260	11000	11100	2880	620	196	194
AC-FT	100100	155600	414300	252100	349100	587700	1192000	992700	395500	100300	26560	68930
CFSM	.39	.63	1.62	.99	1.46	2.30	4.83	3.89	1.60	.39	.10	.28
IN.	.45	.70	1.87	1.14	1.58	2.66	5.39	4.49	1.79	.45	.12	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2000, BY WATER YEAR (WY)

MEAN	1795	2991	5511	4675	7231	9082	17930	22630	11750	2448	705	645
MAX	2788	4435	9128	7735	15440	16490	20030	29510	22900	6216	1391	1185
(WY)	1952	1951	1951	1951	1951	1950	2000	1948	1948	1950	1948	1999
MIN	865	1499	3052	2728	3148	3988	15160	16150	5648	1071	199	132
(WY)	1950	1949	1949	1949	1949	1952	1951	2000	1951	1949	1951	1949

SUMMARY STATISTICS FOR 1999 CALENDAR YEAR FOR 2000 WATER YEAR WATER YEARS 1948 - 2000

ANNUAL TOTAL							2336831					
ANNUAL MEAN							6385			7255		
HIGHEST ANNUAL MEAN										9028		1950
LOWEST ANNUAL MEAN										6385		2000
HIGHEST DAILY MEAN				9840	Dec 22		28200	Apr 22		40000	May 30	1948
LOWEST DAILY MEAN				286	Sep 4		194	Sep 1		55	Aug 27	1949
ANNUAL SEVEN-DAY MINIMUM				331	Sep 2		206	Aug 26		57	Aug 29	1949
ANNUAL RUNOFF (AC-FT)							4635000			5256000		
ANNUAL RUNOFF (CFSM)							1.54			1.75		
ANNUAL RUNOFF (INCHES)							20.95			23.75		
10 PERCENT EXCEEDS				6230			14600			20700		
50 PERCENT EXCEEDS				1790			4300			3770		
90 PERCENT EXCEEDS				478			620			450		

e Estimated