

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. Elevation of gage is 1,980 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair except for 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.--5 years (water years 1949-51, 2000, 2001) 6,304 ft³/s, 4,567,000 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, 22 ft³/s August 21, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 18,300 ft³/s, May 2, gage height 10.81 ft; minimum discharge, 22 ft³/s, Aug. 21, gage height 2.50 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1810	2310	1710	1340	947	1300	3440	11500	4860	1610	478	63
2	1820	2310	1720	1340	944	1350	3730	14600	4400	1610	459	65
3	1830	2300	1710	1340	942	1370	4090	15900	4440	1650	395	65
4	1840	2310	1720	1330	945	1370	4200	15800	4420	1490	331	67
5	1840	2310	1420	1330	995	1360	4250	15500	4430	1270	330	60
6	1840	2320	792	1330	1130	1390	4260	14100	4560	1260	299	61
7	1850	2320	767	1330	1130	1420	4290	11800	4620	1150	262	62
8	2000	2330	1110	1330	1150	1420	4290	10800	4330	946	257	88
9	2200	2330	1700	1140	1220	1400	4280	9010	4010	820	199	87
10	2210	2350	1700	771	1220	1430	4260	7470	3830	809	117	226
11	2220	2330	1700	780	1220	1440	4250	7520	3540	843	113	640
12	2210	2330	1700	795	1220	1440	4260	8060	3520	848	110	654
13	2210	2330	1700	779	1200	1610	4270	8630	3510	734	109	648
14	2210	2330	1700	770	1190	1800	4280	11700	3450	652	100	636
15	2220	1910	1700	770	1160	1810	4270	15000	3170	646	70	672
16	2220	1850	1700	768	1110	1790	4260	15700	2940	643	60	674
17	2210	1820	1700	765	1100	1790	4260	15700	2830	634	64	661
18	2230	1700	1700	763	1100	1810	4260	15400	2830	628	80	687
19	2260	1700	1690	763	1090	1920	4240	13300	2650	588	80	693
20	2300	1670	1700	761	1090	2040	4260	11100	2470	503	79	696
21	2290	1650	1690	764	1090	2330	4270	9320	2420	449	47	700
22	2300	1640	1680	761	1090	2660	4270	8520	2310	444	61	722
23	2300	1620	1680	759	1090	2670	4270	7990	2040	413	63	724
24	2310	1630	1690	760	1090	2680	4260	7770	1890	390	62	726
25	2310	1670	1680	761	1090	2700	4250	8150	1820	407	61	729
26	2310	1680	1680	761	1180	3040	4260	8150	1770	404	61	732
27	2320	1680	1670	761	1280	3370	4280	8350	1690	400	61	744
28	2320	1680	1670	761	1280	3390	5570	8580	1670	435	62	741
29	2310	1700	1670	849	---	3400	8850	8080	1660	510	62	743
30	2310	1720	1510	1060	---	3410	9820	6850	1640	514	62	745
31	2320	---	1350	992	---	3430	---	5330	---	480	62	---
TOTAL	66930	59830	49309	29284	31293	64340	137800	335680	93720	24180	4656	14811
MEAN	2159	1994	1591	945	1118	2075	4593	10830	3124	780	150	494
MAX	2320	2350	1720	1340	1280	3430	9820	15900	4860	1650	478	745
MIN	1810	1620	767	759	942	1300	3440	5330	1640	390	47	60
AC-FT	132800	118700	97800	58080	62070	127600	273300	665800	185900	47960	9240	29380
CFSM	.52	.48	.38	.23	.27	.50	1.11	2.61	.75	.19	.04	.12
IN.	.60	.54	.44	.26	.28	.58	1.24	3.01	.84	.22	.04	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

	1948	1949	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
MEAN	1855	2825	4858	4053	6224	8081	16020	20950	10520	2170	613	623	
MAX	2788	4435	9128	7735	15440	16490	20030	29510	22900	6216	1391	1185	
(WY)	1952	1951	1951	1951	1950	2000	1948	1948	1950	1948	1948	1999	
MIN	865	1499	1591	945	1118	2075	4593	10830	3124	780	150	132	
(WY)	1950	1949	2001	2001	2001	2001	2001	2001	2001	2001	2001	1949	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1948 - 2001
ANNUAL TOTAL	2175060	911833	
ANNUAL MEAN	5943	2498	6304
HIGHEST ANNUAL MEAN			9028
LOWEST ANNUAL MEAN			2498
HIGHEST DAILY MEAN	28200	Apr 22	40000
LOWEST DAILY MEAN	194	Sep 1	47
ANNUAL SEVEN-DAY MINIMUM	206	Aug 26	57
ANNUAL RUNOFF (AC-FT)	4314000	1809000	4567000
ANNUAL RUNOFF (CFSM)	1.43	.60	1.52
ANNUAL RUNOFF (INCHES)	19.50	8.17	20.64
10 PERCENT EXCEEDS	14600	4580	19100
50 PERCENT EXCEEDS	3090	1680	3450
90 PERCENT EXCEEDS	620	318	437