

SNAKE RIVER MAIN STEM

13334300 SNAKE RIVER NEAR ANATONE, WA

LOCATION.--Lat 46°05'50", long 116°58'36", in SE 1/4 SE 1/4 NE 1/4 sec.12, T.7 N., R.46 E., Asotin County, Hydrologic Unit 17060103, on left bank 1.2 mi downstream from Grande Ronde River, 7.8 mi east of Anatone, 22 mi south of Clarkston, and at mile 167.2.

DRAINAGE AREA.--92,960 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1958 to current year.

REVISED RECORDS.--WDR WA-76-1: 1974 and 1975.

GAGE.--Water-stage recorder. Datum of gage is 806.78 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Diversions upstream from station for irrigation of about 4,090,000 acres, of which about 750,000 acres are irrigated by withdrawals from ground water. Flow regulated by many reservoirs upstream from station with a total usable capacity of more than 10,000,000 acre-feet, the most effective of which is Brownlee Reservoir 117.8 mi upstream. Diurnal fluctuations caused by Hells Canyon powerplant. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--44 years (water years 1958-2002), 35,480 ft³/s, 25,710,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195,000 ft³/s June 18, 1974, gage height, 24.45 ft; minimum discharge, 6,010 ft³/s Sept. 2, 1958, gage height, 1.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 86,200 ft³/s May 31, gage height, 13.55 ft; minimum discharge, 8,220 ft³/s Oct. 1 gage height, 2.10 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9960	15800	13400	14100	21600	17600	43000	30600	83200	30600	12800	12700
2	14600	16200	13900	15400	24400	17800	35300	33000	81100	28900	12700	11800
3	15500	15800	13900	18000	22200	16300	35600	40300	80600	27800	12700	16000
4	13600	15300	14000	18800	23700	17500	25300	41100	76900	28300	12600	15600
5	15300	15000	13900	21700	26400	17800	29200	36200	71000	23300	12900	17300
6	12900	14600	14000	19500	23900	14600	36400	36500	67400	22500	14100	15900
7	12000	14300	13900	20300	20700	15100	39900	39500	65500	22000	13200	11800
8	15300	14100	13900	25500	18700	18300	38400	35500	62000	21900	13200	11300
9	12000	14000	13900	26700	13900	17400	39300	32600	58200	20800	12700	12400
10	11800	13800	13700	23900	14100	15300	39800	30200	54600	20100	15600	12900
11	12200	13700	13400	23600	18400	19300	39000	28900	50200	21800	17600	13600
12	12600	13600	13400	20900	22400	23800	35700	27000	46700	21600	15100	16800
13	12700	13600	17100	17700	26400	24400	36700	27100	44100	21300	16800	19100
14	12900	13700	19200	17100	23700	25000	45200	33400	42600	21400	20600	19900
15	13000	13900	16700	21700	19400	24800	57100	34500	43700	17000	19800	16600
16	13300	13900	16000	23200	16200	20400	60000	36500	47300	18300	20600	17100
17	13000	13800	18500	23700	13900	18900	60200	36400	50300	19400	17900	18600
18	12700	13800	22600	24000	16100	19900	54900	37500	50500	20300	18300	15900
19	12600	13800	22300	17500	16300	25200	50500	41800	52700	16000	14600	15900
20	12400	13700	17300	15600	14800	22000	43200	54700	47900	15700	18200	17200
21	12400	13800	17100	17800	14700	20000	37100	63800	44500	15800	14400	15300
22	12500	14100	16400	25900	14900	19600	37900	63500	42100	15300	15700	14600
23	12900	14700	15700	24500	15800	21900	44600	61300	43100	15100	17000	14700
24	13200	14900	15300	23400	17100	23800	41200	59300	43200	17500	17400	18200
25	13400	14600	16200	24500	19700	32500	34700	52100	46500	17500	15800	18500
26	13200	14300	12000	19900	22100	37700	29500	45700	41700	14200	14400	17700
27	13200	14000	15000	18000	21100	39200	28300	49400	41200	13800	17500	16200
28	13100	13900	14900	18200	17600	39600	28600	60100	42600	13800	16000	17500
29	13200	13500	13200	23200	---	39800	28500	63900	38900	13800	18600	18600
30	13900	13300	13400	24500	---	38100	29000	74800	35300	13100	20700	18400
31	14400	---	14100	22300	---	41300	---	84200	---	16000	15000	---
TOTAL	405760	427500	478300	651100	540200	744900	1184100	1391400	1595600	604900	494500	478100
MEAN	13090	14250	15430	21000	19290	24030	39470	44880	53190	19510	15950	15940
MAX	15500	16200	22600	26700	26400	41300	60200	84200	83200	30600	20700	19900
MIN	9960	13300	12000	14100	13900	14600	25300	27000	35300	13100	12600	11300
AC-FT	804800	847900	948700	1291000	1071000	1478000	2349000	2760000	3165000	1200000	980800	948300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

MEAN	21370	22070	25000	29490	33390	39780	48900	66510	71560	30720	18030	19390
MAX	31540	36960	41630	71930	72520	90400	88700	118700	134200	63860	29140	31730
(WY)	1985	1985	1965	1997	1965	1972	1974	1984	1984	1982	1997	1997
MIN	13090	13620	13570	16140	15780	18680	18880	20610	16850	12830	9765	10180
(WY)	2002	1993	1993	2001	2001	1977	1977	1977	1992	1977	1992	1992

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1958 - 2002

ANNUAL TOTAL	6750080	8996360	
ANNUAL MEAN	18490	24650	35480
HIGHEST ANNUAL MEAN			59030
LOWEST ANNUAL MEAN			18050
HIGHEST DAILY MEAN	58000	May 17	84200
LOWEST DAILY MEAN	9820	Sep 2	9960
ANNUAL SEVEN-DAY MINIMUM	11300	Aug 20	12500
ANNUAL RUNOFF (AC-FT)	13390000		17840000
10 PERCENT EXCEEDS	29200		44800
50 PERCENT EXCEEDS	15300		18300
90 PERCENT EXCEEDS	12400		13200
			74100
			25700
			15200
			1910000
			Jun 18 1974
			6630
			Sep 1 1958
			7150
			Aug 28 1958