

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 mi<sup>2</sup>, 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 sea level.

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.--42 years (water years 1958-2000), 36,130 ft<sup>3</sup>/s, 26,180,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195,000 ft<sup>3</sup>/s June 18, 1974, gage height, 24.45 ft; minimum discharge, 6,010 ft<sup>3</sup>/s Sept. 2, 1958, gage height, 1.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68,900 ft<sup>3</sup>/s Apr. 23, gage height, 11.63 ft; minimum discharge, 10,000 ft<sup>3</sup>/s Aug. 29, gage height, 2.63 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	23300	19400	19400	18100	30100	44700	41200	54900	57100	23200	14500	14400
2	21000	19000	19100	17000	28300	40700	42000	54800	51400	22000	15300	12400
3	22900	18700	19000	22200	30900	42200	44500	54600	47500	22500	14400	11300
4	18500	18400	18800	25600	32900	42300	47600	55000	45200	22600	13400	11200
5	24000	18400	18100	25200	34700	42900	51400	61100	53000	25300	14700	13700
6	24400	18600	17500	26500	34700	39700	50500	56400	59400	27400	14700	21400
7	24700	19600	17000	30800	26800	41900	51700	51800	60000	27000	14300	22700
8	23600	20000	19300	28900	32700	37400	49600	49300	54800	26400	14000	21800
9	24600	19500	19600	26000	31000	36100	47600	48600	47900	26200	12400	18600
10	24300	19200	21600	22600	31600	35000	48700	52100	44900	27100	14300	16600
11	20000	19000	20500	28500	30100	31800	50700	54800	44600	27600	14100	17000
12	22600	18900	18500	29000	30200	34200	52300	54200	43200	28600	13700	23400
13	23400	18900	18900	30500	25300	35800	57900	51100	45800	29500	13800	27800
14	23800	18900	24100	28200	27500	34900	63200	49800	51400	28200	13200	24800
15	22800	18800	23500	27500	33700	34200	64500	48100	53100	26400	13000	24000
16	24800	18500	21800	28600	35300	35200	61300	42300	50100	26500	13400	21200
17	23200	18500	21100	28600	34800	35500	59600	41500	43200	27100	13600	19800
18	18300	18500	23200	31300	31500	35500	58800	43500	37600	25000	14200	21900
19	18000	18500	24400	30100	28200	36000	61300	44900	40900	23400	14900	24400
20	18100	18500	23600	29600	25700	37600	62500	46900	40200	25300	13500	24800
21	18100	18500	25200	29600	23300	35900	63400	50100	39000	25300	13200	23000
22	18100	18500	24000	29400	27200	35000	65600	56400	38200	23100	12700	21100
23	18100	18400	22200	29000	28800	35000	68200	62200	31900	22200	13000	22500
24	18000	18200	20800	30900	32200	38100	67200	62400	25600	21400	12600	21200
25	18000	17000	17700	29800	36000	40700	64100	61600	24600	24300	13400	22200
26	18100	22900	17100	29600	36600	39200	61000	60800	27700	23800	13700	25300
27	18300	24800	18700	30300	34600	39600	58500	59400	32500	23700	13000	17200
28	18500	23200	20100	30300	40000	40300	59100	58900	30300	22600	13600	10800
29	19600	21300	17500	29500	43500	42200	58800	57600	29600	16900	14600	10100
30	20200	20000	19000	29200	---	44600	53400	57300	27900	15300	16300	10200
31	19800	---	16800	28500	---	42900	---	59100	---	14400	14600	---
TOTAL	651100	580600	628100	860900	918200	1187100	1686200	1661500	1278600	750300	430100	576800
MEAN	21000	19350	20260	27770	31660	38290	56210	53600	42620	24200	13870	19230
MAX	24800	24800	25200	31300	43500	44700	68200	62400	60000	29500	16300	27800
MIN	18000	17000	16800	17000	23300	31800	41200	41500	24600	14400	12400	10100
AC-FT	1291000	1152000	1246000	1708000	1821000	2355000	3345000	3296000	2536000	1488000	853100	1144000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	21650	22420	25450	30010	34140	40620	49720	67670	73170	31360	18190	19620
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	13760	13620	13570	16750	17090	18680	18880	20610	16850	12830	9765	10180
(WY)	1989	1993	1993	1993	1977	1977	1977	1977	1992	1977	1992	1992

SUMMARY STATISTICS FOR 1999 CALENDAR YEAR FOR 2000 WATER YEAR WATER YEARS 1958 - 2000

ANNUAL TOTAL	16113600	11209500	
ANNUAL MEAN	44150	30630	
HIGHEST ANNUAL MEAN		59030	1997
LOWEST ANNUAL MEAN		18050	1992
HIGHEST DAILY MEAN	132000	68200	Apr 23 191000 Jun 18 1974
LOWEST DAILY MEAN	14700	10100	Sep 29 6630 Sep 1 1958
ANNUAL SEVEN-DAY MINIMUM	18100	13100	Aug 21 7150 Aug 28 1958
ANNUAL RUNOFF (AC-FT)	31960000	22230000	26180000
10 PERCENT EXCEEDS	85700	54800	75200
50 PERCENT EXCEEDS	34600	26100	26100
90 PERCENT EXCEEDS	18500	14700	15600