

ASOTIN CREEK BASIN

13334450 ASOTIN CREEK BELOW CONFLUENCE NEAR ASOTIN, WA

LOCATION.--Lat 46°16'25", long 117°17'29", in SW 1/4 NW 1/4 sec.10, T.9 N., R.44 E., Asotin County, Hydrologic Unit 17060103, on left bank 0.1 mi downstream from confluence of North Fork and South Forks of Asotin Creek, at upstream side of county road bridge 11 mi southwest of Asotin, and at mile 14.6.

DRAINAGE AREA.--104 mi².

PERIOD OF RECORD.--January 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,810 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No regulation. No diversion. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--1 year (water year 2002) 55.5 ft³/s, 7.25 in/yr, 40,220 acre ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 539 ft³/s Apr. 14, 2002, gage height 3.17 ft; minimum discharge, 20 ft³/s Sept. 18, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 539 ft³/s Apr. 14, gage height, 3.17 ft; minimum daily discharge, 21 ft³/s Aug. 13-18.

REVISIONS.--The maximum gage height for the period January through September 2001 has been revised to 2.13 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	23	34	30	31	28	46	99	106	175	44	e23	e25
2	23	31	30	31	27	42	99	119	160	42	e23	e25
3	22	29	29	34	27	39	96	135	148	40	e23	e24
4	22	28	29	35	26	38	97	126	140	39	e24	e24
5	22	28	29	35	26	38	107	117	135	38	e26	e26
6	22	28	29	36	26	40	137	106	131	36	e26	25
7	22	27	29	59	28	39	152	97	120	35	e26	26
8	23	27	29	104	28	37	144	88	108	36	e25	26
9	23	27	29	95	26	37	139	82	105	e34	e24	25
10	22	27	28	74	26	37	141	76	114	e34	e23	25
11	33	27	29	60	26	43	148	72	107	e32	e22	25
12	25	27	29	53	26	104	171	72	104	e30	e22	25
13	24	27	31	47	27	98	213	89	104	e30	e21	25
14	25	29	46	43	27	88	382	111	107	e30	e21	25
15	25	29	39	39	26	78	224	116	108	e30	e21	26
16	25	29	37	36	27	70	145	109	106	e29	e21	26
17	24	29	39	34	28	64	116	115	99	e28	e21	27
18	24	28	37	33	28	58	99	128	101	e28	e21	27
19	25	28	36	32	29	56	91	161	90	e28	e22	26
20	25	28	35	31	29	54	89	198	84	e28	e22	26
21	25	31	34	31	30	51	89	176	78	e28	e24	26
22	26	32	33	30	42	52	90	151	73	e27	e30	26
23	27	35	32	29	66	60	95	137	69	e26	e26	25
24	25	32	31	29	78	80	88	129	65	e26	e24	25
25	25	32	30	31	69	93	87	132	60	e27	e25	25
26	24	31	30	31	61	100	88	144	56	e26	e26	26
27	25	29	30	30	55	109	92	169	53	e26	e25	26
28	26	30	32	28	51	107	88	212	51	e25	e24	26
29	26	30	31	28	---	98	87	231	60	e24	e25	26
30	27	29	30	29	---	93	97	220	49	e24	e26	27
31	34	---	31	29	---	92	---	190	---	e24	e26	---
TOTAL	769	878	993	1267	993	2041	3790	4114	2960	954	738	767
MEAN	24.8	29.3	32.0	40.9	35.5	65.8	126	133	98.7	30.8	23.8	25.6
MAX	34	35	46	104	78	109	382	231	175	44	30	27
MIN	22	27	28	28	26	37	87	72	49	24	21	24
AC-FT	1530	1740	1970	2510	1970	4050	7520	8160	5870	1890	1460	1520
CFSM	0.24	0.28	0.31	0.39	0.34	0.63	1.21	1.28	0.95	0.30	0.23	0.25
IN.	0.28	0.31	0.36	0.45	0.36	0.73	1.36	1.47	1.06	0.34	0.26	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
MEAN	24.8	29.3	32.0	32.3	30.4	48.3	88.0	110	67.7	30.9	25.1	24.0
MAX	24.8	29.3	32.0	40.9	35.5	65.8	126	133	98.7	31.0	26.3	25.6
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	2002
MIN	24.8	29.3	32.0	23.8	25.3	30.8	49.7	88.3	36.8	30.8	23.8	22.4
(WY)	2002	2002	2002	2001	2001	2001	2001	2001	2001	2002	2002	2001

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	12821	20264		
ANNUAL MEAN	35.1	55.5		
HIGHEST ANNUAL MEAN			55.5	2002
LOWEST ANNUAL MEAN			55.5	2002
HIGHEST DAILY MEAN	128	382	382	Apr 14 2002
LOWEST DAILY MEAN	21	21	21	Sep 15 2001
ANNUAL SEVEN-DAY MINIMUM	21	21	21	Sep 15 2001
ANNUAL RUNOFF (AC-FT)	25430	40190	40220	Aug 12 2002
ANNUAL RUNOFF (CFSM)	0.34	0.53	0.53	
ANNUAL RUNOFF (INCHES)	4.59	7.25	7.25	
10 PERCENT EXCEEDS	48	116	116	
50 PERCENT EXCEEDS	29	31	31	
90 PERCENT EXCEEDS	23	24	24	

e Estimated