

BIG BEEF CREEK BASIN

12069550 BIG BEEF CREEK NEAR SEABECK, WA

LOCATION.--Lat 47°38'27", long 122°47'02", in NW 1/4 SE 1/4 sec.22, T.25 N., R.1 W., Kitsap County, Hydrologic Unit 17110018, on left bank 1.1 mi upstream from county road bridge across Big Beef Harbor, and 1.9 mi east of Seabeck.

DRAINAGE AREA.--13.8 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1969 to October 1981, June 1983 to September 1995 (seasonal records), October 1995 to current year.

REVISED RECORDS.--WDR WA-76-1: 1975(M).

GAGE.--Water-stage recorder. Elevation of gage is 40 ft above NGVD of 1929, from topographic map. Prior to July 7, 1978, at site 110 ft downstream at datum 2.03 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Lake Symington, 4.6 mi upstream. No diversions upstream from station.

AVERAGE DISCHARGE.--19 years (water years 1970-81, 1996-2002), 42.2 ft<sup>3</sup>/s, 41.57 in/yr, 30,590 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft<sup>3</sup>/s Jan. 1, 1997, gage height, 6.97 ft, from rating curve extended above 700 ft<sup>3</sup>/s on basis of slope-area measurement at gage height of 6.97 ft; minimum discharge, 2.2 ft<sup>3</sup>/s Aug. 12-17, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft<sup>3</sup>/s Dec. 16; gage height, 6.53 ft; maximum gage height, 6.84 ft from inside high water mark affected by back water from debris; minimum discharge, 2.7 ft<sup>3</sup>/s Aug. 17, 30.

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	3.1	16	577	e62	51	43	22	17	e11	6.5	3.2	2.8
2	3.1	13	355	e75	48	40	21	17	e10	5.7	3.2	3.2
3	3.1	10	146	71	50	37	20	16	e10	5.2	3.1	3.1
4	3.2	9.8	96	67	47	35	20	15	e9.8	5.0	3.3	3.0
5	3.2	9.3	75	70	45	34	19	15	e9.3	4.8	3.9	2.9
6	3.1	8.6	71	158	91	32	18	14	e8.8	4.5	3.3	2.9
7	3.1	8.0	61	1020	156	32	18	15	e8.8	4.9	3.1	2.9
8	3.6	7.9	54	775	125	30	18	15	e8.7	5.4	3.0	3.7
9	3.3	7.8	47	319	88	32	20	14	e8.5	4.9	3.0	3.7
10	3.7	7.5	64	180	69	55	23	14	e8.3	4.6	3.1	3.5
11	4.1	7.4	60	125	59	200	23	13	e8.1	4.4	4.0	3.4
12	4.3	9.1	57	114	51	181	24	13	e7.5	4.3	3.2	3.4
13	4.2	20	165	101	46	137	28	13	e7.3	4.2	3.0	3.2
14	4.4	137	293	e78	42	91	49	12	e7.4	4.2	2.9	3.2
15	4.1	245	195	e66	39	67	47	12	e7.3	4.1	2.9	3.3
16	5.1	146	837	e56	38	56	41	12	e7.0	4.0	2.8	3.4
17	5.4	76	761	e52	37	47	41	13	e7.3	3.9	2.8	3.3
18	4.8	45	308	e50	36	44	34	13	e7.4	3.9	2.8	3.2
19	7.0	83	179	e49	39	45	31	12	7.8	3.8	2.8	3.1
20	5.4	167	123	e50	36	46	28	12	7.6	3.8	2.9	3.0
21	4.1	258	95	e43	81	42	26	12	7.2	4.6	2.9	2.9
22	5.3	346	78	e37	160	38	24	12	7.1	4.3	2.9	3.0
23	7.9	208	71	35	134	35	22	11	6.8	3.5	2.8	3.0
24	9.0	112	e64	46	94	33	21	11	6.5	3.2	2.8	3.0
25	10	66	e58	157	70	30	20	11	6.4	3.2	3.8	3.0
26	8.8	42	e53	132	58	28	20	11	6.3	3.3	3.5	3.0
27	17	29	e50	96	51	27	21	11	6.4	5.0	3.2	3.0
28	13	40	e52	75	46	25	20	12	8.0	4.9	2.9	3.0
29	9.5	149	e50	61	---	25	19	15	10	4.7	2.8	3.0
30	10	190	e49	53	---	24	18	14	7.8	4.0	2.8	3.0
31	19	---	e51	55	---	23	---	12	---	3.3	3.0	---
TOTAL	194.9	2473.4	5195	4328	1887	1614	756	409	240.4	136.1	95.7	94.1
MEAN	6.29	82.4	168	140	67.4	52.1	25.2	13.2	8.01	4.39	3.09	3.14
MAX	19	346	837	1020	160	200	49	17	11	6.5	4.0	3.7
MIN	3.1	7.4	47	35	36	23	18	11	6.3	3.2	2.8	2.8
AC-FT	387	4910	10300	8580	3740	3200	1500	811	477	270	190	187
CFSM	0.46	5.97	12.1	10.1	4.88	3.77	1.83	0.96	0.58	0.32	0.22	0.23
IN.	0.53	6.67	14.00	11.67	5.09	4.35	2.04	1.10	0.65	0.37	0.26	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002, BY WATER YEAR (WY)

MEAN	13.1	51.1	106	95.5	87.5	69.4	34.4	17.3	9.94	5.77	4.29	5.48
MAX	77.4	136	205	178	300	144	67.6	37.8	17.9	10.5	8.41	21.0
(WY)	1998	1976	1999	1999	1999	1997	1996	1996	2000	1997	1975	1978
MIN	3.36	4.23	8.03	9.65	15.0	27.5	11.1	9.32	5.05	3.57	2.48	2.56
(WY)	1988	1994	1977	1977	1977	1996	1977	1977	1989	1991	1994	1994

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1969 - 2002

ANNUAL TOTAL	12631.7	17423.6		
ANNUAL MEAN	34.6	47.7	42.2	
HIGHEST ANNUAL MEAN			82.1	1999
LOWEST ANNUAL MEAN			14.9	1977
HIGHEST DAILY MEAN	837	Dec 16	1020	Jan 7
LOWEST DAILY MEAN	2.9	Sep 15	2.8	Aug 16
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 12	2.8	Aug 14
ANNUAL RUNOFF (AC-FT)	25050	34560	30590	
ANNUAL RUNOFF (CFSM)	2.51	3.46	3.06	
ANNUAL RUNOFF (INCHES)	34.05	46.97	41.57	
10 PERCENT EXCEEDS	59	113	103	
50 PERCENT EXCEEDS	17	14	16	
90 PERCENT EXCEEDS	3.8	3.1	4.2	

e Estimated