



Figure 14. Location of surface-water stations in the Big Beef Creek Basin.

## 12069550 BIG BEEF CREEK NEAR SEABECK, WA

LOCATION.--Lat 47°38'27", long 122°47'02", in NW ¼ SE ¼ 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.--No estimated daily discharges. Records fair. Flow regulated by Lake Symington, 4.6 mi upstream. No diversions upstream from station.

AVERAGE DISCHARGE.--21 years (water years 1970-81, 1996-2004), 41.6 ft<sup>3</sup>/s, 40.96 in/yr, 30,140 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, 1,100 ft<sup>3</sup>/s, Oct. 20, gage height, 5.78 ft; minimum discharge, 2.8 ft<sup>3</sup>/s, Oct. 1, 2.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	27	80	56	97	43	27	12	8.6	4.9	3.2	3.3
2	2.9	28	73	52	95	39	25	12	7.9	4.5	3.2	3.2
3	2.9	27	74	48	96	38	24	11	7.3	4.3	3.3	3.1
4	3.0	25	67	43	82	36	22	11	6.8	4.0	3.5	3.2
5	3.1	24	108	39	71	38	21	11	6.6	3.5	3.5	3.1
6	3.2	23	178	39	75	37	20	11	6.3	3.5	6.1	3.1
7	3.3	22	134	74	78	40	19	11	6.0	3.5	4.5	3.1
8	4.1	21	104	206	69	40	18	11	6.0	3.4	4.0	3.1
9	3.8	21	84	177	62	38	18	11	6.0	4.9	3.9	3.2
10	3.7	20	78	144	57	36	17	12	5.7	4.9	3.7	3.6
11	4.1	20	73	117	53	35	17	14	5.5	4.4	3.5	6.0
12	6.4	19	83	96	49	34	16	13	5.9	4.0	3.6	3.8
13	4.6	19	90	87	46	32	16	12	6.9	3.8	3.6	3.9
14	4.6	19	97	89	54	31	16	10	6.4	3.7	3.4	3.7
15	6.9	20	86	97	64	30	16	10	6.2	3.7	3.3	3.9
16	18	36	96	85	75	29	16	10	5.6	3.6	3.3	3.9
17	148	50	105	73	87	29	15	11	5.5	3.5	3.2	4.3
18	90	255	86	67	86	29	15	10	5.2	3.4	3.2	5.5
19	42	415	75	62	74	28	16	10	5.0	3.4	3.2	5.7
20	436	179	73	57	65	27	20	9.9	5.4	3.4	3.2	5.7
21	609	105	66	52	59	27	24	10	6.7	3.4	3.5	5.2
22	231	77	59	48	54	26	21	10	6.2	3.4	4.7	5.3
23	129	65	55	47	50	26	19	9.9	5.8	3.4	4.3	5.2
24	85	62	80	46	49	32	17	9.7	5.6	3.4	4.3	5.0
25	64	73	97	43	49	45	16	9.5	5.4	3.4	4.3	4.6
26	53	69	80	40	51	66	16	9.9	4.6	3.4	4.2	4.3
27	47	56	78	38	52	71	15	14	4.1	3.4	4.0	4.3
28	43	89	80	43	49	50	13	17	5.7	3.4	3.6	4.3
29	38	145	72	64	46	41	12	14	5.3	3.3	3.3	7.2
30	33	102	63	139	---	35	12	11	4.6	3.3	3.2	6.4
31	29	---	59	110	---	30	---	9.5	---	3.3	3.1	---
TOTAL	2,154.4	2,113	2,633	2,378	1,894	1,138	539	347.4	178.8	115.4	114.9	130.2
MEAN	69.5	70.4	84.9	76.7	65.3	36.7	18.0	11.2	5.96	3.72	3.71	4.34
MAX	609	415	178	206	97	71	27	17	8.6	4.9	6.1	7.2
MIN	2.8	19	55	38	46	26	12	9.5	4.1	3.3	3.1	3.1
AC-FT	4,270	4,190	5,220	4,720	3,760	2,260	1,070	689	355	229	228	258
CFSM	5.04	5.10	6.15	5.56	4.73	2.66	1.30	0.81	0.43	0.27	0.27	0.31
IN.	5.81	5.70	7.10	6.41	5.11	3.07	1.45	0.94	0.48	0.31	0.31	0.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

MEAN	14.4	50.1	103	96.3	84.1	69.3	33.6	16.9	9.73	5.66	4.25	5.37
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	3.33	4.23	8.03	9.65	15.0	27.5	11.1	9.32	5.05	3.57	2.48	2.56
(WY)	(2003)	(1994)	(1977)	(1977)	(1977)	(1996)	(1977)	(1977)	(1989)	(1991)	(1994)	(1994)

## BIG BEEF CREEK BASIN

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	17,168.9		13,736.1		41.6	
ANNUAL MEAN	47.0		37.5		82.1	
HIGHEST ANNUAL MEAN					14.9	
LOWEST ANNUAL MEAN					1977	
HIGHEST DAILY MEAN	609	Oct 21	609	Oct 21	1,600	Jan 1, 1997
LOWEST DAILY MEAN	2.7	Sep 5	2.8	Oct 1	2.2	Aug 13, 1990
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 31	3.0	Oct 1	2.3	Aug 11, 1990
ANNUAL RUNOFF (AC-FT)	34,050		27,250		30,140	
ANNUAL RUNOFF (CFSM)	3.41		2.72		3.01	
ANNUAL RUNOFF (INCHES)	46.28		37.03		40.96	
10 PERCENT EXCEEDS	103		86		101	
50 PERCENT EXCEEDS	22		17		16	
90 PERCENT EXCEEDS	3.0		3.4		4.0	