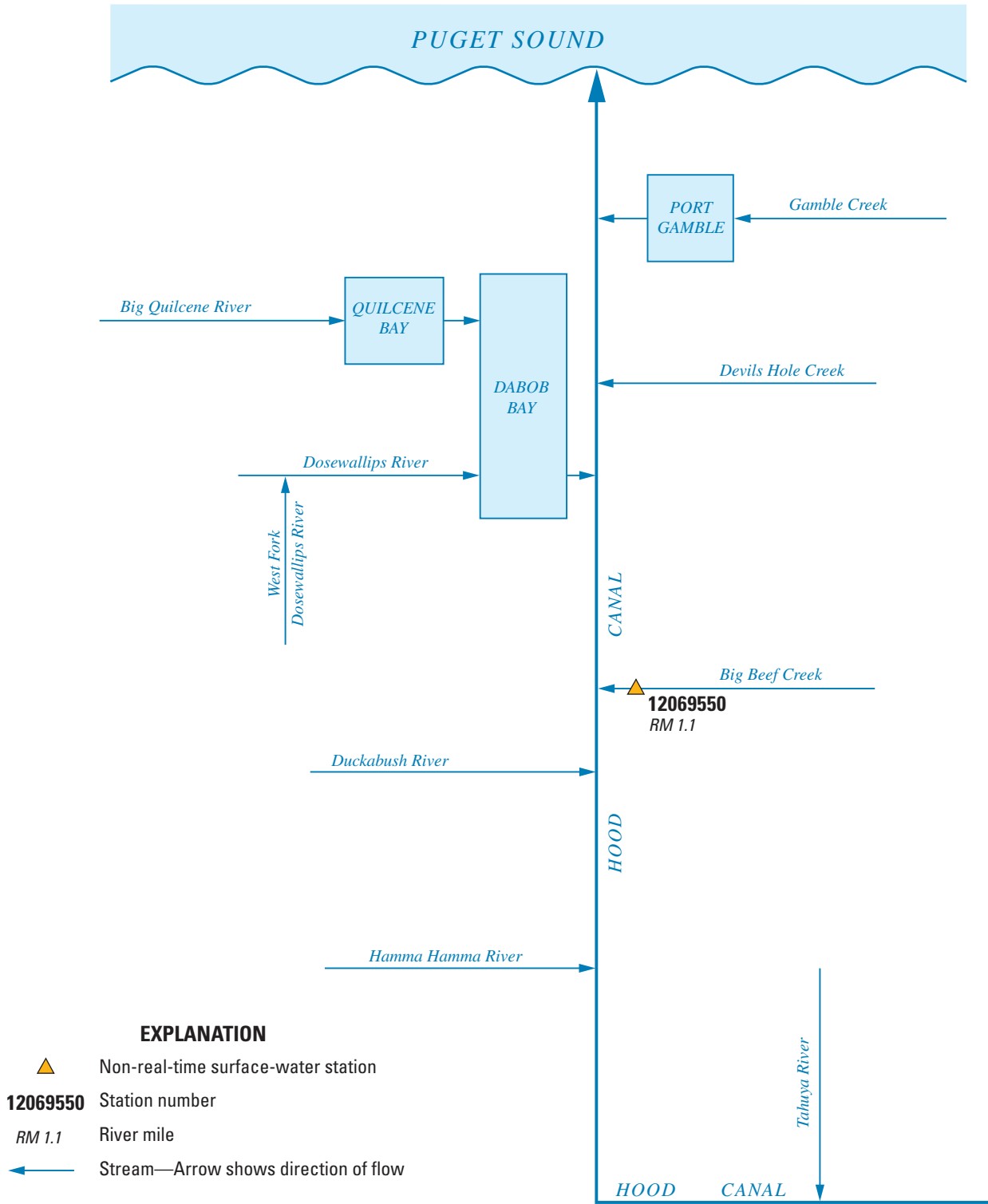


Figure 20. Location of surface-water stations in the Big Beef Creek Basin.



**Figure 21** Schematic diagram showing surface-water stations in the Big Beef Creek Basin.

## BIG BEEF CREEK BASIN

## 12069550 BIG BEEF CREEK NEAR SEABECK, WA

LOCATION.--Lat 47°38'27", long 122°47'02", in NW $\frac{1}{4}$ SE $\frac{1}{4}$  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.--Estimated daily discharges, Feb. 24, 25. Records fair except Feb. 22-Apr. 21, which are poor. Flow regulated by Lake William Symington, 4.6 mi upstream. No diversions upstream from station.

AVERAGE DISCHARGE.--22 years (water years 1970-81, 1996-2005), 40.8 ft<sup>3</sup>/s, 40.21 in/yr, 29,590 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, 334 ft<sup>3</sup>/s, Dec. 10, gage height, 3.99 ft; minimum discharge, 3.1 ft<sup>3</sup>/s, Sept. 28, 29.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	11	9.6	45	28	28	61	32	9.9	7.3	3.6	3.8
2	5.3	50	9.5	43	27	28	57	32	9.4	6.0	3.5	3.7
3	5.0	49	9.4	39	26	25	71	31	9.2	4.8	3.5	3.9
4	5.0	30	11	37	25	22	71	30	8.2	7.4	3.5	3.8
5	5.4	23	15	35	24	21	57	29	7.7	7.4	3.8	3.8
6	6.9	19	23	34	28	20	57	28	8.6	7.7	3.7	3.8
7	5.8	17	46	47	36	19	51	27	8.7	5.7	3.9	3.8
8	7.4	14	158	54	34	19	46	26	9.3	5.1	4.0	4.4
9	7.9	13	106	56	30	18	40	26	9.4	4.8	3.8	4.0
10	7.6	12	217	51	29	18	36	31	9.1	4.4	4.0	4.0
11	6.9	11	249	47	27	18	44	29	9.0	5.1	4.1	3.9
12	7.1	10	138	44	26	18	43	28	8.8	6.4	4.0	3.8
13	6.9	9.5	101	41	26	17	42	27	8.9	6.5	3.8	3.8
14	6.6	9.9	99	39	24	17	39	26	9.9	6.1	3.9	3.8
15	6.2	10	82	37	23	17	38	26	14	5.9	3.9	3.9
16	6.2	10	69	43	22	17	94	27	11	6.0	3.9	4.1
17	11	9.8	61	129	22	17	101	27	11	6.8	4.0	4.0
18	8.3	12	56	166	22	17	75	39	9.9	8.7	4.0	4.0
19	13	12	52	108	21	20	62	44	9.3	8.1	3.9	3.9
20	14	11	49	78	20	42	54	36	7.6	7.5	3.5	3.9
21	13	10	45	62	20	42	49	30	6.0	7.0	3.8	3.8
22	12	9.7	42	57	19	34	45	28	6.1	6.7	5.4	3.8
23	11	9.5	39	60	18	29	42	25	7.0	6.0	5.2	3.8
24	9.9	9.9	38	52	e19	25	39	21	9.1	4.7	4.3	3.7
25	9.5	11	49	46	e20	23	38	16	8.6	3.9	3.9	3.8
26	9.6	13	79	41	20	53	36	13	7.7	4.9	3.7	3.6
27	9.3	12	70	37	20	89	35	11	6.5	4.7	3.6	3.4
28	9.1	10	60	35	21	66	33	10	8.5	3.8	3.6	3.3
29	9.1	10	53	33	---	54	33	10	8.3	3.6	3.6	3.3
30	9.9	9.9	49	31	---	45	33	9.9	7.6	3.5	3.7	3.7
31	9.3	---	45	29	---	39	---	10	---	3.5	3.9	---
TOTAL	259.9	448.2	2,129.5	1,656	677	917	1,522	784.9	264.3	180.0	121.0	114.3
MEAN	8.38	14.9	68.7	53.4	24.2	29.6	50.7	25.3	8.81	5.81	3.90	3.81
MAX	14	50	249	166	36	89	101	44	14	8.7	5.4	4.4
MIN	5.0	9.5	9.4	29	18	17	33	9.9	6.0	3.5	3.5	3.3
AC-FT	516	889	4,220	3,280	1,340	1,820	3,020	1,560	524	357	240	227
CFSM	0.61	1.08	4.98	3.87	1.75	2.14	3.68	1.83	0.64	0.42	0.28	0.28
IN.	0.70	1.21	5.74	4.46	1.82	2.47	4.10	2.12	0.71	0.49	0.33	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	14.3	48.6	101	94.3	81.4	67.5	34.4	17.2	9.70	5.67	4.24	5.33
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)

## 12069550 BIG BEEF CREEK NEAR SEABECK, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	9,673.3		9,074.1		40.8	
ANNUAL MEAN	26.4		24.9		82.1	
HIGHEST ANNUAL MEAN					14.9	
LOWEST ANNUAL MEAN					1977	
HIGHEST DAILY MEAN	249	Dec 11	249	Dec 11	1,600	Jan 1, 1997
LOWEST DAILY MEAN	3.1	Aug 31	3.3	Sep 28	2.2	Aug 13, 1990
ANNUAL SEVEN-DAY MINIMUM	3.1	Sep 2	3.5	Jul 29	2.3	Aug 11, 1990
ANNUAL RUNOFF (AC-FT)	19,190		18,000		29,590	
ANNUAL RUNOFF (CFSM)	1.92		1.80		2.96	
ANNUAL RUNOFF (INCHES)	26.08		24.46		40.21	
10 PERCENT EXCEEDS	69		54		99	
50 PERCENT EXCEEDS	11		13		16	
90 PERCENT EXCEEDS	3.4		3.8		3.9	

e Estimated