

LAKE WASHINGTON BASIN

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12118400 ROCK CREEK AT STATE HIGHWAY 516, NEAR RAVENSDALE, WA

LOCATION.--Lat 47°21'45", long 122°00'35", in NE 1/4 SW 1/4 sec.26, T.22 N., R.6 E., on left bank in Parshall Flume, upstream of State Hwy 516, 1.5 mi northeast of Ravensdale, King Co.

DRAINAGE AREA.--11.2 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1956 to September 1962. May 2001 to current year. Published as "State Highway 5A" 1956-62.

GAGE.--Water-stage recorder. Elevation of gage is 530 ft above NGVD of 1929, from topographic map. Prior to May, 2001, recording gage at same site at different datum.

REMARKS.--Records good, except for discharges above 40 ft<sup>3</sup>/s and below 5 ft<sup>3</sup>/s, which are fair. Diversions by City of Kent upstream of gage for municipal use may effect flow.

AVERAGE DISCHARGE.--7 years (water years 1956-1962, 2002), 17.0 ft<sup>3</sup>/s, 20.58 in/yr, 12,290 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 114 ft<sup>3</sup>/s Dec. 16, 1959, gage height 2.89 ft datum then in use; minimum, 1.7 ft<sup>3</sup>/s Oct. 4, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft<sup>3</sup>/s Dec 17, 18, gage height 2.17 ft; minimum discharge, 1.7 ft<sup>3</sup>/s, Oct. 4.

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	2.0	4.0	19	26	35	33	28	18	7.5	4.2	4.8	4.2
2	2.3	3.5	20	25	36	32	26	17	7.3	4.1	4.5	4.2
3	2.0	3.2	20	23	35	30	25	16	7.2	3.9	4.7	3.8
4	1.9	3.1	20	22	35	30	24	16	7.0	4.1	5.3	3.2
5	1.9	3.3	21	24	33	30	23	16	7.0	4.1	4.6	2.9
6	2.1	3.5	20	22	33	27	23	15	6.7	4.1	4.7	3.1
7	2.1	3.8	19	24	32	25	22	14	6.6	3.9	4.6	3.6
8	2.0	4.1	20	25	33	24	21	14	6.4	4.2	4.0	4.3
9	2.0	4.1	20	25	33	23	21	14	6.3	6.2	3.8	4.0
10	2.8	3.8	19	25	33	22	21	13	6.2	5.6	4.5	3.7
11	3.1	3.6	19	25	32	23	22	13	6.1	4.9	4.2	3.6
12	3.2	4.1	19	25	32	24	22	13	6.0	3.8	3.9	3.3
13	3.2	4.4	25	24	32	26	26	12	6.2	3.8	4.6	3.4
14	3.2	9.3	33	23	30	30	33	12	5.8	3.4	3.9	3.6
15	3.3	11	35	23	30	28	34	12	6.0	3.5	2.9	4.3
16	3.5	7.4	38	22	29	26	34	11	6.3	3.4	3.6	4.0
17	3.1	6.7	41	21	29	26	33	11	5.9	3.6	3.3	3.7
18	3.1	6.5	42	21	28	25	32	11	6.1	4.4	3.1	3.7
19	3.2	6.6	41	22	27	26	31	10	6.0	3.7	3.2	3.7
20	3.1	6.8	40	22	25	34	30	10	5.9	3.9	3.5	3.5
21	3.1	7.9	40	22	27	40	28	9.9	5.1	3.6	3.6	3.5
22	3.1	9.0	39	22	30	40	26	9.7	5.0	3.3	3.2	3.4
23	3.0	11	37	22	33	39	25	9.4	5.0	4.4	2.9	3.4
24	3.2	12	36	23	35	38	24	9.2	4.6	4.1	3.4	3.5
25	3.4	12	36	29	e35	36	23	8.8	4.5	4.0	3.3	3.7
26	3.4	12	36	33	35	35	22	8.5	4.4	3.6	3.3	4.0
27	3.7	12	34	34	35	34	22	8.3	4.6	3.7	3.6	3.9
28	3.8	13	31	34	33	33	21	8.3	5.1	3.8	3.4	4.0
29	3.7	14	28	34	---	32	19	8.2	5.3	4.8	3.3	4.1
30	3.7	17	28	33	---	30	18	8.0	5.0	5.8	3.8	4.0
31	3.5	---	26	33	---	29	---	7.8	---	4.6	4.1	---
TOTAL	90.7	222.7	902	788	895	930	759	364.1	177.1	128.5	119.6	111.3
MEAN	2.93	7.42	29.1	25.4	32.0	30.0	25.3	11.7	5.90	4.15	3.86	3.71
MAX	3.8	17	42	34	36	40	34	18	7.5	6.2	5.3	4.3
MIN	1.9	3.1	19	21	25	22	18	7.8	4.4	3.3	2.9	2.9
AC-FT	180	442	1790	1560	1780	1840	1510	722	351	255	237	221
CFSM	0.26	0.66	2.60	2.27	2.85	2.68	2.26	1.05	0.53	0.37	0.34	0.33
IN.	0.30	0.74	3.00	2.62	2.97	3.09	2.52	1.21	0.59	0.43	0.40	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2002, BY WATER YEAR (WY)

	1956	1960	1962	1962	1962	1962	1962	1962	2001	2002	2001	2001
MEAN	6.23	12.6	25.0	26.6	32.5	28.9	22.6	16.0	11.0	8.23	6.64	5.72
MAX	11.7	29.0	48.7	46.5	56.9	51.8	30.7	26.0	16.5	11.3	8.92	7.92
(WY)	1960	1960	1960	1959	1961	1961	1961	1961	1960	1956	1956	1959
MIN	2.93	5.18	7.40	15.0	11.0	13.2	13.9	7.64	5.90	4.15	2.88	2.10
(WY)	2002	1962	1962	1962	1962	1962	1958	2001	2002	2002	2001	2001

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1956 - 2002

ANNUAL TOTAL	5488.0	
ANNUAL MEAN	15.0	17.0
HIGHEST ANNUAL MEAN		23.9
LOWEST ANNUAL MEAN		9.75
HIGHEST DAILY MEAN	42	Dec 18
LOWEST DAILY MEAN	1.9	Oct 4
ANNUAL SEVEN-DAY MINIMUM	2.0	Oct 3
ANNUAL RUNOFF (AC-FT)	10890	12290
ANNUAL RUNOFF (CFSM)	1.34	1.51
ANNUAL RUNOFF (INCHES)	18.23	20.58
10 PERCENT EXCEEDS	33	34
50 PERCENT EXCEEDS	9.4	12
90 PERCENT EXCEEDS	3.3	5.0

e Estimated