

Water-Data Report 2008

**12113347 MILL CREEK AT EARTHWORKS PARK, AT KENT, WA**

Puget Sound Basin  
Duwamish Subbasin

LOCATION.--Lat 47°23'00", long 122°13'25" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.19, T.22 N., R.5 E., King County, WA, Hydrologic Unit 17110013, at control-manhole of flood-detention basin in Earthworks Park, 250 ft upstream from Titus St., and 0.6 mi east of Kent City Hall.

DRAINAGE AREA.--2.49 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1994 to June 18, 2008.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is NGVD of 1929 (City of Kent benchmark).

REMARKS.--Records poor. Natural flow affected by urbanization and construction of flood-control catchments. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--13 years (water year 1995-2007), 3.86 ft<sup>3</sup>/s, 21.05 in/yr, 2,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Feb. 9, 1996, elevation, 47.52 ft, affected by backwater from debris caught on downstream culvert grates; maximum elevation, 48.05 ft, May 13, 1996, affected by backwater from debris caught on downstream culvert grates; minimum discharge, 0.31 ft<sup>3</sup>/s, July 5, 1995, Aug. 12, 1997, but may have been lower during periods of culvert maintenance.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53 ft<sup>3</sup>/s, Dec. 3, gage height, 44.93 ft; minimum discharge not determined, occurred when gage discontinued for construction.

## 12113347 MILL CREEK AT EARTHWORKS PARK, AT KENT, WA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.5	0.74	2.4	1.7	3.3	2.6	5.1	1.7	1.1	---	---	---
2	11	0.71	13	5.6	2.1	1.5	3.5	1.6	1.0	---	---	---
3	5.2	0.70	41	5.8	1.7	1.4	3.0	1.8	4.8	---	---	---
4	2.4	0.76	23	3.8	1.5	1.2	3.6	1.6	2.4	---	---	---
5	0.99	e0.75	13	3.2	3.1	1.1	3.0	1.4	2.5	---	---	---
6	0.85	e0.82	9.8	3.3	2.9	1.1	4.8	1.4	5.6	---	---	---
7	4.3	e0.79	7.1	2.9	4.5	1.1	4.5	1.4	4.4	---	---	---
8	3.7	0.75	4.4	6.4	6.8	1.2	3.8	1.4	2.2	---	---	---
9	1.3	1.2	3.1	4.0	9.5	1.0	3.4	1.4	2.9	---	---	---
10	5.3	2.8	2.5	13	9.8	1.6	2.8	1.5	2.6	---	---	---
11	2.3	1.4	2.0	10	6.0	1.8	2.4	1.5	1.6	---	---	---
12	1.0	2.3	1.7	9.2	4.1	1.1	2.3	1.4	1.4	---	---	---
13	0.89	1.5	2.5	5.2	3.1	3.9	2.2	2.1	1.3	---	---	---
14	0.79	1.1	1.7	6.2	2.6	5.3	3.2	1.5	1.2	---	---	---
15	0.90	5.2	2.5	4.0	2.3	4.3	3.6	1.3	1.1	---	---	---
16	0.86	6.5	1.5	3.1	2.1	2.5	2.4	1.3	1.0	---	---	---
17	2.4	7.2	2.0	2.6	1.9	2.3	2.1	1.3	1.0	---	---	---
18	2.1	3.9	5.0	2.3	1.8	1.7	2.0	1.2	e1.2	---	---	---
19	4.7	2.8	9.4	2.5	1.7	1.5	2.0	1.2	---	---	---	---
20	8.9	2.5	6.7	2.6	1.6	1.8	1.8	4.8	---	---	---	---
21	2.4	1.6	3.2	1.9	1.5	1.7	2.3	2.9	---	---	---	---
22	1.5	1.4	5.9	1.7	1.4	1.3	2.3	2.9	---	---	---	---
23	1.2	1.3	8.8	1.6	1.3	6.8	2.8	1.8	---	---	---	---
24	1.2	1.3	5.8	1.5	e1.3	4.0	1.8	1.4	---	---	---	---
25	1.1	1.3	4.6	1.4	e1.6	3.1	1.7	1.7	---	---	---	---
26	0.91	2.4	3.4	2.9	e2.0	5.3	1.6	1.3	---	---	---	---
27	0.84	2.1	6.1	2.1	e2.6	5.1	1.5	1.2	---	---	---	---
28	0.80	2.1	4.9	1.8	e2.4	6.1	4.2	1.2	---	---	---	---
29	0.80	1.7	3.6	2.5	e3.1	7.7	3.0	1.1	---	---	---	---
30	0.76	1.4	2.5	2.3	---	6.8	2.0	1.1	---	---	---	---
31	0.75	---	1.9	4.2	---	5.0	---	1.1	---	---	---	---
<b>Total</b>	76.64	61.02	205.0	121.3	89.6	92.9	84.7	50.5	---	---	---	---
<b>Mean</b>	2.47	2.03	6.61	3.91	3.09	3.00	2.82	1.63	---	---	---	---
<b>Max</b>	11	7.2	41	13	9.8	7.7	5.1	4.8	---	---	---	---
<b>Min</b>	0.75	0.70	1.5	1.4	1.3	1.0	1.5	1.1	---	---	---	---
<b>Ac-ft</b>	152	121	407	241	178	184	168	100	---	---	---	---
<b>Cfsm</b>	0.99	0.82	2.66	1.57	1.24	1.20	1.13	0.65	---	---	---	---
<b>In.</b>	1.14	0.91	3.06	1.81	1.34	1.39	1.27	0.75	---	---	---	---

12113347 MILL CREEK AT EARTHWORKS PARK, AT KENT, WA—Continued

