

Water-Data Report 2007

**12083000 MINERAL CREEK NEAR MINERAL, WA**

Puget Sound Basin  
Nisqually Subbasin

LOCATION.--Lat 46°44'40", long 122°08'36" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.35, T.15 N., R.5 E., Lewis County, WA, Hydrologic Unit 17110015, on right bank 0.3 mi downstream from railroad bridge, 2.3 mi northeast of Mineral, and at mile 1.3.

DRAINAGE AREA.--75.2 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 1942 to September 2006, October 2006 to March 2007 (seasonal records).

REVISED RECORDS.--WSP 1932: Drainage area. WRD WA-74: 1971(P),WDR-WA-06-1: 1990-91(M), 1996-97(M),2000-05(M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,340 ft above NGVD of 1929, from topographic map. Prior to May 14, 1987, at site 0.25 mi downstream at datum 1.90 ft lower. Prior to June 2000, at site 400 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--64 years (water years 1943-2006), 359 ft<sup>3</sup>/s, 64.95 in/yr, 260,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,740 ft<sup>3</sup>/s, Jan. 20, 1972, gage height, 10.87 ft, from rating curve extended above 3,400 ft<sup>3</sup>/s on basis of slope-area measurement of peak flows; minimum discharge, 13 ft<sup>3</sup>/s, Sept. 23-25, 1989, gage height, 6.93 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,080 ft<sup>3</sup>/s, Nov. 6, gage height, 14.84 ft; minimum discharge, 32 ft<sup>3</sup>/s, Oct. 3-6, 11-15, gage height, 8.00 ft.

## 12083000 MINERAL CREEK NEAR MINERAL, WA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	33	40	351	444	e175	351	---	---	---	---	---	---
2	33	49	306	938	e170	321	---	---	---	---	---	---
3	32	339	e270	2,280	e165	500	---	---	---	---	---	---
4	32	653	e265	1,550	177	584	---	---	---	---	---	---
5	32	567	e275	1,130	195	689	---	---	---	---	---	---
6	33	4,860	272	1,080	254	723	---	---	---	---	---	---
7	34	6,270	315	2,130	309	835	---	---	---	---	---	---
8	34	2,390	369	2,140	350	900	---	---	---	---	---	---
9	35	1,170	452	1,480	342	803	---	---	---	---	---	---
10	34	1,150	538	1,240	318	775	---	---	---	---	---	---
11	33	1,170	1,060	967	399	2,220	---	---	---	---	---	---
12	33	1,360	1,160	773	421	2,700	---	---	---	---	---	---
13	33	1,850	2,260	639	375	1,840	---	---	---	---	---	---
14	32	1,230	3,040	535	347	1,200	---	---	---	---	---	---
15	36	1,220	3,270	458	649	897	---	---	---	---	---	---
16	64	1,590	1,740	408	934	724	---	---	---	---	---	---
17	45	1,070	1,120	357	724	643	---	---	---	---	---	---
18	36	783	833	318	694	722	---	---	---	---	---	---
19	61	844	668	312	728	738	---	---	---	---	---	---
20	49	893	556	324	1,580	846	---	---	---	---	---	---
21	39	1,080	647	270	999	698	---	---	---	---	---	---
22	37	1,100	547	253	752	593	---	---	---	---	---	---
23	35	1,100	671	252	610	560	---	---	---	---	---	---
24	36	953	671	249	589	2,040	---	---	---	---	---	---
25	38	728	1,150	252	574	2,950	---	---	---	---	---	---
26	37	658	982	240	531	1,740	---	---	---	---	---	---
27	37	590	1,060	226	452	1,190	---	---	---	---	---	---
28	37	467	845	211	402	914	---	---	---	---	---	---
29	38	384	696	200	---	737	---	---	---	---	---	---
30	39	415	579	189	---	624	---	---	---	---	---	---
31	40	---	495	e180	---	588	---	---	---	---	---	---
<b>Total</b>	1,167	36,973	27,463	22,025	14,215	31,645	---	---	---	---	---	---
<b>Mean</b>	37.6	1,232	886	710	508	1,021	---	---	---	---	---	---
<b>Max</b>	64	6,270	3,270	2,280	1,580	2,950	---	---	---	---	---	---
<b>Min</b>	32	40	265	180	165	321	---	---	---	---	---	---
<b>Ac-ft</b>	2,310	73,340	54,470	43,690	28,200	62,770	---	---	---	---	---	---
<b>Cfsm</b>	0.50	16.4	11.8	9.45	6.75	13.6	---	---	---	---	---	---
<b>In.</b>	0.58	18.29	13.59	10.90	7.03	15.65	---	---	---	---	---	---

12083000 MINERAL CREEK NEAR MINERAL, WA—Continued

