



Water-Data Report 2008

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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1942 to September 2006, October 2006 to current year (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 ft³/s, 64.95 in/yr, 260,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,740 ft³/s, Jan. 20, 1972, gage height, 10.87 ft, from rating curve extended above 3,400 ft³/s on basis of slope-area measurement of peak flows; minimum discharge, 13 ft³/s, Sept. 23-25, 1989, gage height, 6.93 ft.

REVISIONS.--The daily value has been revised to e7,980 ft³/s, February 8, 1996. This supersedes the daily value published in WDR WA-96-1.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,910 ft³/s, Dec. 3, gage height, 13.74 ft; minimum discharge, 61 ft³/s, Oct. 15, 16, Nov. 7-9, gage height, 8.44 ft.

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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	90	73	130	232	e220	830	---	---	---	---	---	---
2	166	71	293	321	e195	682	---	---	---	---	---	---
3	201	68	4,440	451	e180	571	---	---	---	---	---	---
4	142	67	3,460	588	e170	504	---	---	---	---	---	---
5	94	66	1,970	607	e165	433	---	---	---	---	---	---
6	77	64	1,160	464	149	385	---	---	---	---	---	---
7	79	62	803	378	230	354	---	---	---	---	---	---
8	96	61	599	351	281	351	---	---	---	---	---	---
9	80	62	477	e410	409	340	---	---	---	---	---	---
10	78	119	396	e630	619	361	---	---	---	---	---	---
11	77	94	331	e1,540	630	592	---	---	---	---	---	---
12	73	363	282	e1,270	517	559	---	---	---	---	---	---
13	69	425	245	e1,120	482	596	---	---	---	---	---	---
14	65	235	219	e865	396	784	---	---	---	---	---	---
15	62	205	265	e700	335	746	---	---	---	---	---	---
16	63	701	244	e600	292	620	---	---	---	---	---	---
17	75	683	241	529	250	541	---	---	---	---	---	---
18	97	620	353	446	232	556	---	---	---	---	---	---
19	197	493	649	387	252	543	---	---	---	---	---	---
20	351	377	713	335	272	504	---	---	---	---	---	---
21	368	295	482	e300	280	453	---	---	---	---	---	---
22	234	238	439	e280	283	398	---	---	---	---	---	---
23	174	202	686	e260	283	446	---	---	---	---	---	---
24	144	177	1,000	218	280	503	---	---	---	---	---	---
25	126	160	702	195	314	437	---	---	---	---	---	---
26	107	151	553	e205	350	415	---	---	---	---	---	---
27	96	161	447	e200	360	369	---	---	---	---	---	---
28	89	143	407	e180	403	343	---	---	---	---	---	---
29	84	148	359	e165	509	323	---	---	---	---	---	---
30	79	137	316	e160	---	286	---	---	---	---	---	---
31	76	---	261	e190	---	261	---	---	---	---	---	---
Total	3,809	6,721	22,922	14,577	9,338	15,086	---	---	---	---	---	---
Mean	123	224	739	470	322	487	---	---	---	---	---	---
Max	368	701	4,440	1,540	630	830	---	---	---	---	---	---
Min	62	61	130	160	149	261	---	---	---	---	---	---
Ac-ft	7,560	13,330	45,470	28,910	18,520	29,920	---	---	---	---	---	---
Cfsm	1.63	2.98	9.83	6.25	4.28	6.47	---	---	---	---	---	---
In.	1.88	3.32	11.34	7.21	4.62	7.46	---	---	---	---	---	---

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