

Water-Data Report 2011

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), WRD-WA-08-1: 1996.

GAGE.--Water-stage recorder. 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 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,260 ft³/s, Dec. 12, gage height, 12.84 ft; minimum discharge, 40 ft³/s, Oct. 7-9 gage height, 8.62 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	48	1,080	962	435	476	260	1,920	---	---	---	---	---
2	47	1,520	627	386	423	314	1,620	---	---	---	---	---
3	45	747	458	346	389	312	1,220	---	---	---	---	---
4	44	463	361	316	394	287	1,050	---	---	---	---	---
5	44	330	302	311	396	331	1,170	---	---	---	---	---
6	43	279	266	346	405	312	1,090	---	---	---	---	---
7	41	593	268	401	472	284	850	---	---	---	---	---
8	41	485	470	444	440	274	684	---	---	---	---	---
9	45	435	1,060	397	396	773	586	---	---	---	---	---
10	172	370	1,270	357	360	2,430	540	---	---	---	---	---
11	109	312	1,090	325	333	1,510	824	---	---	---	---	---
12	76	294	2,960	1,150	335	1,030	715	---	---	---	---	---
13	66	258	3,270	3,160	426	934	619	---	---	---	---	---
14	60	418	2,660	2,780	439	1,160	616	---	---	---	---	---
15	58	452	1,830	2,380	509	1,220	658	---	---	---	---	---
16	54	754	1,280	3,240	456	1,380	762	---	---	---	---	---
17	52	952	941	3,410	408	1,040	726	---	---	---	---	---
18	50	1,110	744	2,300	366	830	626	---	---	---	---	---
19	48	779	606	1,520	330	689	536	---	---	---	---	---
20	47	569	511	1,120	300	575	470	---	---	---	---	---
21	46	441	442	1,350	280	514	419	---	---	---	---	---
22	46	368	392	1,300	266	474	374	---	---	---	---	---
23	47	e295	350	1,040	252	418	347	---	---	---	---	---
24	105	e250	345	882	235	393	344	---	---	---	---	---
25	851	214	611	765	210	401	466	---	---	---	---	---
26	711	290	515	659	200	381	553	---	---	---	---	---
27	580	318	522	582	212	393	554	---	---	---	---	---
28	375	261	1,040	556	303	411	594	---	---	---	---	---
29	292	223	806	629	---	516	528	---	---	---	---	---
30	235	625	621	595	---	1,200	475	---	---	---	---	---
31	312	---	504	539	---	2,210	---	---	---	---	---	---
Total	4,790	15,485	28,084	34,021	10,011	23,256	21,936	---	---	---	---	---
Mean	155	516	906	1,097	358	750	731	---	---	---	---	---
Max	851	1,520	3,270	3,410	509	2,430	1,920	---	---	---	---	---
Min	41	214	266	311	200	260	344	---	---	---	---	---
Ac-ft	9,500	30,710	55,700	67,480	19,860	46,130	43,510	---	---	---	---	---
Cfsm	2.05	6.86	12.0	14.6	4.75	9.98	9.72	---	---	---	---	---
In.	2.37	7.66	13.89	16.83	4.95	11.50	10.85	---	---	---	---	---

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