

Water-Data Report 2007

12438900 NINEMILE CREEK NEAR OROVILLE, WA

Upper Columbia Basin
Okanogan Subbasin

LOCATION.--Lat 48°58'12", long 119°24'16" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.14, T.40 N., R.27 E., Okanogan County, WA, Hydrologic Unit 17020006, on left bank, .6 miles upstream from Eastlake Road, 3.5 miles N-NE from Oroville town center, and 1.1 miles upstream from mouth.

DRAINAGE AREA.--12.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2006 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,070 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for discharges above 5.36 ft³/s which are poor. No known regulation. May be small diversions above station for irrigation. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft³/s, March 12, 2007, gage height, 2.21 ft, from rating curve extended above 5.36 ft³/s; minimum discharge, .25 ft³/s, part of each day, Oct. 12-15, November 6 and June 14-22, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22 ft³/s, Mar. 12, gage height, 2.21 ft from rating curve extended above 5.36 ft³/s; minimum discharge, 0.25 ft³/s, part of each day, October 12-15, November 6, and June 14-22.

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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	0.33	0.39	e0.40	e0.66	0.80	1.2	2.6	0.69	0.38	0.36	0.40	0.30
2	0.33	0.40	e0.41	0.78	0.83	1.1	2.4	0.78	0.37	0.35	0.40	0.31
3	0.33	0.38	e0.42	0.86	0.85	1.4	2.1	1.6	0.35	0.36	0.42	0.32
4	0.32	0.39	e0.43	0.82	0.84	1.3	2.2	1.5	0.39	0.35	0.37	0.32
5	0.31	0.35	e0.42	0.74	0.81	1.5	2.2	1.3	0.42	0.32	0.35	0.30
6	0.32	0.39	e0.43	0.83	0.82	2.0	2.2	1.1	0.31	0.30	0.37	0.32
7	0.33	0.40	e0.44	0.88	0.83	2.4	2.2	1.0	0.28	0.30	0.36	0.34
8	0.34	0.41	e0.44	0.85	0.83	2.5	1.3	0.60	0.28	0.28	0.34	0.35
9	0.31	0.44	e0.44	0.96	0.91	2.4	1.5	0.54	0.28	0.28	0.34	0.35
10	0.30	0.50	e0.44	0.92	1.3	2.4	1.7	0.51	0.27	0.29	0.34	0.35
11	0.29	0.49	e0.44	e0.87	1.4	3.1	1.1	0.47	0.27	0.30	0.37	0.34
12	0.28	0.50	e0.44	e0.83	1.9	14	0.82	0.50	0.27	0.30	0.35	0.31
13	0.28	0.59	e0.44	e0.84	1.9	10	0.72	0.46	0.27	0.30	0.33	0.29
14	0.28	0.53	e0.44	0.85	1.5	8.1	0.70	0.44	0.27	0.29	0.32	0.29
15	0.30	0.57	e0.44	0.83	1.4	5.4	0.73	0.52	0.26	0.29	0.32	0.29
16	0.31	0.55	0.44	0.88	1.3	4.7	0.84	0.46	0.26	0.28	0.31	0.29
17	0.29	0.54	0.44	0.89	1.4	4.4	0.87	0.47	0.26	0.29	0.32	0.28
18	0.29	0.54	0.44	0.91	1.5	5.5	0.68	0.52	0.26	0.34	0.32	0.29
19	0.28	0.54	0.44	1.0	1.5	5.9	0.71	0.48	0.26	0.39	0.33	0.29
20	0.28	0.53	0.44	1.1	1.4	5.4	0.68	0.54	0.26	0.43	0.31	0.30
21	0.29	0.54	0.45	1.1	1.2	4.2	0.68	0.45	0.26	0.40	0.30	0.31
22	0.28	0.54	0.44	1.0	1.3	3.8	0.64	0.43	0.26	0.41	0.30	0.33
23	0.29	0.55	0.44	0.98	1.2	3.7	0.58	0.43	0.27	0.42	0.30	0.32
24	0.28	0.54	0.44	0.98	1.2	4.5	0.58	0.42	0.28	0.40	0.30	0.31
25	0.28	0.53	0.44	0.96	1.3	6.4	0.58	0.42	0.31	0.37	0.30	0.31
26	0.28	0.54	0.45	0.86	1.4	4.6	0.58	0.41	0.33	0.37	0.30	0.32
27	0.28	e0.48	0.45	0.85	1.4	3.6	0.60	0.42	0.33	0.41	0.30	0.32
28	0.27	e0.44	e0.45	0.78	1.4	3.1	0.68	0.42	0.32	0.41	0.28	0.38
29	0.31	e0.40	e0.44	0.77	---	2.9	0.68	0.41	0.37	0.40	0.28	0.36
30	0.38	e0.40	e0.46	0.76	---	2.9	0.71	0.40	0.34	0.39	0.29	0.36
31	0.37	---	e0.56	0.79	---	2.9	---	0.38	---	0.39	0.29	---
Total	9.41	14.39	13.69	27.13	34.42	127.3	34.56	19.07	9.04	10.77	10.21	9.55
Mean	0.30	0.48	0.44	0.88	1.23	4.11	1.15	0.62	0.30	0.35	0.33	0.32
Max	0.38	0.59	0.56	1.1	1.9	14	2.6	1.6	0.42	0.43	0.42	0.38
Min	0.27	0.35	0.40	0.66	0.80	1.1	0.58	0.38	0.26	0.28	0.28	0.28
Ac-ft	19	29	27	54	68	252	69	38	18	21	20	19

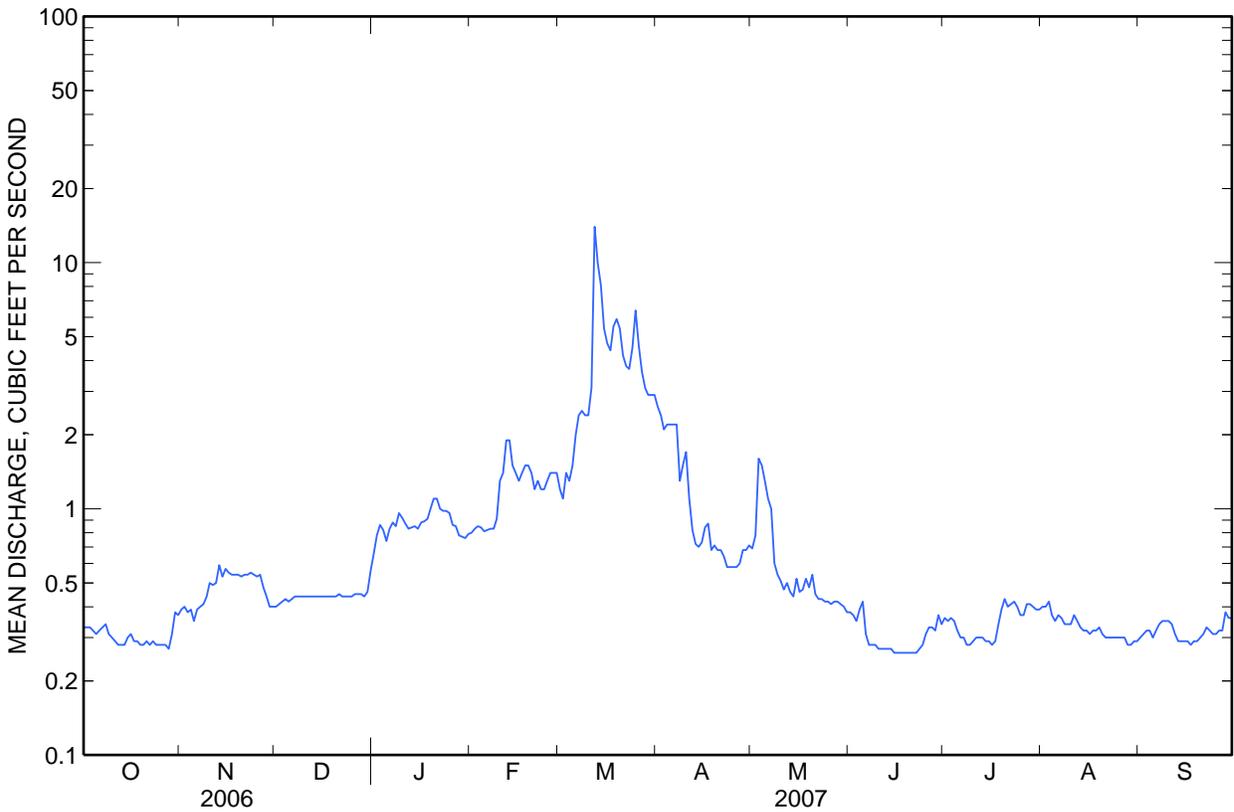
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.30	0.48	0.44	0.88	1.23	4.11	1.15	0.62	0.30	0.35	0.31	0.32
Max	0.30	0.48	0.44	0.88	1.23	4.11	1.15	0.62	0.30	0.35	0.33	0.32
(WY)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2006)
Min	0.30	0.48	0.44	0.88	1.23	4.11	1.15	0.62	0.30	0.35	0.30	0.32
(WY)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2006)	(2007)

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SUMMARY STATISTICS

	Water Year 2007		Water Years 2006 - 2007	
Annual total	319.54			
Annual mean	0.88		0.88	
Highest annual mean			0.88	2007
Lowest annual mean			0.88	2007
Highest daily mean	14	Mar 12	14	Mar 12, 2007
Lowest daily mean	0.26	Jun 15	0.26	Jun 15, 2007
Annual seven-day minimum	0.26	Jun 15	0.26	Jun 15, 2007
Annual runoff (ac-ft)	634		634	
10 percent exceeds	1.6		1.6	
50 percent exceeds	0.44		0.44	
90 percent exceeds	0.29		0.29	



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WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February to September, 2007.

INSTRUMENTATION.--Water temperature recorder since February, 2007.

REMARKS.--Records excellent except Apr. 20 - May 21, June 2-6, Aug. 23 - Sept. 30 which are good and Aug. 8-22 are fair.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 18.4°C, July 23; minimum, 0.7°C, March 15.

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	4.4	1.8	2.9	8.8	3.2	5.9	11.1	9.9	10.4
2	---	---	---	4.5	1.1	2.4	8.3	3.2	5.2	11.3	9.0	10.4
3	---	---	---	5.1	2.7	3.8	8.4	1.8	4.8	11.3	8.0	9.4
4	---	---	---	5.4	3.8	4.6	8.2	3.7	5.8	11.1	6.9	8.9
5	---	---	---	5.7	4.5	5.0	10.1	4.0	7.0	11.8	6.5	9.1
6	---	---	---	7.7	4.1	5.5	12.8	5.2	8.5	12.3	7.6	9.8
7	5.2	4.0	4.5	7.0	3.1	5.0	13.7	6.0	9.5	14.0	9.1	11.3
8	5.0	3.8	4.3	6.9	2.3	4.5	12.4	6.9	9.7	15.0	9.7	12.2
9	5.4	4.1	4.5	7.9	2.7	5.0	10.8	6.8	9.6	13.5	9.3	11.5
10	5.4	2.4	3.9	6.5	3.5	5.1	9.4	4.1	6.7	13.6	8.8	11.2
11	4.3	2.9	3.7	9.0	5.2	6.6	10.3	3.8	6.9	14.0	9.2	11.5
12	5.4	2.7	3.6	7.9	3.0	5.3	11.0	4.6	7.8	14.1	10.1	12.1
13	5.2	3.1	3.7	5.8	1.1	3.0	9.6	6.7	8.3	13.2	11.1	12.0
14	4.1	3.2	3.6	5.2	1.1	2.5	11.2	7.9	9.3	13.6	9.2	11.4
15	4.5	3.2	3.8	5.5	0.7	2.5	11.3	5.6	8.3	14.5	9.7	12.0
16	5.6	2.7	3.9	6.1	3.0	4.2	10.3	6.7	8.3	14.5	10.7	12.6
17	6.3	3.0	4.5	7.8	3.2	5.3	10.6	5.8	8.1	14.5	10.8	12.7
18	6.0	3.0	4.5	8.2	4.3	6.1	11.2	5.6	8.3	13.8	10.0	12.0
19	5.2	2.5	3.7	7.6	5.1	6.3	11.1	6.0	8.4	13.0	10.6	11.8
20	5.9	3.0	4.2	8.2	3.3	5.9	11.3	5.7	8.3	12.8	8.5	10.7
21	4.9	1.7	3.1	7.1	1.2	3.8	10.3	5.9	8.2	13.3	9.4	11.4
22	4.7	3.0	3.6	7.4	4.0	5.4	12.3	8.0	9.8	14.3	9.2	11.7
23	4.7	3.0	3.7	8.0	3.6	6.0	13.3	7.6	10.3	14.1	9.5	11.9
24	4.7	2.3	3.5	9.5	6.3	7.6	13.7	9.7	11.4	13.8	9.2	11.6
25	5.0	3.4	4.1	8.7	4.4	6.8	11.8	9.3	10.4	14.2	9.6	11.9
26	5.9	3.6	4.4	8.1	2.0	4.8	10.5	7.3	9.1	14.9	10.6	12.7
27	5.3	3.0	3.9	9.4	4.6	6.4	12.7	8.5	10.6	14.5	11.5	13.0
28	5.3	3.1	3.9	9.5	3.0	5.8	12.7	9.4	11.0	14.6	10.9	12.6
29	---	---	---	10.0	3.2	6.3	12.0	8.8	10.2	15.1	9.8	12.5
30	---	---	---	11.2	5.0	7.7	12.0	7.3	9.6	16.1	11.1	13.5
31	---	---	---	10.3	6.2	7.8	---	---	---	16.6	11.4	14.0
Month	---	---	---	11.2	0.7	5.2	13.7	1.8	8.5	16.6	6.5	11.6

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	17.0	12.0	14.4	---	---	---	16.8	12.5	14.7	15.3	11.8	13.7
2	17.4	12.2	14.7	---	---	---	17.4	12.6	15.0	15.1	12.0	13.6
3	17.7	12.8	15.2	---	---	---	17.0	13.5	15.3	15.3	12.4	13.8
4	15.8	14.3	14.9	---	---	---	16.8	13.3	15.1	16.1	12.3	14.2
5	14.4	12.8	13.6	---	---	---	17.0	13.4	15.3	15.9	12.5	14.2
6	---	---	---	---	---	---	17.0	13.5	15.3	15.3	12.6	14.1
7	---	---	---	---	---	---	16.9	13.8	15.4	13.8	11.3	12.6
8	---	---	---	---	---	---	16.8	13.6	15.4	14.0	10.0	11.9
9	---	---	---	---	---	---	16.4	12.9	14.7	14.0	10.2	12.0
10	---	---	---	---	---	---	16.1	13.0	14.5	14.6	10.1	12.3
11	---	---	---	---	---	---	15.6	11.4	13.6	15.0	10.7	12.8
12	---	---	---	---	---	---	15.6	12.5	14.1	15.2	11.3	13.2
13	---	---	---	---	---	---	16.0	11.9	13.9	14.7	11.0	12.8
14	---	---	---	---	---	---	16.6	12.3	14.4	14.5	10.3	12.4
15	---	---	---	---	---	---	17.0	12.7	14.9	14.6	10.1	12.3
16	---	---	---	---	---	---	17.7	13.1	15.4	13.7	10.7	12.3
17	---	---	---	---	---	---	16.6	13.6	15.1	13.5	10.0	11.8
18	---	---	---	---	---	---	15.8	12.5	14.2	13.0	10.8	11.9
19	---	---	---	---	---	---	14.9	13.5	14.2	13.0	10.4	11.7
20	---	---	---	15.3	12.8	14.1	14.5	12.4	13.5	11.9	9.7	10.7
21	---	---	---	16.4	13.0	14.7	15.8	12.9	14.2	12.7	8.6	10.7
22	---	---	---	17.0	14.6	15.7	15.9	12.7	14.3	12.2	10.2	11.4
23	---	---	---	18.4	14.1	16.2	16.1	12.6	14.4	11.9	8.5	10.1
24	---	---	---	17.3	14.4	16.0	16.6	12.0	14.3	11.6	7.7	9.7
25	---	---	---	17.4	13.2	15.3	15.7	12.6	14.3	12.5	9.3	10.8
26	---	---	---	17.8	13.3	15.5	15.2	13.2	14.2	12.5	8.9	10.6
27	---	---	---	18.2	14.1	16.0	14.6	11.1	13.0	12.8	9.6	11.2
28	---	---	---	18.1	14.0	15.9	15.1	10.7	12.9	12.2	9.4	11.2
29	---	---	---	18.0	14.6	16.3	15.9	11.1	13.4	10.5	7.3	9.1
30	---	---	---	17.1	13.8	15.6	16.8	11.8	14.3	10.5	10.0	10.2
31	---	---	---	16.7	12.6	14.8	16.1	13.2	14.8	---	---	---
Month	---	---	---	---	---	---	17.7	10.7	14.5	16.1	7.3	12.0