

Water-Data Report 2008

10353750 Mahogany Creek Near Summit Lake, NV

Black Rock Desert Basin
Lower Quinn Subbasin

LOCATION.--Lat 41°32'35.04", long 119°00'24.29" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec.21, T.42 N., R.26 E., Humboldt County, NV, Hydrologic Unit 16040202, on right bank, 2.8 mi northeast of Summit Lake, and 78 mi north of Gerlach.

DRAINAGE AREA.--13.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jul 1987 to Nov 2008 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,080 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50 ft³/s, Jun 05, 1995, gage height, 5.34 ft; maximum gage height, 5.64 ft, Feb 28, 2006; minimum daily, 0.32 ft³/s, Aug 01, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15 ft³/s, May 29, gage height, 4.81 ft; minimum daily discharge, 0.89 ft³/s, Sep 16.

EXTREMES FOR PERIOD OCT TO NOV 2008.--Maximum discharge, 2.9 ft³/s, Nov 2, gage height, 4.37 ft; minimum daily discharge, 1.0 ft³/s, Oct 1.

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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	1.4	1.8	e1.4	e1.5	1.6	1.9	2.0	4.2	11	3.9	1.4	1.1
2	1.3	1.7	1.3	1.5	1.6	1.7	2.1	4.1	11	3.7	1.4	1.1
3	1.2	1.7	1.4	1.5	1.6	1.7	2.2	4.2	11	3.5	1.4	1.1
4	1.3	1.7	1.6	1.6	1.6	1.7	2.2	4.4	11	3.4	1.3	1.0
5	1.3	1.6	1.6	1.6	1.6	1.6	2.2	4.7	11	3.3	1.3	1.0
6	1.3	1.6	1.6	1.6	1.6	1.6	2.2	5.3	10	3.3	1.2	1.00
7	1.3	1.6	1.6	1.6	1.6	1.7	2.2	5.7	9.3	3.1	1.2	0.98
8	1.3	1.6	1.6	1.6	1.6	1.7	2.2	5.4	8.7	3.0	1.2	0.97
9	1.3	1.7	e1.6	1.6	1.6	1.7	2.2	5.4	8.4	2.7	1.1	0.92
10	1.3	1.6	1.6	1.6	1.6	1.7	2.2	5.5	8.2	2.6	1.2	0.96
11	1.3	1.8	1.6	1.6	1.6	1.8	2.4	5.6	8.1	2.6	1.2	0.97
12	1.3	1.6	1.5	1.6	1.7	1.8	2.7	5.5	7.8	2.5	1.1	0.97
13	1.4	1.8	1.5	1.6	1.7	1.9	3.1	5.5	7.7	2.4	1.1	0.94
14	1.4	1.7	1.5	1.6	1.7	1.8	3.5	5.8	7.3	2.4	1.1	0.93
15	1.4	1.7	1.5	1.6	1.7	1.8	3.3	6.0	7.1	2.2	1.0	0.91
16	1.5	1.6	1.5	e1.6	1.7	1.7	2.9	6.3	7.0	2.1	1.0	0.89
17	1.6	1.7	1.5	e1.5	1.6	1.7	3.0	6.8	6.7	2.1	1.0	0.93
18	1.6	1.6	1.5	1.5	1.6	1.9	3.5	7.2	6.5	2.0	1.0	0.96
19	1.8	1.7	1.5	1.5	1.7	2.0	3.7	7.7	6.3	2.0	1.1	0.97
20	2.0	1.4	1.5	1.5	1.7	1.9	3.4	8.1	6.0	1.9	1.1	1.1
21	1.6	1.3	e1.6	1.5	1.7	1.8	3.2	8.3	5.8	1.9	1.1	1.2
22	1.6	1.4	e1.6	1.5	1.7	1.8	3.2	8.4	5.6	2.0	1.1	1.4
23	1.6	1.3	1.6	1.5	1.7	2.0	3.2	8.6	5.4	1.8	1.0	1.2
24	1.6	1.4	1.7	1.5	1.7	2.2	3.1	8.5	5.2	1.8	0.99	1.1
25	1.6	1.5	e1.7	1.5	1.7	2.3	3.2	8.3	5.0	1.7	0.95	1.0
26	1.6	1.5	1.6	1.5	1.7	2.2	3.5	8.6	4.7	1.6	1.1	1.0
27	1.6	1.6	1.5	1.6	1.7	2.1	3.9	9.7	4.4	1.6	1.1	1.0
28	1.6	1.5	1.5	e1.6	1.8	2.0	4.5	11	4.2	1.5	1.0	1.0
29	2.0	1.5	1.5	1.6	1.9	2.0	4.8	12	4.2	1.5	0.97	1.0
30	2.5	1.5	1.5	1.6	---	2.0	4.5	12	4.1	1.5	0.91	1.0
31	2.0	---	e1.5	1.6	---	1.9	---	12	---	1.5	1.0	---
Total	47.6	47.7	47.7	48.3	48.3	57.6	90.3	220.8	218.7	73.1	34.62	30.60
Mean	1.54	1.59	1.54	1.56	1.67	1.86	3.01	7.12	7.29	2.36	1.12	1.02
Max	2.5	1.8	1.7	1.6	1.9	2.3	4.8	12	11	3.9	1.4	1.4
Min	1.2	1.3	1.3	1.5	1.6	1.6	2.0	4.1	4.1	1.5	0.91	0.89
Ac-ft	94	95	95	96	96	114	179	438	434	145	69	61

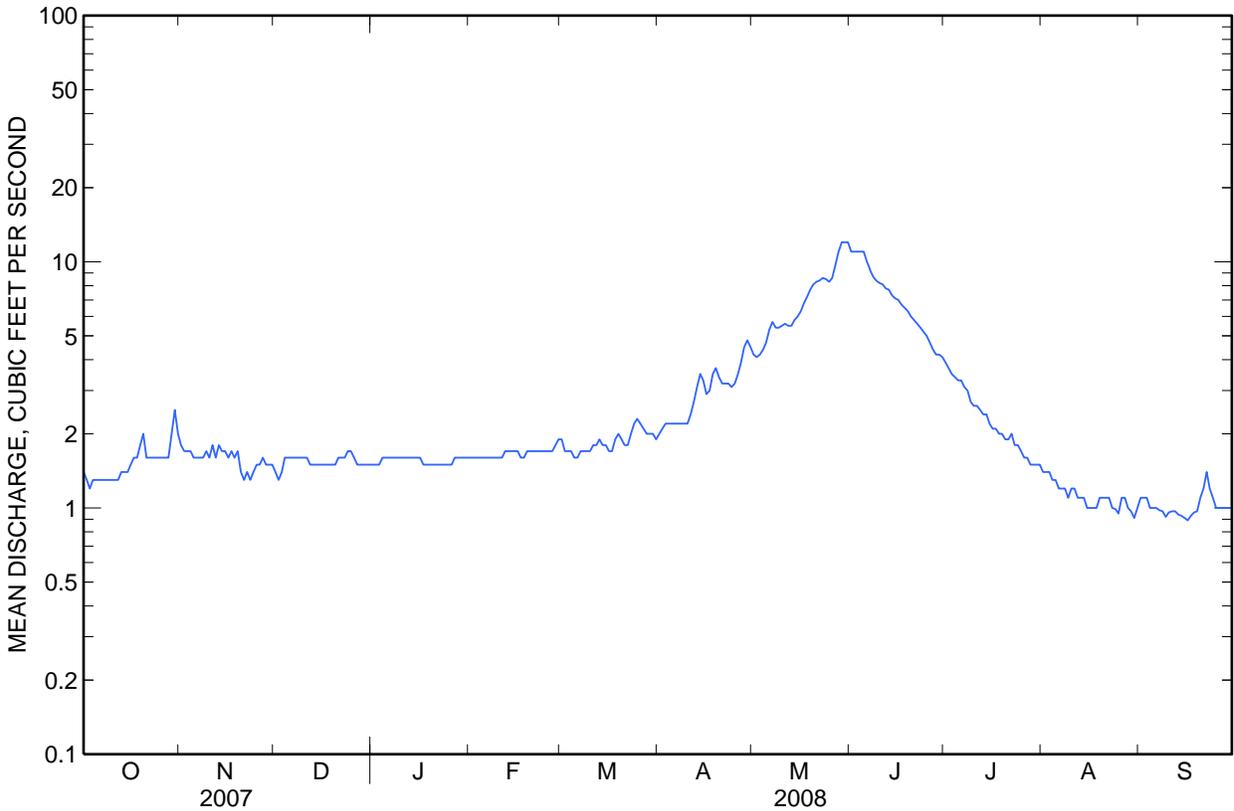
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.79	1.84	1.74	1.79	1.88	2.53	4.17	9.72	8.22	3.50	1.76	1.55
Max	3.90	3.87	3.57	3.55	3.25	3.96	13.6	30.0	29.2	13.7	5.41	4.33
(WY)	(1999)	(1999)	(1999)	(1997)	(1999)	(1999)	(2006)	(2006)	(1998)	(1998)	(1998)	(1998)
Min	0.83	0.90	0.90	1.04	1.28	1.42	1.85	1.36	0.82	0.55	0.39	0.46
(WY)	(1993)	(1993)	(1995)	(1993)	(1989)	(1991)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)

10353750 Mahogany Creek Near Summit Lake, NV—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1987 - 2008	
Annual total	679.75		965.32			
Annual mean	1.86		2.64		3.38	
Highest annual mean					8.41	1998
Lowest annual mean					1.21	1992
Highest daily mean	3.5	Mar 12	12	May 29	47	Jun 5, 1995
Lowest daily mean	0.61	Aug 1	0.89	Sep 16	0.32	Aug 1, 1992
Annual seven-day minimum	0.63	Jul 29	0.93	Sep 12	0.33	Jul 31, 1992
Maximum peak flow			15	May 29	50	Jun 5, 1995
Maximum peak stage			4.81	May 29	5.64	Feb 28, 2006
Annual runoff (ac-ft)	1,350		1,910		2,450	
10 percent exceeds	3.0		6.0		6.1	
50 percent exceeds	1.7		1.6		2.0	
90 percent exceeds	0.80		1.1		1.0	



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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.0	1.6	---	---	---	---	---	---	---	---	---	---
2	1.1	2.2	---	---	---	---	---	---	---	---	---	---
3	1.2	1.8	---	---	---	---	---	---	---	---	---	---
4	1.7	1.7	---	---	---	---	---	---	---	---	---	---
5	1.4	1.6	---	---	---	---	---	---	---	---	---	---
6	1.3	---	---	---	---	---	---	---	---	---	---	---
7	1.2	---	---	---	---	---	---	---	---	---	---	---
8	1.3	---	---	---	---	---	---	---	---	---	---	---
9	1.3	---	---	---	---	---	---	---	---	---	---	---
10	1.4	---	---	---	---	---	---	---	---	---	---	---
11	1.4	---	---	---	---	---	---	---	---	---	---	---
12	1.4	---	---	---	---	---	---	---	---	---	---	---
13	1.4	---	---	---	---	---	---	---	---	---	---	---
14	1.5	---	---	---	---	---	---	---	---	---	---	---
15	1.4	---	---	---	---	---	---	---	---	---	---	---
16	1.4	---	---	---	---	---	---	---	---	---	---	---
17	1.4	---	---	---	---	---	---	---	---	---	---	---
18	1.4	---	---	---	---	---	---	---	---	---	---	---
19	1.4	---	---	---	---	---	---	---	---	---	---	---
20	1.4	---	---	---	---	---	---	---	---	---	---	---
21	1.4	---	---	---	---	---	---	---	---	---	---	---
22	1.4	---	---	---	---	---	---	---	---	---	---	---
23	1.4	---	---	---	---	---	---	---	---	---	---	---
24	1.4	---	---	---	---	---	---	---	---	---	---	---
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28	1.4	---	---	---	---	---	---	---	---	---	---	---
29	1.4	---	---	---	---	---	---	---	---	---	---	---
30	1.5	---	---	---	---	---	---	---	---	---	---	---
31	1.5	---	---	---	---	---	---	---	---	---	---	---
Total	42.6	---	---	---	---	---	---	---	---	---	---	---
Mean	1.37	---	---	---	---	---	---	---	---	---	---	---
Max	1.7	---	---	---	---	---	---	---	---	---	---	---
Min	1.0	---	---	---	---	---	---	---	---	---	---	---
Ac-ft	84	---	---	---	---	---	---	---	---	---	---	---

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Max	3.90	3.87	3.57	3.55	3.25	3.96	13.6	30.0	29.2	13.7	5.41	4.33
(WY)	(1999)	(1999)	(1999)	(1997)	(1999)	(1999)	(2006)	(2006)	(1998)	(1998)	(1998)	(1998)
Min	0.83	0.90	0.90	1.04	1.28	1.42	1.85	1.36	0.82	0.55	0.39	0.46
(WY)	(1993)	(1993)	(1995)	(1993)	(1989)	(1991)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)

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SUMMARY STATISTICS

	Water Years 1987 - 2009	
Annual mean	3.38	
Highest annual mean	8.41	1998
Lowest annual mean	1.21	1992
Highest daily mean	47	Jun 5, 1995
Lowest daily mean	0.32	Aug 1, 1992
Annual seven-day minimum	0.33	Jul 31, 1992
Maximum peak flow	50	Jun 5, 1995
Maximum peak stage	5.64	Feb 28, 2006
Annual runoff (ac-ft)	2,450	
10 percent exceeds	6.1	
50 percent exceeds	2.0	
90 percent exceeds	1.0	

