Water-Data Report 2013

10246835 Big Warm Spring Near Duckwater, NV

Central Nevada Desert Basins
Hot Creek-Railroad Valleys Subbasin

LOCATION.--Lat 38°57'00.7", long 115°42'11.8" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec.32, T.13 N., R.56 E., Nye County, NV, Hydrologic Unit 16060012, on right bank, below spring orifice, 1 mi north of Little Warm Spring, and approximately 1.5 mi northeast of Duckwater.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1915 to Sep. 1916, Sep. 2007 to current year. Monthly discharge only for 1916 water year published in WSP 440 and 1314. Intermittent daily values 1970 and 1971. Miscellaneous discharge measurements 1982 to 2007.

GAGE.--Water-stage recorder. Elevation of gage is 5598 ft. above National Geodetic Vertical Datum of 1984. Gage operated in vicinity of present location during 1916 water year.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40 ft^3/s (estimated), Jul 31, 2011; Maximum gage height, 6.54 ft, Jul 31,2011;Minimum daily discharge, 13 ft^3/s, Sep. 08, 1915, many days in 2011 and 2012.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22 ft^3/s, Sep. 3, gage height, 4.93 ft; minimum daily discharge, 14 ft^3/s, on many days.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 10246835, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/10246835.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	15	15	15	15	15	14	16	16	15	15	16
2	14	15	15	15	15	15	14	16	16	15	15	16
3	14	14	15	15	15	15	14	16	16	15	15	16
4	14	14	15	15	15	15	14	16	16	15	15	14
5	14	14	15	15	15	15	15	16	16	15	15	14
6	14	14	15	15	15	15	15	16	16	15	15	14
7	14	15	15	15	15	15	15	16	16	15	15	14
8	14	15	15	15	15	15	15	16	16	15	15	14
9	14	15	15	15	15	15	14	16	15	15	15	14
10	14	15	15	15	15	15	14	16	15	15	15	14
11	14	14	15	15	15	15	14	16	15	15	15	14
12	14	15	15	15	15	15	14	16	15	15	15	14
13	14	15	15	15	15	15	15	16	15	15	15	14
14	14	15	15	15	15	15	15	16	15	15	15	14
15	14	15	15	15	15	15	15	16	15	15	15	14
16	14	15	15	15	15	15	14	16	15	15	15	14
17	14	15	15	15	15	15	14	16	15	15	16	14
18	14	15	15	15	15	15	14	16	15	15	16	14
19	14	15	15	15	15	15	15	16	15	15	16	14
20	14	15	15	15	15	15	15	16	15	15	15	14
21	14	15	15	15	15	15	15	16	15	15	15	14
22	14	15	15	15	15	15	15	16	15	15	15	14
23	14	15	15	15	15	15	14	16	15	15	15	14
24	14	15	15	15	15	14	15	16	15	15	15	14
25	14	15	15	15	15	15	16	16	15	15	15	14
26	14	15	15	15	15	14	16	16	15	15	15	14
27	14	15	15	15	15	14	16	16	15	15	15	14
28	15	15	15	15	15	14	16	15	15	15	15	14
29	14	15	15	15	---	14	16	15	15	15	15	14
30	15	15	15	15	---	14	16	16	15	15	15	14
31	15	---	15	15	---	14	---	16	---	15	15	---
Total	437	445	465	465	420	458	444	494	458	465	468	426
Mean	14.1	14.8	15.0	15.0	15.0	14.8	14.8	15.9	15.3	15.0	15.1	14.2
Max	15	15	15	15	15	15	16	16	16	15	16	16
Min	14	14	15	15	15	14	14	15	15	15	15	14
Ac-ft	867	883	922	922	833	908	881	980	908	922	928	845

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	14.8	14.4	14.5	14.6	14.8	14.9	14.7	14.5	14.2	14.1	14.3	14.3
Max	16.0	15.9	15.0	15.0	15.5	16.0	15.3	15.9	15.3	15.0	15.1	15.9
(WY)	(2009)	(2011)	(2008)	(2008)	(2008)	(2008)	(2008)	(2013)	(2013)	(2013)	(2013)	(2010)
Min	13.0	11.5	12.8	13.5	14.0	14.0	14.0	13.1	13.0	13.0	13.0	13.4
(WY)	(2012)	(1971)	(1971)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)

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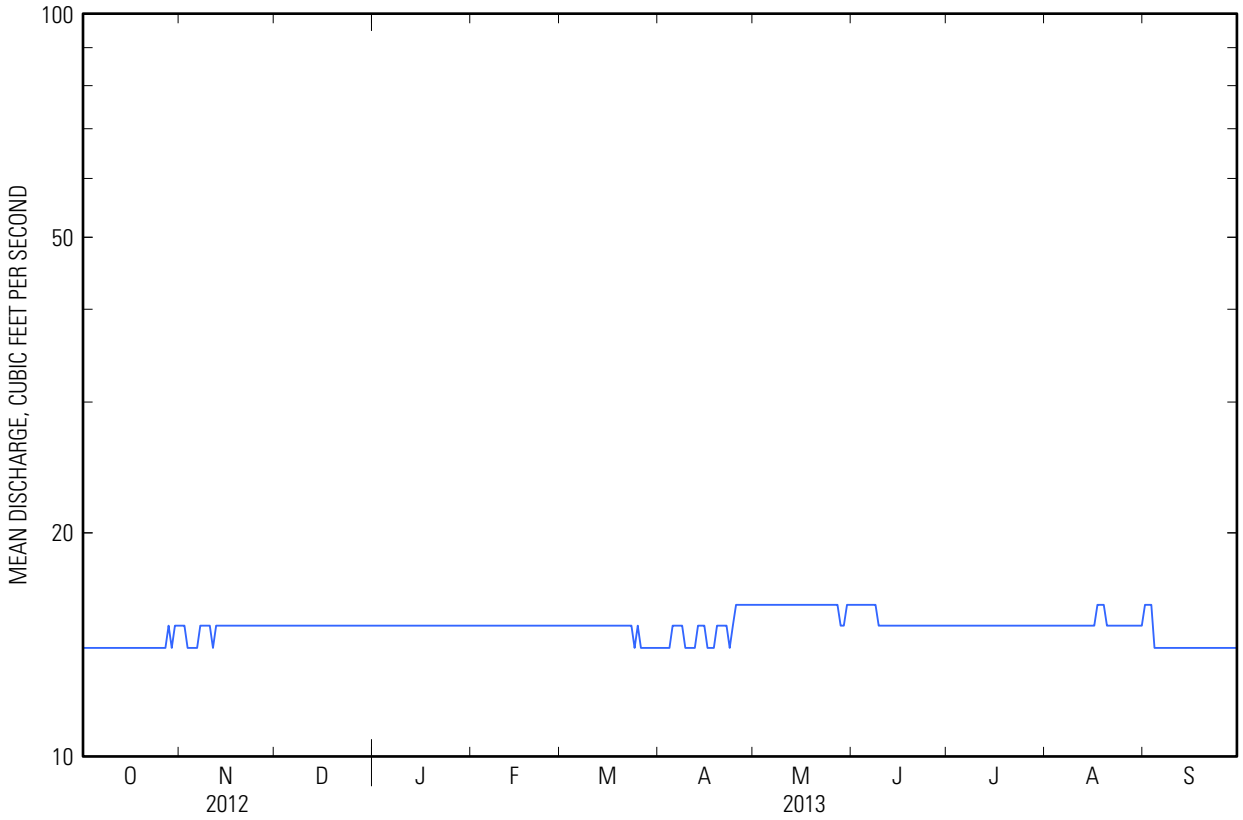
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1970 - 2013	
Annual total	5,036		5,445			
Annual mean	13.8		14.9		14.6	
Highest annual mean					15.0	2008
Lowest annual mean					13.4	2012
Highest daily mean	15	Oct 28	16	Apr 25	16	Sep 27, 2007
Lowest daily mean	13	Jan 1	14	Oct 1	0.95	Aug 9, 1970
Annual seven-day minimum	13	Jan 1	14	Oct 1	1.4	Aug 4, 1970
Maximum peak flow			22	Sep 3	40	Jul 31, 2011
Maximum peak stage			4.93	Sep 3	6.54	Jul 31, 2011
Annual runoff (ac-ft)	9,990		10,800		10,560	
10 percent exceeds	15		16		16	
50 percent exceeds	14		15		15	
90 percent exceeds	13		14		13