Water-Data Report 2012

10299100 Desert Creek Near Wellington, NV

Walker Basin
West Walker Subbasin

LOCATION.--Lat 38°38′55″, long 119°19′30″ referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.17, T.9 N., R.24 E., Lyon County, NV, Hydrologic Unit 16050302, on right bank 30 ft above diversion structure, half a mile above Desert Creek Ranch and 8 mi southeast of Wellington.

DRAINAGE AREA.--50.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Nov. 1964 to 1979, Oct. 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,800 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except estimated daily discharges, which are poor. Some regulation at times, some years, from Lobdell Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 277 ft^3/s, Jul. 16, 2010, gage height, 5.14 ft. Maximum gage height, 5.14 ft, July 16, 2010 (current datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25 ft^3/s, Apr. 22, gage height, 4.02 ft; minimum daily discharge, 0.66 ft^3/s, Aug. 3.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 10299100, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/10299100.2012.pdf

10299100 Desert Creek Near Wellington, NV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.3	4.2	1.5	e3.1	3.8	3.5	4.4	9.1	5.4	9.0	0.74	1.0
2	6.0	3.1	e1.9	3.4	3.9	4.1	4.2	9.1	5.3	8.9	0.67	1.1
3	5.9	4.0	e1.9	3.7	e3.9	3.8	4.5	8.4	4.9	8.6	0.66	1.1
4	6.3	3.2	e1.9	3.8	e3.9	3.7	5.3	7.7	4.9	8.0	0.78	1.0
5	7.1	3.2	e1.9	4.0	e3.9	3.8	4.6	6.7	5.2	7.6	1.3	1.1
6	7.9	4.4	e1.9	3.8	e3.9	3.4	4.3	6.6	5.0	7.5	1.0	1.5
7	7.7	4.5	e1.9	3.7	e3.7	e3.4	4.2	6.5	4.3	6.6	0.86	1.5
8	8.1	2.8	e1.9	e3.9	3.7	3.7	4.5	6.5	3.9	2.7	0.74	1.4
9	8.2	4.3	e1.9	e3.7	3.6	4.2	5.1	6.8	3.8	2.0	0.81	1.6
10	7.6	4.4	e2.1	3.3	3.7	3.9	5.8	7.4	3.6	1.6	0.71	1.2
11	7.6	4.4	e2.1	e3.6	3.6	3.7	6.2	7.0	3.5	1.5	0.73	1.2
12	6.9	4.4	e2.1	e3.4	3.5	3.7	5.0	6.4	6.3	1.4	1.2	1.3
13	6.6	4.1	e2.0	e3.4	3.4	3.8	4.8	6.3	6.9	1.5	1.5	1.2
14	6.4	3.9	e1.9	e3.3	3.4	4.0	4.6	6.4	6.9	1.3	2.1	1.2
15	5.6	3.7	e1.9	2.9	3.4	4.5	4.6	6.1	6.7	1.4	3.0	1.2
16	6.0	3.6	e1.9	e3.0	e3.4	4.6	4.9	6.1	6.4	1.8	1.8	1.2
17	6.1	3.5	e1.9	e2.9	e3.4	4.4	6.1	6.3	5.9	1.4	2.9	1.3
18	6.1	3.3	e2.1	e2.9	3.3	3.3	6.5	5.6	5.6	1.3	4.0	1.3
19	6.1	1.8	e3.0	2.5	3.4	4.4	8.2	5.0	5.6	1.3	2.7	1.3
20	5.1	2.8	e3.0	2.9	3.2	4.1	12	5.1	5.6	1.4	1.9	1.3
21	4.8	2.4	e3.0	4.8	3.3	4.7	14	5.2	5.4	1.2	1.6	1.3
22	4.5	3.4	e2.5	4.6	3.4	4.7	15	5.2	5.2	1.3	1.4	1.4
23	4.6	3.6	e1.9	4.0	3.3	4.2	16	5.4	4.9	1.6	1.6	1.6
24	4.7	3.0	e1.6	3.8	3.4	3.9	14	5.0	9.4	1.9	1.5	1.4
25	4.6	2.7	e1.6	3.9	3.3	4.1	13	5.0	10	1.3	1.3	1.5
26	4.0	2.6	1.4	4.2	3.9	3.8	11	6.3	10	1.1	1.3	1.6
27	4.4	3.4	1.5	4.2	4.2	3.7	8.7	6.3	9.9	1.0	1.2	1.6
28	4.6	3.2	1.8	e4.2	4.1	3.9	9.2	7.4	9.6	1.1	1.1	1.6
29	4.2	2.8	3.2	e4.1	3.3	4.0	9.6	5.7	9.4	0.96	1.1	1.8
30	4.2	2.4	3.3	4.0	---	4.8	9.7	5.2	9.2	0.88	1.0	1.7
31	4.1	---	3.1	3.9	---	5.7	---	5.2	---	0.79	1.0	---
Total	182.3	103.1	65.6	112.9	104.2	125.5	230.0	197.0	188.7	89.93	44.20	40.5
Mean	5.88	3.44	2.12	3.64	3.59	4.05	7.67	6.35	6.29	2.90	1.43	1.35
Max	8.2	4.5	3.3	4.8	4.2	5.7	16	9.1	10	9.0	4.0	1.8
Min	4.0	1.8	1.4	2.5	3.2	3.3	4.2	5.0	3.5	0.79	0.66	1.0
Ac-ft	362	204	130	224	207	249	456	391	374	178	88	80

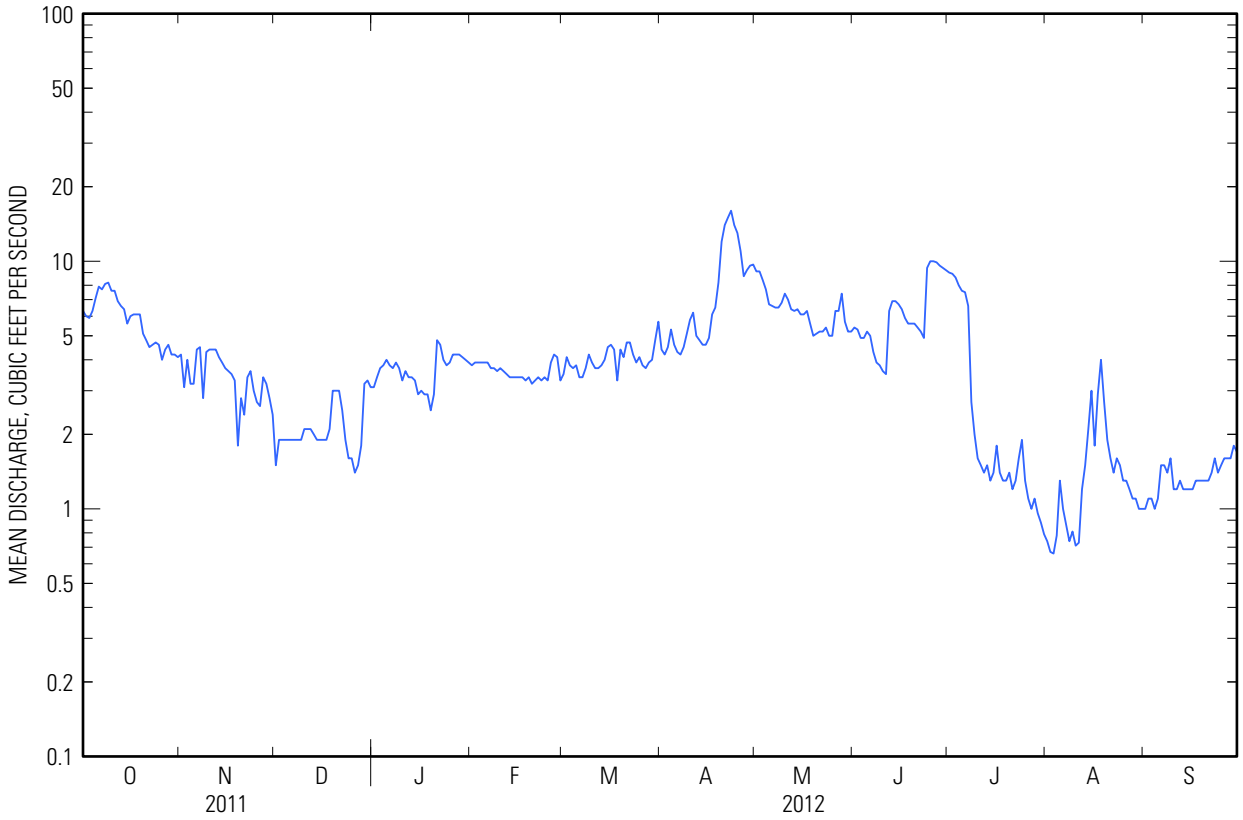
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.52	3.95	3.95	4.06	4.26	5.26	9.45	28.1	41.9	25.3	12.4	6.73
Max	6.99	7.05	6.31	6.33	5.82	7.88	17.4	93.3	127	54.5	26.1	19.9
(WY)	(1968)	(1968)	(1967)	(1966)	(1966)	(1967)	(1969)	(1969)	(1969)	(1967)	(2011)	(1965)
Min	2.58	2.72	2.12	2.83	3.31	4.05	4.96	6.35	6.29	2.47	1.43	1.35
(WY)	(2008)	(2008)	(2012)	(2009)	(2009)	(2012)	(1967)	(2012)	(2012)	(2007)	(2012)	(2012)

10299100 Desert Creek Near Wellington, NV—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1965 - 2012	
Annual total	6,208.4		1,483.93			
Annual mean	17.0		4.05		12.2	
Highest annual mean					28.4	1969
Lowest annual mean					4.05	2012
Highest daily mean	115	Jun 24	16	Apr 23	198	May 27, 1969
Lowest daily mean	1.4	Dec 26	0.66	Aug 3	0.66	Aug 3, 2012
Annual seven-day minimum	1.8	Dec 22	0.78	Jul 29	0.78	Jul 29, 2012
Maximum peak flow			25	Apr 22	277	Jul 16, 2010
Maximum peak stage			4.02	Apr 22	5.14	Jul 16, 2010
Annual runoff (ac-ft)	12,310		2,940		8,810	
10 percent exceeds	41		7.4		25	
50 percent exceeds	7.0		3.8		5.1	
90 percent exceeds	3.0		1.3		2.7	



10299100 Desert Creek Near Wellington, NV—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Medium name	Sample type	pH, water, unfiltered, field, standard units (00400)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)	Chloride, water, filtered, mg/L (00940)
10-06-2011	**1215**	Surface water	Regular	7.5	104	4.9	1.02
10-26-2011	**1200**	Surface water	Regular	7.0	146	1.8	1.21
10-26-2011	***1201***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.20*
11-09-2011	**1215**	Surface water	Regular	7.1	116	.4	1.50
11-22-2011	**1415**	Surface water	Regular	7.9	119	3.2	1.43
12-08-2011	**1030**	Surface water	Regular	7.5	109	.0	1.40
12-22-2011	**1205**	Surface water	Regular	6.7	117	.6	1.60
01-05-2012	**1215**	Surface water	Regular	7.1	98	2.5	1.30
01-19-2012	**1045**	Surface water	Regular	7.6	108	1.9	--
02-17-2012	**1230**	Surface water	Regular	7.4	102	.4	--
03-02-2012	**1000**	Surface water	Regular	6.7	114	.3	--
03-16-2012	**1200**	Surface water	Regular	7.2	106	5.9	--
03-30-2012	**1215**	Surface water	Regular	7.5	108	8.8	1.52
03-30-2012	***1216***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.51*
04-13-2012	**1100**	Surface water	Regular	7.2	112	4.2	1.69
04-27-2012	**1215**	Surface water	Regular	7.8	105	7.1	1.41
05-11-2012	**1230**	Surface water	Regular	7.9	102	10.3	1.03
05-18-2012	**1245**	Surface water	Regular	7.8	104	12.3	1.01
05-18-2012	***1246***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.01*
05-24-2012	**1300**	Surface water	Regular	8.0	104	12.6	1.00
06-01-2012	**1300**	Surface water	Regular	7.7	109	16.5	.91
06-12-2012	**1240**	Surface water	Regular	7.9	116	14.6	.75
06-22-2012	**1330**	Surface water	Regular	7.8	106	16.6	.71
07-06-2012	**1100**	Surface water	Regular	7.7	97	14.5	.51
07-20-2012	**0945**	Surface water	Regular	7.5	135	12.4	1.46
08-06-2012	**1445**	Surface water	Regular	8.3	83	20.9	1.79
08-17-2012	**1200**	Surface water	Regular	7.7	126	17.3	1.09
09-04-2012	**1200**	Surface water	Regular	7.2	142	13.1	1.62
09-04-2012	***1201***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.62*
09-18-2012	**1250**	Surface water	Regular	7.8	139	13.2	1.65