Water-Data Report 2012

10299300 Red Canyon Creek Near Wellington, NV

Walker Basin
West Walker Subbasin

LOCATION.--Lat 38°50′54″, long 119°26′02″ referenced to North American Datum of 1983, in SE ¼ NW ¼ sec.5, T.11 N., R.23 E., Douglas County, NV, Hydrologic Unit 16050302, on left bank, off Red Canyon Road, 1.7 mi west of Day Ln, approximately 3 mi west of Upper Colony Rd, near Smith Valley, NV

DRAINAGE AREA.--Undetermined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2010 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,419 ft above North American Vertical Datum of 1988, from digital elevation model.

REMARKS.--Records fair except estimated daily discharges, which are poor. No known diversions above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 7.2 ft^3/s , June 27, 2011 gage height, 1.78 ft.; minimum daily .00 ft^3/s, many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2.2 ft^3/s, Nov 17, gage height, 1.45 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

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 10299300, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/10299300.2012.pdf

10299300 Red Canyon Creek Near Wellington, NV—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.58	0.72	e0.90	0.54	0.91	0.98	0.77	0.68	0.42	0.06	0.00	0.00
2	0.57	0.59	e0.90	0.56	0.94	1.0	0.76	0.73	0.35	0.06	0.00	0.00
3	0.57	0.74	e0.87	0.56	e0.89	1.1	0.77	0.75	0.33	0.04	0.00	0.00
4	0.61	0.76	e0.87	0.58	e0.89	1.0	0.73	0.77	0.37	0.04	0.00	0.00
5	0.79	0.54	e0.82	0.58	e0.89	0.99	0.76	0.76	0.52	0.04	0.00	0.00
6	0.79	0.82	e0.80	0.61	e0.89	0.91	0.74	0.77	0.56	0.05	0.00	0.00
7	0.84	0.82	e0.80	0.60	1.0	e0.91	0.82	0.79	0.48	0.03	0.00	0.00
8	0.80	0.57	e0.75	e0.54	1.0	e0.91	0.86	0.76	0.40	0.02	0.00	0.00
9	0.81	0.62	e0.70	e0.58	0.95	0.93	0.80	0.69	0.42	0.02	0.00	0.00
10	0.79	0.85	e0.70	e0.58	0.95	0.91	0.77	0.68	0.45	0.02	0.00	0.00
11	0.74	0.86	e0.70	e0.58	0.94	0.88	0.79	0.69	0.40	0.02	0.00	0.00
12	0.68	0.85	e0.70	e0.60	0.96	0.85	0.81	0.67	0.31	0.01	0.00	0.00
13	0.67	0.84	e0.65	e0.60	0.95	0.83	0.84	0.66	0.28	0.01	0.00	0.00
14	0.65	0.81	e0.65	e0.60	0.97	0.81	0.87	0.65	0.24	0.02	0.00	0.00
15	0.62	0.84	e0.65	e0.60	0.93	0.81	0.86	0.66	0.21	0.02	0.00	0.00
16	0.59	0.86	e0.60	e0.62	0.95	0.81	0.86	0.61	0.18	0.01	0.00	0.00
17	0.62	0.85	e0.60	e0.62	1.2	0.84	0.83	0.59	0.14	0.02	0.00	0.00
18	0.64	0.76	e0.60	e0.62	1.00	0.81	0.81	0.60	0.11	0.02	0.00	0.00
19	0.63	0.75	e0.58	e0.62	1.0	0.66	0.79	0.61	0.20	0.01	0.00	0.00
20	0.63	0.76	e0.58	e0.80	0.99	0.93	0.79	0.58	0.21	0.01	0.00	0.00
21	0.63	0.59	e0.58	e1.2	1.00	0.85	0.72	0.52	0.19	0.01	0.00	0.00
22	0.63	e0.85	e0.58	e0.70	1.0	0.77	0.69	0.48	0.19	0.00	0.00	0.00
23	0.64	0.85	e0.58	e0.66	0.97	0.75	0.64	0.52	0.17	0.02	0.00	0.00
24	0.61	0.89	e0.57	e0.69	1.00	0.75	0.65	0.53	0.16	0.00	0.00	0.00
25	0.67	0.98	e0.56	e0.75	0.96	0.76	0.67	0.62	0.11	0.00	0.00	0.00
26	0.73	0.97	&0.67	e0.80	0.82	0.81	0.73	0.74	0.12	0.01	0.00	0.00
27	0.75	1.1	&0.66	0.91	1.0	0.80	0.76	0.69	0.12	0.00	0.00	0.00
28	0.74	0.95	&0.57	0.91	1.1	0.79	0.74	0.62	0.09	0.00	0.00	0.00
29	0.80	0.93	0.52	e0.86	1.0	0.77	0.72	0.55	0.09	0.00	0.00	0.00
30	0.75	&0.97	0.50	e0.86	---	0.77	0.69	0.51	0.08	0.00	0.00	0.00
31	0.74	---	0.52	0.92	---	0.74	---	0.44	---	0.00	0.00	---
Total	21.31	24.29	20.73	21.25	28.05	26.43	23.04	19.92	7.90	0.57	0.00	0.00
Mean	0.69	0.81	0.67	0.69	0.97	0.85	0.77	0.64	0.26	0.02	0.00	0.00
Max	0.84	1.1	0.90	1.2	1.2	1.1	0.87	0.79	0.56	0.06	0.00	0.00
Min	0.57	0.54	0.50	0.54	0.82	0.66	0.64	0.44	0.08	0.00	0.00	0.00

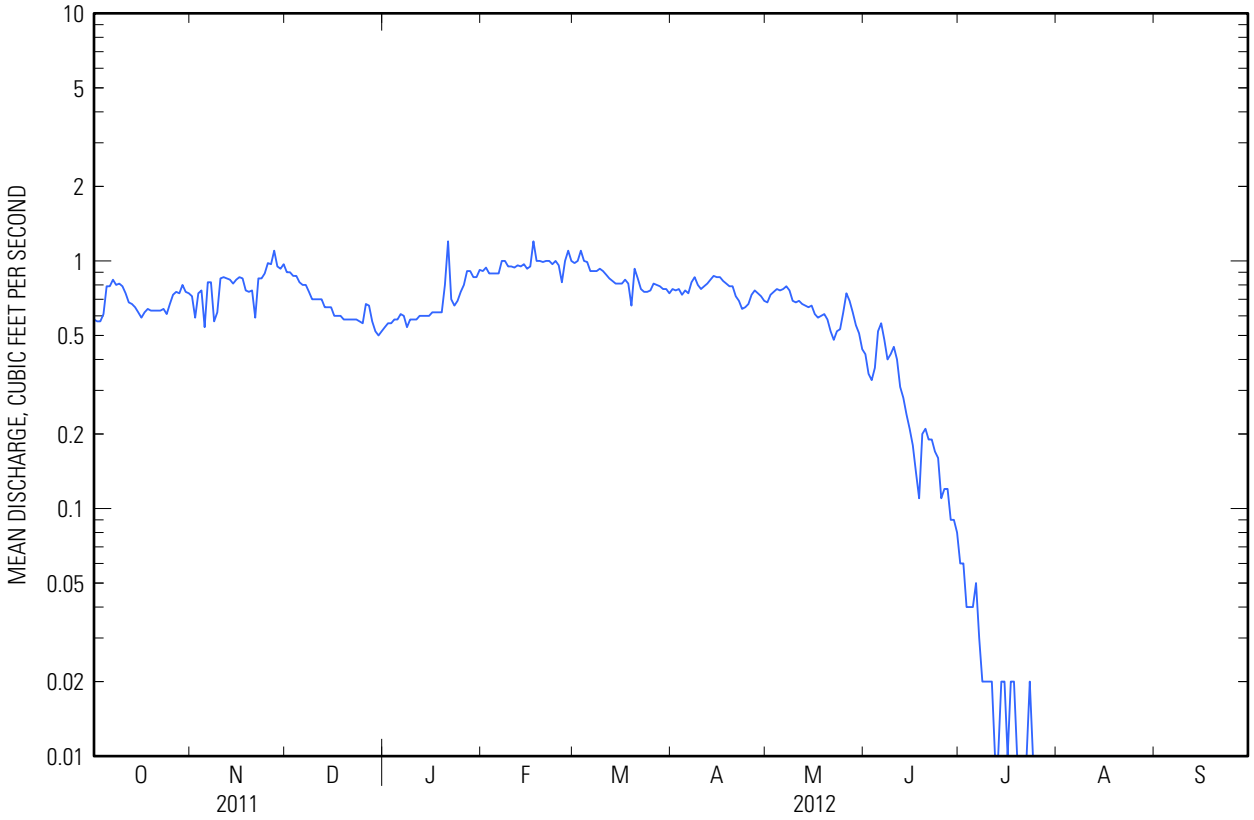
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2010 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.39	0.42	0.34	0.44	0.68	0.88	1.41	2.01	2.08	0.70	0.28	0.21
Max	0.69	0.81	0.67	0.69	0.97	0.91	2.06	3.38	3.89	1.96	0.83	0.61
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)
Min	0.10	0.02	0.01	0.19	0.37	0.85	0.77	0.64	0.26	0.02	0.00	0.00
(WY)	(2011)	(2011)	(2011)	(2011)	(2011)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

10299300 Red Canyon Creek Near Wellington, NV—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2010 - 2012	
Annual total	498.99		193.49			
Annual mean	1.37		0.53		0.86	
Highest annual mean					1.20	2011
Lowest annual mean					0.53	2012
Highest daily mean	4.5	Jun 7	1.2	Jan 21	4.5	Jun 7, 2011
Lowest daily mean	0.00	Jan 1	0.00	Jul 22	0.00	Aug 16, 2010
Annual seven-day minimum	0.00	Jan 4	0.00	Jul 27	0.00	Sep 25, 2010
Maximum peak flow			2.2	Nov 17	7.2	Jun 27, 2011
Maximum peak stage			1.45	Nov 17	1.78	Jun 27, 2011
10 percent exceeds	3.5		0.93		2.6	
50 percent exceeds	0.80		0.63		0.63	
90 percent exceeds	0.35		0.00		0.00	



10299300 Red Canyon 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	**1300**	Surface water	Regular	8.0	250	5.1	1.69
10-26-2011	**1300**	Surface water	Regular	7.6	254	1.8	1.60
10-26-2011	***1301***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.60*
11-09-2011	**1300**	Surface water	Regular	7.1	285	.4	1.65
11-22-2011	**1530**	Surface water	Regular	8.1	238	1.7	1.43
12-08-2011	**1152**	Surface water	Regular	8.1	323	.0	1.92
12-22-2011	**1250**	Surface water	Regular	7.2	254	.5	1.59
01-05-2012	**1300**	Surface water	Regular	8.3	251	2.9	1.51
01-19-2012	**1000**	Surface water	Regular	7.5	237	2.5	--
02-01-2012	**1430**	Surface water	Regular	8.1	246	4.0	--
02-17-2012	**1315**	Surface water	Regular	8.0	256	.4	--
03-02-2012	**0930**	Surface water	Regular	7.8	246	2.3	--
03-16-2012	**1300**	Surface water	Regular	7.9	236	7.0	1.52
03-30-2012	**1315**	Surface water	Regular	7.8	249	9.2	1.51
03-30-2012	***1316***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.52*
04-13-2012	**1215**	Surface water	Regular	8.0	240	4.5	1.49
04-27-2012	**1310**	Surface water	Regular	8.1	263	7.5	1.45
05-11-2012	**1315**	Surface water	Regular	7.8	250	9.9	1.42
05-18-2012	**1340**	Surface water	Regular	8.3	252	10.9	1.40
05-18-2012	***1341***	*QC sample - Surface water*	*Replicate*	--	--	--	*1.41*
05-24-2012	**1350**	Surface water	Regular	8.2	254	10.5	1.40
06-01-2012	**1345**	Surface water	Regular	8.3	252	15.0	1.33
06-12-2012	**1320**	Surface water	Regular	8.1	271	13.1	1.29
06-22-2012	**1415**	Surface water	Regular	7.8	275	14.5	1.42
07-06-2012	**1150**	Surface water	Regular	7.9	287	15.0	1.49
07-20-2012	**0900**	Surface water	Regular	8.1	301	13.0	1.57
08-06-2012	**1542**	Surface water	Regular	7.8	300	17.6	2.11