Water-Data Report 2012

392632118445201 Local number 101 N18 E29 08AACD1

Basin and Range basin-fill aquifers
Holocene Alluvium

Churchill County, NV

LOCATION.--Lat 39°26′32″, long 118°44′52″ referenced to North American Datum of 1983, in SW ¼ NE ¼ NE ¼ sec.8, T.18 N., R.29 E., Churchill County, NV, Hydrologic Unit is unknown.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 11 ft. Upper casing diameter 2. in; top of first opening 6 ft, bottom of last opening 11 ft.

DATUM.--Land-surface datum is 3,947 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 inch casing high point, 0.0 ft above land-surface datum, Aug. 31, 2004, to present.

COOPERATION.--Data collected in cooperation with Churchill County and the U.S. Fish and Wildlife Service.

REMARKS.--In the Fallon area, basin-fill aquifers have been defined as the shallow aquifer from the water table to depths of 50 ft below land surface, and as the intermediate aquifer from depths of 50 ft to about 500 ft below land surface by Glancy, P.A., 1986, Geohydrology of the basalt and unconsolidated sedimentary aquifers in the Fallon area, Churchill County, Nevada: U.S. Geological Survey Water Supply Paper 2263.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: - - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 17, 2011	4.14	T	--	Apr 19, 2012	4.37	T	--
Nov 14	4.48	T	--	May 29	3.93	T	--
Dec 7	4.52	T	--	Jun 28	4.12	T	--
19	4.56	T	--	Jul 9	4.18	T	--
Mar 30, 2012	4.37	T	--	Sep 21	4.40	T	--

Highest: 3.93, May 29, 2012
Lowest: 4.56, Dec 19, 2011

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 392632118445201, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/392632118445201.2012.pdf

392632118445201 Local number 101 N18 E29 08AACD1—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 4

[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Flow rate, instantaneous, gallons per minute (00059)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)
08-22-2012	**1150**	Groundwater	Regular	660	25.0	4.37	0.2	0.01	7.5	912

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 2 of 4

[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Temperature, water, °C (00010)	Sampling depth, ft (00003)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)
08-22-2012	**1150**	17.3	12.0	589	95.4	24.2	7.91	78.8	259

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 4

[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)	Iron, water, filtered, µg/L (01046)
08-22-2012	**1150**	315	0.079	0.6	31.0	0.36	38.8	103	< 3.2

392632118445201 Local number 101 N18 E29 08AACD1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 4 of 4

[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Manganese, water, filtered, µg/L (01056)
08-22-2012	**1150**	32.8