

Water-Data Report 2013

**10322530 South Fork Henderson Creek Above Garden Pass Road Near Eureka, NV**

Humboldt Basin  
Pine Subbasin

LOCATION.--Lat 39°49'29.3", long 116°14'03.2" referenced to North American Datum of 1983, in SW ¼ SW ¼ SW ¼ sec.27, T.23 N., R.51 E., Eureka County, NV, Hydrologic Unit 16040104, 2.3 mi above mouth, 4.4 mi southwest of intersection of Highway 278 and Garden Pass Road, and 26 mi north of Eureka.

DRAINAGE AREA.--Not determined.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, Jul. 2010 to current year.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>	<b>Gage height, in ft</b>
Nov 6, 2012	0.070	---
Dec 19, 2012	0.060	---
Apr 23, 2013	0.076	---
Apr 25, 2013	0.063	---
Sep 17, 2013	0.051	---

## 10322530 South Fork Henderson Creek Above Garden Pass Road Near Eureka, NV—Continued

## WATER-QUALITY RECORDS

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)
05-21-2013	0845	Surface water	Regular	596	17.5	--	--	8.2	196
09-04-2013	0900	Surface water	Regular	611	24.0	5.9	72	7.8	189

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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)	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)	ANC, water, unfiltered, fixed endpoint titration, laboratory, mg/L as CaCO <sub>3</sub> (90410)	Alkalinity, water, filtered, fixed endpoint titration, laboratory, mg/L as CaCO <sub>3</sub> (29801)	Carbon dioxide, water, unfiltered, mg/L (00405)
05-21-2013	0845	8.0	150	19.8	6.80	1.46	10.5	84.4	84.9	1.2
09-04-2013	0900	14.1	135	19.2	6.48	2.43	9.62	83.4	81.7	2.3

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Aluminum, water, filtered, µg/L (01106)	Aluminum, water, unfiltered, recoverable, µg/L (01105)
05-21-2013	0845	6.83	0.15	8.20	< .010	0.25	< .001	0.031	3.1	173
09-04-2013	0900	6.49	.12	7.04	< .010	.12	.002	.024	6.2	298

## 10322530 South Fork Henderson Creek Above Garden Pass Road Near Eureka, NV—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 4 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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	Barium, water, unfiltered, recoverable, µg/L (01005)	Barium, water, unfiltered, recoverable, µg/L (01007)	Beryllium, water, filtered, µg/L (01010)	Beryllium, water, unfiltered, recoverable, µg/L (01012)	Cadmium, water, filtered, µg/L (01025)	Cadmium, water, unfiltered, µg/L (01027)	Chromium, water, filtered, µg/L (01030)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Cobalt, water, filtered, µg/L (01035)
		05-21-2013	0845	21.5	24.6	<.006	<.02	<.016	<.016	<.07
09-04-2013	0900	19.5	26.7	<.006	<.02	<.016	<.016	<.07	<.30	.079

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 5 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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	Cobalt, water, unfiltered, recoverable, µg/L (01037)	Copper, water, filtered, µg/L (01040)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, filtered, µg/L (01046)	Lead, water, filtered, µg/L (01049)	Lead, water, unfiltered, recoverable, µg/L (01051)	Lithium, water, filtered, µg/L (01130)	Lithium, water, unfiltered, recoverable, mg/L (01132)	Manganese, water, filtered, µg/L (01056)
		05-21-2013	0845	0.15	<.80	<.70	4.6	<.025	0.12	2.31
09-04-2013	0900	.19	<.80	<.70	17.1	<.025	.15	2.23	2.85	3.20

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 6 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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, unfiltered, recoverable, µg/L (01055)	Molybdenum, water, filtered, µg/L (01060)	Molybdenum, water, unfiltered, recoverable, µg/L (01062)	Nickel, water, filtered, µg/L (01065)	Nickel, water, unfiltered, recoverable, µg/L (01067)	Silver, water, filtered, µg/L (01075)	Silver, water, unfiltered, recoverable, µg/L (01077)	Strontium, water, filtered, µg/L (01080)	Strontium, water, unfiltered, recoverable, mg/L (01082)
		05-21-2013	0845	10.9	0.326	0.30	0.18	<.19	0.006	<.015
09-04-2013	0900	13.0	.276	.29	.17	.23	<.005	<.015	103	110

## 10322530 South Fork Henderson Creek Above Garden Pass Road Near Eureka, NV—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 7 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; 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	Zinc, water, unfiltered, recoverable, Antimony, water, unfiltered, Arsenic, water, unfiltered,								
		Thallium, water, filtered, µg/L (01057)	Thallium, water, unfiltered, µg/L (01059)	Vanadium, water, filtered, µg/L (01085)	Zinc, water, filtered, µg/L (01090)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Antimony, water, filtered, µg/L (01095)	Antimony, water, unfiltered, µg/L (01097)	Arsenic, water, filtered, µg/L (01000)	Arsenic, water, unfiltered, µg/L (01002)
05-21-2013	0845	<.010	<.06	7.5	< 1.4	< 3.0	0.049	< .18	0.88	0.83
09-04-2013	0900	<.010	<.06	7.0	< 1.4	< 3.0	.046	< .18	.78	.86

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 8 of 8

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Date	Sample start time	Boron, water, unfiltered, recoverable, Selenium, water, unfiltered,				Uranium (natural), water, unfiltered, microgram s per liter	
		Boron, water, filtered, µg/L (01020)	Boron, water, unfiltered, recoverable, mg/L (01022)	Selenium, water, filtered, µg/L (01145)	Selenium, water, unfiltered, µg/L (01147)	Uranium (natural), water, filtered, µg/L (22703)	Uranium (natural), water, unfiltered, microgram s per liter (28011)
05-21-2013	0845	32	34	0.08	0.102	0.585	0.674
09-04-2013	0900	29	33	.07	.070	.432	.558