



Water-Data Report 2013

395356116095301 Henderson Creek Above Frazier Creek Near Eureka, NV

Humboldt Basin
Pine Subbasin

LOCATION.--Lat 39°53'56.4", long 116°09'53.1" referenced to North American Datum of 1983, in sec.6, T.23 N., R.52 E., Eureka County, NV, Hydrologic Unit 16040104, 2.5 mi north of intersection of Highway 278 and Garden Pass Road, and 28.7 mi north of Eureka.

SURFACE-WATER RECORDS

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

GAGE.--Miscellaneous measurements.

COOPERATION.--Eureka County

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

Date	Discharge, in ft ³ /s	Gage height, in ft
Oct 2, 2012	0.12	---
Nov 7, 2012	0.09	---
Dec 18, 2012	0.08	---
Jan 23, 2013	0.00	---
Mar 12, 2013	0.045	---
Apr 23, 2013	1.14	---
Apr 25, 2013	0.69	---
Jun 4, 2013	0.19	---
Jul 9, 2013	0.076	---
Aug 22, 2013	0.035	---
Sep 17, 2013	0.013	---

395356116095301 Henderson Creek Above Frazier Creek 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; CaCO₃, 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	1015	Surface water	Regular	580	17.5	8.0	94	8.6	503
09-04-2013	1015	Surface water	Regular	612	24.0	7.5	109	8.6	348

WATER-QUALITY DATA

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO₃, 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 (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410)	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (29801)	Carbon dioxide, water, unfiltered, mg/L (00405)
05-21-2013	1015	10.2	324	55.3	21.5	2.07	24.8	186	191	0.9
09-04-2013	1015	23.0	229	22.7	13.4	6.54	28.3	131	125	.6

WATER-QUALITY DATA

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO₃, 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	1015	15.0	0.28	68.9	<.010	<.01	<.001	0.013	5.3	208
09-04-2013	1015	10.7	.32	39.2	.011	<.01	.001	.006	185	3,720

395356116095301 Henderson Creek Above Frazier Creek Near Eureka, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 4 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO₃, 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	1015	87.0	89.0	<.006	0.02	<.016	<.016	<.07
09-04-2013	1015	54.4	116	.019	.18	.037	.116	.20	2.6	2.50

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 5 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO₃, 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	1015	0.14	<.80	1.2	6.9	<.025	0.13	11.2
09-04-2013	1015	1.1	3.0	6.8	133	.081	1.64	16.0	15.1	5.50

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 6 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO₃, 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	1015	7.3	2.63	2.59	0.62	0.69	<.005	<.015
09-04-2013	1015	43.7	2.08	1.84	1.3	3.7	<.005	.019	169	180

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 7 of 8

[%, percent; ANC, acid neutralizing capacity; CaCO₃, 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	1015	<.010	<.06	5.9	< 1.4	< 3.0	0.295	0.32	3.2	3.1
09-04-2013	1015	<.010	<.06	15.2	1.6	15.9	.603	.43	4.9	5.0

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, Selenum, water, filtered, unfiltered,				Uranium (natural), water, unfiltered, microgram s per liter	
		Boron, water, filtered, µg/L (01020)	Boron, water, unfiltered, recoverable, mg/L (01022)	Selenum, water, filtered, µg/L (01145)	Selenum, water, unfiltered, µg/L (01147)	Uranium (natural), water, filtered, µg/L (22703)	Uranium (natural), water, unfiltered, microgram s per liter (28011)
05-21-2013	1015	80	82	1.9	1.67	2.47	2.51
09-04-2013	1015	158	172	1.1	1.03	2.78	2.95