

Table 3. Summary of measured constituents and properties for Sunflower Drain at Highway 92 near Read, CO, station 384551107591901
 [--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; *, value is censored, see Definition of Terms for censored value replacement rules; NC, percentiles and medians not calculated or Level of Concern not computed; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, pH, and water temperature]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	1995-2017	115	0	1.6	22.9	120	08/09/16	2.4	65.4	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	19	0	1.8	14.0	69.8	04/15/19	2.3	58.7	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1998-2017	15	0	6.3	9.8	12.0	01/07/03	7.2	12.0	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	7.7	9.3	12.1	12/10/18	7.8	11.8	5.0	0	--	--	--	L
pH, in standard units	1995-2017	106	0	7.9	8.2	8.6	04/16/01	8.1	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	8	0	8.0	8.2	8.3	02/05/18	8.1	8.3	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1995-2003	94	0	7.4	8.0	8.4	11/12/02	7.8	8.1	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1995-2003	94	0	823	1,835	9,320	03/20/01	1,278	7,616	--	--	.	--	2.6	--
Specific conductance, laboratory, in microsiemens per centimeter	2019	2	0	978	NC	7,026	03/19/19	NC	NC	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1995-2017	115	0	750	1,840	9,340	03/20/01	1,222	7,350	--	--	.	--	1.0	--
Specific conductance, in microsiemens per centimeter	2018-2019	20	0	843	2,202	7,240	02/04/19	997	7,038	--	--	.	--	--	--
Temperature, water, degrees Celsius	1995-2017	115	0	0.0	10.0	21.0	07/19/16	1.9	17.5	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	18	0	0.6	8.2	21.8	06/11/18	1.5	18.6	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1995-2017	88	0	0.6	12.6	21.0	07/19/16	6.8	18.0	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	13	0	4.5	11.0	21.8	06/11/18	5.2	20.4	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1995-2017	27	0	0.0	1.8	6.0	02/22/00	0.3	4.9	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	5	0	0.6	NC	4.4	02/05/18	NC	NC	14.3	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2016-2017	7	0	10.9	104.0	602.0	07/19/16	12.4	570.8	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	8	0	12.3	154.5	732.0	04/15/19	14.3	551.0	--	--	--	--	2.0	--
Residue, in milligrams per liter	1998	1	0	1,014	NC	1,014	05/14/98	NC	NC	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	1998	1	0	1,014	NC	1,014	05/14/98	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2017	107	0	515	1,317	8,186	03/20/01	867	6,671	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	18	0	591	1,649	6,398	03/06/18	700	6,274	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2017	107	0	272	629	2,441	02/15/95	432	2,229	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	20	0	328	771	2,280	03/06/18	382	2,252	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2017	107	0	69.1	156	470	12/19/94	112	431	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	20	0	87.8	182	472	01/26/18	97.7	454	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2017	107	0	23.0	60.0	330	01/18/96	37.9	277	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	20	0	26.4	77.2	287	03/19/19	34.8	272	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2017	106	0	2.7	5.1	19.0	01/18/96	4.0	15.3	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	20	0	2.8	6.1	19.4	03/13/19	3.7	16.6	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1995-2017	107	0	62.0	162	1,686	03/20/01	102	1,251	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	20	0	62.9	262	1,173	03/06/18	83.3	1,105	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1995-1999	32	0	129	193	386	01/18/96	148	345	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2003	62	0	127	194	405	11/21/01	159	388	--	--	.	--	2.0	--
Alkalinity, inflection-point titration, in milligrams per liter	1998-2017	9	0	132	171	327	01/10/17	138	260	--	--	.	--	--	--

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Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	131	193	392	02/05/18	134	386	--	--	.	--	--	--
Alkalinity, inflection-point titration, laboratory in milligrams per liter	2017	6	0	117	140	188	08/21/17	117	187	--	--	--	--	0.15	--
Alkalinity, inflection-point titration, laboratory in milligrams per liter	2018-2019	15	0	116	205	390	03/06/18	131	364	--	--	--	--	0.15	--
Bicarbonate, in milligrams per liter	1998-2017	9	0	159	203	390	01/10/17	165	311	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	157	230	466	02/05/18	160	459	--	--	.	--	--	--
Bromide, in micrograms per liter	2017	6	0	0.015	0.032	0.266	03/15/17	0.016	0.255	--	--	--	--	0.010	--
Bromide, in micrograms per liter	2018-2019	12	1	0 *	0.097	0.244	02/04/19	0.032	0.243	--	--	--	--	0.010	--
Carbonate, in milligrams per liter	1998-2017	9	0	1.1	2.0	7.2	05/14/98	1.3	5.6	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	1.5	2.3	6.0	02/05/18	1.5	5.5	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2017	106	0	5.6	11.0	94.3	03/20/01	7.7	68.7	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	20	0	6.9	14.8	68.9	03/13/19	7.5	62.7	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1995-2017	101	0	0.20	0.36	0.51	10/24/01	0.30	0.41	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	10	0	0.27	0.32	0.39	03/19/19	0.27	0.38	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1995-2017	101	0	4.8	11.9	16.1	09/08/00	7.3	14.4	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	12	0	5.0	10.7	15.5	07/23/19	7.9	13.6	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1995-2017	106	0	271	777	5,418	03/20/01	478	4,310	250	106	.	--	0.020	H
Sulfate, in milligrams per liter	2018-2019	20	0	311	998	4,139	03/19/19	381	4,065	250	20	.	--	0.020	H
Ammonia plus organic nitrogen, in milligrams per liter as N	1998	1	0	0.639	NC	0.639	05/14/98	NC	NC	--	--	--	--	--	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	1998-2017	8	0	0.277	0.777	1.46	07/19/16	0.365	1.41	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	8	0	0.567	0.905	2.48	03/13/19	0.624	2.05	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1998-2017	8	3	0 *	0.020	0.150	01/10/17	0 *	0.137	1.70	0	4.48	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	17	5	0 *	0.115	0.487	03/13/19	0 *	0.288	1.72	0	3.91	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1995-2017	23	0	0.608	1.46	18.0	02/15/95	0.858	17.0	--	--	10.0	5	0.040	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	20	0	0.602	3.16	14.1	02/04/19	0.811	10.9	--	--	10.0	8	0.040	--
Nitrite, in milligrams per liter as N	1995-2017	9	0	0.003	0.010	0.070	12/19/94	0.006	0.060	--	--	0.50	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	18	0	0.004	0.014	0.073	03/13/19	0.005	0.059	--	--	0.50	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1998-2017	8	0	0.005	0.033	0.124	05/14/98	0.005	0.110	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	8	0	0.004	0.018	0.077	04/16/18	0.005	0.071	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1998	1	0	0.119	NC	0.119	05/14/98	NC	NC	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter as P	1998-2017	8	0	0.032	0.375	1.20	07/19/16	0.033	1.07	0.17	6	--	--	0.0040	H
Phosphorus (total), in milligrams per liter as P	2018-2019	8	0	0.021	0.339	1.48	04/15/19	0.022	1.15	0.17	6	--	--	0.0040	H
Iron, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/14/98	NC	NC	300	0	.	--	--	NC
Manganese, in micrograms per liter	1998	1	0	14.4	NC	14.4	05/14/98	NC	NC	2,618	0	4,738	0	--	NC
Vanadium, in micrograms per liter	2019	2	0	0.973	NC	1.24	05/10/19	NC	NC	--	--	--	--	0.10	--
Arsenic, in micrograms per liter	2019	2	0	0.84	NC	1.1	05/10/19	NC	NC	--	--	340	0	0.10	--
Boron, in micrograms per liter	2019	2	0	84.7	NC	649	03/19/19	NC	NC	750	0	.	--	2.0	NC

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Selenium, in micrograms per liter	1995-2017	112	0	4.6	23.1	228	03/15/02	11.9	150	4.6	112	18.4	69	0.050	H
Selenium, in micrograms per liter	2018-2019	20	0	5.2	22.2	95.2	02/04/19	6.9	87.5	4.6	20	18.4	10	0.050	H
Selenium (total), in micrograms per liter	1995-2000	5	0	16.0	NC	230	03/15/95	NC	NC	--	--	.	--	--	--
Organic carbon, in milligrams per liter	1998-2017	7	0	4.4	5.7	11.2	03/15/17	4.5	10.3	--	--	.	--	0.20	--
Organic carbon, in milligrams per liter	2018-2019	20	0	1.8	5.4	19.1	03/13/19	3.3	10.2	--	--	.	--	0.23	--
Uranium (natural), in micrograms per liter	2019	2	0	4.9	NC	35.2	03/19/19	NC	NC	--	--	.	--	0.030	--
Suspended sediment, in milligrams per liter	1998-2017	12	0	25	362	2,070	08/09/16	48	1,072	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	8	0	19	215	1,160	04/15/19	30	867	--	--	--	--	1.0	--