

Table 8. Summary of measured constituents and properties for Hansen Canal below Trifurcation near Loveland, Co., station 402524105133300
[--, 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]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Standard or Chronic standard	Number of exceedences Chronic	Acute standard	Number of exceedences Acute	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	2000-2008	110	0	2.78	106	516	03/11/04	30.9	412	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	21	0	27.5	159	486	02/03/10	48.4	274	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	51	22	0 *	1.5	7.3	09/14/06	0 *	2.8	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	20	6	0 *	1.7	12.8	06/09/10	0 *	3.8	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	110	0	7.3	9.9	14.5	01/08/01	8.3	11.7	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	21	0	8.2	10.4	12.4	01/07/09	8.6	11.9	6.0	0	--	--	--	L
pH, in standard units	2000-2008	108	0	6.9	7.8	9.1	09/12/02	7.4	8.3	6.5	1	9.0	--	--	L
pH, in standard units	2009-2010	21	0	7.2	7.8	8.2	08/10/09	7.5	8.1	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	110	0	21.0	52.0	101	05/09/03	32.0	67.4	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	21	0	25.0	62.0	75.0	04/13/09	29.0	73.1	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	110	0	1.3	10.0	21.0	07/25/02	2.5	18.0	20.0	1	--	--	--	L
Temperature, Degrees C	2009-2010	21	0	1.8	8.6	19.3	08/10/09	3.5	17.3	20.0	0	--	--	--	L
Calcium, in milligrams per liter	2000-2008	110	0	2.33	6.03	9.95	12/07/06	3.31	8.16	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	20	0	2.16	6.86	8.94	03/10/09	2.69	8.35	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	110	0	0.48	1.20	2.32	05/09/03	0.74	1.51	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	20	0	0.49	1.41	1.70	04/13/09	0.67	1.59	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	88	0	0.30	0.68	1.08	04/07/05	0.46	0.82	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	20	0	0.29	0.69	1.00	04/13/09	0.43	0.84	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	110	0	1.11	2.20	5.57	05/09/03	1.70	2.94	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	20	0	1.28	2.57	3.98	04/13/09	1.60	3.23	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	88	0	8.08	21.9	32.6	12/07/06	11.3	29.5	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	20	0	8.80	25.4	31.2	03/10/09	10.0	30.4	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	110	10	0 *	1.10	9.53	05/09/03	0.63	1.79	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	20	0	0.82	1.43	5.05	05/06/10	0.90	2.53	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	110	6	0 *	2.88	6.75	05/09/03	1.80	3.88	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	20	0	1.50	3.54	4.71	05/06/10	1.88	4.10	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	109	0	16.0	38.0	73.0	05/17/07	28.5	51.8	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	20	0	24.5	43.2	68.6	05/06/10	31.8	57.5	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	110	1	0 *	0.229	0.392	08/20/04	0.177	0.307	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	20	0	0.144	0.228	0.369	06/09/10	0.198	0.306	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	110	41	0 *	0.007	0.066	08/16/07	0 *	0.023	3.07	0	9.26	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	20	13	0 *	0 *	0.028	09/14/10	0 *	0.018	3.01	0	8.43	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	110	6	0 *	0.057	0.214	07/29/04	0.022	0.132	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	20	4	0 *	0.034	0.126	06/09/10	0 *	0.081	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	110	63	0 *	0 *	0.021	04/14/08	0 *	0.006	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	20	3	0 *	0.006	0.028	04/13/09	0.001	0.013	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	110	8	0 *	0.006	0.032	04/14/08	0.003	0.012	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	20	0	0.003	0.006	0.032	04/13/09	0.004	0.016	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	110	2	0 *	0.018	0.392	09/13/07	0.013	0.029	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	20	0	0.012	0.020	0.044	11/03/08	0.013	0.041	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2000-2008	89	1	0 *	3.46	8.50	06/09/05	2.93	4.65	--	--	--	--	0.5	--

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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	Standard or Chronic standard	Number of exceedences Chronic	Acute standard	Number of exceedences Acute	LRL	Level of concern
Organic carbon (total), in milligrams per liter	2009-2010	20	0	1.70	3.90	7.40	05/04/10	3.27	5.41	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	110	27	0 *	0.16	0.39	09/12/02	0 *	0.21	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	20	0	0.10	0.19	0.24	10/07/09	0.14	0.21	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	109	13	0 *	2.59	302	12/12/03	0.90	5.88	2.26	62	2.94	46	1	H
Copper, in micrograms per liter	2009-2010	20	0	0.84	1.51	6.69	05/06/10	0.94	4.45	2.26	6	2.94	6	--	H
Iron, in micrograms per liter	2000-2008	110	15	0 *	35.0	109	05/26/05	6.60	61.6	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	20	0	19.9	35.2	160	05/06/10	25.0	81.7	300	0	--	--	--	L
Lead, in micrograms per liter	2000-2008	110	46	0 *	0.05	0.33	08/11/05	0 *	0.09	0.42	0	10.7	0	0.08	L
Lead, in micrograms per liter	2009-2010	20	7	0 *	0.02	0.09	05/06/10	0 *	0.05	0.42	0	10.7	0	--	L
Manganese, in micrograms per liter	2000-2008	110	20	0 *	2.08	20.8	05/08/08	0 *	4.04	964	0	1744	0	0.2	L
Manganese, in micrograms per liter	2009-2010	20	0	0.58	2.97	8.91	06/09/10	1.16	5.88	964	0	1744	0	--	L
Mercury, in nanograms per liter	2005-2005	2	0	1.10	3.05	5.00	06/09/05	1.10	5.00	10.0	0	--	--	0.4	L
Nickel, in micrograms per liter	2000-2008	110	22	0 *	0.28	0.98	05/11/06	0 *	0.46	13.3	0	120	0	0.2	L
Nickel, in micrograms per liter	2009-2010	20	0	0.15	0.30	0.56	10/16/08	0.18	0.45	13.3	0	120	0	--	L
Selenium, in micrograms per liter	2005-2007	5	1	0 *	0.07	0.23	06/09/05	0 *	0.23	4.60	0	18.4	0	0.08	L
Silver, in micrograms per liter	2000-2008	110	109	0 *	0 *	0.05	02/20/07	0 *	0 *	0.00	1	0.13	0	0.1	L
Silver, in micrograms per liter	2009-2010	20	17	0 *	0 *	0.02	03/09/10	0 *	0.00	0.00	3	0.13	0	--	H
Benzene (total), in micrograms per liter	2000-2008	101	101	0 *	0 *	0 *	08/28/00	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	98	95	0 *	0 *	0.90	10/25/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	101	95	0 *	0 *	4.40	11/18/04	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	101	100	0 *	0 *	2.00	11/18/04	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	100	100	0 *	0 *	0 *	08/28/00	0 *	0 *	510	0	--	--	0.4	L