

Table 9. Summary of measured constituents and properties for Hansen Canal above tunnel number 5, station 403020105114700  
[--, 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	107	0	2.18	98.3	576	01/16/04	30.0	421	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	20	0	23.1	156	482	02/03/10	34.1	255	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	50	25	0 *	0.6	9.4	06/23/05	0 *	2.7	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	20	8	0 *	1.6	10.0	06/10/10	0 *	3.1	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	108	0	7.0	9.9	13.8	03/15/01	8.2	11.7	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	20	0	7.5	10.4	12.7	01/06/09	8.7	11.8	6.0	0	--	--	--	L
pH, in standard units	2000-2008	107	0	7.1	7.8	9.0	05/09/03	7.5	8.2	6.5	0	9.0	--	--	L
pH, in standard units	2009-2010	20	0	7.1	7.9	8.7	02/03/10	7.3	8.4	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	109	0	21.0	52.0	100	05/09/03	33.0	65.5	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	20	0	25.4	60.0	79.4	04/15/09	30.6	72.9	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	109	0	0.0	10.0	21.5	07/14/05	2.5	17.5	20.0	2	--	--	--	L
Temperature, Degrees C	2009-2010	20	0	1.7	8.4	20.2	08/10/10	2.8	17.4	20.0	1	--	--	--	L
Calcium, in milligrams per liter	2000-2008	108	0	2.38	6.15	10.1	11/19/04	3.37	8.08	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	20	0	2.14	7.19	8.41	04/15/09	2.72	8.22	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	108	0	0.47	1.21	2.28	05/09/03	0.74	1.52	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	20	0	0.47	1.42	1.76	05/04/10	0.68	1.57	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	86	0	0.27	0.67	1.03	01/16/04	0.47	0.83	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	20	0	0.29	0.69	0.97	04/15/09	0.40	0.80	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	108	0	1.15	2.20	5.51	05/09/03	1.70	2.98	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	20	0	1.24	2.53	4.00	04/15/09	1.67	2.94	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	84	0	9.04	22.2	33.4	12/08/06	11.8	29.5	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	20	0	9.46	25.3	31.3	03/11/09	10.8	30.5	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	108	9	0 *	1.07	9.50	05/09/03	0.63	1.83	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	20	0	0.75	1.34	5.04	05/04/10	0.94	2.52	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	108	6	0 *	2.90	6.65	05/09/03	1.86	3.85	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	20	0	1.48	3.54	4.88	05/04/10	1.84	4.10	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	107	0	16.0	39.3	74.0	05/09/03	27.7	50.2	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	19	0	14.0	39.6	60.8	05/04/10	25.9	50.3	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	108	0	0.122	0.230	0.427	09/13/02	0.187	0.291	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	20	0	0.184	0.222	0.369	05/04/10	0.192	0.265	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	108	38	0 *	0.008	0.090	01/16/04	0 *	0.024	3.00	0	8.82	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	20	13	0 *	0 *	0.017	09/14/10	0 *	0.014	2.81	0	8.39	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	108	5	0 *	0.057	0.607	01/16/04	0.021	0.129	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	20	6	0 *	0.028	0.129	06/10/10	0 *	0.090	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	108	57	0 *	0 *	0.039	01/16/04	0 *	0.007	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	20	4	0 *	0.006	0.026	04/15/09	0 *	0.010	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	108	8	0 *	0.006	0.049	01/16/04	0.003	0.015	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	20	2	0 *	0.006	0.030	04/15/09	0.003	0.017	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	108	1	0 *	0.018	0.059	01/16/04	0.012	0.027	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	20	0	0.010	0.017	0.041	05/04/10	0.013	0.036	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2000-2008	85	3	0 *	3.48	8.70	06/09/05	2.80	4.53	--	--	--	--	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	3.10	3.95	7.60	05/04/10	3.35	5.27	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	108	28	0 *	0.17	0.35	09/13/02	0 *	0.22	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	19	0	0.11	0.19	0.25	10/06/09	0.15	0.22	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	107	10	0 *	3.05	11.0	06/20/03	1.00	6.41	1.91	72	2.45	62	1	H
Copper, in micrograms per liter	2009-2010	20	0	0.94	2.44	7.08	03/10/10	1.13	5.57	1.91	12	2.45	10	--	H
Iron, in micrograms per liter	2000-2008	108	16	0 *	33.2	111	05/26/05	2.45	64.8	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	20	0	21.1	38.0	198	05/04/10	25.1	89.3	300	0	--	--	--	L
Lead, in micrograms per liter	2000-2008	108	48	0 *	0.05	0.52	07/11/02	0 *	0.11	0.34	2	8.64	0	0.08	L
Lead, in micrograms per liter	2009-2010	20	0	0.02	0.04	0.10	05/04/10	0.02	0.08	0.34	0	8.64	0	--	L
Manganese, in micrograms per liter	2000-2008	108	22	0 *	1.67	11.8	01/17/03	0 *	3.74	904	0	1636	0	0.2	L
Manganese, in micrograms per liter	2009-2010	20	0	0.69	2.41	7.14	06/10/10	0.79	5.13	904	0	1636	0	--	L
Mercury, in nanograms per liter	2005-2008	4	0	0.90	1.67	5.50	06/09/05	0.90	5.50	10.0	0	--	--	0.04	M
Mercury, in nanograms per liter	2009-2010	6	0	0.81	1.66	5.59	06/10/10	0.82	5.41	10.0	0	--	--	--	M
Nickel, in micrograms per liter	2000-2008	108	22	0 *	0.29	0.93	03/10/06	0 *	0.44	11.3	0	102	0	0.2	L
Nickel, in micrograms per liter	2009-2010	20	0	0.07	0.29	0.68	01/06/09	0.18	0.54	11.3	0	102	0	--	L
Selenium, in micrograms per liter	2005-2007	5	2	0 *	0.05	0.06	06/09/06	0 *	0.06	4.60	0	18.4	0	0.08	L
Silver, in micrograms per liter	2000-2008	108	106	0 *	0 *	0.20	11/06/00	0 *	0 *	0.00	2	0.09	1	0.1	L
Silver, in micrograms per liter	2009-2010	20	19	0 *	0 *	0.01	05/04/10	0 *	0 *	0.00	1	0.09	0	--	L
Benzene (total), in micrograms per liter	2000-2008	98	98	0 *	0 *	0 *	08/28/00	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	93	90	0 *	0 *	0.90	11/08/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	96	72	0 *	0 *	1.70	11/19/04	0 *	0.48	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	96	91	0 *	0 *	0.60	11/19/04	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	98	98	0 *	0 *	0 *	08/28/00	0 *	0 *	510	0	--	--	0.4	L