

2007 City of Fort Collins Drinking Drinking Water Quality Summary

4-Feb-08

Parameter	MCL	Poudre River	Horsetooth Reservoir	SS#2 (HSPS)	WFCWD Office	Service Center	Poudre Valley Hospital	Drake Terrace	PRPA Bldg
Free Chlorine Residual	4	-	-	0.7	0.4	0.4	0.5	0.6	0.4
Temperature	-	8.2	7.9	8.1	15.9	14.8	13.5	10.7	14.1
QuantiTray®, Total Coliform / 100ml	<1	377	920	<1	<1	<1	<1	<1	<1
QuantiTray®, E. Coli / 100ml	<1	16	0	<1	<1	<1	<1	<1	<1
Fecal Strep / 100ml	-	42	3	<1	-	-	-	-	-
Heterotrophic Plate Count / 1.0 ml	-	193	69	<1	9	<1	<1	1	1
Spore Formers / 100ml	-	142	96	<1	-	-	-	-	-
Alkalinity as CaCO3, mg/L	-	22.6	28.9	37.2	37.7	37.6	37.6	37.3	37.9
Aluminum, Reactive, µg/L	-	<15.0	<15.0	27.9	20.1	28.2	19.4	26.9	22.5
Ammonia as N, mg/L	-	<0.02	<0.02	<0.02	-	-	-	-	-
Calcium as CaCO3, mg/L	-	16.4	23.3	43.1	44.2	43.8	44.0	43.1	41.4
Color, APHA Pt/Co units	15	17.5	11.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chlorophyll a, mg/L	-	1.4	1.4	-	-	-	-	-	-
Hardness as CaCO3, mg/L	-	24.7	30.5	49.2	49.2	49.1	48.7	48.0	47.3
Hardness, Lachat as CaCO3, mg/L	-	22.9	30.8	51.1	52.0	51.6	51.6	50.9	48.0
Chlorate, mg/L	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride, mg/L	(250)	1.8	1.3	2.6	-	-	-	-	-
Chlorite, mg/L	1	-	-	0.13	0.12	0.13	0.12	0.13	0.16
Fluoride, mg/L	4	0.1	0.1	0.8	0.8	0.8	0.8	0.8	0.7
Nitrate, mg/L	10	0.05	0.09	0.07	-	-	-	-	-
Nitrite, mg/L	1	<0.04	<0.04	<0.04	-	-	-	-	-
Sulfate, mg/L	(250)	3.5	3.9	12.7	-	-	-	-	-
Langlier Larson Saturation Index	-	-2.3	-2.1	-1.4	-1.3	-1.3	-1.3	-1.4	-1.2
ortho-Phosphate, mg/L	-	<0.005	0.005	<0.005	-	-	-	-	-
pH, pH units	6.5 - 8.5	7.6	7.5	7.8	7.9	7.9	7.8	7.8	8.0
Silica, mg/L	-	7.9	3.2	6.3	-	-	-	-	-
Specific Conductance, µmhos/cm	-	61	73	119	121	120	120	119	117
Total Dissolved Solids, mg/L	(500)	48	50	74	72	72	74	73	70
Total Kjeldahl Nitrogen as N, mg/L	-	0.22	0.24	-	-	-	-	-	-
Total Phosphorus, mg/L	-	0.01	0.01	<0.01	-	-	-	-	-
Turbidity, NTU	1	2.57	3.33	0.14	0.13	0.14	0.16	0.14	0.15
Aluminum, µg/L	(50-200)	241	350	68	67	61	64	70	74
Antimony, µg/L	6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic, µg/L	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Barium, µg/L	2000	15	19	17	18	18	18	18	19
Beryllium, µg/L	4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cadmium, µg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium, µg/L	100	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5
Copper, µg/L	[1300]	<3.0	4.3	<3.0	34.6	15.0	52.4	12.8	27.8
Iron, µg/L	(300)	401	139	16	19	20	16	16	19
Lead, µg/L	[15]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Manganese, µg/L	(50)	12.1	26.0	1.4	<1.0	1.2	1.4	1.4	1.4
Mercury, µg/L	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum, µg/L	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Nickel, µg/L	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Selenium, µg/L	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver, µg/L	(100)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium, µg/L	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calcium, mg/L	-	6.0	8.7	14.6	14.0	-	-	-	-
Magnesium, mg/L	-	1.6	1.6	1.6	1.8	-	-	-	-
Potassium, mg/L	-	0.8	0.8	0.8	0.8	-	-	-	-
Sodium, mg/L	(20)	2.8	2.6	2.8	2.7	2.8	2.9	2.9	4.4
Zinc, mg/L	(5)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Organic Carbon, mg/L	-	3.6	3.2	1.6	1.6	1.6	1.6	1.6	1.8
Total Trihalomethane, µg/L	80	<0.4	<0.4	19	32	33	30	26	32

Notes :

mg/L = milligram per liter or part per million
 µg/L = micrograms per liter or part per billion
 Poudre River = Cache la Poudre River Raw Water at Plant
 Horsetooth Res = Horsetooth Reservoir Raw Water at Plant
 MCL = Maximum Contaminant Level
 () = Secondary level (asthetic)
 [] = 90th stile action level

< = Less Than

WFCWD Office, 2711 Overland Trail
 SS #2 = Sample Station 2, Official Dist. System Entry Point
 WFCWD Office, 2711 Overland Trail
 Service Center, 700 Wood Street
 Poudre Valley Hospital, 1024 Lemay Avenue
 Drake Terrace, 343 W. Drake Rd.
 PRPA = Platte River Power Authority Office