

# 2010 Total Water Quality Composite

Analyte		Jan.	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AVERAGE
Turbidity (NTU)	Raw	6	6	8	16	16	15	17	23	12	16	13	9	13.1
	Clara	0.8	0.7	0.7	0.9	1.2	1.1	0.9	0.8	0.7	0.5	0.6	0.6	0.79
	Fin	0.05	0.06	0.06	0.05	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.05	0.06
pH	Raw	8.0	8.1	8.2	8.1	8.0	7.9	7.9	8.0	7.9	8.0	8.0	8.0	8.0
	Fin	7.2	7.1	7.1	7.1	7.1	6.9	6.9	7.0	6.9	7.0	7.1	7.0	7.0
Alkalinity [mg/l]	Raw	86	84	83	83	82	70	77	80	81	81	84	85	81
	Fin	72	70	70	70	69	56	63	65	67	68	71	74	68
Hardness [mg/l]	Raw	115	107	110	101	97	84	90	97	96	94	110	119	102
	Fin	114	108	109	102	97	84	89	96	96	94	110	119	102
Ca. Hardness [mg/l]	Fin	97	90	92	90	87	72	74	88	79	80	92	99	87
Mg. Hardness [mg/l]	Fin	17	17	17	11	10	12	16	8	18	14	18	21	15
H <sub>2</sub> O Temp (C)	Raw	4	4	5	9	11	14	15	16	15	13	8	6	10
Particle Count (#/L)	Clara	527	323	408	738	1300	1058	888	744	815	456	482	755	708
	Fin	33.6	51.9	89.5	8.8	22.1	37.8	50.2	74.2	15.2	57.3	32.8	23.3	41
Cl <sub>2</sub> (free) [mg/l]	DCB	1.61	1.60	1.57	1.52	1.39	1.42	1.59	1.59	1.60	1.62	1.66	1.60	1.56
Cl <sub>2</sub> (total) [mg/l]	Storage	1.46	1.41	1.41	1.24	1.24	1.17	1.37	1.29	1.31	1.37	1.41	1.42	1.34
Monochloramine [mg/l]	Storage	1.37	1.26	1.13	1.17	1.03	0.95	1.32	1.21	0.99	1.06	1.09	0.95	1.13
Fluoride [mg/l]	Raw	0.30	0.17	0.18	0.15	0.15	0.16	0.19	0.21	0.17	0.16	0.26	0.25	0.20
	Fin	0.94	0.96	1.01	1.03	0.98	0.96	0.95	0.96	0.95	1.00	1.00	0.97	0.98
Specific Conductance [umhos/cm]	Raw	148	184	190	143	130	136	61	72	88	88	76	84	117
	Fin	158	193	200	152	138	144	67	77	96	96	83	91	125
Total Dissolved Solids [mg/l]	Raw	152	NT	180	143	94	163	140	80	120	134	NT	181	139
	Fin	162	NT	174	148	125	189	141	109	143	114	NT	182	149
Ammonia (as N) [mg/l]	Raw	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloride [mg/l]	Raw	2.510	NT	1.620	NT	1.530	NT	0.710	NT	NT	NT	0.940	NT	1.46
	Fin	4.250	NT	3.640	NT	2.120	NT	3.110	NT	NT	NT	3.410	NT	3.31
Copper [mg/l]	Raw	BDL	BDL	0.027	BDL	0.061	BDL	BDL	BDL	0.061	NT	BDL	NT	0.050
	Fin	BDL	BDL	BDL	BDL	0.052	BDL	BDL	BDL	0.041	NT	BDL	NT	BDL
Iron [mg/l]	Raw	BDL	0.010	0.039	0.067	0.103	0.151	0.158	0.122	0.104	0.083	BDL	0.032	0.087
	Fin	BDL	BDL	BDL	BDL	BDL	0.008	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrate [mg/l]	Raw	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Fin	0.3	0.3	0.5	0.0	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3
Nitrite [mg/l]	Raw	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Fin	0.002	0.003	0.001	BDL	BDL	0.001	BDL	0.001	0.001	0.001	0.001	0.001	0.001
Dissolved Oxygen [mg/l]	Raw	8.2	8.7	9.1	6.9	5.4	7.8	7.2	7.4	7.0	7.4	8.1	6.5	7.5
	Fin	9.2	8.9	9.6	8.3	8.0	8.2	7.8	7.9	8.0	6.9	8.8	9.4	8.4
Phosphorus [mg/l]	Raw	BDL	BDL	0.057	0.051	0.058	0.064	BDL	0.071	0.105	BDL	BDL	BDL	0.068
	Fin	0.070	0.083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silicate [mg/l]	Raw	NT	NT	9.8	NT	NT	11.6	NT	NT	NT	NT	7.6	NT	9.7
	Fin	NT	NT	9.6	NT	NT	12.1	NT	NT	NT	NT	7.6	NT	9.8
Sulfate [mg/l]	Raw	49.5	52.2	49.5	42.3	34.0	34.3	30.3	36.3	34.9	36.2	45.9	58.7	42.0
	Fin	66.4	63.4	63.0	57.0	62.6	49.1	45.7	53.0	46.5	46.1	53.5	78.8	57.1