



CITY OF PORT ALBERNI - ENGINEERING DEPT.
FINISHED WATER QUALITY PARAMETERS - AVERAGE VALUE

Parameter	Detection Limit	Units	Allowable Limit	Typical Range	Average* Value
Conventional Parameters					
pH		units	6.5-8.5	7.2-7.8	7.50
Conductivity	1	uS/cm	--	90-110	100
True Color	5	co/pt	15	0-10	3
Turbidity	0.1	NTU	5	0.1-2.0	0.40
Hardness (CaCO3)	1	mg/l	200	16-60	50
Total Dissolved Solids	10	mg/l	500	70-100	67
Total Suspended Solids	1	mg/l		<1	1.83
Alkalinity Total	0.5	mg/l	--	15-76	50.8
Chloride	0.2	mg/l	250	1-5	3.5
Sulfate (as SO4)	1	mg/l	500	0.5-5	2.7
Nitrate and Nitrite(as N)	0.05	mg/l	10	0.003-0.1	0.06
Fluoride	0.05	mg/l	1.5	0-0.15	0.03
Cyanide	0.01	mg/l	0.2	<0.005	0.03
Biological Analysis					
Total Coliform	1	CFU/100ml	0	0-8	0.46
Fecal Coliform	1	CFU/100ml	0	0	0.00
Metals Analysis					
Aluminum	0.15	mg/l		<0.15	0.22
Antimony	0.0005	mg/l		<0.15	<
Arsenic	0.0005	mg/l	0.05	<0.3	0.01
Barium	0.009	mg/l	1.0	0-.013	0.015
Beryllium	0.003	mg/l		<0.003	<
Boron	0.01	mg/l	5.0	0-.03	0.15
Cadmium	0.001	mg/l	0.005	<0.025	<
Calcium	0.01	mg/l	--	5-25	18.96
Chromium	0.01	mg/l	0.05	<0.03	0.02
Cobalt	0.02	mg/l		<0.02	0.03
Copper	0.008	mg/l	1.0	<0.015	0.02
Iron	0.03	mg/l	0.3	.03-1.50	0.04
Lead	0.0005	mg/l	0.05	<0.004	0.002
Magnesium	0.01	mg/l		0.5-1.3	1.03
Manganese	0.004	mg/l	0.05	.005-.05	0.005
Mercury	0.0001	mg/l	0.001	<0.00005	<
Molybdenum	0.02	mg/l		<0.04	<
Nickel	0.05	mg/l		<0.025	<
Phosphorus	0.065	mg/l		<0.4	<
Potassium	0.01	mg/l		0.1-0.3	0.38
Silicon	0.08	mg/l		1-4	3.3
Silver	0.01	mg/l	0.05	<0.03	<
Sodium	0.1	mg/l	20	1-3	2.5
Strontium	0.001	mg/l	1	<0.001	0.038
Tin	0.06	mg/l		<0.03	<
Titanium	0.006	mg/l		<0.006	<
Vanadium	0.01	mg/l		<0.01	<
Zinc	0.015	mg/l	5.0	<0.015	0.021
Zirconium	0.015	mg/l		<0.015	<
Chlorine Residual Levels					
Free Chlorine	0.02	mg/l	0.02-0.7	0.05-0.50	0.28
Chlorine Byproducts (Trihalomethanes)					
Bromodichloromethane	0.0001	mg/l			0.0029
Bromoform	0.0002	mg/l			0.0008
Chloroform	0.0003	mg/l			0.0182
Dibromochloromethane	0.0001	mg/l			0.0039
Total Trihalomethanes	0.0002	mg/l	0.35	0.00-0.03	0.0231

* Average of 7 locations Quarterly tested