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Water Quality Advisory:

- Beaver Lake Source
- Oyama Lake Source

1.0 Bacteriological

Twelve (12) bacteriological samples membrane filtration (MF) and nine (9) Presence Absence (P/A) tests were collected in June from the Lake Country Water System (Beaver & Okanagan Lakes) all of which were negative for total coliforms and E.coli.

Eight (8) MF and four (4) P/A bacteriological samples were collected in June from the Oyama water system (Oyama & Kalamalka Lakes). All samples collected were negative for total coliforms and E.coli.

Four (4) MF and four (4) P/A bacteriological samples were collected in June from the Coral Beach water system (Okanagan Lake). All samples collected were negative for total coliforms and E.coli.

Four (4) MF and two (2) P/A bacteriological samples were collected in June from the Lake Pine water system (Okanagan Lake). All samples collected were negative for total coliforms and E.coli

Results for all bacteriological samples are reported in Tables 1 and 2. Water quality results for physical and chemical parameters tested are in Table 3.

Water System, Source	Tests (MF / P/A)
Lake Country Water System, Beaver Lake Source:	4/5
Lake Country Water System, Okanagan Lake Source:	8/4
Lake Country Water System, Oyama Lake Source:	4/2
Lake Country Water System, Kalamalka Lake Source:	4/2
Coral Beach Water System, Okanagan Lake Source:	4/4
Lake Pine Water System, Okanagan Lake Source:	4/2



Table 1. Bacteriological Results

Winfield Okanagan & Oyama Water Systems	Source	Total Coliforms CFU/100mL	E.coli CFU/100mL	Dates Sampled
Copper Hill	Okanagan Lake	<1	<1	3
Cooney	Beaver Lake	<1	<1	1, 14
Cornwall	Kalamalka Lake	<1	<1	15
Easthill off Todd Rd.	Oyama Lake	<1	<1	15
Evans	Kalamalka Lake	<1	<1	2, 15
Glenmore	Okanagan Lake	<1	<1	2, 16
Jardine	Okanagan Lake	<1	<1	21
Kal Pump House	Kalamalka Lake	<1	<1	2
Lakes Upper Reservoir	Okanagan Lake	<1	<1	16
Oceola	Okanagan Lake	<1	<1	21
Oyama Road South	Oyama Lake	<1	<1	2
Ponderosa	Okanagan Lake	<1	<1	3
Pow Road	Beaver Lake	<1	<1	1, 14
Ribbleworth	Oyama Lake	<1	<1	2, 15
Shoreline	Okanagan Lake	<1	<1	3
Coral Beach Water System	Source	Total Coliforms CFU/100mL	E.Coli CFU/100mL	Dates Sampled
Coral Beach South End B/O	Okanagan Lake	<1	<1	3, 15, 21
Coral Beach Pumphouse	Okanagan Lake	<1	<1	3
Lake Pine Water System	Source	Total Coliforms CFU/100mL	E.Coli CFU/100mL	Dates Sampled
Lake Pine Pump House	Okanagan Lake	<1	<1	3, 16
Lake Pine Upper Reservoir	Okanagan Lake	<1	<1	3
Lake Pine PR Station	Okanagan Lake	<1	<1	16



Table 2. Bacteriological Results-Presence/Absence

System/Site	Source	Total Coliforms	E.coli	Dates Sampled
<i>District of Lake Country</i>				
Hare Road	Beaver Lake	<1	<1	1, 11
Camp Road Shop	Beaver Lake	<1	<1	7
Williams	Beaver Lake	<1	<1	21
Long Road	Beaver Lake	<1	<1	21
Copperhill	Okanagan Lake	<1	<1	3
Ottley Road	Okanagan Lake	<1	<1	8
Lakes Lower Reservoir Cell 1	Okanagan Lake	<1	<1	21
Oceola PRV	Okanagan Lake	<1	<1	21
Oyama Intake Reservoir	Oyama Lake	<1	<1	7
Oyama Road South	Oyama Lake	<1	<1	22
Kal Pump Station	Kalamalka Lake	<1	<1	8
Evans Road	Kalamalka Lake	<1	<1	22
<i>Coral Beach Water System</i>				
Coral Beach South End	Okanagan Lake	<1	<1	9, 11, 21
Coral Beach Pumphouse	Okanagan Lake	<1	<1	11
<i>Lake Pine Water System</i>				
Lake Pine Upper Reservoir	Okanagan Lake	<1	<1	9, 22



2.0 Chemical and Physical Parameters

Table 3 contains monthly water chemistry data collected at sites using the water quality hand-held equipment.

Table 3. Water Quality: Chemical & Physical Parameters

Lake Country Water System	Avg. Chlorine Residual	Avg. Turbidity (NTU)	Avg. Temp. (°C)	Avg. pH	Avg. Cond. (µS/cm)
Beaver Lk.-DS.	1.06	1.14	13.5	6.3	73
Beaver Lk-Raw		1.45	14.1	7.6	66
Ok. Lk – D.S.	0.58	0.36	10.4	7.8	285
Ok. Lk – Raw		0.37	8.1	7.8	273
Kal Lk – D.S.	1.45	0.65	9.6	7.6	405
Kal Lk – Raw		0.56	9.8	7.8	395
Oyama Lk-D.S.	2.78	0.92	13.6	6.0	57
Oyama Lk-Raw		1.05	15.1	7.5	50
Coral Beach Water System	Avg. Chlorine Residual	Avg. Turbidity (NTU)	Avg. Temp. (°C)	Avg. pH	Avg. Cond. (µS/cm)
Ok.Lk – D.S.	0.99	0.49	12.8	7.7	305
Ok.Lk -Raw		0.51	11.5	7.9	274
Lake Pine Water System	Avg. Chlorine Residual	Avg. Turbidity (NTU)	Avg. Temp. (°C)	Avg. pH	Avg. Cond. (µS/cm)
OK Lake – D.S.	1.38	0.37	10.9	7.8	300
OK Lake - Raw		0.57	9.8	8.0	279

**True Colour results for Raw Water

3.0 Notable Events:

None.