

Caduceon Water Sampling July 22, 2008 R.Teed, G. McCulloch, K.Hook

<u>Sample #</u>	<u>WPT#</u>	<u>Site #</u>	<u>GPS</u>	<u>Description</u>	<u>Test</u>	<u>MDL</u> <u>Units</u>	<u>E.Coli</u> 1 ct/100ml	<u>O-Phosp.</u> 0.01 mg/l	<u>Phos.total</u> 0.01 mg/l	<u>Nitrogen</u> 0.1 mg/l	<u>Ammonia</u> 0.05 mg/l
1	5	1	44.50.770N,77.17478W	Upper Lake Boat Launch	Phosphorus, N				<0.01	0.3	
2	6	2	44.51.349N,77.15807W	Jacques Bay	Phosphorus, N				<0.01	0.3	
3	7	3	44.50.729N,77.15363W	Narrows	Phosphorus, N				0.01	0.5	
4	8	4	44.49.379N,77.15344W	Sheldrake Bay	Phosphorus, N				<0.01	0.4	
5	9	5	44.49.500N,77.14732W	Nowell's Bay	Phosphorus, N				<0.01	0.4	
6	11	6	44.49.739N,77.13296W	Truelove/Chisholm	Phosphorus, N				<0.01	0.3	
7	10	7	44.50.717N,77.13424W	O'Borne Bay	Phosphorus, N				0.01	0.4	
8	12	8	44.50.606N,77.12736W	Trails End, Loon L.Lodge	Phosphorus, N				<0.01	0.4	
9	13	9	44.51.193N,77.14015W	Wolf Creek	Phosphorus, N				0.01	0.5	
10	6	2	44.51.349N,77.15807W	Jacques Bay	E.coli		1				
11	8	4	44.49.379N,77.15344W	Sheldrake Bay	E.coli		<1				
12	12	8	44.50.606N,77.12736W	Trails End, Loon L.Lodge	E.coli		2				
13	6	2	44.51.349N,77.15807W	Jacques Bay	Ammonia						<.05
14	14	14	44.50.594N,77.14318W	Henniger Road	Orthophosphate			<0.01			

Interpretation:

There are no areas of immediate concern according to the Lab Manager at Caduceon. The levels of E.coli are a concern if someone was to drink the water untreated. Ideally, no E.coli should be present in the water. This test does not determine the source of E. coli - it could be human, bird or mammal feces.

According to the KFL&A Health Unit in Kingston, they only get concerned with E.coli counts in excess of 100 ct/100ml. (Our highest reading was 2 ct/100ml). At levels >100 they start to consider closing the beaches.

All other sampling and tests do not indicate any level of concern. In fact most are under the MDL (minimum detection limits) which is good. If the result indicates a less than (<MDL level) it indicates the test could not detect the phosphorus, O-Phosphate, Ammonia or E.coli.

The Lab Manager suggests we continue testing every couple of years, with possibly testing more sites for E. coli and compare the results.