



September 5, 2012

HESL Proposal #: J120023

Angie Cathrae
Clerk/CEMC
Town of South Bruce Peninsula
P.O. Box 310
315 Gorge Street
Warton, ON N0H 2T0

Sent by email

Dear Ms. Cathrae:

Re: Sauble Beach Pollution Study – Status Report – Well Sampling

During the week of August 13 to 17 I traveled to Sauble Beach where I was able to take water samples from 44 separate shallow sandpoint wells. All samples were successfully submitted to ALS via Purolator within 24 hours of collection based on the constraints of the measured parameters, particularly *E.coli*. The results are summarized as follows:

Parameter	Mean	Median	Max	Reference Value
<i>E.coli</i>	0	0	0	0**
Caffeine	BD	0	BD	Not Detected
Total Ammonia	0.332	0.089	1.69	No Risk*
N-Nitrate	0.578	0.05	5.11	10**
Total Phosphorus	BD	BD	BD	Not Detected

All units are in mg/L except for *E.coli* which is in mg/100mL.

*Health Canada – poses little to no risk to human health at concentrations detected in North America

**Canadian Drinking Water Quality Guidelines

BD=below detection limit of methodology

Although none of the wells tested positive for *E.coli*, we analyzed a subset of 10 samples randomly chosen from locations closer to the beach for the tracers of fecal contamination. This area was deemed to be a potential source of any contamination to the beach due to the density and age of septic systems in this region and their proximity to the beach.

We recommend the continuation of the sampling regime set out in the work plan to bring the total number of wells sampled up to 100. We plan to undertake the second round of sampling during the week of September 10, so that we can provide a report by the end of October.

Sincerely,
Hutchinson Environmental Sciences Ltd.



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Aquatic Scientist
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