

Soil & Water Conservation Society of Metro Halifax (SWCSMH)

310-4 Lakefront Road, Dartmouth, NS, Canada B2Y 3C4
Email: limnes@chebucto.ns.ca Tel: (902) 463-7777
Master Homepage: <http://lakes.chebucto.org>

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To: **Chair and members, Harbour East Community Council, HRM**
From: S. M. Mandaville Post-Grad Dip., Professional Lake Manage.
Chairman and Scientific Director
Date: November 03, 2005
Subject: **Addendum to the 6-page letter, d/November 01, 2005, Ref.#
hecc_russelllake2005November01 sent to you re "Russell Lake-
several inquiries I have been receiving (all the URLs in our web
space are case-sensitive)"**

I forgot to specify in the November 01, 2005 submission/letter to you that the content matter there was predominantly related to the routine 'eutrophication parameters', but did not include the myriad of typical 'urban stressors' that enter lakes through mostly storm sewer outfalls unless there is 100% removal of all incremental stressors/pollutants!

But I had Cc'd/Bcc'd several detailed emails with extensive scientific and technical synopses on those stressors to some of you.

It is impractical to monitor for all those myriad of stressors since one has to sample almost hourly throughout the years (for certain parameters) to get a good overall picture on the ecosystems!

The better way, as published in several scientific as well as international Government handbooks, is to study the receiving biota for cumulative impacts, e.g., **zoobenthos** and **phytobenthos** as well as any possible **chironomid mentum deformities!**

We have been studying varied aspects of those all over HRM, but since some parts of it are being conducted by us as 'volunteers', scientists notwithstanding, it involves a lot of time (and frustrations)!

We have already published portions of that research in various forms, and other researchers/consultants have already utilized some of it for the benefit of their clients and/or themselves!

Cc: Tony Blouin, Manager (Water), EMS Dept; Paul Morgan, P&D Dept, HRM