

Blouin\_Turkey.txt

From: S.M. Mandaville [limnos@chebucto.ns.ca]  
Sent: Wednesday, May 13, 1998 5:31 AM  
To: Tony Blouin  
Subject: Re: BIOLOGICALLY SUPPORTING SYSTEM TO CLEAN UP THE ENVIRONMENT  
-Forwarded -Reply

I see that. No, I don't know of any case where bacteria have actually been added to restore any lakes though as you know that is routinely carried out in STPs. Perhaps he was mistaken.

Even Biomanipulation, where aggressive piscivores are added to (hopefully) reduce the effects of nutrient loading (i.e. "top-down control") is being scoffed on by leading Canadian scientists like Dr. Vollenweider. Biomanipulation for a long time has been the brainchild principally of Dr. Joseph Shapiro of the Univ. of Minnesota and I think he is still alive. Vollenweider says it is not sustainable on a long term basis without reducing the external loads. Vollenweider considers the world's leading expert in that domain as Dr. Benndorf of Germany who says it would only work after the external load is reduced below a certain threshold value.

Shapiro's theory and I understand he did many experimental projects, is that it is difficult to reduce external loads, especially where most of it is from non-point sources as opposed to point sources. I had summarised the literature some time back in 3 separate files and the links are in the homepage.

I do not know who is correct, it all appears so confusing with everyone claiming they are right. That is why I find Dr. Peter Dillon to be so practical as he preaches PREVENTION! And he places the "most onus" on regulations at the Municipal level as once a lake goes downhill, there is very little proof if indeed anything really works on a sustained level!!

Recently there was a lot of discussion on this on the Email discussion group of NALMS and the consensus was there has been little or no evidence that any restoration work has been sustainable. The question was put by Dr. Bachman of Florida, a leading Limnologist, and not one subscriber to the "Lakes" group could come up with "proof" that any lake restoration really worked!

Peter Dillon has been saying that for decade(s), I don't know where he did his education, but I think at some Ontario University as one of his PhD advisors (not the main one) was indeed Dr. Vollenweider of Environment Canada!

On Tue, 12 May 1998, Tony Blouin wrote:

> Date: Tue, 12 May 1998 18:01:10 -0300  
> From: Tony Blouin <blouint@REGION.HALIFAX.NS.CA>  
> To: limnos@chebucto.ns.ca  
> Subject: Re: BIOLOGICALLY SUPPORTING SYSTEM TO CLEAN UP THE ENVIRONMENT  
> -Forwarded -Reply  
>  
> His English is a little difficult to interpret, but I believe he means  
> "bacteria", not batteries! I don't know if that helps any?  
>