

Sarah Baines

From: Wilson, Anne [Yel] [Anne.Wilson@EC.GC.CA]
Sent: Friday, August 10, 2007 10:51 AM
To: Sarah Baines
Subject: BHBP Request for August-only water sampling.

Good morning Sarah,

I've reviewed the request and supporting rationale from BHBP to eliminate the July and September sampling of lake AEMP stations. As noted by other reviewers, the use of only major ion and nutrient parameters doesn't give us a full picture of the potential for seasonal variability. Chloride is a conservative parameter, in that we wouldn't expect to see uptake or removal from the water, so that was a good choice to review. However, we don't know that August will be representative of the full season with respect to the various metal parameters. For example, seasonal variation in pH could potentially increase levels of metals post-freshet, and see them drop somewhat late in the season. When looking at comparability, we also need to see if actual concentrations are comparable, not just the variability (as detailed by Barry Zajdlik).

In general, the approach was a good start, but we need to have a look at the metal parameters of concern, and to evaluate whether concentrations vary appreciably over the season before proceeding with August-only sampling.

Sorry for the late and limited review here, and thanks for the extra time!

Anne

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