

**Missisquoi Bay Basin Project:
Identifying Critical Source Areas of Pollution**

**Summary of Peer Reviews
IJC Deliverable for Task 4, Subtask 1: 12 November 2009
Executive Summary**

Five anonymous peer reviewers were selected by the IJC to provide feedback on the LCBP's approach to identifying critical source areas of phosphorus pollution (CSAs) within the Missisquoi Bay Basin. They were provided summaries of the project, possible analytical approaches, workshop proceedings, geographic data available for modeling as well as a draft of "Research and Management Objectives and Desired Outcomes" (appended) and the Short-term Monitoring Quality Assurance Project Plan. The reviewers' were asked to respond to the following questions posed to them by the IJC:

- Are the management outcomes described in the "Critical Source Area Objectives and Outcomes" document realistic?
- Does the approach seem sound given the background of discussions described in the "Workshop Summary and Report" document?
- Do the analyses that are proposed in this document support the desired objectives and outcomes?
- Do the models listed in the "Possible Analytical Approaches" document make sense given the desired objectives and outcomes? Are there other models that would support the desired objectives and outcomes? Can these models be done with the data available or obtainable? If not, what data is needed?

Reviewers placed a strong emphasis on the importance of standard GIS analyses in addition to modeling efforts. They also noted that data availability may limit the modeling work, especially at the tactical level. On the whole, they approved of the objectives and outcomes of the project, but warned against some of the challenges of modeling.