

April 13, 2016

Paper Mill Lake Watershed Assessment

Regional Watershed Advisory Board presentation of project objectives to incorporate feedback into the work plan and associated deliverables.

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Objectives

- 1) Identify known and likely sources of phosphorus to Paper Mill Lake and Kearney Lake, and the relative magnitudes of these sources where possible.
- 2) Recommend practical means to validate estimates of phosphorus loading coefficients, annual loads, or both.
- 3) Given available information, assess if phosphorus loading is predominantly driven by external loading or internal loading. Recommend additional studies if required to validate the outcomes of the assessment.
- 4) Recommend a water quality monitoring program designed to determine if phosphorus loading from the Bedford West subdivision is increasing over time, both over the entire subdivision and on a sub-area by sub-area basis.
- 5) Recommend an appropriate, reliable, and conventional methodology that the Municipality should adopt to determine the current trophic state of a watershed, which may or may not be limited to the use of Total Phosphorus.
- 6) Outline the potential consequences of adopting alternative water quality management thresholds. Factors that may impact trophic status and body contact recreation opportunities will be identified (e.g., frequency, toxicity, size of affected area) to enable well informed decision-making regarding the scope and impact of monitoring program and watershed management.

Reporting and Deliverables:

RWAB Presentation #1	April 13, 2016
Draft Report	June 30, 2016
Meeting to discuss Draft Report	July 11, 2016
RWAB Presentation #2	July 13, 2016
Final Report	July 29, 2016