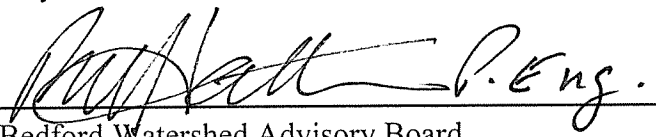


North West Community Council
July 10, 2008

TO: North West Community Council

SUBMITTED BY:


Rick Hattin, Chair, Bedford Watershed Advisory Board.

DATE: April 28, 2008

SUBJECT: Paper Mill Lake - Threshold Values for Water Quality

ORIGIN

February 27, 2008 meeting of Bedford Watershed Advisory Board.

RECOMMENDATIONS:

The Bedford Watershed Advisory Board recommends to North West Community Council that the threshold values for water quality in Paper Mill Lake be set to 10 micrograms per litre for total phosphorus, and for fecal coliform be set to 200 counts (MPN) per 100 ml at any location for the arithmetic mean on measurements taken within a given calendar year, and 400 counts (MPN) per 100 ml for a single measurement.

BACKGROUND

At BWAB's February 27, 2008 meeting, during discussion on the Bedford West Stormwater Management Plan for sub-areas 3, 4, and 6, the issue of establishing thresholds for water quality for Paper Mill Lake was discussed, and the above recommendation was passed.

DISCUSSION

The Bedford Watershed Advisory Board considered the following information in determining that the threshold value for water quality in Paper Mill Lake be set to 10 micrograms per litre:

- a. The history of the results of water sampling of the lake over the last five years, including archival data from 1990. The average phosphorus reading ranged between 4 and 6 micrograms per litre.
- b. The Guidelines for Water Quality as set out by the CCME (threshold values for change set to 1.5 times the average historical readings),
- c. The requirement to maintain the biological state of the lake in its current state - while allowing development to occur around and adjacent to Paper Mill Lake.
- d. The recommendations of Dr. Tony Blouin, HRM Water Quality Manager

BUDGET IMPLICATIONS

None associated with this report.

FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation.

ALTERNATIVES

None associated with this report.

ATTACHMENTS

None.

A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/agenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

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