

Page 1 of 2

Assumptions

- GST included for now; will be deleted if the client, Half Moon Lake Residents Association, is GST exempt
- Key objectives as defined by R. Normandeau Aug. 2, 2016 are: (1) evaluate the feasibility of options for the control of nuisance bluegreen algae (cyanobacteria) control in Half Moon Lake;
- (2) evaluation to include physical, chemical, and biological control agents; (3) approximate range of costs in Alberta to implement these various options, including up front capital costs and ongoing operating costs.

This will be based on the best available costs estimates from Alberta, or elsewhere in North America for options not used in Alberta; (4) potential secondary impacts of implementing these options on wildlife or other aquatic organisms; (5) identify any concerns or regulatory constraints from the Government of Alberta; (6) this evaluation will be entirely based on the available water quality data and lake morphometry. Critical missing data will be identified. It is anticipated that some options will require further data collection.

- some water quality sampling has been done in at least 1982, 1987, 1990, 2011 by U of A and AB government. Most recent report was done by Lakewatch in 2011, but not intended to evaluate management options.

-a phosphorus budget would greatly assist treatment option evaluation, if one is available, as it would determine if internal P loading is the most important P source currently

-report will be prepared for a non-technical audience

- Up to two copies of the final report, unbound, can be printed if required on our office printer. The final report will be supplied as a pdf file.

- All review comments will be supplied in a compiled deficiency statement, with some sorting to eliminate redundancy.

- Draft and Final Report completion dates acceptable to the client and consultant will be negotiated.

- Will use 0.5 detection limit (DL) substitution, to be consistent with previous AENV work, and because many variables were mostly <DL.

- No incidental costs such as courier or printing.