

The following BLLB financial information is **CONFIDENTIAL**, provided to Bear Lake Residents **ONLY** via the [//laketon.org/BLLB](http://laketon.org/BLLB) website, and is **NOT** to be **PUBLISHED** on any other website (including Social Media).

Total Cost to be expended by the BLLB to Restorative Lake Sciences (RLS) is \$22,000 for 2021.

1. Have a Consultant Scientist in attendance at Board meetings that are conducted for purposes of improvement to Bear Lake or upon request to present critical information to the Board. **Cost: \$3,500**
2. Assistance with preparation of any required herbicide, harvesting, and/or biological control contractor bid documents, or other contractor bid documents (i.e., aeration, bio-augmentation, etc.) upon request of the Board. **Cost: Not anticipated for 2021.**
3. Technical assistance and dissemination of scientific information to the Board regarding the ecological status of Bear Lake or other factors (external or internal) that may affect the balance of the Bear Lake aquatic ecosystem. **INCLUDED UPON REQUEST OF BOARD.**
4. Assessments of the efficacy of herbicide treatments for emergent aquatic vegetation such as Phragmites as well as submersed, floating-leaved vegetation and algae. Consultant will provide detailed maps of the progress of treatments demonstrating reduction of the invasive, nuisance natives, or algae over time. **Cost: \$2,550.**
5. Oversight of all lake treatments and management of the lake, including GPS grid point aquatic vegetation surveys (including exotic emergent aquatic plants), analysis of vegetation data, and development of detailed polygon maps showing the locations, percentage covered, and weed bed size of all invasives as well as detailed aquatic vegetation biovolume maps that demonstrate the biovolume of all aquatic vegetation in Bear Lake. These maps will be provided to the selected treatment contractor(s) so that they can access specific GPS points for treatment as determined by the Consultant. **Cost: \$3,825**
6. Review of contractor invoices received by Consultant from the contractor and submission of those invoices to the Board upon approval. Also included will be mil-foil polygon overlay maps that show the treated areas and any re-treat areas for the most objective treatment evaluation. **Cost: \$425**
7. Periodic water quality sampling (which includes the parameters of water temperature, dissolved oxygen, pH, turbidity, total dissolved solids, conductivity, total phosphorus, soluble reactive phosphorus, total Kjeldahl nitrogen, total suspended solids, chlorophyll-a, Secchi transparency, and algal community composition at the two Deep Basins and Tributaries (if running) in early spring, and late summer/fall. Note: If EGLE requires additional testing for any water quality testing, those costs would be additional to this item and this agreement would be modified. **Cost: \$10,000**

8.Preparation of a Bear Lake annual progress report (primarily updates on the current treatment program and proposed future plans will be presented each fall/winter) - the reports will include all water quality data, aquatic vegetation survey results and maps, tables showing the biodiversity and relative abundance of native aquatic plants in the lake, and verification that contractor activities were successfully executed along with treatment dates and the amount of each product used. Over time, much of this data can be presented in trend graph format but a few solid years of data are needed to provide this format. **Cost: \$1,700**

9.Assistance with any tax tribunals and other official duties that must be legally performed to keep the Board in compliance with the State of Michigan laws. **INCLUDED**

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