

July 30, 2008

The North Lakes Homes Association board has been searching for a solution during the past several years to address the build up of silt and biomass in the large lake. It was anticipated that expensive dredging would be required to alleviate this problem. Recently, an alternative was presented to the board to treat the biomass with an organism that would chemically digest the biomass. This alternative has the full support of the board and as such, this petition is directed to the community for concurrence.

The Board of Directors proposes the following action on behalf of the community:

- 1) To commence treatment of both lakes in the community with BioExcavate™ during the hottest days of the summer to maximize its effectiveness. BioExcavate™ is an application that contains a microorganism which feeds on accumulated biomass at the bottom of the lakes. Excavate has been used successfully to treat golf course lakes – it is both safe and effective.
- 2) Treatment includes a \$1,500 - \$2,000 one-time fee to survey each lake for most effective quantity and placement of BioExcavate™. Cost of material is \$3,000 per acre treated, which is likely to be less than ~8 acres of combined lake surface area. The actual amount will be determined by the survey. Application cost is estimated to be in the range of \$15,000 - \$20,000.
- 3) The lakes are likely to require two-to-three treatments to obtain optimal benefit. Total cost of three treatments is expected to cost \$50,000 - \$70,000, which is 10% - 20% of the estimated cost of dredging the larger lake, alone. The provider is offering a 100% refund on the first treatment and a 50% refund on subsequent treatments if we are not satisfied with results. Maintenance treatments of a dilute Excavate solution are likely to be needed at an estimated cost of \$250 per application four-to-six times per year.
- 4) BioExcavate™ will potentially eliminate the need for dredging. If dredging should be required at some point in the future, BioExcavate will have reduced the cost of dredging by eliminating the biomass that currently co-exists with the silt. Under normal conditions, this biomass represents roughly 80% of the mix of silt and sludge.

The total cost of three applications of BioExcavate™ and ongoing maintenance treatment can be addressed with the existing budget allocation for lake dredging. **NO ADDITIONAL DUES ARE REQUIRED TO IMPLEMENT THIS PROPOSAL.**

By my signature, I agree to this proposal:

Name:

Date:

Address:

---

Please send to: Larry Bates, NLHOA Secretary

6005 NW 78<sup>th</sup> Court, K.C. MO 64151