

To: Tony Groves  
Progressive AE  
1811 4 Mile Road  
Grand Rapids, MI 49525

4/1/05

From: Lake Manuka Association, Inc.  
P.O. Box 891  
Gaylord, MI 49734

Subject: Request for Quotation

### ***Background***

Lake Manuka is a 150 acre spring fed lake located in Otsego County, Michigan that has lost approximately 4 feet of depth over the last 7 years. This loss of water depth has aggravated an already aggressive weed growth problem in select areas of the lake, and exposed muck along areas of the shoreline. The resulting combination has limited the use of the lake by many types of powered watercraft. The resulting loss of recreational uses such as swimming, water skiing, and fishing has adversely affected property values.

Your firm has been recommended as one which, has experience in dealing with many of the issues affecting our lake. The Lake Manuka Association, Inc. is requesting a two-part quotation and statement of work aimed at providing remedy to these situations.

Part One of the quote will contain costs and timing required to provide an analysis of the lake and recommendations of possible remediation techniques for the-above-described problems.

Part Two of the quote shall contain the costs and timing required to carry out the remediation work recommended in Part One.

We are also interested to know if you will be able to present your firm and your ideas to our membership at our annual meeting to be held May 28, 2005 in Gaylord, MI. Please respond to this latest request no later than April 25<sup>th</sup>.

Thank you for your attention to this matter.

Sincerely,

Charles R. Winger  
President, Lake Manuka Association

## Details

When submitting your Quote, please include a detailed statement of work describing at minimum:

- Specific engineering experiences for similar projects, qualifications of technical staff, and a company profile. Include project references and contacts.
- Detailed billing information including billing rates
- Detailed scope of services for:
  - Water level: Specifically augmentation wells, but other concepts are encouraged. This should include definition of an “acceptable” level, and monitoring techniques to maintain that level.
  - Weed control: Address Chemical, Biological, and/or Mechanical methods.
  - Muck control/removal: Address Aeration, Dredging, Biological, or Chemical methods.
  - Dredging sand bars for improved navigation.
- Each topic covered will also address:
  - Effectiveness of each concept alone.
  - Effectiveness of concepts used in combination.
  - Estimated implementation costs.
  - Estimated on-going maintenance methods and costs.
  - Clearly define all possible consequences to the lake and the surrounding environment, both positive and negative. Also include how these consequences would be monitored and evaluated.
  - Outline Legal implications and requirements for each course of action. These should include both current and future riparian rights.
  - Your estimate of our chances for approval from the DNR / DEQ and local regulatory agencies for any one of these projects.
- A detailed timeline showing the start, milestones and end dates needed to complete Part One of the quote.
- A detailed timeline showing the start, milestones and end dates needed to actually implement the remediation techniques, as discussed in Part Two of your quote.
- A list of personnel, equipment and any other resources your company will assign to assure successful completion of the project. Include detailed information for subcontractors.

Other requirements:

- Final report to be in electronic form, unless otherwise agreed upon by the Lake Manuka Association, Inc.
- Provide details of Insurance Coverage.
- All quotes are due to the Lake Manuka Association, Inc. by COB May 28, 2005.

Should you decide to participate in this quote process, the Lake Manuka Association will provide the following documents:

- A current map of the lake and the surrounding watershed.
- The 1980 report: "Water Quality Assessment and Management Strategy for Manuka Lake".
- The 2001 report: "Sediment Sampling of Proposed Dredge Area for Lake Manuka".
  - Both reports will contain a description of the study area and photographs of the lake.
- A 2004 Aerial Photo focusing on sandbars.
- A copy of our application to become a legal lake association with the Michigan Lakes and Stream Association, Inc.
- Copy of State of Michigan Non-Profit Registration

Please address any questions regarding this quote to:

Larry Patritto  
4754 Manuka Trail  
Gaylord, MI 49735

989-732-7260  
patritto@stellardirect.com