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April 4, 2008

To: Rice Lake Association
From: Steve McComas, Blue Water Science

Re: **RICE LAKE PROJECTS FOR 2008**

This letter represents a contract for work on Rice Lake Projects for 2008. The project period is through December 2008, however, the report can be finished before that date if possible.

The Project tasks and costs are outlined in Attachment A.

The total cost for Tasks 1, 2, and 3 is \$9,100.

AGREEMENT FOR SERVICES

Accepted to perform tasks as outlined in this Letter and in Attachment A by:

Signature _____
Name _____
Title _____
Date _____

Thank you for this opportunity. Please contact me any time for any questions.
A signed and returned copy of this letter is my authorization to proceed.

Cordially,
Blue Water Science

Steven R. McComas
President

ATTACHMENT A

Blue Water Science Responsibilities

Task 1. Aquatic Plant Surveys

Number of surveys: Two surveys per growing season are recommended for Rice Lake. The early summer survey will characterize curlyleaf pondweed as well as native plants. The late summer survey will characterize Eurasian watermilfoil as well as other native plants.

Sample site data collection method: The following minimum information will be collected at each sampling location. Methods for collection of each type of data are shown in parentheses.

- Number of samples taken (4 samples per depth will be taken and then averaged for that depth and three depths per transect will be sampled)
- Plant “cover”. (Although true cover estimates may be difficult from a boat the survey results will note “matted” areas vs. sparse vegetation; or some similar descriptive estimate. We will use photographs to help explain the density measurement system.)

Report Content: A summary report will be provided that summarizes results and conclusions of the Rice Lake plant surveys. The report will include aquatic plant maps showing plant species distribution based on the field evaluation. The distribution of floating leaf species as well as invasive species such as curlyleaf pondweed and Eurasian watermilfoil will be mapped and included in the report. Tables showing plant densities and percent occurrence of all submerged aquatic plants will also be provided.

Final Report: We will prepare 10 copies of a final report for Rice Lake. The report will be provided in Adobe pdf file as well.

Cost

Lake	Approx. Lake Area (acres)	Early Summer Survey Cost	Late Summer Survey Cost	Total Survey Cost*
Rice	333	1,500	1,500	3,000
				TOTAL: \$3,000

* Total survey costs includes two aquatic plant surveys, labor for the field work, plant statistics, plant maps, and aquatic plant recommendations.

Task 2. Fish Survey

Conduct a fish survey of Rice Lake using MnDNR-style fyke nets. Characterize existing fish conditions and compare to previous fish survey results. We will employ six to eight fyke nets for three days.

There will be one day of net installation followed by three days of net sampling. Net removal will occur on the fourth day.

A report will be prepared that summarizes results and makes comparisons to previous surveys along with fish management recommendations.

Quote includes: net rental, boat use, field work, and report preparation.

Cost

Lake	Approx. Lake Area (acres)	Fish Survey Labor	Fish Survey Data Analysis and Report	Total Survey Cost
Rice	333	4 days	2 days	\$5,000
TOTAL:				\$5,000

Task 3. Barley Straw Installation

Install barley straw in a SE Bay in Rice Lake, approximately 2 acres in size. Install 700 pounds of straw and sample the bay for phosphorus once per month from May through September.

Total for barley straw, installation, and monitoring: \$1,100.

Cost: \$1,100

Total for Three Tasks: \$9,100