

PROPOSAL
FOR
MAPPING SEDIMENTATION
IN LAKE SALLIE

A.W. RESEARCH LABORATORIES

- WATER ANALYSIS • LAKE ANALYSIS •
- ENVIRONMENTAL AERIAL PHOTOGRAPHY •

DATE: October 30, 1995

TO: Pelican River Watershed District
Richard Hecock
803 Roosevelt Avenue Suite 100
Detroit Lakes, MN 56502

SUBJECT: **PROPOSAL FOR MAPPING SEDIMENTATION IN LAKE SALLIE**

FROM: Gordon Johnson
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INTRODUCTION

A.W. Research Laboratories (AWRL) photographed a fill location on Lake Sallie that was starting to wash away into the lake. Subsequently, the sedimentation's are forming a very large plume around the south end of the lake and towards the middle as well. This plume will have an effect on the water quality of Lake Sallie. To determine the extent of how this plume will affect the lake, AWRL proposes to map the sedimentation plume as described in the following proposal.

PROPOSAL

AWRL proposes to conduct a data collection overflight of Lake Sallie. This data will be processed using Water Watch™ computer software. Water Watch™ allows the user to map certain objects based on their spectral signature and false color the detected areas for easy identification.

Collected data of Lake Sallie will be processed using Water Watch™ and a false colored map of the sediments will be generated to aid in determining the extent of damages caused by the sediment disturbance area.

PERFORMANCE SPECIFICATIONS

The following conditions are to be met by A.W. Research Laboratories on acceptance of this bid:

1. All materials, supplies, labor, transportation, etc., will be provided by A.W. Research Laboratories.
2. The final report will contain the following:
 - a. A false colored map showing the location and extent of the sedimentation plume.
 - b. 35mm color photographs of the area of concern along with the sedimentation plume.
 1. Slides will be numerically correlated with a map for easy orientation.
 2. Slides will be mounted in clear plastic slide pages for storage.
 3. Video data will be provided on a standard VHS tape.
3. Time table for the project:

The overflight will be conducted as soon as possible before settling of the sedimentation plume takes place.

The following conditions are to be met by the Pelican River Watershed District on acceptance of this bid:

1. All payments will be made in accordance with the terms provided in the following financial section of this document.

**SPECIFICATIONS FOR A FALL SURVEILLANCE OVERFLIGHT OF
THE PELICAN RIVER WATERSHED**

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Overflight of Lake Sallie as outlined in the proposal dated October 30, 1995.

The total cost of the project as specified in this bid with one copy of the final report presented to the Pelican River Watershed District not to exceed \$965.50

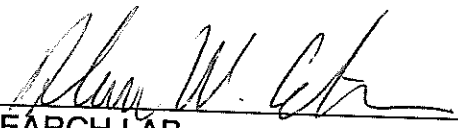
Flight to be conducted as soon as possible.

Payment will be made upon submittal of final report.

SIGNATURE BELOW CONSTITUTES ACCEPTANCE OF ABOVE SPECIFICATIONS

RICHARD HECOCK (Pelican River Watershed District)

DATE



A.W. RESEARCH LAB

10/30/95
DATE

Please return to address listed on the title page of this proposal. The unit price and estimate charges in this proposal will be in effect through December 31, 1995. Beyond that time they will be subject to review and revision.

If additional A.W. Research Laboratories services would be required, such as further attendance at meetings, further research, data analysis, or field sampling they will be provided on a time and material basis confirmed through a written request for services.

NOTICE OF PUBLIC HEARING

APPLICANT: GARY MARTIN

APPLICANTS ADDRESS AND PHONE NUMBER: 1525 9TH ST. NORTH FARGO, ND 58103
DAY PHONE (701) 232-0702 OR 239-7779

HEARING DATE AND LOCATION: TUESDAY, NOVEMBER 21, 1995, @ 7:30 P.M.
COMMISSIONERS ROOM-BECKER COUNTY COURTHOUSE
DETROIT LAKES, MN. 56502-0787

APPLICATION AND DESCRIPTION OF PROJECT: REQUEST A CONDITIONAL USE PERMIT FOR LAND ALTERATION ON PROPERTY DESCRIBED BELOW. PROJECT WILL INCLUDE RESLOPING THE DESCRIBED PROPERTY TO STABILIZE AND REINFORCE THE HILLSIDE FROM FURTHER EROSION INTO LAKE, IN PREPARATION FOR FUTURE BUILDING CONSTRUCTION.

REFER TO BECKER COUNTY ZONING ORDINANCE SECTIONS: 12, 15, 21

LEGAL DESCRIPTION:

OUTLOT "A", BLOCK ONE (1), LAKERIDGE SUBDIVISION, SECTION SEVENTEEN (17), TWP 138, RANGE 41, LAKE VIEW TOWNSHIP, PROPERTY OWNED BY DALE HAGEN.

PROJECT LOCATION: ON THE EASTERLY SHORE OF LAKE SALLIE, APPROXIMATELY TWO (2) MILES SOUTH OF THE INTERSECTION OF COUNTY ROAD #6 AND STATE HIGHWAY #59, AND ONE-FOURTH (1/4) MILE WEST ON A TOWNSHIP ROAD.

Replies/Comments: Interested parties are invited to submit to the Becker County Environmental Services Office, Department of Planning, Zoning, and Land Use, written facts, arguments or objectives before the scheduled date of the Hearing. These statements should bear upon the suitability of the location and the adequacy of the Project and should suggest any appropriate changes believed to be desirable. Replies may be addressed to:

PLANNING AND ZONING DEPARTMENT
DAN A. HOLM, ADMINISTRATOR
829 Lake Avenue
P.O. Box 787
Detroit Lakes, MN. 56502-0787

FAX Number 218-846-7266

If you have questions about the Project, feel free to call 218-846-7314.

Jurisdiction: This Project comes under the Regulatory Jurisdiction of the Becker County Zoning Laws.

Regulatory Authority: This Application will be reviewed according to the provisions of Sections Twelve (12), Fifteen (15), Nineteen (19), of the Becker County Zoning Ordinance.

The decision whether to issue a Permit will be based on an evaluation of the probable impact including cumulative impacts, of the proposed activity. That decision will reflect the concern for both protection and utilization of important resources. All factors which may be relevant to the proposal will be considered including the cumulative effects: Land Use, Shoreline Protection, Water Supply and Conservation, Safety, Economics, in General, the Needs and Welfare of the People.