



Mark Wagg
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Peter Mason

Ministry of the
Environment

West Central
Region

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August 29, 1978

Telex 061-8412

Mr. J. G. Hutchison
293 Longfellow Drive
Waterloo, Ontario
N2L 2S2

Dear Jack:

Since our telephone conversation August 28th, I was in contact with the Phytoplankton Taxonomy Unit in the Ministry's Rexdale Laboratory.

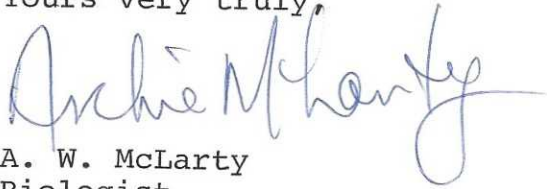
Your initial phytoplankton sample has been cursorily identified. I have requested that a report listing all types present, as well as the relative proportions of the dominant forms be mailed to you directly.

I have also requested that a Sedgwick-Rafter counting cell be forwarded to you with that report. Fixation of the water samples with Lugol's preservative I provided you is the only preparation required before counting. Simply mix the preserved sample thoroughly and fill the cell with a 1 ml aliquot, add the cover slip and view through the microscope at appropriate magnification. P. S. Welch's "Limnological Methods" (McGraw-Hill, 1948, 381 pages) provides a good review of plankton collection, preservation and analytical techniques.

It may well be that the Secchi/chlorophyll approach should be abandoned in favour of other methods. As I indicated, I will review the available publications on Sunfish Lake and contact Drs. Brown and Duthie in order to determine the best course of action to follow in the study and management of the Lake.

I ask that you continue the chlorophyll sampling at least temporarily, and I will contact you in the near future.

Yours very truly,

A handwritten signature in blue ink that reads "Archie McLarty". The signature is written in a cursive style with a long, sweeping tail on the final letter.

A. W. McLarty
Biologist
Water Resources Assessment

AWM/bc