HENRY MORGENTHAU, JR. Commissioner HERBERT E. GASTON DEPUTY COMMISSIONER

JOHN T. GIBBS

STATE OF NEW YORK

DIVISION OF FISH AND GAME WILLIAM C. ADAMS, DIRECTOR



## CONSERVATION DEPARTMENT ALBANY

April 10, 1933

Mr. Edmund O. Luthy P. O. Box 232 Cincinnati, Ohio

Dear Mr. Luthy:

I am enclosing a letter in which Mr. Odell gives the facts upon which he based his conclusion that minnows are scarce in Eagle Lake. I believe that almost certainly his conclusion is correct as far as the upper end of the lake is concerned. As to the lower end, it seems quite probable that some minnows may be found there. This shallow weedy portion would furnish the best shelter for minnows and it is the logical place to expect to find them.

Whether stocking with minnows in the upper end of the lake would have a fair chance of success depends, in my opinion, upon what species, if any, are now in the lower lake. If these are remnants of species which are ecologically well suited to the upper lake it would seem unreasonable to suppose that any minnow species could be established there in the face of the competition which has forced out such well suited native species. If the resident minnows are well suited only to the limited shallow, weedy area of the lower lake, it will, I believe, be worth while planting one or more species which are well suited to the quite different conditions in the upper lake. If I possibly can I shall do enough seining in the lower lake at an early date to be able to make an intelligent decision on the matter. It is my opinion now that If the correct species of minnows can be secured in sufficient numbers, stocking with these in the upper lake will have a good chance of improving food conditions in the lake generally.

Sincerely yours,

C. Wellard Grune

C. Willard Greene Aquatic Biologist

CWG/G Enc.