Original: Fish Division cc: Lir. Ruhl Claude Lydell 1-26-37

INSTITUTE FOR FISHERIES RESEARCH DIVISION OF FISHERIES MICHIGAN DEPARTMENT OF CONSERVATION COOPERATING WITH THE UNIVERSITY OF MICHIGAN

A. S. HAZZARD

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July 17, 1937

ADDRESS UNIVERSITY MUSEUMS ANN ARBOR, MICHIGAN

REPORT NO. 424

EXAMINATION OF FOX LAKE

Locality: T. 11 N., R. 16 W., Sec. 5, Muskegon County, Michigan

On August 8, 1936 an examination was made of Fox Lake. This lake at one time was apparently of a moderate size and was well developed with boats and surrounding cottages. In the last few years it has dried up until at the time of examination only two or three ponds were left scattered over the bottom of the basin, which was mostly overgrown with sedges and grasses.

Pond 1

Air 78° F.; water 86° F.; time 10:00 a.m.; maximum depth about 6 inches; area about 1/40 acre.

Vegetation: <u>Naias, rare;</u> <u>Potamogeton, rare;</u> <u>Scirpus</u> <u>americanus</u>, rare around shore.

Fish: A few small unidentified minnows were present, mostly pinheads and many dying.

Bottom: sand.

Pond 2

Area: About 1/2 acre. Depth undetermined, possibly 1 - 2 feet.

This pond lies in the middle of a sand and peat flat, and has a marshy shore. The total area of water remaining at the time of examination was less than 5% of area when lake was full.

The water table is at least 9 feet below the former shoreline.

At the time of examination, what remained of this lake was totally unfit for planting game fish with any hopes of survival for development of fishing.

INSTITUTE FOR FISHERIES RESEARCH

L. A. Woodbury

Copy to R. A. Smith 7/3/46 np

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