

# Memorandum

To : Files

Date: March 9, 1972

From : Department of Fish and Game

Subject: Taylor Lake, 1971 Management Summary

Management activity on Taylor Lake, above Indian Valley, in 1971 was limited to gill netting.

Seasonal aid Linda Y. Andrews, with assistance from a friend, set two standard sample mesh gill nets (125 feet x  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$  inch square mesh) overnight on September 16, 1971. Set number one was a sinking set on the bottom of the northwest end of the lake, and set number two was a floating set in the southeast end of the lake. The bottom set took only one golden shiner. The floating set took 8 brook trout and 186 golden shiners. Length distribution for all fish caught is provided in Table 1.

The length distribution of the shiners suggests two, and perhaps three separate year classes. The brook trout ranged in weight from 7 to 30 ounces, and were actively feeding on the shiners. Four thousand fingerling brook trout were air dropped on July 21, 1971, but not one of these showed in the nets. Presumably predation from the large trout and competition with the golden shiners promotes nearly total mortality of the fingerlings. This lake can grow large brook trout, which is an unusual situation. It is also accessible by road. Accordingly, I am recommending a change from fingerling to catchable-sized brook trout for 1972.

Richard Flint  
Asst. Fishery Biologist

cc: Wdn. Dunham

Table 1

Taylor Lake, 1971

## Length Distribution of Golden Shiners in Inches

NO.	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5	5 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6	6 $\frac{1}{4}$
187	1	19	61	31	23	15	3	1	13	8	8	3		1

## Length / Weights of Brook Trout

9 - 9 $\frac{1}{4}$ inches	1 fish, 7 ounces
10 $\frac{1}{2}$ - 10 $\frac{3}{4}$ inches	1 fish, 9 ounces
10 $\frac{3}{4}$ - 11 inches	2 fish, 11, and 12 ounces
12 $\frac{1}{2}$ - 12 $\frac{3}{4}$ inches	1 fish, 15 ounces
13 - 13 $\frac{1}{4}$ inches	1 fish, 18 ounces
15 $\frac{1}{2}$ - 15 $\frac{3}{4}$ inches	1 fish, 23 ounces
16 $\frac{1}{2}$ - 16 $\frac{3}{4}$ inches	1 fish, 30 ounces