

JOHNSTON POND  
TA R10, Piscataquis Co.  
U. S. G. S. Jo-Mary Mtn., Me.

Fishes

Brook trout (squaresail)

Minnows

Blacknose dace  
Golden shiner

Physical Characteristics

Area - 59 acres

Temperatures

Maximum depth - 60 feet

Surface - 68° F.  
60 feet - 46° F.

Johnston is a deep, cold, rocky pond that is dominated almost completely by brook trout. The water is clear and probably not very fertile. The pond was not accessible by car road until 1960, and the surrounding hills make it dangerous to negotiate by all except very small planes. Consequently Johnston has not been fished hard, and it has a large population of trout that average smaller in size than those in fertile, heavily fished waters.

The Fishery Research Division chose Johnston Pond and Jo-Mary Pond nearby for long-term experimental work on small trout ponds.

We want to determine what happens when a pond is "fished out", how many trout small ponds can produce, and what management procedures we need in order to maintain good fishing year after year.

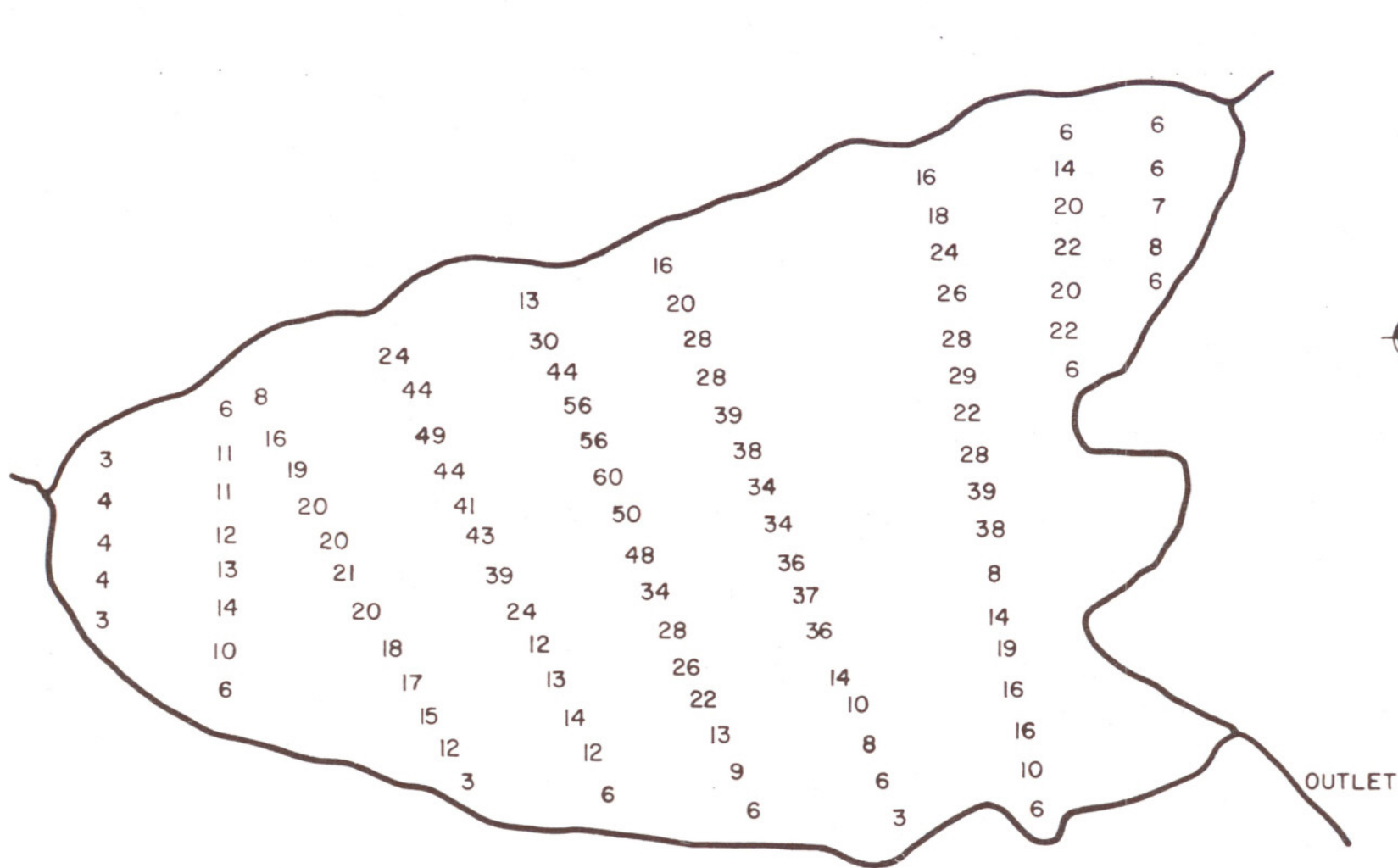
We know that ponds can produce only so many trout, and, if they are cropped too heavily, the population probably cannot recover until the pressure is reduced greatly. It is also possible that when the trout population is reduced too much the balance between the trout and the other fish is upset, and it may take many years before the trout can become as numerous as before.

The present plan is to have Johnston Pond closed to fishing during 1960 and 1961 while Jo-Mary is open to fishing during the same years. In 1962, Johnston will be open to fishing while Jo-Mary will be closed.

During this time we will be checking the populations of both ponds. A creel census will begin in 1961 on Jo-Mary. Every fisherman will be asked to cooperate by answering a few questions about the fishing, and by letting us check his catch.

The study will take a few years, but it will yield information that we can apply to many small trout ponds throughout the State.

Surveyed - August, 1960  
Maine Department of Inland Fisheries and Game



# JOHNSTON POND

TA RIO, PISCATAQUIS CO., MAINE

AREA 59 ACRES

