ONTARIO GOVERNMENT FISH CAR

1921 Onthero Sessional Papers

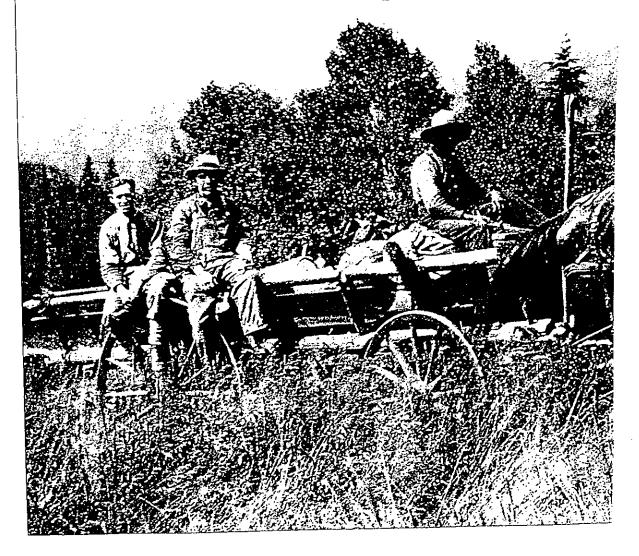
built GTR 1901

Distributing Parent Bass by Tank Car,

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By Blair Dawson, Lantern slides from the Province of Ontario Picture Bureau

Railway bass



n the 1920s and '30s, the Ontario Department of Game and Fisheries (ODGF) cultured large numbers of fingerling bass at Normandale and Mount Pleasant hatcheries, among others, and later at Westport in eastern Ontario. Adult bass were also netted for transport to new waters. The department had its own railway car for fish transport, and it planted bass from one side of the province to the other, seemingly with little thought as to suitability of habitat. Since then, illegal non-government bass introductions and natural dispersal have blurred the initial railway-introduction trail.

Smallmouth and largemouth bass were naturally distributed across the province during the post-glacial period about 10,000 years ago. At that time, melt waters allowed a northern expansion through now-impassable

barriers. Habitat and weather sorted out the distribution of these cousins. The smallmouth is a northerner equated with cool, deep, rocky lakes of the Precambrian Shield. The largemouth is a southerner that thrives in warm, clear, shallow, vegetation-rich waters south of the shield. In pioneer days, the largemouth was restricted to

shallow bays of the lower Great Lakes and did especially well in the shallow Kawartha and Rideau Lake systems of central and eastern Ontario. The smallmouth was found in the Great Lakes and cooler northern waters, including the drainage basins of the St. Lawrence River and Lake Huron. Only a few small populations were found in and near Lake Superior. Largemouth are still scarce above a line from Sault Ste. Marie, Sudbury, and North Bay, but both species inhabit waters in the Rainy River-Lake of the Woods area.

The Rainy River basin was planted with "railroad" smallmouth as early as 1903, according to the ODGF's annual report of that year. The species was non-native to that portion of the province. Largemouth might have

been stocked accidentally along with smallmout species were cultured in hatchery ponds in south tario and often were transported together in rail.

In early days, ice was used to cool and incregen-holding capacity during transport. Arranginice on route and for assistance in planting fish in tryside remote from the railway was difficult. It easier to stop at a trestle over creeks and rivers plant fish directly from the railway car. Plantings ther afield employed trucks, cars, horse-drawn cles, and backpacks.

The shotgun approach to bass introductions to some successes, but it also spoiled many speckled waters and produced large numbers of stunted to others. The government planted bass over estable

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populations into the 1950s, but search indicated this was wast and unnecessary, so it was stop

Annual temperatures ultimated dictate the northern distribution bass in Ontario. Research on something mouth showed that 50° F (10° K a critical temperature above with they feed and grow. A season?)

despecialgrowth is directly related to the number of days in ake sysllmouth in winter, and if young lose 63 per cent of their wintern water than 2 inches (5 cm) in length, most will not see spring. Though not researched thoroughly, larger mouth are have even higher preferred water temperatures.

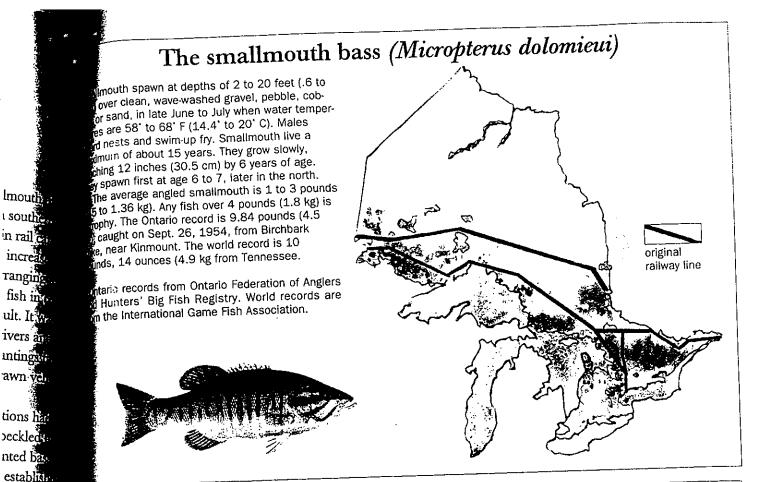
Current Ministry of Natural Resources records show 2,421 smallmouth and 1,275 largemouth with Ontario.

The numbers of both species fluctuate due to strand weak year-classes caused by good or poor sparing and rearing-water temperatures. Hot summers good for Ontario bass and future fishing prospects

ONTARIO OUT OF

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June 1999



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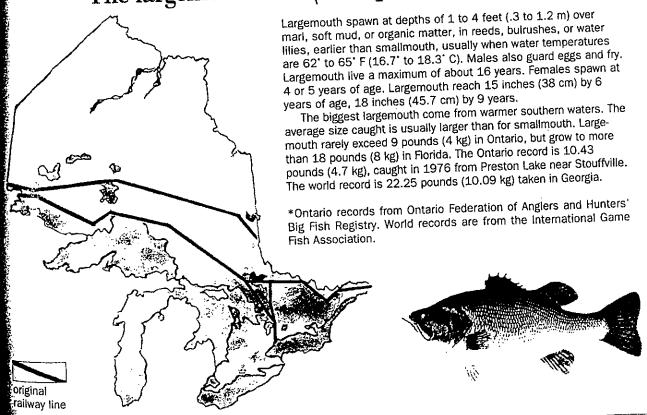
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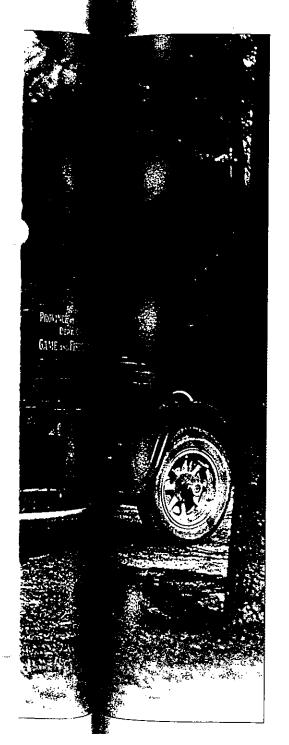
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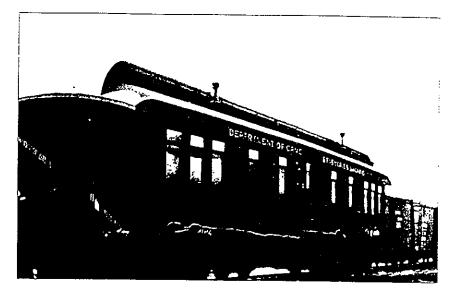
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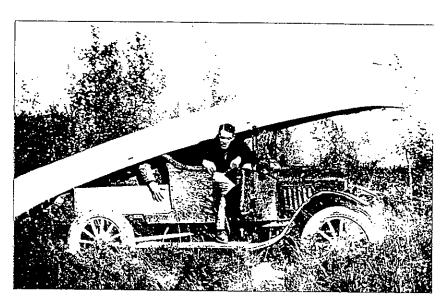
The largemouth bass (Micropterus salmoides)



In the 1920s and '30s, the Ontario Department of Game and Fisheries (ODGF) cultured large numbers of fingerling bass at Normandale and Mount Pleasant hatcheries, among others, and later at Westport in eastern Ontario.







Top, the Department of Game and Fisheries rail car transported bass across the province. Above and left, from the rail line, bass were taken to lakes by trucks, horse-drawn wagons, or specially designed carrying packs.