

Aquastats

2005

Ontario Aquacultural Production in 2005

Richard D. Moccia and David J. Bevan

JANUARY 2007

ORDER NO. 07-001

INDUSTRY SNAPSHOT 2005

Major Species Produced	- rainbow trout
Minor Species Produced	- tilapia, Arctic charr, brook trout, smallmouth and largemouth bass, cyprinid baitfish
Total Trout Production	- 4,075 tonnes
Farm-gate Value of Trout	- \$15.5 million
Economic Contribution	- \$55 - 60 million
Job Creation	- 180 person-years direct and 200 person-years indirect employment
Projected Production of Trout	- between 4,000 and 4,500 tonnes in 2006

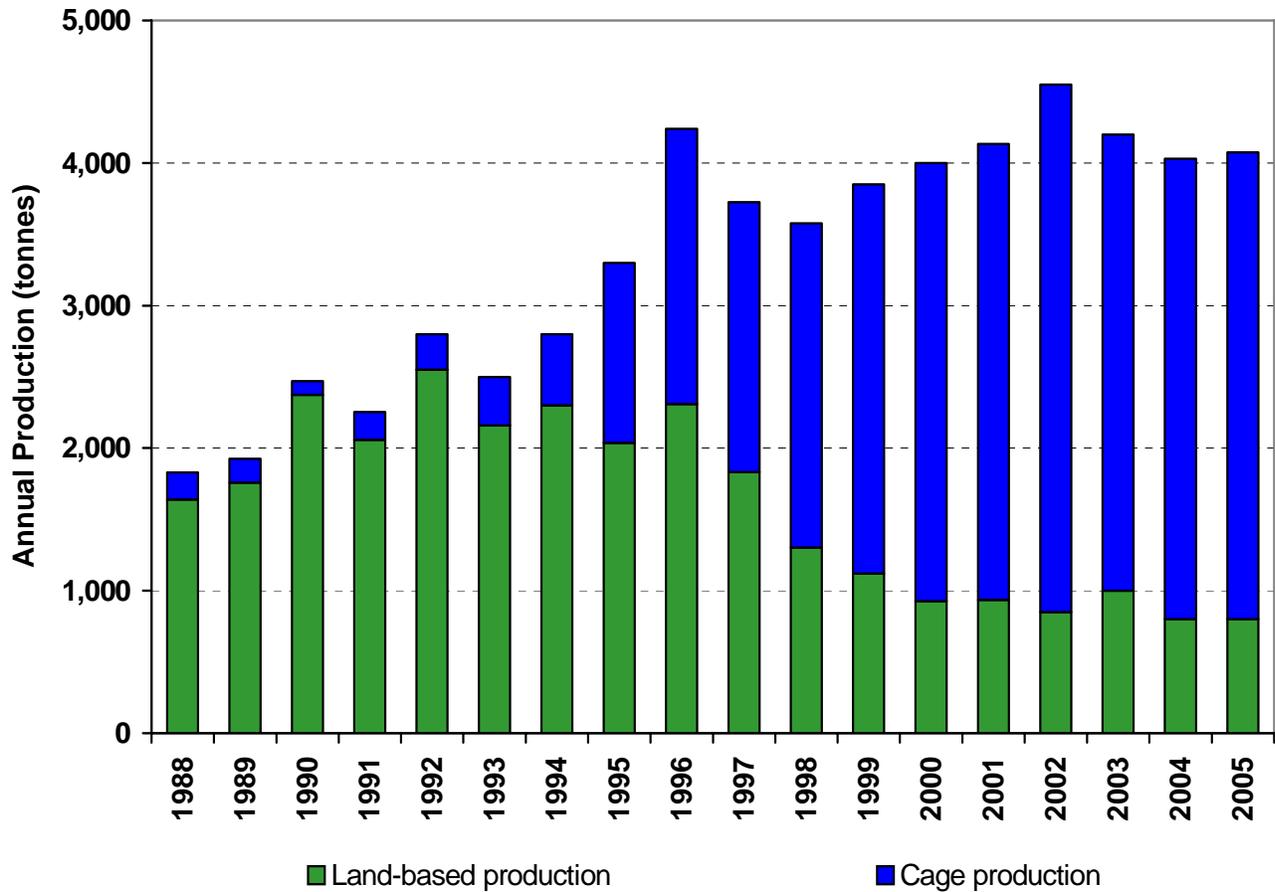
In 2005, we estimate that Ontario fish farms produced 4,075 tonnes (8.98 million pounds) of rainbow trout, primarily for human consumption. This is slight increase over the 4,030 tonnes produced in 2004. Lake-based cage production of trout in the Georgian Bay area continues to dominate other land-based production systems, accounting for 80 % of the total production (Figure 1). Arctic charr production is very limited and production has remained at nominal levels for several years now, with only a few farms having any production. Similarly, tilapia production has not increased and most of its value is from the export of fingerling-sized fish. Our records suggest that the combined production is approximately 100 tonnes annually. The production of brook trout and bass is primarily geared towards pond stocking and recreational purposes. These operations provide an important diversity to the industry although quantifiable information is scarce. Our records suggest that more than 60 facilities culture brook trout and bass, however production of these species is believed to be less than 25 tonnes annually.

The total farm-gate value of the 4,075 tonnes of rainbow trout produced is estimated to be \$15.5 million, with an average price of \$1.73/lb (\$3.81/kg). The sale of tilapia, charr, bass and other fish species is estimated to be an additional \$1.0 million in 2005. More than 60 facilities are involved with pond stocking, typically rainbow trout, brook trout and bass. The value of this aquaculture sector is conservatively estimated to be \$1.5 million annually.

In 2005, the Ontario aquaculture industry is estimated to have generated a total of 180 person-years of direct, on-farm employment. This consisted of 115 person-years of full-time employment (40 hours per week for 12 months) and 65 person years of part-time employment. Indirect employment is conservatively estimated at 200 person-years.

The total annual contribution that aquaculture makes to the Ontario economy is estimated to be \$55 - 60 million, with additional economic value realised via the recreational and aquaria trade.

Figure 1. Comparison of Ontario land-based and cage aquaculture production between 1988 and 2005.



1 Earlier factsheets and methodology are available online at: <http://www.aps.uoguelph.ca/~aquacentre/aec/publications>
 This work was supported by the Ontario Ministry of Agriculture, Food and Rural Affairs through funding provided to the Aquaculture Research Program. Please address correspondence to:
 Prof. Richard Moccia, Aquaculture Centre, Department of Animal and Poultry Science,
 University of Guelph, Guelph, Ontario N1G 2W1 Phone (519) 824-4120 ext. 52689 Fax (519) 767-0573
 E-mail: rmoccia@uoguelph.ca Website: www.aps.uoguelph.ca/~aquacentre