

A PROFILE OF MANITOBA'S COMMERCIAL FISHERY

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Allocation of Lakes and Licences - Potential Commercial Harvest

There are some 295 lakes, in addition to Manitoba's three major waterbodies - Lake Winnipeg, Winnipegosis, and Manitoba - listed in the commercial harvest schedule. The schedule lists seasons, limits, and conditions applied to commercial fisheries on each of these lakes. The primary fish species under quota restrictions are walleye (pickerel), sauger, whitefish, northern pike, goldeye, and trout.

Although total quota for commercially fished lakes in the province is approximately 13.0 million kgs, significant harvest of non-quota species (e.g. suckers, carp, tullibee) also occurs. Most lake quotas have been set for many years, and were originally based on traditional harvests adjusted by maximum sustainable yield estimates. Most northern lakes have lake quotas; a set number of fishers are licensed and they all fish until the entire lake quota is harvested for the season. Generally, local fishers' associations recommend to Manitoba Water Stewardship (MWS) fisheries managers the individuals to fill vacant licences. Lakes Winnipeg and Winnipegosis have individual quota entitlements (access rights) that fishers may buy and sell. Fishers wishing to buy quota entitlements must meet certain eligibility criteria (residency, fishing experience). The number and size of quotas were originally established based on the number of participants, average harvests, and the total lake quotas at the time of implementation. It should be noted that fishers still must be licensed with individual quotas specified on the licence to use the access rights that they have purchased.

Fishing seasons are categorized as open water or winter. On Lake Winnipeg, there are actually two specified open water seasons: summer and fall. Opening dates for open water seasons and closing dates for winter fisheries generally are set to avoid typical spawning times. Opening dates for winter and closing dates for open water are set around typical ice freeze-up times to avoid unsafe ice conditions.

Not all lakes on the schedule are fished every year. Weather conditions, ice breakup and freeze-up, water levels, transportation costs, fish prices, subsidies, and market demand can all affect the fishery and/or a fisher's decision to fish.

In general, most lakes in the province suitable for commercial fishing are listed in the harvest schedule. In some cases, MWS has allowed fishers to test fish lakes not listed in the commercial harvest schedule for their commercial potential under an experimental commercial fishing licence. In other cases, MWS allows intermittent fishing (every second or third year) of lakes which show potential but cannot sustain annual harvest. This is referred to as "pulse fishing".

Commercial Production and Value

Between 1999/2000 and 2008/09, Manitoba's commercial fisheries produced an average of over 13.5 million kgs of fish annually (Table 1). Pickerel comprise the greatest portion of production by weight (39%), followed by mullet (or suckers) at 22%, whitefish (16%), pike (11%), and sauger (4%).

Pickereel are also the most valuable species, averaging \$21.6 million or 70% of the average landed value of the total catch of \$31 million (Table 2). Whitefish comprise the second-highest contribution to total landed value (10%), followed by sauger (7%). Perch and pike each contribute about 4% of the total landed value. Prices are low for suckers, which are considered an "underutilized species", which is why the significant harvest of suckers by weight contributes only 3% of the total landed value of Manitoba's commercial fisheries.

Lake Winnipeg is the largest commercial fishery, contributing 47% of the province's total production and 67% of landed value of the harvest (Table 3). Northern lakes contribute 20% of total production and about 16% of landed value.

Over 70% of the total harvest occurs during open water (Table 4). Northern lakes are primarily summer fisheries and 86% of Lake Winnipeg production occurs during open water. However, Lake Manitoba is primarily a winter fishery; summer production is strictly for carp and suckers. Lake Winnipegosis has been commercially fished as both a summer and winter fishery since 1921, with slightly more production (53%) during the winter. About 61% of production from "Other Lakes" occurs during the winter.

In 2008/09, almost 80% of summer production on Lake Winnipeg was pickereel/sauger; 18% of production was whitefish (Table 5). Whitefish comprised 54% and pickereel/sauger 38% of winter production on Lake Winnipeg in 2008/09. Production on Lake Manitoba in winter 2008/09 was 34% mullet (sucker), 31% pickereel/sauger, 13% carp, 11% pike, and 9% perch. The Lake Winnipegosis summer fishery produced primarily mullet/carp (61%), pickereel (22%), pike (14%) and a small amount of whitefish (3%). The winter fishery produced pike (52%), mullet/carp (41%), and a small amount of whitefish and pickereel (each 2%).

Northern lakes produced pickereel (28%), pike (27%), whitefish (25%), and mullet (13%) in the summer (Table 5). In winter, they produced primarily pike (42%), mullet (22%), whitefish (21%), and pickereel (13%).

The importance of commercial fishing to local economies cannot be overstated. An average of 3,155 licensed fishers and hired helpers have been employed annually in commercial fishing in the province (Table 6). Over 30% of these fishers are employed on Lake Winnipeg, Manitoba's largest fishery.

Average annual income per licensed fisher is \$13,860 (Table 7). Average incomes are highest on Lake Winnipeg at \$23,110, and lowest on Lake Manitoba at \$5,215. The average income per Lake Winnipegosis fisher is \$8,953. Lake Manitoba and Winnipegosis fishers rely heavily on fishing to supplement their income. However, in Northern Manitoba, with the decline of the fur industry, commercial fishing is often one of the few economic opportunities available for many communities. The North Region of Manitoba has the highest unemployment rate in the province at 16.4%, compared to the provincial average of 5.5% (Statistics Canada 2006 census). Northern Manitoba commercial fisheries employ an average of 560 licensed fishers for an average individual income of \$8,850. It should be noted that a portion of the income to licensed fishers would go to paying their helpers. If hired helpers are included, average incomes per fisher would be lower.

Marketing

In 1969, the Freshwater Fish Marketing Act established the Freshwater Fish Marketing Corporation (FFMC) as a federal Crown corporation with exclusive rights to inter-provincial and export trade of freshwater fish products from Manitoba, Saskatchewan, Alberta, the Northwest Territories and Northwestern Ontario. FFMC buys all fish offered by Manitoba fishers.

Fishers may sell fish outside the FFMC directly to final consumers. They can also have a representative sell fish on their behalf, but this must be authorized in writing by the Director of Fisheries.

MB Water Stewardship introduced a new trade record system in the winter of 1994/95 that requires fishers to record all species sold and to whom. The FFMC also issues Special Dealer Licences which allow the licensee to sell fish in local markets or to markets outside Manitoba where FFMC sales (and thus revenues to the aggregate group of fishers) will not be jeopardized.

A Fish Transportation Loadslip Regulation was introduced in 1994 that allowed for the control of transporting fish within the province. The main purpose for the loadslip regulation is to provide an authorizing mechanism for the movement of fish and to assist in the determination of fish being illegally harvested, transported or sold.

The FFMC has found that economies of scale render the current process of shipping to and processing in the main Transcona plant more economically efficient than operating smaller regional processing facilities, which experience higher transportation costs. However, there continues to be pressure from some northern fisheries to opt out of the FFMC. As a result of the report of the Parliamentary Standing Committee on Fisheries and Oceans, in 1995, Island Lake fishers were allowed to market outside the FFMC.

MB Water Stewardship continues to support the FFMC as the single desk marketing agency for most of Manitoba's commercial fishers. There is no question that the FFMC has benefited Manitoba's commercial fishers since its inception, and the Corporation continues to help maintain the economic viability of our commercial fisheries.

However, the Department continues to work with the FFMC to seek new ways to improve benefits to commercial fishers. MB Water Stewardship has encouraged them to expand their use of Special Dealer Licences to enable more fishers to explore markets for underutilized fish species or new value-added products. To this end, in consultation with MB Water Stewardship, the FFMC has developed new policies for controlling fish sales. A new Export Dealer Licence and a new Manitoba Special Dealer Licence for intra-provincial sales have been introduced.

Transportation Logistics

Fishers deliver their fish to the FFMC's packing stations, local agents, or the FFMC's main plant in Transcona. The FFMC operates (either directly or through agents) 27 packing stations in Manitoba during the summer and 22 stations in winter, depending on production (Figure 1).

The major packing stations in Northern Manitoba are located at The Pas, Easterville, Kisseynew Lake, Wabowden, Leaf Rapids, South Indian Lake, Nelson House, and Reindeer Lake. Northern fishers either boat, truck or fly their fish to the nearest station where it is weighed, packed, and then trucked by commercial carrier to Winnipeg. Pukatawagan fishers bring their fish back to the community and send the fish by train to The Pas. Thicket Portage fishers also send their fish by train, either to the Wabowden packing plant when it is operating, or to The Pas. The fish are trucked from The Pas and Wabowden to Winnipeg by commercial carrier. Easterville fishers on Cedar Lake operate a packing station in their community. Fish are trucked from Easterville to Winnipeg.

Fish from the south end of Playgreen Lake are delivered to Playgreen Point, packed and then boated to Norway House, and then trucked to Winnipeg. Fish from the north end of Playgreen Lake, as well as Stevenson, Kiskittogisu, and Bigstone lakes are now being boated to the Whiskey Jack station which opened in the summer of 1993. From Whiskey Jack, the fish are trucked directly to Winnipeg.

Lake Winnipegosis fish are delivered to Dawson Bay, Duck Bay or the community of Winnipegosis, to be trucked to Winnipeg.

There are 16 delivery points that handle fish from Lake Winnipeg. The FFMC operates a fish boat out of Matheson Island during the open water fisheries, collecting fish from McBeth Point, Negginan, and Berens River. The fish are then trucked from Matheson Island to FFMC's Transcona plant. Fish delivered to the other packing stations on Lake Winnipeg, which are road-accessible, are trucked to the Transcona plant. In winter, Lake Winnipeg fishers transport their fish to the nearest road-accessible packing station by bombardier or snow machine.

Lake Manitoba and Winnipegosis fishers deliver their fish to the nearest packing station by boat or truck in summer, and by bombardier or snow machine in winter, where it is then trucked to Winnipeg. Some fishers on southern lakes truck their fish directly to the Transcona plant.

Fish harvested from southern Manitoba lakes can reach the FFMC's Transcona plant the same day. In Northern Manitoba, transport of fish may take a day from lakeside to the nearest packing plant and then another day from the plant to FFMC Transcona. Conceivably, northern fishers can get their catch to Transcona the same day if they lift their nets early enough in the day to reach the packing station and catch the commercial carrier to Winnipeg. However, this can only occur when production is high and the plant is loading a truck for Winnipeg daily. When production drops off, a truck may be going to Winnipeg only every three days or so.

Transportation Costs

Certain lakes are eligible for assistance under Manitoba's Northern Fishermen's Freight Assistance (NFFA) Program, which was established in 1976, to assist marginally viable commercial fishing operations through partial subsidization of the cost of transporting selected fish species from lakeside to Winnipeg. Under the NFFA Program, fishers pay the first 20¢/kg of freight costs to FFMC in Transcona, the Province pays the next 45¢/kg, and fishers then pay any freight costs in excess of 65¢/kg. Eligible species for freight assistance are whitefish, pike, lake trout, perch, goldeye, and tullibee.

Subsidy payments to fishers are issued by FFMC on behalf of Manitoba on weekly fish cheques. Total NFFA Program expenditures were capped in 1991 at \$250,000, however due to significant increases in transportation costs in recent years, program funding was increased to \$410,000 in 2001. A subsidy of 7¢/kg on suckers coming from subsidized lakes was also added to the program in 2001.

As an additional precaution, to allow for higher than average production years, fishers receive an initial subsidy payment of 70% of the estimated full subsidy for which they are eligible. They receive a final payment at the end of the fishing year which may total the expected remaining 30%. However, in years of high production, final payments may be less than expected. In low production years, final payments may result in a higher subsidy rate than promised.

Transportation methods used by fishers to deliver their fish to the packing stations are varied, and actual costs are not readily available. Transportation tariffs (estimates of costs per mile of various transport modes), from which Fisheries Branch estimates NFFA subsidy rates, had not been changed since 1984 and did not represent the fishers' true costs of transporting their fish. Tariffs were therefore updated with introduction of the higher program funding cap in 2001.

The FFMC negotiates with truck, rail, and air transport operators to determine appropriate backoffs (freight charges) to fishers to transport their fish from delivery points to the main FFMC plant in Transcona. These backoffs are deducted from the FOB Winnipeg price to establish the fish price paid to fishers.

Conclusion

Manitoba's commercial fishery is an important industry and a major provider of employment in Northern Manitoba and the Interlake. In addition to the direct income to fishers from the fish they sell (\$31 million), Manitoba also benefits from annual sales by the FFMC of over \$60 million in value-added processed fish products.

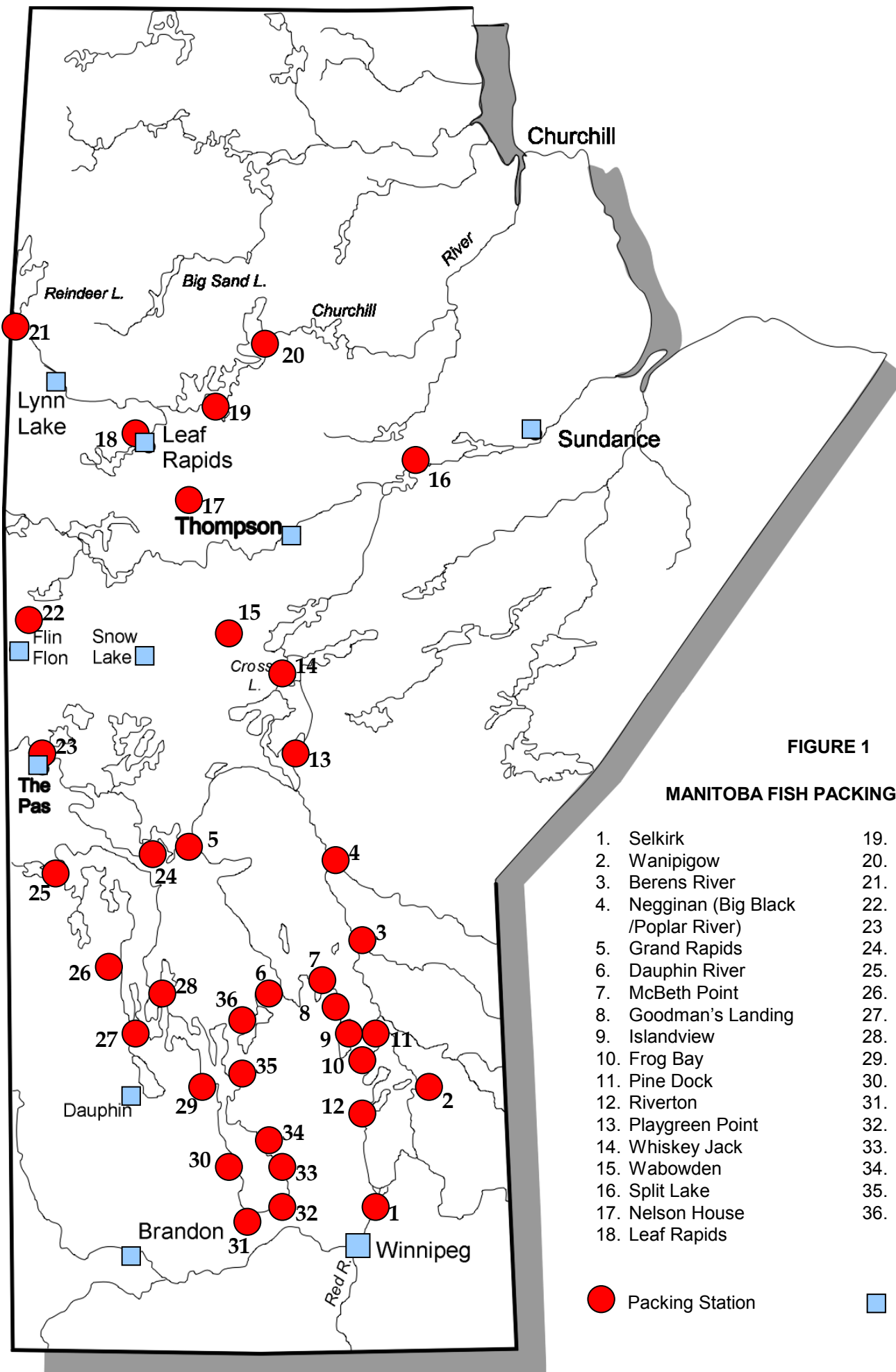



FIGURE 1

MANITOBA FISH PACKING STATIONS

- | | |
|---------------------------------------|-------------------------|
| 1. Selkirk | 19. SIL Settlement |
| 2. Wanipigow | 20. Sturgeon Narrows |
| 3. Berens River | 21. Reindeer Lake |
| 4. Negginan (Big Black /Poplar River) | 22. Kiskeynew Lake. |
| 5. Grand Rapids | 23. The Pas |
| 6. Dauphin River | 24. Easterville |
| 7. McBeth Point | 25. Dawson Bay |
| 8. Goodman's Landing | 26. Duck Bay |
| 9. Islandview | 27. Winnipegosis |
| 10. Frog Bay | 28. Skownan |
| 11. Pine Dock | 29. Eddystone |
| 12. Riverton | 30. Amaranth |
| 13. Playgreen Point | 31. Westbourne |
| 14. Whiskey Jack | 32. St. Ambrose |
| 15. Wabowden | 33. St. Laurent |
| 16. Split Lake | 34. Lundar |
| 17. Nelson House | 35. Ashern |
| 18. Leaf Rapids | 36. St. Martin Junction |

 Packing Station

 City/Town

Table 1. Commercial Fishing Production by Species.

Species	Production (Round Weight Kgs)											% of Total
	1999/2000	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	Average	
Bass	45,450	28,650	34,550	27,900	16,100	15,150	7,700	15,600	5,186	8,269	20,455	0.2%
Carp	652,600	487,200	628,450	976,000	435,200	534,950	491,300	534,750	258,444	361,937	536,083	4.0%
Carp Roe									23,966	31,287	27,627	0.2%
Goldeye	8,500	9,300	5,850	5,500	10,300	7,700	9,350	44,850	28,741	13,932	14,402	0.1%
Mullet	4,206,850	4,719,850	4,131,050	4,114,650	3,832,550	2,297,300	2,214,900	1,731,250	1,448,113	1,525,960	3,022,247	22.3%
Northern Pike	1,753,250	1,728,500	1,545,400	1,573,950	1,665,800	1,279,700	874,950	1,321,650	1,542,547	1,709,311	1,499,506	11.1%
Perch	226,200	161,200	562,350	478,900	277,600	185,050	167,000	206,250	269,990	129,246	266,379	2.0%
Pickrel	4,156,450	5,270,600	4,584,300	4,502,200	5,161,550	5,253,650	5,725,300	6,175,150	5,745,097	5,726,716	5,230,101	38.7%
Pike Roe									11,428	20,488	15,958	0.1%
Sauger	984,400	582,700	682,750	775,550	765,250	585,300	311,650	163,800	130,171	279,426	526,100	3.9%
Trout	40,550	26,050	39,250	31,050	33,050	40,700	48,650	40,000	40,308	54,482	39,409	0.3%
Tullibee	116,200	128,250	103,250	108,500	53,900	63,900	82,150	56,800	73,266	57,757	84,397	0.6%
Tullibee Roe									3,586	1,571	2,578	0.0%
Whitefish	1,904,100	2,334,350	2,499,550	2,472,700	2,690,700	2,486,350	2,130,350	1,911,150	1,540,212	2,184,397	2,215,386	16.4%
Whitefish Roe									22,742	25,399	24,070	0.2%
Total	14,094,550	15,476,650	14,816,750	15,066,900	14,942,000	12,749,750	12,063,300	12,201,250	11,143,798	12,130,177	13,524,699	100.0%

Table 2. Value of Commercial Fishery by Species

Species	Value (\$ 2010)											% of Total
	1999/2000	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	Average	
Bass	\$58,096	\$25,334	\$19,895	\$19,482	\$10,019	\$6,955	\$3,386	\$8,961	\$2,935	\$3,928	\$15,899	0.1%
Carp	\$242,790	\$184,567	\$332,282	\$458,687	\$211,976	\$226,826	\$218,235	\$230,676	\$90,319	\$118,421	\$231,478	0.7%
Carp Roe									\$49,606	\$60,874	\$55,240	0.2%
Goldeye	\$32,813	\$28,321	\$19,430	\$19,654	\$30,226	\$20,701	\$20,856	\$97,363	\$74,007	\$46,072	\$38,944	0.1%
Mullet	\$1,574,893	\$1,650,646	\$1,334,828	\$1,247,708	\$1,079,131	\$655,141	\$761,456	\$602,203	\$469,680	\$581,087	\$995,677	3.2%
Northern Pike	\$1,759,894	\$1,701,912	\$1,376,771	\$1,280,712	\$1,211,236	\$842,166	\$555,692	\$831,087	\$935,329	\$1,418,994	\$1,191,379	3.8%
Perch	\$1,375,016	\$1,064,681	\$3,218,980	\$2,087,611	\$1,055,434	\$663,973	\$580,794	\$684,595	\$834,596	\$309,310	\$1,187,499	3.8%
Pickrel	\$21,765,552	\$26,517,233	\$23,877,754	\$23,880,806	\$20,095,639	\$19,889,062	\$19,622,616	\$21,809,476	\$19,392,372	\$19,269,556	\$21,612,007	69.6%
Pike Roe									\$57,979	\$101,763	\$79,871	0.3%
Sauger	\$3,921,132	\$2,413,591	\$3,445,737	\$3,619,412	\$2,805,392	\$1,885,656	\$996,031	\$492,295	\$436,843	\$1,037,554	\$2,105,364	6.8%
Trout	\$43,954	\$26,290	\$38,859	\$30,140	\$32,928	\$33,508	\$39,508	\$31,259	\$30,562	\$39,341	\$34,635	0.1%
Tullibee	\$84,787	\$109,641	\$90,400	\$96,608	\$39,344	\$40,518	\$60,686	\$46,757	\$42,762	\$33,361	\$64,487	0.2%
Tullibee Roe										\$9,209	\$9,209	0.0%
Whitefish	\$3,061,754	\$4,471,551	\$3,803,498	\$3,656,542	\$3,650,539	\$3,049,376	\$2,704,926	\$2,554,726	\$1,913,732	\$3,848,092	\$3,271,474	10.5%
Whitefish Roe									\$131,547	\$143,314	\$137,430	0.4%
Total	\$33,920,682	\$38,193,766	\$37,558,434	\$36,397,361	\$30,221,866	\$27,313,883	\$25,564,185	\$27,389,400	\$24,462,268	\$27,020,876	\$31,030,593	100.0%

Table 3. Commercial Fishing Production and Value by Region

Year	Northern Lakes		Lake Winnipeg		Lake Manitoba		Lake Winnipegosis		Other Lakes		Total	
	Rd. Weight (Kgs)	Value (\$2010)	Rd. Weight (Kgs)	Value (\$2010)	Rd. Weight (Kgs)	Value (\$2010)	Rd. Weight (Kgs)	Value (\$2010)	Rd. Weight (Kgs)	Value (\$2010)	Rd. Weight (Kgs)	Value (\$2010)
1999/00	3,235,650	\$6,228,926	5,419,050	\$20,793,901	1,943,950	\$2,959,214	2,719,850	\$2,774,704	778,550	\$1,165,406	14,097,050	\$33,922,151
2000/01	3,318,650	\$6,702,487	6,217,850	\$24,362,060	2,342,400	\$3,402,210	2,753,550	\$2,395,009	892,250	\$1,352,077	15,524,700	\$38,213,842
2001/02	3,188,100	\$6,214,985	6,237,950	\$23,711,554	2,115,750	\$4,417,743	2,577,000	\$2,148,430	702,400	\$1,067,118	14,821,200	\$37,559,830
2002/03	3,260,350	\$6,589,500	6,204,150	\$23,944,982	2,286,850	\$3,297,787	2,681,150	\$1,623,194	661,250	\$948,659	15,093,750	\$36,404,123
2003/04	3,025,250	\$5,497,085	6,543,300	\$19,171,578	1,995,650	\$2,242,918	2,221,550	\$1,251,031	1,171,200	\$2,063,307	14,956,950	\$30,225,919
2004/05	2,813,900	\$4,746,736	6,380,100	\$18,465,063	1,362,650	\$1,155,826	1,079,350	\$929,607	1,113,800	\$2,016,706	12,749,800	\$27,313,938
2005/06	2,231,600	\$3,370,648	6,397,500	\$17,992,254	1,074,000	\$1,291,669	1,343,600	\$918,090	1,016,600	\$1,991,524	12,063,300	\$25,564,185
2006/07	2,294,400	\$4,112,105	6,355,550	\$18,668,625	1,211,950	\$1,661,015	1,228,900	\$966,246	1,110,450	\$1,981,410	12,201,250	\$27,389,400
2007/08	2,140,914	\$3,113,977	6,201,618	\$18,391,327	935,163	\$1,303,831	1,143,477	\$825,822	722,618	\$848,683	11,143,790	\$24,483,639
2008/09	1,891,950	\$2,957,767	6,818,695	\$19,831,456	928,023	\$1,489,210	1,451,871	\$1,299,282	1,039,638	\$1,443,160	12,130,177	\$27,020,875
Average	2,740,076	\$4,953,422	6,277,576	\$20,533,280	1,619,639	\$2,322,142	1,920,030	\$1,513,141	920,876	\$1,487,805	13,478,197	\$30,809,790
% of Total	20.3%	16.1%	46.6%	66.6%	12.0%	7.5%	14.2%	4.9%	6.8%	4.8%	100.0%	100.0%

Table 4. Commercial Fishing Production by Season

Year	Production (Round Weight Kgs)											
	Northern Lakes		Lake Winnipeg		Lake Manitoba		Lake Winnipegosis		Other Lakes		Total	
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
1999/00	2,860,850	374,800	4,736,600	682,450	632,100	1,311,850	979,300	1,740,550	114,200	664,350	9,323,050	4,774,000
2000/01	2,854,600	464,050	5,360,700	857,150	836,750	1,505,650	1,121,200	1,632,350	129,400	762,850	10,302,650	5,222,050
2001/02	2,619,450	568,650	5,192,000	1,045,950	647,050	1,468,700	1,271,600	1,305,400	119,750	582,650	9,849,850	4,971,350
2002/03	2,746,500	513,850	5,180,650	1,023,500	866,200	1,420,650	1,373,400	1,307,750	45,450	615,800	10,212,200	4,881,550
2003/04	2,417,900	607,350	5,201,750	1,341,550	874,400	1,121,250	1,214,500	1,007,050	726,850	444,350	10,435,400	4,521,550
2004/05	2,629,850	184,050	5,655,950	724,150	877,100	485,550	682,450	396,900	736,000	377,800	10,581,350	2,168,450
2005/06	2,077,100	154,500	5,701,950	695,550	296,750	777,250	713,650	629,950	528,000	488,600	9,317,450	2,745,850
2006/07	2,183,650	110,750	5,500,300	855,250	263,800	948,150	669,550	559,350	381,400	729,050	8,998,700	3,202,550
2007/08	1,997,854	143,062	5,581,816	619,804	31,582	903,582	550,020	593,457	327,965	394,654	8,489,237	2,654,559
2008/09	1,720,805	171,146	5,749,801	1,068,894	9,841	918,183	414,158	1,037,713	449,018	590,619	8,343,623	3,786,555
Average	2,410,856	329,221	5,386,152	891,425	533,557	1,086,082	898,983	1,021,047	355,803	565,072	9,585,351	3,892,846
% of Regional Production	88.0%	12.0%	85.8%	14.2%	32.9%	67.1%	46.8%	53.2%	38.6%	61.4%	71.1%	28.9%
% of Seasonal Production	25.2%	8.5%	56.2%	22.9%	5.6%	27.9%	9.4%	26.2%	3.7%	14.5%	100.0%	100.0%

Table 5. Commercial Fishing Production by Region and Value by Species, 2008-09.

Species	Production (Round Weight Kgs)													Value (\$Nominal)		
	Northern Lakes		Lake Winnipeg		Lake Manitoba		Lake Winnipegosis		Other Lakes ¹		Total			Summer	Winter	Total
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Total			
Bass	0	0	3,675	4,594	0	0	0	0	0	0	3,675	4,594	8,269	\$1,485	\$2,402	\$3,887
Carp	495	0	29,164	56,199	8,882	115,094	27,217	82,803	8,423	33,661	74,180	287,757	361,937	\$24,753	\$92,428	\$117,181
Carp Roe	0	0	2,063	996	959	12,307	0	10,426	1,111	3,426	4,133	27,154	31,287	\$8,127	\$52,110	\$60,237
Goideye	3,922	209	8,810	945	0	3	1	2	36	3	12,770	1,162	13,932	\$41,676	\$3,914	\$45,590
Mullet	226,721	36,963	83,056	11,879	0	313,290	224,794	344,435	128,818	156,003	663,389	862,571	1,525,960	\$257,761	\$317,241	\$575,002
Northern Pike	459,067	71,147	93,920	8,182	0	98,114	58,769	540,919	162,293	216,899	774,049	935,262	1,709,311	\$622,762	\$781,373	\$1,404,135
Perch	254	283	20,261	1,887	0	81,758	169	556	46	24,032	20,730	108,516	129,246	\$49,613	\$256,459	\$306,071
Pickrel	474,544	21,606	4,331,947	276,410	0	285,135	92,295	19,251	111,115	114,415	5,009,900	716,817	5,726,716	\$16,316,660	\$2,751,121	\$19,067,780
Pike Roe	0	1,505	0	159	0	479	0	14,641	0	3,703	0	20,488	20,488	\$0	\$100,698	\$100,698
Sauger	5,642	425	144,951	125,517	0	2,484	1	0	340	65	150,935	128,491	279,426	\$501,883	\$524,807	\$1,026,689
Trout	54,445	0	34	0	0	2	0	2	0	0	54,479	4	54,482	\$38,928	\$2	\$38,929
Tullibee	52,728	3,772	0	0	0	0	0	1	0	1,256	52,728	5,028	57,757	\$30,392	\$2,619	\$33,012
Tullibee Roe	1,571	0	0	0	0	0	0	0	0	0	1,571	0	1,571	\$9,113	\$0	\$9,113
Whitefish	432,969	35,235	1,015,156	582,126	0	9,516	10,900	24,677	36,662	37,156	1,495,687	688,711	2,184,397	\$2,116,215	\$1,691,583	\$3,807,798
Whitefish Roe	8,447	0	16,765	0	0	0	12	0	175	0	25,399	0	25,399	\$141,813	\$0	\$141,813
Total	1,720,805	171,146	5,749,801	1,068,894	9,841	918,183	414,158	1,037,713	449,018	590,619	8,343,622	3,786,555	12,130,177	\$20,161,178	\$6,576,756	\$26,737,934

¹. Includes; Cedar, Chitek, Crab, Dauphin, Inland, Little Limestone, Little Strong, Pelican, Red Deer, St. Martin, Swan, Tan, Waterhen, William.

². Total \$ Value includes initial value and final payments.

Table 6. Commercial Fishing Employment

Year	Northern Lakes			Lake Winnipeg			Lake Manitoba		
	Licensed Fishers	Hired Helpers*	Total	Licensed Fishers	Hired Helpers*	Total	Licensed Fishers	Hired Helpers*	Total
1999/00	527	187	714	822	161	983	506	370	876
2000/01	525	169	694	883	176	1,059	491	357	848
2001/02	469	210	679	895	178	1,073	491	368	859
2002/03	505	233	738	913	182	1,095	479	359	838
2003/04	598	274	872	921	184	1,105	466	337	803
2004/05	699	174	873	910	182	1,092	442	320	762
2005/06	650	164	814	897	179	1,076	424	307	731
2006/07	604	152	756	891	178	1,069	401	291	692
2007/08	549	192	741	881	175	1,056	391	286	677
2008/09	471	165	636	872	174	1,046	362	265	627
Average	560	192	752	889	177	1,065	445	326	771
Year	Lake Winnipegosis			Other Lakes			Total		
	Licensed Fishers	Hired Helpers*	Total	Licensed Fishers	Hired Helpers*	Total	Licensed Fishers	Hired Helpers*	Total
1999/00	177	172	349	198	185	383	2,153	1,063	3,216
2000/01	175	168	343	237	138	375	2,228	996	3,224
2001/02	171	160	331	223	170	393	2,156	1,073	3,229
2002/03	176	165	341	212	59	271	2,204	982	3,186
2003/04	170	159	329	272	32	304	2,354	986	3,340
2004/05	161	151	312	270	55	325	2,404	868	3,272
2005/06	162	146	308	252	51	303	2,310	839	3,149
2006/07	172	153	325	208	42	250	2,206	804	3,010
2007/08	163	152	315	183	75	258	2,167	881	3,048
2008/09	163	152	315	180	74	254	2,048	829	2,877
Average	169	158	327	224	88	312	2,223	932	3,155

*Estimated

NOTE: Fishers fishing more than one area or who fish both as hired persons and licence holders are counted only once in "Total" column. Where hired person and licence holder duplication occurs, the individual is counted as a licence holder. Therefore, table does not add horizontally.

Table 7. Average Income per Licensed Fisher by Region

	Northern Lakes		Lake Winnipeg		Lake Manitoba		Lake Winnipegosis		Other Lakes		Total	
Year	No. of Licensed Fishers	Income per Licencee (\$2010)	No. of Licensed Fishers	Income per Licencee (\$2010)	No. of Licensed Fishers	Income per Licencee (\$2010)	No. of Licensed Fishers	Income per Licencee (\$2010)	No. of Licensed Fishers	Income per Licencee (\$2010)	No. of Licensed Fishers	Income per Licencee (\$2010)
1999/00	527	\$11,820	822	\$25,297	506	\$5,848	177	\$15,676	198	\$5,886	2,153	\$15,756
2000/01	525	\$12,767	883	\$27,590	491	\$6,929	175	\$13,686	237	\$5,705	2,228	\$17,152
2001/02	469	\$13,252	895	\$26,493	491	\$8,997	171	\$12,564	223	\$4,785	2,156	\$17,421
2002/03	505	\$13,049	913	\$26,227	479	\$6,885	176	\$9,223	212	\$4,475	2,204	\$16,517
2003/04	598	\$9,192	921	\$20,816	466	\$4,813	170	\$7,359	272	\$7,586	2,354	\$12,840
2004/05	699	\$6,791	910	\$20,291	442	\$2,615	161	\$5,774	270	\$7,469	2,404	\$11,362
2005/06	650	\$5,186	897	\$20,058	424	\$3,046	162	\$5,667	252	\$7,903	2,310	\$11,067
2006/07	604	\$6,808	891	\$20,952	401	\$4,142	172	\$5,618	208	\$9,526	2,206	\$12,416
2007/08	549	\$5,672	881	\$20,876	391	\$3,335	163	\$5,066	183	\$4,638	2,167	\$11,298
2008/09	471	\$6,280	872	\$22,742	362	\$4,114	163	\$7,971	180	\$8,018	2,048	\$13,194
Average	560	\$8,850	889	\$23,110	445	\$5,215	169	\$8,953	224	\$6,657	2,223	\$13,860