

A PROFILE OF MANITOBA'S COMMERCIAL FISHERY

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Allocation of Lakes and Licences - Potential Commercial Harvest

There are about 300 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, Sauger, Lake Whitefish, Northern Pike, Goldeye, and Lake 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, Common Carp, Cisco) 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 Conservation and Water Stewardship (CWS) 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 limit harvest of spawning and pre-spawning fish aggregations. Additionally, in setting seasonal opening and closing dates, some consideration is given to typical ice freeze-up and break-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, CWS 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, CWS 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 2000/2001 and 2010/2011, Manitoba's commercial fisheries produced an average of almost 12.8 million kgs of fish annually (Table 1). Walleye comprise the greatest portion of production by weight (42%), followed by suckers at 19%, Lake Whitefish (17%), Northern Pike (11%), and Sauger (4%).

Walleye are also the most valuable species, averaging \$20.7 million or 71% of the average landed value of the total catch of \$29.3 million (Table 2). Lake Whitefish comprise the second-highest contribution to total landed value (11%), followed by Sauger (6%). Yellow Perch and Northern Pike each contribute about 4% of the total landed value. Prices are low for suckers, which are considered to be "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 50% of the province's total production and 69% of landed value of the harvest (Table 3). Northern lakes contribute 19% of total production and about 15% of landed value.

Over 70% of the total harvest occurs during open water (Table 4). Northern lakes are primarily summer fisheries and 85% of Lake Winnipeg production occurs during open water. However, Lake Manitoba is primarily a winter fishery; summer production is strictly for Common Carp and suckers. Lake Winnipegosis has been commercially fished as both a summer and winter fishery since 1921, with production split fairly evenly between the two seasons. About 55% of production from "Other Lakes" occurs during the winter.

In 2010/2011, over 80% of summer production on Lake Winnipeg was Walleye/Sauger; 16% of production was Lake Whitefish (Table 5). Lake Whitefish comprised 57% and Walleye/Sauger 41% of winter production on Lake Winnipeg in 2010/2011. Production on Lake Manitoba in winter 2010/2011 was 36% Yellow Perch, 26% Walleye/Sauger, 24% Northern Pike, and 12% suckers. The Lake Winnipegosis summer fishery produced primarily suckers (44%), Walleye (31%), Northern Pike (19%) and a small amount of Lake Whitefish (6%). The winter fishery produced Northern Pike (67%), suckers/Common Carp (17%), and a small amount of Lake Whitefish (8%) and Walleye (5%).

Northern lakes produced Northern Pike (33%), Walleye (30%), Lake Whitefish (18%), and suckers (12%) in the summer (Table 5). In winter, they produced primarily Northern Pike (40%), Lake Whitefish (29%), suckers (17%), and Walleye (7%). Developing markets for roe (as a caviar product) have spurred roe production, particularly in Northern Manitoba and southern lakes (e.g. Lake Winnipegosis) where walleye are less available and roe make harvest and/or shipping of lower-valued fish species more economically viable (Table 6). Roe production initially started with fall-spawning species (Lake Whitefish and Cisco) but more recently has included roe from Northern Pike harvested at the end of the winter season.

The importance of commercial fishing to local economies cannot be overstated. An average of 3,068 licensed fishers and hired helpers have been employed annually in commercial fishing in the province (Table 7). Almost 35% of these fishers are employed on Lake Winnipeg, Manitoba's largest fishery.

Average annual income per licensed fisher is \$13,220 (Table 8). Average incomes are highest on Lake Winnipeg at \$22,550, and lowest on Lake Manitoba at \$4,700. The average income per Lake Winnipegosis fisher is \$7,280. 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 540 licensed fishers for an average individual income of \$7,870. 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.

Licensed commercial fishers may personally sell fresh or frozen fish caught under the authority of their own commercial license, directly to individual consumers. These fish can only be sold for the personal use of the individual consumer and are not for re-sale. Fishers can also have a representative sell fish on their behalf, but this must be authorized in writing by the Director of Fisheries.

Licensed commercial fishers may personally sell their fish to holders of a Special Dealer's License issued by the FFMC (subject to conditions imposed on the Special Dealers Licence). Commercial fishers who have applied for and obtained their own Special Dealers License may sell fish subject to the conditions specified on their Special Dealer's License.

Commercial fishers may only sell fish to restaurants and retail/wholesale outlets that have been licensed by FFMC as Special Dealers or under authority of a fisher's Special Dealer's License that permits these sales.

The FFMC also issues Export Dealer Licences which allow the licensee to sell fish to markets outside Manitoba where FFMC sales (and thus revenues to the aggregate group of fishers) will not be jeopardized.

Every fisher who sells fish directly to a consumer, sells fish to a holder of a Special Dealer's License, sells fish under the authority of their own Special Dealer's License or consigns fish for sale to an individual under a Director's Authorization must at the time of sale or consignment issue a fully completed Commercial Fisherman's Trade Record to the purchaser or fisher's representative. Trade Records are used to document harvest and sales of fish, to ensure lawful possession and protection of the resource. The Trade Record must include information on the date of the transaction; fisher's name; originating body of water; form, quantity, and species of fish; and name and address of purchaser for fish not sold to a final consumer.

It should be noted that there continue to be pressures from some 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 as a pilot project. However, proponents were unable to successfully maintain a viable operation during that trial. Fishing in the Island Lake area continues to occur through local packing stations operated by either local or outside contractors and delivering direct to markets through an Export Dealers Licence issued by FFMC. More recently, there has been pressure from fishers in the Interlake region wanting to export underutilized species (suckers and Common Carp) outside of the FFMC.

Saskatchewan withdrew from its Freshwater Fish Marketing Agreement with the Government of Canada as of April 1, 2012. This has implications for Reindeer Lake fishers from Lac Brochet, Manitoba who deliver to the packing station at Kinoosao, Saskatchewan.

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 19 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, Sturgeon Narrows, Nelson House, and Kinoosao, Saskatchewan (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.

Most of the fish delivered in Northern Manitoba is boated either directly to a packing station or to roadside where it is then trucked to a packing station. Very few lakes ship fish by air because of the high costs. The exception is the Island Lake area where there is no alternative. In this area fish are either boated or flown to receiving points at St Theresa Point or Garden Hill, packed and then flown out on commercial flights or charters. Red Sucker Lake fishers periodically deliver to a packing plant in the community where fish is flown out. Fishers from Pukatawagan and Thicket Portage ship their fish by rail to the packing stations at either Wabowden or The Pas. Norway House fishers deliver most of their fish to the station on Playgreen Point, where it is loaded into a semi trailer on a self propelled barge and taken to Norway House. Southern Indian Lake fishers deliver to either the road-accessible packing station at South Indian Lake or to the remote station at Sturgeon Narrows where the fish are loaded onto a freight boat and taken to South Indian.

Lake Winnipegosis fishers deliver their fish primarily to Dawson Bay, Duck Bay, or the Village of Winnipegosis, to be trucked to Winnipeg. However, a few fishers find it more convenient to deliver to Grand Rapids or St. Martin Junction, depending on where they are fishing.

There are 15 delivery points that handle fish from Lake Winnipeg, including the Transcona plant in Winnipeg where some fishers deliver to directly. 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 Lake Whitefish, Northern Pike, Lake Trout, Yellow Perch, Goldeye, and Cisco.

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. [It should be noted that due to declining production, the initial-final payment split was changed to 80%-20% in 2011; however, it was still 70%-30% for the 2010/2011 fishing year.]

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. It should be noted that lake freight assistance rates (and the tariffs on which they are based) are set rates and are not revised annually. However, the freight assistance rate on a specific lake may be adjusted if there has been a change in transport mode to move the fish from lakeside to Winnipeg.

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 (\$29.3 million), Manitoba also benefits from annual sales by the FFMC of over \$65 million in value-added processed fish products.

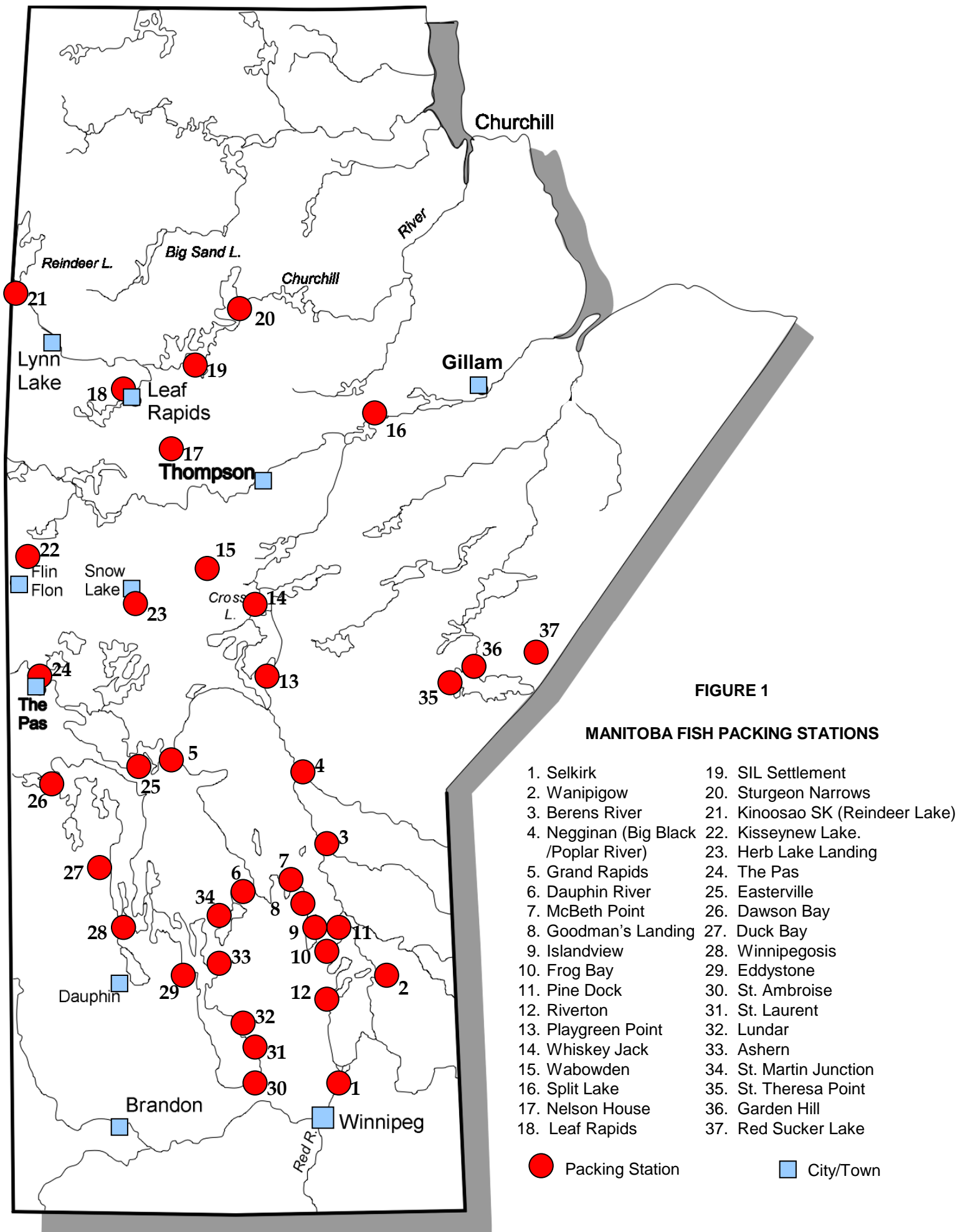


Table 1. Commercial Fishing Production by Species.

Species	Production (Round Weight Kgs)										Average	% of Total
	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11		
Cisco	103,250	108,500	53,900	63,900	82,150	56,800	73,266	57,757	58,470	44,276	70,227	0.6%
Cisco Roe							3,586	1,571	1,866	894	1,979	0.0%
Common Carp	628,450	976,000	435,200	534,950	491,300	534,750	258,444	361,937	49,406	4,123	427,456	3.4%
Common Carp Roe							23,966	31,287	3,742	210	14,801	0.1%
Goldeye	5,850	5,500	10,300	7,700	9,350	44,850	28,741	13,932	15,614	7,826	14,966	0.1%
Lake Trout	39,250	31,050	33,050	40,700	48,650	40,000	40,308	54,482	35,493	47,543	41,053	0.3%
Lake Whitefish	2,499,550	2,472,700	2,690,700	2,486,350	2,130,350	1,911,150	1,540,212	2,184,397	2,236,815	2,036,068	2,218,829	17.4%
Lake Whitefish Roe							22,742	25,399	19,083	25,103	23,082	0.2%
Northern Pike	1,545,400	1,573,950	1,665,800	1,279,700	874,950	1,321,650	1,542,547	1,709,311	1,529,678	1,517,347	1,456,033	11.4%
Northern Pike Roe							11,428	20,488	18,536	24,443	18,724	0.1%
Sauger	682,750	775,550	765,250	585,300	311,650	163,800	130,171	279,426	612,803	238,824	454,552	3.6%
Suckers	4,131,050	4,114,650	3,832,550	2,297,300	2,214,900	1,731,250	1,448,113	1,525,960	1,732,134	685,845	2,371,375	18.6%
Walleye	4,584,300	4,502,200	5,161,550	5,253,650	5,725,300	6,175,150	5,745,097	5,726,716	5,312,787	5,516,287	5,370,304	42.1%
White Bass	34,550	27,900	16,100	15,150	7,700	15,600	5,186	8,269	9,975	10,061	15,049	0.1%
Yellow Perch	562,350	478,900	277,600	185,050	167,000	206,250	269,990	129,246	162,691	165,246	260,432	2.0%
Total	14,816,750	15,066,900	14,942,000	12,749,750	12,063,300	12,201,250	11,143,798	12,130,177	11,799,093	10,324,096	12,758,863	100.0%

Note: A number of species may be referred to or marketed by alternate common names: Tullibee (Cisco), Mullet (suckers), and Pickerel (Walleye). "Suckers" are primarily White Sucker but may include other sucker species found in Manitoba (e.g. Shorthead Redhorse).

Table 2. Value of Commercial Fishery by Species

Species	Value (\$ 2011)											% of Total
	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	Average	
Cisco	\$93,398	\$99,811	\$40,649	\$41,862	\$62,699	\$48,308	\$44,180	\$34,467	\$32,246	\$23,377	\$52,100	0.2%
Cisco Roe								\$9,515	\$11,135	\$5,366	\$8,672	0.0%
Common Carp	\$343,300	\$473,896	\$219,005	\$234,348	\$225,471	\$238,325	\$93,314	\$122,347	\$5,335	\$177	\$195,552	0.7%
Common Carp Roe							\$51,251	\$62,893	\$7,444	\$412	\$30,500	0.1%
Goldeye	\$20,074	\$20,306	\$31,228	\$21,387	\$21,547	\$100,591	\$76,461	\$47,600	\$45,865	\$21,275	\$40,633	0.1%
Lake Trout	\$40,148	\$31,139	\$34,020	\$34,619	\$40,818	\$32,296	\$31,575	\$40,646	\$26,252	\$31,284	\$34,280	0.1%
Lake Whitefish	\$3,929,618	\$3,777,789	\$3,771,587	\$3,150,489	\$2,794,618	\$2,639,438	\$1,977,189	\$3,975,690	\$3,805,093	\$3,074,852	\$3,289,636	11.2%
Lake Whitefish Roe							\$135,909	\$148,066	\$110,485	\$143,288	\$134,437	0.5%
Northern Pike	\$1,422,423	\$1,323,179	\$1,251,400	\$870,092	\$574,118	\$858,645	\$966,343	\$1,466,046	\$1,249,827	\$1,047,854	\$1,102,993	3.8%
Northern Pike Roe							\$59,901	\$105,138	\$95,439	\$123,295	\$95,943	0.3%
Sauger	\$3,559,994	\$3,739,427	\$2,898,416	\$1,948,182	\$1,029,058	\$508,619	\$451,328	\$1,071,958	\$1,992,111	\$622,828	\$1,782,192	6.1%
Suckers	\$1,379,090	\$1,289,080	\$1,114,914	\$676,865	\$786,705	\$622,172	\$485,254	\$600,355	\$608,948	\$218,127	\$778,151	2.7%
Walleye	\$24,669,511	\$24,672,666	\$20,761,987	\$20,548,560	\$20,273,279	\$22,532,653	\$20,035,400	\$19,908,511	\$17,695,421	\$16,012,679	\$20,711,067	70.6%
White Bass	\$20,555	\$20,128	\$10,351	\$7,186	\$3,499	\$9,259	\$3,033	\$4,058	\$4,884	\$5,078	\$8,803	0.0%
Yellow Perch	\$3,325,718	\$2,156,834	\$1,090,431	\$685,990	\$600,053	\$707,296	\$862,270	\$319,567	\$428,441	\$435,718	\$1,061,232	3.6%
Total	\$38,803,827	\$37,604,254	\$31,223,987	\$28,219,579	\$26,411,863	\$28,297,600	\$25,273,408	\$27,916,856	\$26,118,927	\$21,765,610	\$29,326,189	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 (\$2011)	Rd. Weight (Kgs)	Value (\$2011)	Rd. Weight (Kgs)	Value (\$2011)	Rd. Weight (Kgs)	Value (\$2011)	Rd. Weight (Kgs)	Value (\$2011)	Rd. Weight (Kgs)	Value (\$2011)
2001/02	3,188,100	\$6,421,066	6,237,950	\$24,497,801	2,115,750	\$4,564,230	2,577,000	\$2,219,669	702,400	\$1,102,502	14,821,200	\$38,805,269
2002/03	3,260,350	\$6,808,000	6,204,150	\$24,738,970	2,286,850	\$3,407,138	2,681,150	\$1,677,018	661,250	\$980,115	15,093,750	\$37,611,240
2003/04	3,025,250	\$5,679,362	6,543,300	\$19,807,285	1,995,650	\$2,317,290	2,221,550	\$1,292,514	1,171,200	\$2,131,723	14,956,950	\$31,228,174
2004/05	2,813,900	\$4,904,133	6,380,100	\$19,077,343	1,362,650	\$1,194,152	1,079,350	\$960,432	1,113,800	\$2,083,578	12,749,800	\$28,219,636
2005/06	2,231,600	\$3,482,415	6,397,500	\$18,588,856	1,074,000	\$1,334,499	1,343,600	\$948,533	1,016,600	\$2,057,561	12,063,300	\$26,411,863
2006/07	2,294,400	\$4,248,458	6,355,550	\$19,287,654	1,211,950	\$1,716,092	1,228,900	\$998,285	1,110,450	\$2,047,111	12,201,250	\$28,297,600
2007/08	2,140,914	\$3,217,232	6,201,618	\$19,001,162	935,163	\$1,347,064	1,143,477	\$853,205	722,618	\$876,824	11,143,790	\$25,295,487
2008/09	1,891,950	\$3,055,843	6,818,695	\$20,489,044	928,023	\$1,538,590	1,451,871	\$1,342,365	1,039,638	\$1,491,013	12,130,177	\$27,916,855
2009/10	1,852,977	\$2,599,126	6,763,585	\$19,342,749	795,132	\$1,406,432	1,299,150	\$1,021,050	1,088,249	\$1,749,570	11,799,093	\$26,118,927
2010/11	1,744,327	\$2,336,634	6,379,666	\$16,259,317	395,319	\$791,855	794,838	\$838,647	1,009,939	\$1,539,150	10,324,089	\$21,765,603
Average	2,444,377	\$4,275,227	6,428,211	\$20,109,018	1,310,049	\$1,961,734	1,582,089	\$1,215,172	963,614	\$1,605,915	12,728,340	\$29,167,066
% of Total	19.2%	14.7%	50.5%	68.9%	10.3%	6.7%	12.4%	4.2%	7.6%	5.5%	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
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
2009/10	1,629,205	223,772	5,333,269	1,430,317	2,175	792,956	516,454	782,696	525,977	562,272	8,007,080	3,792,013
2010/11	1,492,487	251,839	5,233,120	1,146,547	0	395,319	315,878	478,959	541,640	468,301	7,583,125	2,740,965
Average	2,151,480	292,897	5,433,061	995,151	386,890	923,159	772,166	809,923	438,205	525,410	9,181,802	3,546,539
% of Regional Production	88.0%	12.0%	84.5%	15.5%	29.5%	70.5%	48.8%	51.2%	45.5%	54.5%	72.1%	27.9%
% of Seasonal Production	23.4%	8.3%	59.2%	28.1%	4.2%	26.0%	8.4%	22.8%	4.8%	14.8%	100.0%	100.0%

Table 5. Commercial Fishing Production by Region and Value by Species, 2010-11.

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			
Cisco	34,594	8,839	0	0	0	0	0	0	0	843	34,594	9,682	44,276	\$18,043	\$4,663	\$22,706
Cisco Roe	894	0	0	0	0	0	0	0	0	0	894	0	894	\$5,212	\$0	\$5,212
Common Carp	177	0	240	41	0	896	0	598	0	2,171	417	3,706	4,123	\$0	\$172	\$172
Common Carp Roe	0	0	36	0	0	6	0	5	0	163	36	174	210	\$65	\$335	\$400
Goldeye	2,464	2	5,042	311	0	4	2	1	0	0	7,508	318	7,826	\$19,727	\$937	\$20,664
Lake Trout	47,036	477	30	0	0	0	0	0	0	0	47,066	477	47,543	\$30,098	\$288	\$30,386
Lake Whitefish	275,374	73,752	844,910	658,971	0	5,396	20,003	40,649	56,904	60,109	1,197,191	838,877	2,036,068	\$1,445,201	\$1,541,353	\$2,986,554
Lake Whitefish Roe	5,313	0	18,083	0	0	0	0	34	1,673	0	25,069	34	25,103	\$138,981	\$192	\$139,173
Northern Pike	494,721	101,828	50,368	3,896	0	93,892	60,391	321,655	154,573	236,023	760,053	757,294	1,517,347	\$505,978	\$511,786	\$1,017,764
Northern Pike Roe	0	4,537	0	58	0	1,004	0	10,675	0	8,169	0	24,443	24,443	\$0	\$119,754	\$119,754
Sauger	8,723	552	67,187	156,653	0	5,598	0	2	38	71	75,948	162,876	238,824	\$166,600	\$438,343	\$604,943
Suckers	179,487	42,151	50,271	6,947	0	48,665	137,820	79,089	89,075	52,338	456,653	229,190	685,843	\$139,227	\$72,636	\$211,863
Walleye	443,473	18,377	4,185,822	312,548	0	97,596	97,661	25,895	239,364	95,551	4,966,320	549,967	5,516,287	\$13,772,771	\$1,780,084	\$15,552,855
White Bass	0	0	4,030	6,030	0	1	0	0	0	0	4,030	6,031	10,061	\$1,808	\$3,124	\$4,932
Yellow Perch	231	1,324	7,101	1,092	0	142,261	5	356	13	12,863	7,350	157,896	165,246	\$13,325	\$409,881	\$423,206
Total	1,492,487	251,839	5,233,120	1,146,547	0	395,319	315,882	478,959	541,640	468,301	7,583,129	2,740,965	10,324,094	\$16,257,036	\$4,883,548	\$21,140,584

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. Roe Production and Sales

Product	Ave. Production (kgs)	Ave. Value (\$2011)	Ave. Price/kg
Cisco Roe	1,979	\$8,672	\$4.38
Common Carp Roe	14,801	\$30,500	\$2.06
Lake Whitefish Roe	23,082	\$134,437	\$5.82
Northern Pike Roe	18,724	\$95,943	\$5.12
Total	58,586	\$269,552	\$4.60

Table 7. 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
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
2009/10	476	166	642	869	173	1,042	375	274	649
2010/11	410	143	553	867	173	1,040	343	251	594
Average	543	187	730	892	178	1,069	417	306	723
Year	Lake Winnipegosis			Other Lakes			Total		
	Licensed Fishers	Hired Helpers*	Total	Licensed Fishers	Hired Helpers*	Total	Licensed Fishers	Hired Helpers*	Total
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
2009/10	167	156	323	185	76	261	1,979	846	2,825
2010/11	165	154	319	171	70	241	1,956	791	2,747
Average	167	155	322	216	70	286	2,178	890	3,068

*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 8. 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 (\$2011)	No. of Licensed Fishers	Income per Licencee (\$2011)	No. of Licensed Fishers	Income per Licencee (\$2011)	No. of Licensed Fishers	Income per Licencee (\$2011)	No. of Licensed Fishers	Income per Licencee (\$2011)	No. of Licensed Fishers	Income per Licencee (\$2011)
2001/02	469	\$13,691	895	\$27,372	491	\$9,296	171	\$12,981	223	\$4,944	2,228	\$17,417
2002/03	505	\$13,481	913	\$27,096	479	\$7,113	176	\$9,529	212	\$4,623	2,156	\$17,445
2003/04	598	\$9,497	921	\$21,506	466	\$4,973	170	\$7,603	272	\$7,837	2,204	\$14,169
2004/05	699	\$7,016	910	\$20,964	442	\$2,702	161	\$5,965	270	\$7,717	2,354	\$11,988
2005/06	650	\$5,358	897	\$20,723	424	\$3,147	162	\$5,855	252	\$8,165	2,404	\$10,987
2006/07	604	\$7,034	891	\$21,647	401	\$4,280	172	\$5,804	208	\$9,842	2,310	\$12,250
2007/08	549	\$5,860	881	\$21,568	391	\$3,445	163	\$5,234	183	\$4,791	2,206	\$11,467
2008/09	471	\$6,488	872	\$23,497	362	\$4,250	163	\$8,235	180	\$8,283	2,167	\$12,883
2009/10	476	\$5,460	869	\$22,259	375	\$3,750	167	\$6,114	185	\$9,457	2,048	\$12,753
2010/11	410	\$5,699	867	\$18,754	343	\$2,309	165	\$5,083	171	\$9,001	1,979	\$10,998
Average	543	\$7,872	892	\$22,554	417	\$4,700	167	\$7,276	216	\$7,449	2,206	\$13,224