Annual Summary of Fish Harvesting Activities

Western Canadian and Arctic Freshwater Fisheries

Volume 20

2001-2002

Freshwater Institute Central and Arctic Region Department of Fisheries and Oceans Winnipeg, Manitoba R3T 2N6

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#### Foreword

The Freshwater Fish Marketing Corporation (FFMC) and the Department of Fisheries and Oceans, Central and Arctic Region (DFO) have, for more than thirty years, co-operated in the development and maintenance of a commercial fisheries database. The harvest data are developed from the FFMC's purchase ticket, which records the catch and payment for every sales transaction between individual harvesters and the FFMC. The database provides comprehensive information on the commercial fishery (e.g. fish harvesters, lakes, delivery points, species, weeks, months, seasons of fishing, etc.). This data has been used by the FFMC, DFO, and the fisheries management agencies of the participating provinces and territory in the FFMC's area of operation. Data is also provided on request to other federal, provincial or territorial agencies, universities, and others interested in fisheries. The participating jurisdictions include Manitoba, Saskatchewan, Alberta, the Northwest Territories, and select parts of the northwest region of Ontario.

This report focuses on commercial freshwater fish harvesting activity in FFMC participating jurisdictions from May 1, 2001 to April 30, 2002. The period covers two distinct fishing seasons, the open water, summer fishery from May through October and the on ice, winter fishery from November through April. Marketing and historical trend information is included.

Section 1 provides harvesting data. Section 2 provides comparative analyses of each FFMC participating jurisdiction. Sections 3 through 6 provide similar analyses for each FFMC participating jurisdiction. Northwestern Ontario has been excluded from this section in consideration of the low percentage share of the province in freshwater fisheries. However, Northwestern Ontario has been included in Section 1 providing data by jurisdiction.

Persons interested in obtaining more information on commercial freshwater fisheries in FFMC participating jurisdictions may contact:

Policy and Economics Branch Central & Arctic Region Department of Fisheries and Oceans Freshwater Institute 501 University Crescent Winnipeg, Manitoba R3T 2N6

# Highlights **2001-2002**

The following is a brief summary of key trends on commercial freshwater fish harvesting activity in FFMC participating jurisdictions for the fiscal year 2001-02. This section is intended to provide highlights on landings, landed and market values, and the number of self-employed harvesters. Please see sections 1 through 6, for detailed data tables and trend analyses.

#### Section 1: Western Canadian Freshwater Fisheries Summary

- 21,885 metric tonnes (t) of fish were harvested. Landings are down by 1.2% from 2000-2001.
- The landed and market values of the harvest were \$40.6million and \$63.2 million, respectively.
- Of the total landings of 21,883t, whitefish accounts for 30.6%, up from 29.2% in 2000-2001, pickerel accounts for 23.4%, down from 25.8%, mullet accounts for 22.6% down from 23.9%, and northern pike accounts for 11.5% down from 11.8% in 2000-2001.
- Of the major species, landings for whitefish, sauger, and lake trout are up while those of mullet, northern pike and pickerel are down in 2001-02 compared to the previous year.
- Of the total landings of 21,883t, Lake Winnipeg (6,213t) accounted for the largest volume distantly followed by Lake Winnipegosis (2,366t), Lake Manitoba (2,004t), and Great Slave (1,149t).
- The FFMC purchased catch from 2,785 self-employed harvesters in 2001-02 compared to 2,766 in 2000-2001, a rise of 0.7%.

#### Section 2: Analysis by Jurisdiction

• Manitoba harvesters caught 67.0% of the total harvest and received 77.0% of the landed value which can be attributed to the high value of pickerel. Saskatchewan harvesters caught 20.0% of the harvest and received 13.3% of the landed value. Alberta caught 8.0% and received 6.0%. Northwest Territories caught 5.0% and received 4.0%.

• Of the total 2,785 harvesters, Manitoba has 1,855 (67.0%), Saskatchewan has 635 (23.0%), Alberta has 139 (5.0%) and Northwest Territories has 151 (5.0%).

## Section 3 - 6: Provincial Overview - (Alberta, Saskatchewan, Manitoba, Northwest Territories)

#### Alberta:

- 1,854t of fish were harvested. Landings are up by 6.5% from 2000-01.
- Landings for all major species are up from the previous year. Whitefish landings accounts for 83.0% of provincial landings in 2000-01.
- The landed and market values of the harvest are \$2.4 million and \$4.1 million, respectively. Total landed value is down by 9.0% from 2000-2001.
- Lesser Slave Lake accounted for the largest volume (40.0%) followed by Utikuma Lake (23.0%).
- There are 139 self-employed harvesters in 2001-02 down from 147 (5.5%) in 2000-2001. The decrease was caused by the fall in winter season harvesters.
- The number of self-employed summer season harvesters is up by 4.9% in 2001-02 while the number of self-employed winter season harvesters is down by 27.0%. The number of self-employed harvesters in both seasons is up by 16.3%.

#### Saskatchewan:

- 4,425t of fish were harvested. Landings are up by 6.4% from 2000-2001.
- Except for whitefish and mullet landings for all other major species are up in 2001-02. Whitefish accounts for 33.3% of the total harvests, down from 35.9% in 2000-01, followed by mullet at 24.4%, down from 24.7% in 2000-2001.
- The landed and market values of the harvest are \$5.1 million and \$10.1 million, respectively. The total landed value is up by 2.9% in 2001-02.
- Ile-a-la Crosse accounted for the largest volume (11.0% of 4,425t) followed by Reindeer (10.0% of 4,425t).
- The number of self-employed harvesters is up from 598 in 2000-01 to 635 in 2001-02. The number of self-employed summer and winter seasons' harvesters rose by 2.5% and 10.3% in 2001-02, respectively. The number of self-employed harvesters who worked both summer and winter fell by 4.9%.

#### Manitoba:

- 14,415t of fish were harvested. Landings are down by 4.0% from 2000-2001.
- Pickerel landings fell by 13.8% in 2001-02, and whitefish landings are up by 7.4% in 2001-02.
- The landed and market values of the harvest are \$31.5 million and \$46.5 million, respectively. Total landed value is up by 0.8% from the previous year.
- Lake Winnipeg accounts for most of the catch (59.0% of 14,415t) followed by Lake Winnipegosis (22.0% of 14,415t).
- The number of self-employed harvesters is 1,855, down by 0.8% from the previous year. The number of self-employed winter and both seasons' harvesters rose by 1.9% and 25.1% in 2001-02 respectively. The number of self-employed summer season harvesters fell by 11.%.

#### Northwest Territories:

- 1,167t of fish were harvested. Landings are down by 2.8% from 2000-2001.
- Whitefish accounts for 80.0% of the total harvests 1,163t and is up by 1.8% in 2001-02. In contrast, pickerel and lake trout which account for 3.0% and 6.0% of 1,163t, respectively, are up by approximately 39.0% in 2001-02.
- The landed and market values of the harvest are \$1.5 million and \$2.3 million, respectively. The total landed value is down by 9.4% from 2000-2001.
- Great Slave Lake accounts for most for the landings (98.0% of 1,163t).
- The number of self-employed harvesters is up from 136 in 2000-2001 to 151 in 2001-02. The numbers of all self-employed harvesters rose. Winter season went up by 11.6%, summer is up by 10.0%, and Both season harvesters is up by 11.3% in 2001-02.

## Annual Summary of Harvesting Activities: At a Glance

	Jurisdiction								
	Alberta	Saskatchewan	Manitoba	NWT	Total*				
Landings (t)	1,854	4,425	14,414	1,167	21,885				
% Change from 2000-2001	6.6%	6.4%	-4.0%	-2.8%	-1.2%				
Landed Value (\$000)	2,387	5,102	31,548	1,519	40,585				
% Change from 2000-2001	-9.0%	2.9%	0.8%	-9.4%	-0.2%				
Self-Employed Harvesters	139	635	1,855	151	2,785				
% Change from 2000-2001	-5.5%	6.2%	-0.8%	11.1%	0.7%				
Major Harvested Species	whitefish, pickerel, northern pike	whitefish, mullet, pickerel, northern pike, lake trout	whitefish, pickerel, sauger, northern pike, perch, mullet	whitefish, pickerel, lake trout, northern pike, inconnu	whitefish, pickerel, sauger, northern pike, mullet, lake trout				

Note: \* includes Northwestern Ontario; \*\* To protect the identities of harvesters where the number of harvesters is three or less, the "rule of three" <4 (less than four) is used.

## Glossary of Terms:

**<u>Delivery Point</u>**: A delivery point is a fish facility where fish harvesters sell their catches directly to the FFMC or indirectly through agents of the FFMC.

**Fiscal Year**: A fiscal year refers to the period from May 1 through to April 30 of the subsequent year. There are two fishing seasons in a fiscal year. Thus, 2001-02 refers to the period May 1, 2001 to April 30, 2002. The summer season, which is the open water fishery, begins May 1 and ends October 30. The winter season is an ice fishery that begins when the lakes freeze, around November 1, and continues until spring thaw, usually about April 30.

**Landed Quantity**: The landed quantity is an estimate reflecting the weight of fish marketed to the FFMC by commercial harvesters. (Federal and provincial law requires harvesters to sell their catches, excluding sales made directly to final consumers, to the FFMC.) This estimate expresses the catch as if it were all harvested in one form, the live weight equivalent. Due to fish harvester's selling fish in a variety of forms (round, gutted, and gutted with head off), conversion factors are used to determine the live weight equivalent.

**Landed Value**: The landed value represents the payments received by fish harvester for fish sales to the FFMC. The payments are generally recorded *f.o.b. lakeside* although in some cases, especially in the north, payments are *f.o.b. a central delivery point* which may be some distance from the lake where fish are harvested. Harvesters receive both initial and final payments for their catches, the final payment is dependent on the FFMC's net earnings for the period. The landed values reported reflect the respective year's Canadian dollar value and include both the initial and final payments.

<u>Marketed Value</u>: The marketed value estimates the value of the year's catch as the product of the landed quantity of each species and the average market selling price for the year. Because the estimates do not carryover inventory from year to year, market value differs from the FFMC statement of annual fish sales.

<u>Nominal Dollars</u>: Nominal dollars are the current dollar amounts paid or received at the time of harvest or sale. Nominal dollars are not adjusted for inflation.

<u>Product Weights</u>: Product weights are the actual weights of the final product sold. Fish are sold in a variety of products forms (round, dressed fillets, deboned blocks, etc.) and product weights should not be confused with live equivalent weights.

<u>Self-Employed Harvester</u>: A self-employed fish harvester is generally the owner/operator of the fishing business. All self-employed harvesters must be licensed for commercial fishing. Note that in the tables reporting the distribution of landed values, the "rule of three" is used to protect the identities of fish harvesters who fall within an income interval that contains three or less harvesters. In such cases, the symbol <4 is used.

<u>Full Time Equivalent Employment:</u> Full time equivalent employment is calculated based on information for harvesting activities only and not associated with processing activities. It is calculated by dividing the number of weeks worked by the number of weeks (52) in a given year.

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## **Section 1:**

Western Canadian Freshwater Fisheries Summary

Figure 1.1 Landings by Species 2001/02 Total: 21,883 tonnes

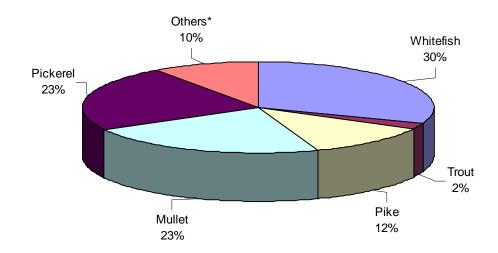
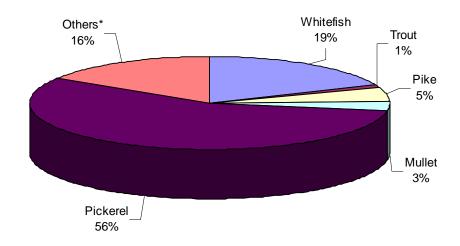


Figure 1.2 Landed Value by Species 2001/02 Total: \$40.6 Million



Note: \* Includes carp, goldeye, inconnu, perch, tullibee, white bass, and whitefish roe.

Table 1.1 Landings, Landed and Marketed Value by Species Western Canadian Freshwater Fisheries, 2001/02

Species	Landings (t)	Landed Value (\$000)	Market Value (\$000)
Whitefish	6,694	7,533	13,089
Whitefish Roe	53	330	712
Pickerel	5,120	22,759	30,154
Sauger	687	2,952	3,719
Trout	497	380	730
Pike	2,524	1,975	5,149
Tullibee	195	135	452
Perch	562	2,763	3,477
Mullet	4,947	1,380	4,996
Carp	492	276	516
Inconnu	43	61	118
Goldeye	8	18	32
White Bass	33	16	42
Burbot	30	7	0
Total	21,885	40,585	63,186

Figure 1.3 Landings by Major Lakes 2001/02

Total: 21,833 tonnes

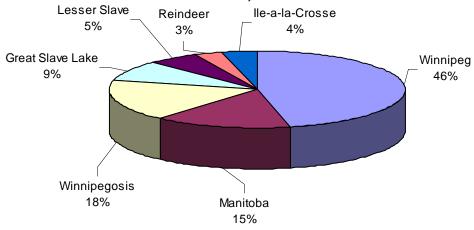


Figure 1.4 Landed Value by Major lakes 2001/02

Total: \$41.1 Million

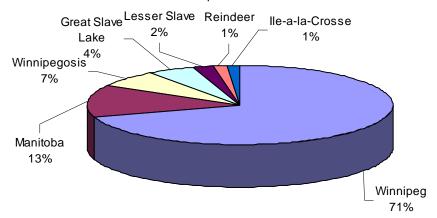


Table 1.2
Landings and Landed Value by Species and Major Western Canadian Lakes
Western Canadian Freshwater Fisheries, 2001/02

		Major Lakes												
	Winn	ipeg	Mani	toba	Winnipegosis Great Slave			Lesser Slave		Reindeer		lle-a-la Crosse		
Species	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)
Whitefish	1,724	2,070	11	12	88	105	941	1,209	671	458	158	107	27	28
Pickerel	3,191	14,206	262	1,111	169	782	21	96	8	29	19	86	39	168
Sauger	659	2,833	15	62	0	0	0	0	0	0	0	0	0	1
Lake Trout	0	0	0	0	0	0	64	39	0	0	212	175	0	0
Northern Pike	122	99	67	55	250	206	69	47	24	19	25	18	128	93
Perch	61	301	444	2,184	28	137	0	0	0	0	0	0	0	0
Mullet	222	68	1,097	263	1,714	537	0	0	0	0	19	5	312	75
Carp	180	99	108	61	117	68	0	0	0	0	0	0	0	0
Others	53*	129	0	0	0	1	50*	62	25**	141	0	0	2***	1
Total	6,213	19,805	2,004	3,749	2,366	1,837	1,146	1,453	728	647	433	391	508	366

Notes: \* Includes goldeye, white bass, inconnu, and whitefish roe; \*\* Includes goldeye, and whitefish roe; \*\*\* Includes tullibee.

Figure 1.5 Self-Employed Harvesters by Season 2001/02 Total: 2,785 Harvesters

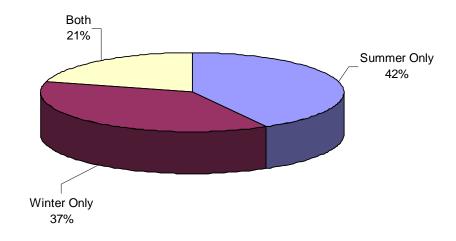
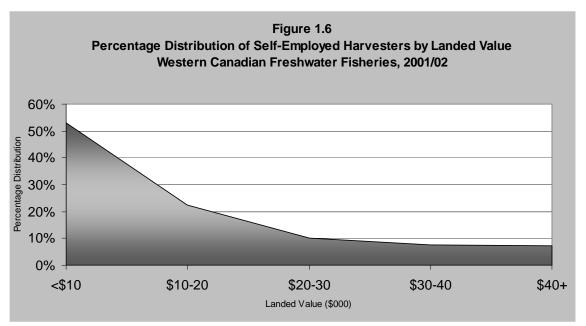


Table 1.3 Number of Self-Employed Harvesters by Season Fished Western Canadian Freshwater Fisheries, 2001/02

Season	Self-employed
Summer Only	1,169
Winter Only	1,043
Both	573
Total	2,785



Note: \* The shaded area under the line curve is 100%.

Figure 1.7

Average Payment, Weight, and the Number of Self-Employed Harvesters by Landed Value

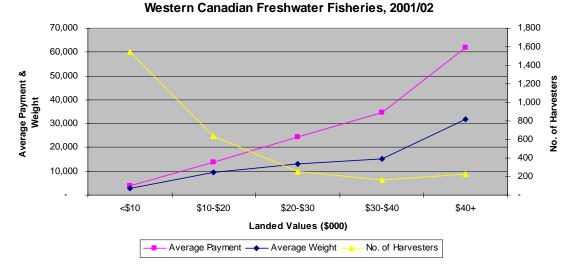


Figure 1.8

Number of Full-Time Equivalent Employment by Landed Value

Western Canadian Freshwater Fisheries, 2001/02

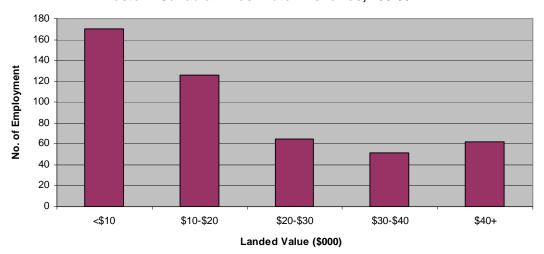


Table 1.4
Landings, Landed Value, Full-Time Equivalent Employment and Fishing Effort by
Landed Value
Western Canadian Freshwater Fisheries, 2001/02

		Averages Per Harvesters							
Landed Value	No. of Harvesters	Full-Time Employment	Deliveries	Weeks	Weight (lb.)	Payments (\$)			
\$0 - \$10,000	1,477	170	15	6	2,751	3,685			
\$10001 - \$20,000	621	126	34	11	8,499	14,471			
\$20,001 - \$30,000	279	64	41	12	12,240	24,743			
\$30,001 - \$40,000	207	52	52	13	15,069	34,404			
\$40,001+	201	62	60	16	29,929	60,396			

Note: (i) Weeks refer to a week in which fishing activities occurred; (ii) Payments refer to value paid to harvesters upon delivery

Figure 1.9
Landings Trend by Major Species
Western Canadian Freshwater Fisheries, 1993 - 2001

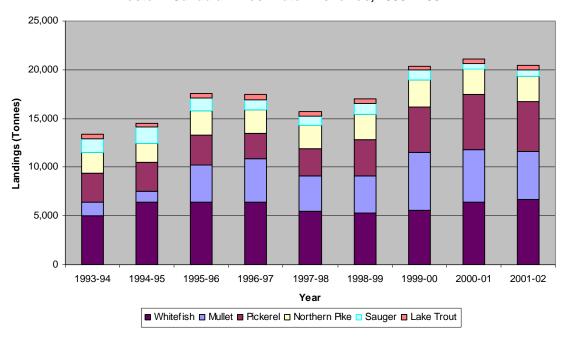


Figure 1.10
Landed Value Trend by Major Species
Western Canadian Freshwater Fisheries, 1993 - 2001

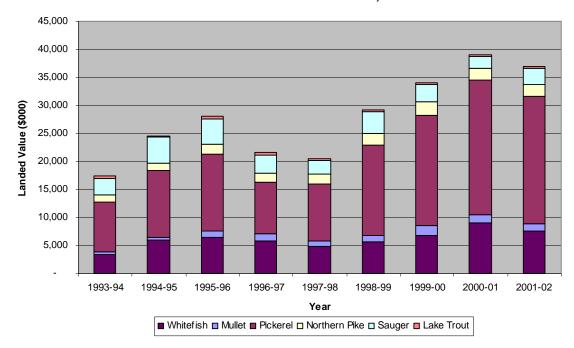


Table 1.5
Landings and Landed Value Trend by Species
Western Canadian Freshwater Fisheries, 1993 – 2001

Species	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Whitefish	5,060	6,388	6,436	6,378	5,484	5,300	5,596	6,459	6,694
% Change		26.2%	0.8%	-0.9%	-14.0%	-3.4%	5.6%	15.4%	3.6%
% of Total Landings	35%	41%	33.8%	33.8%	32.8%	29.1%	25.9%	29.2%	30.6%
Mullet	1,310	1,155	3815	4,532	3,633	3,822	5,936	5,298	4,947
% Change		-11.8%	230.3%	18.8%	-19.8%	5.2%	55.3%	-10.7%	-6.6%
% of Total Landings	9%	7%	20.0%	24.0%	21.7%	21.0%	27.5%	23.9%	22.6%
Pickerel	3,035	2,987	3075	2,593	2,770	3,688	4,627	5,708	5,120
% Change		-1.6%	2.9%	-15.7%	6.8%	33.1%	25.5%	23.4%	-10.3%
% of Total Landings	21%	19%	16.2%	13.8%	16.6%	20.3%	21.4%	25.8%	23.4%
Northern Pike	2,073	1,883	2435	2,350	2,407	2,624	2,818	2,621	2,524
% Change		-9.2%	29.3%	-3.5%	2.4%	9.0%	7.4%	-7.0%	-3.7%
% of Total Landings	14%	12%	12.8%	12.5%	14.4%	14.4%	13.1%	11.8%	11.5%
Sauger	1,434	1,693	1319	1,099	969	1,128	1,013	585	687
% Change		18.1%	-22.1%	-16.7%	-11.8%	16.4%	-10.2%	-42.3%	17.4%
% of Total Landings	10%	11%	6.9%	5.8%	5.8%	6.2%	4.7%	2.6%	3.1%
Lake Trout	471	436	449	530	474	425	368	406	497
% Change		-7.4%	3.0%	18.0%	-10.6%	-10.3%	-13.4%	10.3%	22.4%
% of Total Landings	3%	3%	2.4%	2.8%	2.8%	2.3%	1.7%	1.8%	2.3%
Others*	919	1,188	1506	1375	986	1198	1230	1080	1416
% Change		29.3%	26.8%	-8.7%	-28.3%	21.5%	2.7%	-12.2%	31.1%
% of Total Landings	6%	8%	7.9%	7.3%	5.9%	6.6%	5.7%	4.9%	6.5%
Total	14,302	15,730	19,035	18,857	16,723	18,185	21,588	22,157	21,885
% Change		10.0%	21.0%	-0.9%	-11.3%	8.7%	18.7%	2.6%	-1.2%
Landed Value (\$000)									
Whitefish	3,370	6,046	6,408	5,882	4,869	5,627	6,808	9,005	7,533
% Change		79.4%	6.0%	-8.2%	-17.2%	15.6%	21.0%	32.3%	-16.3%
Mullet	427	403	1,154	1,290	952	1,111	1,707	1,539	1,380
% Change		-5.6%	186.4%	11.8%	-26.2%	16.7%	53.6%	-9.8%	-10.3%
Pickerel	8,922	11,982	13,669	9,196	10,190	16,169	19,775	23,925	22,759
% Change		34.3%	14.1%	-32.7%	10.8%	58.7%	22.3%	21.0%	-4.9%
Northern Pike	1,383	1,308	1,757	1,591	1,653	2,140	2,335	2,223	1,975
% Change		-5.4%	34.3%	-9.4%	3.9%	29.5%	9.1%	-4.8%	-11.2%
Sauger	2,912	4,574	4,645	3,184	2,508	3,816	3,156	1,993	2,952
% Change		57.1%	1.6%	-31.5%	-21.2%	52.2%	-17.3%	-36.9%	48.1%
Lake Trout	337	159	445	456	366	320	286	313	380
% Change		-52.8%	179.9%	2.5%	-19.7%	-12.6%	-10.6%	9.4%	21.4%
Others	1,064	2,533	2,800	1,766	1,444	1,853	1,840	1,647	3,606
% Change		138.1%	10.5%	-36.9%	-18.2%	28.3%	-0.7%	-10.5%	118.9%
Total	18,415	27,005	30,878	23,365	21,982	31,036	35,907	40,645	40,585
% Change		46.7%	14.3%	-24.3%	-5.9%	41.2%	15.7%	13.2%	-0.2%

Note: \* Includes burbot, goldeye, carp, drum, inconnu, perch, tullibee, white bass, and whitefish roe.

Figure 1.11
Landings by Major Western Canadian Lakes
Western Canadian Freshwater Fisheries, 1993 - 2001

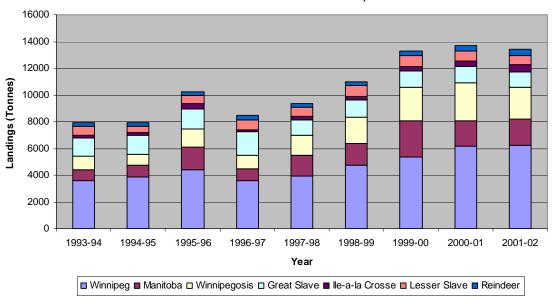


Figure 1.12
Landed Value by Major Western Canadian Lakes
Western Canadian Freshwater Fisheries, 1993 - 2001

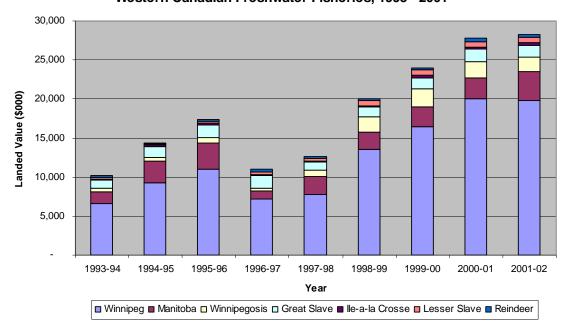


Table 1.6 Landings and Landed Value Trend by Major Western Canadian Lakes Western Canadian Freshwater Fisheries, 1993 – 2001

Major Lakes	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Winnipeg	3,624	3,882	4,387	3,611	3,907	4,761	5,334	6,174	6,213
% Change		7.1%	13.0%	-17.7%	8.2%	21.9%	12.0%	15.7%	0.6%
Manitoba	795	887	1,688	873	1,602	1,594	2,715	1,916	2,004
% Change		11.6%	90.3%	-48.3%	83.5%	-0.5%	70.3%	-29.4%	4.6%
Winnipegosis	983	779	1,409	1,025	1,458	1,991	2,557	2,847	2,366
% Change		-20.8%	80.9%	-27.3%	42.2%	36.6%	28.4%	11.3%	-16.9%
Great Slave	1,358	1,410	1,446	1,712	1,201	1,257	1,212	1,169	1,149
% Change		3.8%	2.6%	18.4%	-29.8%	4.7%	-3.6%	-3.5%	-1.7%
Lesser Slave	644	520	612	728	686	800	820	754	725
% Change		-19.3%	17.7%	19.0%	-5.8%	16.6%	2.5%	-8.0%	-3.8%
Reindeer	271	246	275	316	265	287	321	404	433
% Change		-9.2%	11.8%	14.9%	-16.1%	8.3%	11.8%	25.9%	7.2%
lle-a-la Crosse	242	209	446	183	261	281	333	412	508
% Change		-13.6%	113.4%	-59.0%	42.6%	7.7%	18.5%	23.7%	23.3%
Total	7,917	7,933	10,263	8,448	9,380	10,971	13,292	13,676	13,398
% Change		0.2%	29.4%	-17.7%	11.0%	17.0%	21.2%	2.9%	-2.0%
% of Total Landings	55.4%	50.4%	61.4%	46.5%	43.5%	49.5%	60.7%	60.6%	65.2%
Total Landings*	14,302	15,730	16,722	18,185	21,588	22,157	21,885	22,568	20,549
Landed Value (\$000)	<del>-</del>								
Winnipeg	6,546	9,246	11,017	7,202	7,784	13,510	16,487	19,982	19,805
% Change		41.2%	19.2%	-34.6%	8.1%	73.6%	22.0%	21.2%	-0.9%
Manitoba	1,618	2,782	3,354	977	2,237	2,273	2,559	2,719	3,749
% Change		71.9%	20.6%	-70.9%	129.0%	1.6%	12.6%	6.3%	37.9%
Winnipegosis	465	448	699	435	832	1,899	2,250	2,077	1,837
% Change		-3.7%	56.0%	-37.8%	91.3%	128.2%	18.5%	-7.7%	-11.6%
Great Slave	949	1,437	1,567	1,577	1,071	1,270	1,422	1,576	1,454
% Change		51.4%	9.0%	0.6%	-32.1%	18.6%	12.0%	10.8%	-7.7%
Lesser Slave	203	137	199	394	384	594	686	707	647
% Change		-32.5%	45.3%	98.0%	-2.5%	54.7%	15.5%	3.1%	-8.5%
Reindeer	203	116	255	282	203	246	298	393	390
% Change		-42.9%	119.8%	10.6%	-28.0%	21.2%	21.1%	31.9%	-0.8%
Ile-a-la Crosse	179	215	250	90	126	207	300	293	366
% Change		20.1%	16.3%	-64.0%	40.0%	64.3%	44.9%	-2.3%	24.9%
Total	10,163	14,381	17,341	10,957	12,637	19,999	24,002	27,747	28,248
% Change		41.5%	20.6%	-36.8%	15.3%	58.3%	20.0%	15.6%	1.8%
% of Total Landed Value	55.2%	53.3%	78.9%	35.3%	35.2%	49.2%	59.1%	67.6%	84.7%
Total Landed Value**	18,415	27,005	21,982	31,036	35,907	40,645	40,585	41,052	33,345

Notes: \* Total landings in all Western Canadian lakes; \*\* Total landed values of landings in all Western Canadian lakes.

Figure 1.13
Estimated Number of Self-Employed Harvesters
Western Canadian Freshwater Fisheries, 1993 - 2001

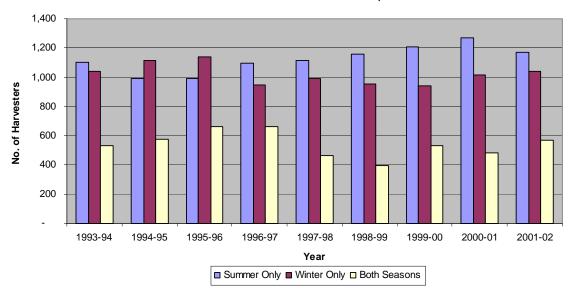


Table 1.7 Number of Self-Employed Harvesters Trend by Season Fished Western Canadian Freshwater Fisheries, 1993 – 2001

		Year							
Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Summer Only	1,102	992	990	1,099	1,113	1,157	1,208	1,268	1,169
% Change		-10.0%	-0.2%	11.0%	1.3%	4.0%	4.4%	5.0%	-7.8%
Winter Only	1,038	1,114	1,138	949	990	955	941	1,015	1,043
% Change		7.3%	2.2%	-16.6%	4.3%	-3.5%	-1.5%	7.9%	2.8%
Both Seasons	531	574	664	664	466	398	530	483	573
% Change		8.1%	15.7%	0.0%	-29.8%	-14.6%	33.2%	-8.9%	18.6%
Total	2,671	2,680	2,792	2,712	2,569	2,510	2,679	2,766	2,785
% Change		0.3%	4.2%	-2.9%	-5.3%	-2.3%	6.7%	3.3%	0.7%

Figure 1.14

Number of Self-Employed Harvesters by Landed Value
Western Canadian Freshwater Fisheries, 1993 - 2001

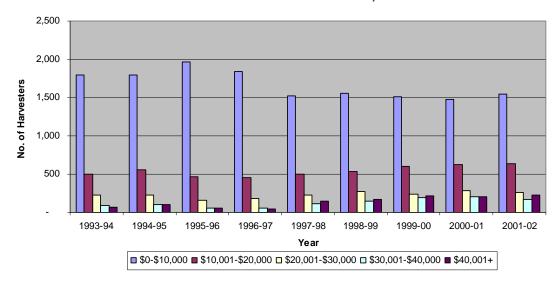


Table 1.8
Average Payment, Weight and Total Number of Self-Employed Harvesters Trend by Landed Value
Western Canadian Freshwater Fisheries, 1993 – 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Average Payment (\$)									
\$0-\$10,000	3,424	3,720	3,519	3,575	3,695	3,892	3,780	3,685	3,769
\$10,001-\$20,000	14,417	14,323	20,037	19,909	16,479	16,429	14,099	13,500	13,822
\$20,001-\$30,000	24,261	24,475	24,044	23,746	24,922	24,624	25,180	24,743	24,500
\$30,001-\$40,000	34,572	34,115	34,980	33,996	33,950	34,314	34,012	34,404	34,583
\$40,001+	65,789	66,191	69,215	64,931	59,934	60,843	61,672	60,396	61,791
Average Weight (t)									
\$0-\$10,000	1,899	2,184	2,485	3,002	2,563	2,960	2,889	2,751	2,911
\$10,001-\$20,000	6,390	6,781	13,037	15,874	11,029	11,847	10,074	9,318	9,579
\$20,001-\$30,000	10,697	11,146	14,300	14,973	12,806	13,665	13,585	12,240	13,240
\$30,001-\$40,000	14,923	15,803	19,763	24,618	15,809	16,876	14,014	15,069	15,303
\$40,001+	36,469	31,495	46,939	55,338	34,466	35,934	31,243	29,929	31,656
Number of Self-Employe	ed Harvesters								
\$0-\$10,000	1,792	1,799	1,970	1,838	1,522	1,555	1,512	1,477	1,547
\$10,001-\$20,000	497	560	470	450	501	531	601	621	636
\$20,001-\$30,000	225	231	159	179	222	276	241	279	259
\$30,001-\$40,000	95	102	59	55	116	146	191	207	165
\$40,001+	70	100	54	47	149	172	221	201	226
Total	2,679	2,792	2,712	2,569	2,510	2,680	2,766	2,785	2,833
% Change		4.2%	-2.9%	-5.3%	-2.3%	6.8%	3.2%	0.7%	1.7%

Figure 1.15

Number of Full-Time Equivalent Employment Trend by Landed Value

Western Canadian Freshwater Fisheries, 1993 - 2001

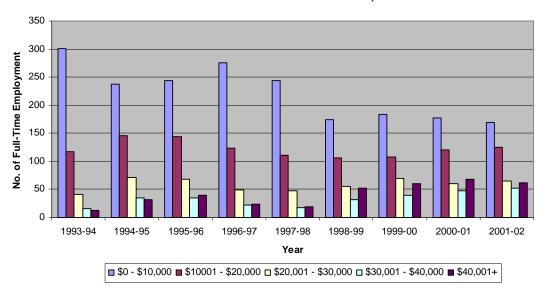


Table 1.9
Number of Full-Time Equivalent Employment Trend by Landed Value
Western Canadian Freshwater Fisheries, 1993 – 2001

	Year								
Landed Values Range	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
\$0 - \$10,000	301	237	244	276	244	174	184	178	170
\$10001 - \$20,000	117	145	144	123	111	105	107	121	126
\$20,001 - \$30,000	42	71	68	50	48	56	69	60	64
\$30,001 - \$40,000	16	34	35	22	18	31	39	48	52
\$40,001+	13	32	39	24	19	52	60	68	62
Total	489	520	531	495	440	418	459	475	474
% Change	-	2.0%	2.0%	-6.8%	-11.0%	-5.2%	9.9%	3.5%	-0.2%

## **Section 2:**

Analysis by Jurisdiction:
Alberta (AB)
Saskatchewan (SK)
Manitoba (MB)
Northwest Territories (NWT

Figure 2.1
Landings by Jurisdiciton
2001/02
Total: 21,883 tonnes

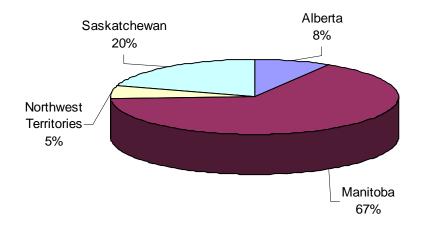


Figure 2.2
Landed Value by Jurisdiction
2001/02
Total: \$40.6 Million

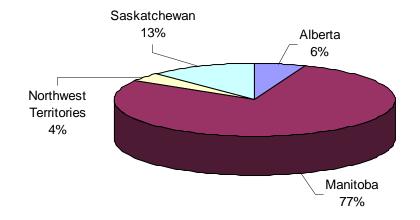


Table 2.1 Landings, Landed and Market Value Western Canadian Freshwater Fisheries, 2001/02

Jurisdiction	Landings (t)	Landed value (\$000)	Market Value (\$000)
Alberta	1,854	2,387	4,216
Manitoba	14,414	31,548	46,526
Northwest Territories	1,167	1,519	2,260
Saskatchewan	4,425	5,102	10,138
Total	21,860	40,555	63,140

Table 2.2 Number of Self-Employed Harvesters by Season Fished Western Canadian Freshwater Fisheries, 2001/02

Saaaan	A lls a wéa	Cookstahawan	Manitaha	Northwest	Total
Season	Alberta	Saskatchewan	Manitoba	Territories	Total
Summer only	43	243	838	44	1,168
Winter only	46	353	593	48	1,040
Both seasons	50	39	424	59	572
Total	139	635	1855	151	2,780

Figure 2.3
Self-Employed Harvesters by Region 2001/02
Total: 2,785 Harvesters

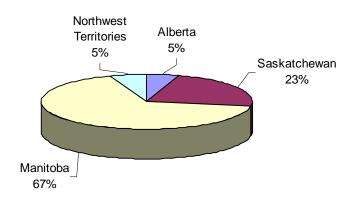


Figure 2.4 Harvesters by Season and Region 2001/02

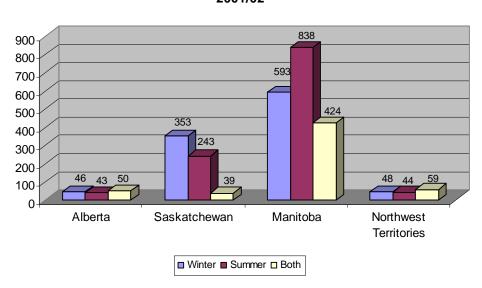
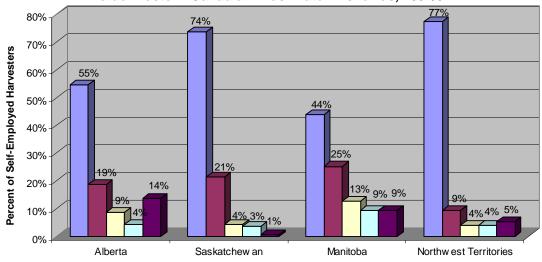


Figure 2.5
Percentage Distribution of Self-Employed Harvesters by Landed
Value Western Canadian Freshwater Fisheries, 2001/02



□ \$0-\$10,000 ■ \$10001-\$20,000 □ \$20,001-\$30,000 □ 30,001-\$40,000 ■ \$40,001+

Table 2.3
Distribution of Self-Employed Harvesters by Landed Value
Western Canadian Freshwater Fisheries, 2001/02

Landed Values	Alberta	Saskatchewan	Manitoba	Northwest Territories	Region
\$0 - \$10,000	76	468	811	117	1,472
\$10001 - \$20,000	26	113	468	14	621
\$20,001 - \$30,000	12	27	233	6	278
\$30,001 - \$40,000	6	22	173	6	207
\$40,001+	19	4	170	8	201
Total	139	634	1,855	145	2,773

Figure 2.6
Full-Time Equivalent Employment by Landed Value and Jurisdiction
Western Canadian Freshwater Fisheries, 2001/02

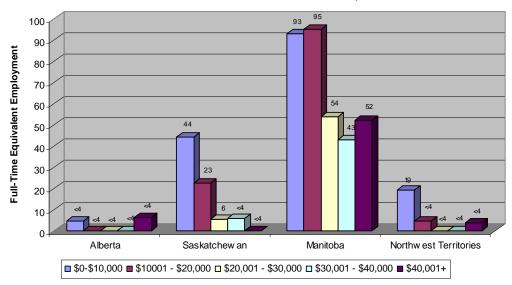


Table 2.4
Distribution of Full-Time Equivalent Employment by Landed Value
Western Canadian Freshwater Fisheries, 2001/02

Landed Value	Alberta	Saskatchewan	Manitoba	Northwest Territories	Region
\$0 - \$10,000	5	44	93	19	161
\$10001 - \$20,000	<4	23	95	5	123
\$20,001 - \$30,000	<4	6	54	<4	59
\$30,001 - \$40,000	<4	6	43	<4	49
\$40,001+	6	<4	52	4	62
Total	11	72	338	28	449

Note: Total does not include the number for less than 4.

Figure 2.7
Landings Trend by Jurisdiction
Western Canadian Freshwater Fisheries, 1993 - 2001

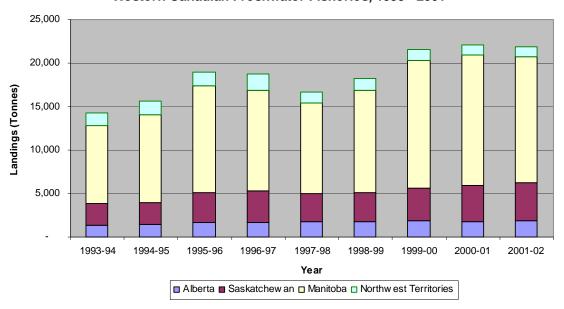


Figure 2.8

Percent of Total Landings by Jurisdiction

Western Canadian Freshwater Fisheries, 1993 - 2001

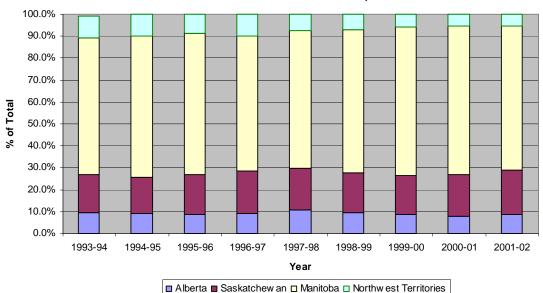


Figure 2.9
Landed Value Trend by Jurisdiction
Western Canadian Freshwater Fisheries, 1993 - 2001

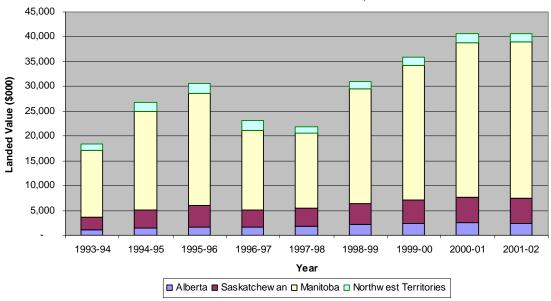


Table 2.5
Landings and Landed Value Trend
Western Canadian Freshwater Fisheries, 1993 - 2001

Jurisdiction	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Alberta	1,325	1,432	1,624	1,716	1,764	1,758	1,903	1,739	1,854
% Change		8.1%	13.4%	5.7%	2.8%	-0.3%	8.2%	-8.6%	6.6%
% Total Landings	9.3%	9.1%	8.6%	9.1%	10.6%	9.7%	8.8%	7.9%	8.5%
Saskatchewan	2,517	2,571	3,496	3,615	3,215	3,310	3,761	4,159	4,425
% Change		2.1%	36.0%	3.4%	-11.1%	3.0%	13.6%	10.6%	6.4%
% Total Landings	17.6%	16.4%	18.4%	19.2%	19.3%	18.2%	17.5%	18.8%	20.2%
Manitoba	8,997	10,086	12,232	11,593	10,439	11,811	14,633	15,016	14,414
% Change		12.1%	21.3%	-5.2%	-10.0%	13.1%	23.9%	2.6%	-4.0%
% Total Landings	63.0%	64.4%	64.5%	61.7%	62.6%	65.0%	67.9%	67.9%	65.9%
Northwest Territories	1,450	1,580	1,624	1,867	1,253	1,302	1,245	1,200	1,167
% Change		9.0%	2.8%	15.0%	-32.9%	3.9%	-4.4%	-3.6%	-2.8%
% Total Landings	10.1%	10.1%	8.6%	9.9%	7.5%	7.2%	5.8%	5.4%	5.3%
Total	14,289	15,669	18,976	18791	16,671	18,181	21,542	22,114	21,860
% Change		9.7%	21.1%	-1.0%	-11.3%	9.1%	18.5%	2.7%	-1.2%
Landed Value (\$000)									
Alberta	1,048	1,523	1,682	1,642	1,870	2,096	2,455	2,624	2,387
% Change		45.3%	10.4%	-2.4%	13.9%	12.1%	17.1%	6.9%	-9.0%
Saskatchewan	2,567	3,501	4,268	3,546	3,663	4,324	4,659	4,958	5,102
% Change		36.4%	21.9%	-16.9%	3.3%	18.0%	7.7%	6.4%	2.9%
Manitoba	13,587	19,847	22,565	15,966	15,043	23,160	27,161	31,299	31,548
% Change		46.1%	13.7%	-29.2%	-5.8%	54.0%	17.3%	15.2%	0.8%
Northwest Territories	1,178	1,967	2,172	2,011	1,241	1,447	1,525	1,676	1,519
% Change		67.0%	10.4%	-7.4%	-38.3%	16.6%	5.4%	9.9%	-9.4%
Total	18,380	26,838	30,687	23,165	21,817	31,027	35,800	40,557	40,556
% Change		46.0%	14.3%	-24.5%	-5.8%	42.2%	15.4%	13.3%	0.0%

Figure 2.10

Number of Self-Employed Harvesters by Season Fished (Summer Only)

Western Canadian Freshwater Fisheries, 1993 - 2001

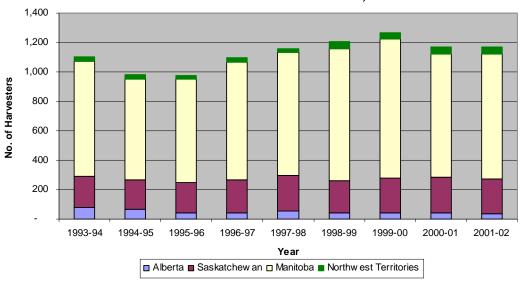


Figure 2.11

Number of Self-Employed Harvesters by Season Fished (Winter Only)

Western Canadian Freshwater Fisheries, 1993 - 2001

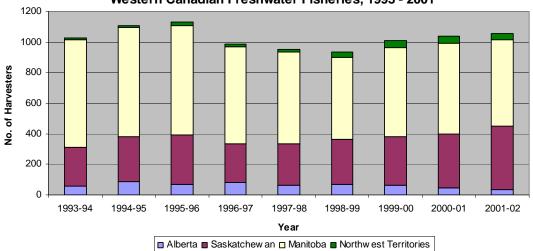


Figure 2.12

Number of Self-Employed Harvesters by Season Fished (Both Seasons)

Western Canadian Freshwater Fisheries, 1993 - 2001

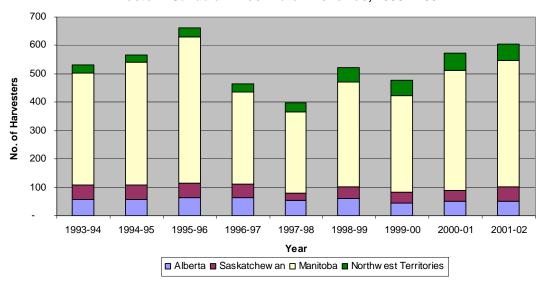


Table 2.6 Number of Self-Employed Harvesters Trend by Season Fished Western Canadian Freshwater Fisheries, 1993-2001

Jurisdiction	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Alberta	197	208	178	183	172	166	147	139	124
Summer only	80	67	43	41	55	40	41	43	35
Winter only	60	85	72	79	64	67	63	46	37
Both seasons	57	56	63	63	53	59	43	50	52
Saskatchewan	515	545	580	528	540	561	598	635	703
Summer only	209	199	208	228	243	219	237	243	239
Winter only	254	295	319	253	271	299	320	353	413
Both seasons	52	51	53	47	26	43	41	39	51
Manitoba	1,882	1,835	1,934	1,762	1,723	1,805	1,869	1,855	1,858
Summer only	786	687	702	798	834	900	948	838	848
Winter only	701	715	718	638	601	536	582	593	567
Both seasons	395	433	514	326	288	369	339	424	443
Northwest Territories	67	70	75	77	73	131	136	151	146
Summer only	27	29	24	28	25	47	40	44	49
Winter only	14	14	20	19	18	33	43	48	39
Both seasons	26	27	31	30	30	51	53	59	58
Total	2,661	2,658	2,767	2,550	2,508	2,663	2,750	2,780	2,831
% Change		-0.1%	4.1%	-7.8%	-1.7%	6.2%	3.3%	1.1%	1.8%
Summer only	1,102	982	977	1,095	1,157	1,206	1,266	1,168	1,171
Winter only	1,029	1,109	1,129	989	954	935	1,008	1,040	1,056
Both seasons	530	567	661	466	397	522	476	572	604

Figure 2.13

Number of Full-Time Equivalent Employment Trend
Western Canadian Freshwater Fisheries, 1993 - 2001

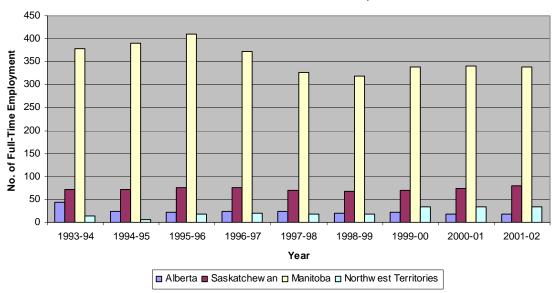


Table 2.7 Number of Full-Time Equivalent Employment Trend Western Canadian Freshwater Fisheries, 1993- 2001

Jurisdiction	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Alberta	43	23	22	23	23	19	21	17	17
Saskatchewan	72	72	76	76	70	67	69	74	80
Manitoba	379	390	410	372	327	319	339	340	338
Northwest Territories	14	5	18	19	18	18	33	33	33
Total	508	491	526	490	438	423	462	464	468
% Change		-3.5%	6.7%	-7.3%	-11.9%	-3.6%	8.4%	0.4%	0.9%

**Section 3:** 

Alberta

Figure 3.1 Landings by Species Alberta, 2001/02 Total: 1,854 tonnes

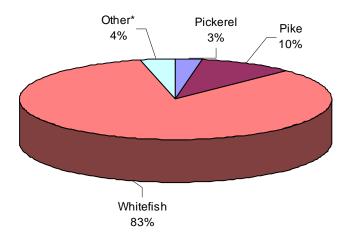
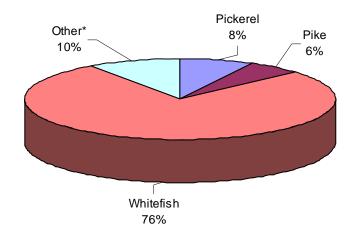


Figure 3.2 Landed Value by Species Alberta, 2001/02 Total: \$2.4 Million



<sup>\*</sup>Other includes whitefish roe, tullibee, and goldeye.

Table 3.1 Landings, Landed and Market Value by Species Alberta, 2001/02

Species	Landings (t)	Landed Value (\$000)	Market Value (\$000)
Whitefish	1,554	1,833	3,035
Whitefish Roe	32	201	435
Pickerel	49	185	291
Pike	181	135	370
Tullibee	30	26	70
Goldeye	2	4	9
Mullet	4	1	5
Perch	0	1	1
Total	1,854	2,387	4,216

Figure 3.3 Landings by Major Lakes Alberta, 2001/02 Total: 1,854 tonnes

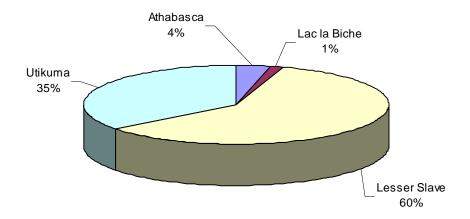


Figure 3.4 Landed Value by Major Lake Alberta, 2001/02 Total: \$2.4 Million

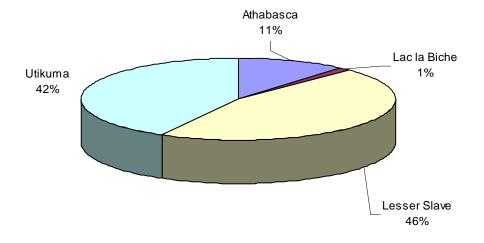


Table 3.2 Landings and Landed Value by Species and Major Lakes Alberta, 2001/02

				Major	Lakes					
	Athab	asca	Lac la Biche		Lesser Slave		Utikuma		Alberta	
	Landings	Landed Value	Landings	Landed Value	Landings	Landed Value	Landings	Landed Value	Landings	Landed Value
Species	(t)	(\$000)	(t)	(\$000)	(t)	(\$000)	(t)	(\$000)	(t)	(\$000)
Whitefish	0	0	13	18	671	458	275	480	1,554	1,833
Pickerel	41	153	0	0	8	29	0	0	49	185
Northern Pike	0	0	2	1	24	19	132	97	181	135
Others*	2	4	3	1	23	141	24	14	69	231
Total	43	157	18	20	726	647	431	591	1,853	2,384

Note: \* Includes whitefish roe, tullibee, and goldeye.

Figure 3.5
Self-Employed Harvesters by Season,
Alberta 2001-02
Total: 139 Harvesters

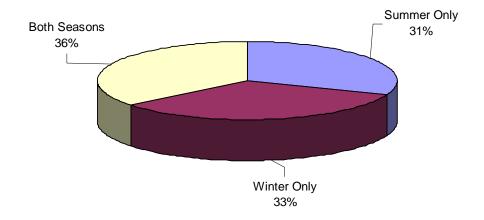
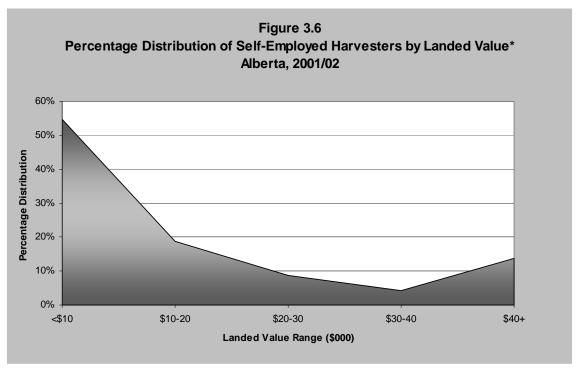


Table 3.3 Number of Self-Employed Harvesters by Season Fished Alberta, 2001/02

Season	Self-Employed
Summer Only	43
Winter Only	46
Both Seasons	50
Total	139



Note: \* The shaded area under the line curve is 100%.

Average Payment

40,000 30,000

20,000 10,000

<\$10

Figure 3.7 Average Payment, Weight, and the Number of Self-Employed **Harvesters By Landed Value** Alberta, 2001/02 70,000 60,000 50,000

\$20-\$30

Landed Value (\$000)

- Average Payment — Average Weight

\$30-\$40

No. of Harvesters

\$10-\$20

80 70

60

20 8

10

\$40+

Figure 3.8

Number of Full-Time Equivalent Employment by Landed Value
Alberta, 2001/02

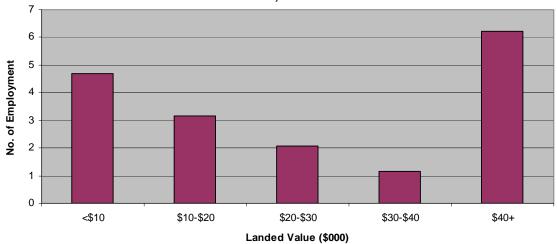


Table 3.4
Landings, Landed Value, Full-Time Equivalent Employment and Fishing Effort by
Landed Value
Alberta, 2001/02

			Av	erages Pe	er Harveste	ers
Landed Value	No. of Harvesters	Full-Time Employment	Deliveries	Weeks	Weight (lb.)	Payments (\$)
\$0 - \$10,000	76	5	8	3	2,354	3,564
\$10001 - \$20,000	26	<4	20	6	8,889	13,047
\$20,001 - \$30,000	12	<4	26	9	17,616	24,849
\$30,001 - \$40,000	6	<4	27	10	26,187	37,980
\$40,001+	19	6	54	17	56,614	65,824

Note: (i) Weeks refer to a week in which fishing activities occurred; (ii) Payments refer to value paid to harvesters upon delivery

Figure 3.9 Landings Trend by Major Species Alberta, 1993 - 2001

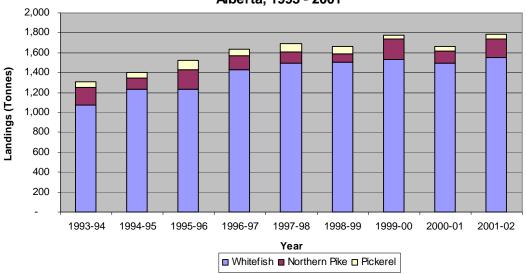


Figure 3.10 Landed Value Trend by Major Species Alberta, 1993 - 2001

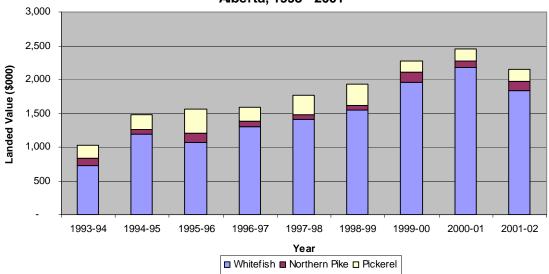


Table 3.5 Landings and Landed Value Trend by Species Alberta, 1993 – 2001

Species	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Whitefish	1,073	1,237	1,231	1,433	1,495	1,504	1,537	1,498	1,554
% Change		15.3%	-0.5%	16.4%	4.3%	0.6%	2.2%	-2.5%	3.7%
% Total Landings	81.0%	86.4%	75.8%	83.5%	84.8%	85.6%	80.8%	86.1%	83.9%
Northern Pike	176	109	201	136	108	81	199	117	181
% Change		-38.1%	84.4%	-32.3%	-20.6%	-25.0%	145.7%	-41.2%	54.7%
% Total Landings	13.3%	7.6%	12.4%	7.9%	6.1%	4.6%	10.5%	6.7%	9.8%
Pickerel	61	57	89	65	86	77	41	46	49
% Change		-6.6%	56.1%	-27.0%	32.3%	-10.5%	-46.8%	12.2%	6.5%
% Total Landings	4.6%	4.0%	5.5%	3.8%	4.9%	4.4%	2.2%	2.6%	2.6%
Others*	15	29	103	82	74	96	126	78	68
% Change		93.3%	255.2%	-20.4%	-9.8%	29.7%	31.3%	-38.1%	-12.8%
% Total Landings	1.1%	2.0%	6.3%	4.8%	4.2%	5.5%	6.6%	4.5%	3.7%
Total	1,325	1,432	1,624	1,716	1,763	1,758	1,903	1,739	1,852
% Change		8.1%	13.4%	5.7%	2.7%	-0.3%	8.3%	-8.6%	6.5%
Landed Value (\$000)									
Whitefish	720	1,190	1,063	1,303	1,407	1,542	1,953	2,181	1,833
% Change		65.3%	-10.7%	22.6%	8.0%	9.6%	26.7%	11.7%	-16.0%
Pike	113	67	137	87	69	68	162	99	135
% Change		-40.7%	104.5%	-36.5%	-20.7%	-1.4%	138.2%	-38.9%	36.4%
Pickerel	189	221	366	204	285	322	158	166	185
% Change		16.9%	65.6%	-44.3%	39.7%	13.0%	-50.9%	5.1%	11.4%
Others*	26	45	116	47	108	165	183	177	233
% Change		73.1%	157.8%	-59.5%	129.8%	52.8%	10.9%	-3.3%	31.6%
Total	1,048	1,523	1,682	1,641	1,869	2,097	2,456	2,623	2,386
% Change		45.3%	10.4%	-2.4%	13.9%	12.2%	17.1%	6.8%	-9.0%

Note: \* Includes whitefish roe, mullet, tullibee, perch, and goldeye.

Figure 3.11 Landings by Major Lakes Alberta, 1993 - 2001

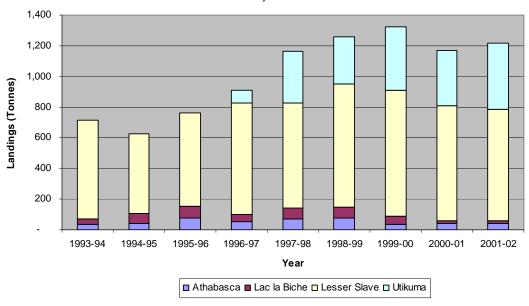


Figure 3.12 Landed Value by Major Lakes Alberta, 1993 - 2001

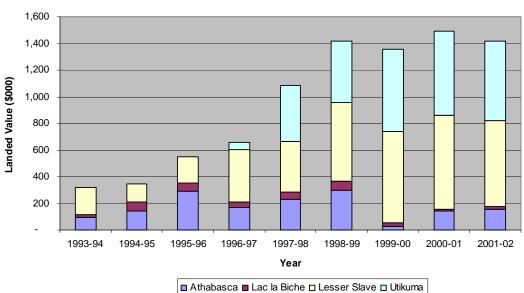


Table 3.6 Landings and Landed Value Trend by Major Lakes Alberta, 1993 – 2001

Major Lakes	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Athabasca	38	41	75	54	70	74	36	41	43
% Change		7.9%	82.9%	-28.0%	29.6%	5.7%	-51.4%	13.9%	4.9%
Lac la Biche	31	67	77	47	69	75	51	16	18
% Change		116.1%	14.9%	-39.0%	46.8%	8.7%	-32.0%	-68.6%	12.5%
Lesser Slave	644	520	612	728	686	800	820	754	725
% Change		-19.3%	17.7%	19.0%	-5.8%	16.6%	2.5%	-8.0%	-3.8%
Utikuma*				82	338	307	419	358	432
% Change					312.2%	-9.2%	36.5%	-14.6%	20.7%
Total	713	628	764	911	1,163	1,256	1,326	1,169	1,218
% Change		-11.9%	21.7%	19.2%	27.7%	8.0%	5.6%	-11.8%	4.2%
% of Total Landings**	53.8%	43.8%	47.0%	53.1%	66.6%	71.4%	69.6%	67.2%	65.7%
Total Landings	1,325	1,433	1,624	1,716	1,763	1,758	1,904	1,739	1,854
Landed Value (\$000)		_							
Athabasca	96	143	292	170	229	295	26	143	156
% Change		49.0%	104.2%	-41.8%	34.7%	28.8%	-91.2%	450.0%	9.1%
Lac la Biche	22	64	61	37	54	68	29	13	20
% Change		190.9%	-4.7%	-39.3%	45.9%	25.9%	-57.4%	-55.2%	53.8%
Lesser Slave	203	137	199	394	384	594	686	707	647
% Change		-32.5%	45.3%	98.0%	-2.5%	54.7%	15.5%	3.1%	-8.5%
Utikuma				55	420	462	616	628	593
% Change					663.6%	10.0%	33.3%	1.9%	-5.6%
Total	321	344	552	656	1,087	1,419	1,357	1,491	1,416
% Change % of Total Landed		7.2%	60.5%	18.9%	65.7%	30.5%	-4.4%	9.9%	-5.0%
Value	30.6%	22.6%	32.8%	40.0%	58.1%	67.7%	57.7%	56.9%	59.4%
Total Landed Value***	1,048	1,524	1,682	1,642	1,870	2,097	2,353	2,622	2,385

Notes: \* The spike at Lake Utikuma in 1997/98 reflects irregularities in commercial deliveries caused by low oxygen level. Harvesters are permitted to exceed quotas in a winter with very low oxygen levels which may be followed by several years of reduced quotas while the whitefish stock recovers; \*\* Total landings in all lakes in Alberta; \*\*\* Total landed values of landings in all lakes in Alberta.

Figure 3.13

Number of Self-Employed Harvesters Trend by Season

Alberta, 1993 – 2001

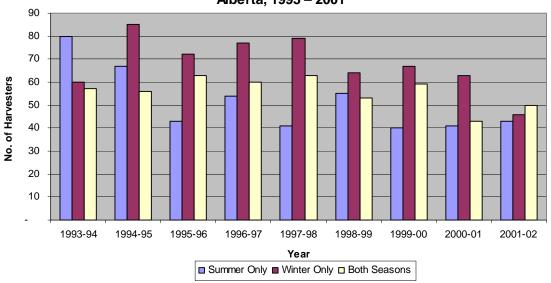


Table 3.7 Number of Self-Employed Harvesters Trend by Season Fished Alberta, 1993 – 2001

Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Summer Only	80	67	43	54	41	55	40	41	43
% Change		-16.3%	-35.8%	25.6%	-24.1%	34.1%	-27.3%	2.5%	4.9%
Winter Only	60	85	72	77	79	64	67	63	46
% Change		41.7%	-15.3%	6.9%	2.6%	-19.0%	4.7%	-6.0%	-27.0%
Both Seasons	57	56	63	60	63	53	59	43	50
% Change		-1.8%	12.5%	-4.8%	5.0%	-15.9%	11.3%	-27.1%	16.3%
Total	197	208	178	191	183	172	166	147	139
% Change		8.1%	-14.4%	7.3%	-4.2%	-6.0%	-3.5%	-11.5%	-5.5%

Figure 3.14 Estimated Number of Self-Employed Harvesters by Landed Value Alberta, 1993 - 2001

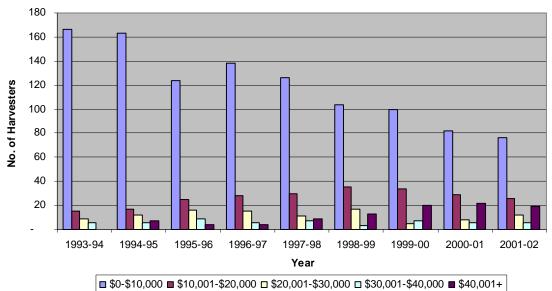


Table 3.8 Average Payment, Weight and Number of Self-Employed Harvesters Trend by Landed Value Alberta, 1993 - 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Average Payment (\$)	_	_			-			-	
\$0-\$10,000	1,839	2,318	2,959	3,139	3,553	2,880	3,511	3,628	3,564
\$10,001-\$20,000	13,357	15,259	14,719	14,162	14,260	13,926	14,382	14,178	13,047
\$20,001-\$30,000	24,486	25,160	24,555	24,006	24,632	26,006	22,223	24,722	24,849
\$30,001-\$40,000	33,710	33,707	35,448	35,296	35,592	37,396	34,071	35,549	37,980
\$40,001+	48,942	50,967	58,776	59,523	52,667	58,112	63,329	69,795	65,824
Average Weight (t)	_	_			-			-	
\$0-\$10,000	1,873	1,673	2,420	2,287	2,905	2,182	2,182	1,831	2,354
\$10,001-\$20,000	13,111	9,219	8,286	9,526	11,566	9,796	9,807	8,378	8,889
\$20,001-\$30,000	20,036	16,607	16,331	18,416	19,994	18,550	15,424	13,798	17,616
\$30,001-\$40,000	38,601	26,032	27,128	36,588	41,563	33,626	25,542	22,018	26,187
\$40,001+	65,308	39,455	60,533	63,107	59,979	59,451	54,827	50,212	56,614
Number of Self-Employ	ed Harvest	ers			-			-	
\$0-\$10,000	166	163	124	138	126	104	100	82	76
\$10,001-\$20,000	15	17	25	28	30	35	34	29	26
\$20,001-\$30,000	9	12	16	15	11	17	5	8	12
\$30,001-\$40,000	6	6	9	6	7	<4	7	6	6
\$40,001+	<4	7	4	4	9	13	20	22	19
Total	196	205	178	191	183	172	166	147	139
% Change		4.6%	-13.2%	7.3%	-4.2%	-6.0%	-3.5%	-11.5%	-5.4%

Figure 3.15

Number of Full-Time Equivalent Employment Trend by Landed Value

Alberta, 1993 - 2001

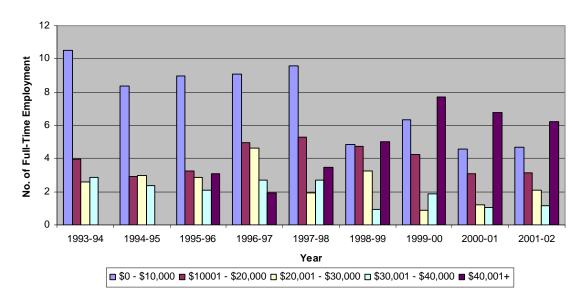


Table 3.9 Number of Full-Time Equivalent Employment Trend by Landed Value Alberta, 1993 - 2001

Landed Values Range	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
\$0 - \$10,000	23	8	9	9	10	5	6	5	5
\$10001 - \$20,000	9	<4	<4	5	5	5	4	<4	<4
\$20,001 - \$30,000	5	<4	<4	5	<4	<4	<4	<4	<4
\$30,001 - \$40,000	6	<4	<4	<4	<4	<4	<4	<4	<4
\$40,001+	0	0	<4	<4	<4	5	8	7	6
Total	43	8	9	19	15	15	18	11	11
% Change		-408.5%	6.8%	51.9%	-26.2%	-2.0%	20.5%	-61.5%	-3.9%

## **Section 4:**

Saskatchewan

Figure 4.1 Landings by Species Saskatchewan, 2001/02 Total: 4,425 tonnes

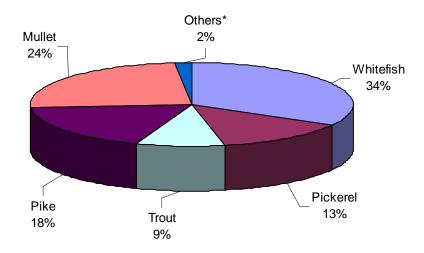
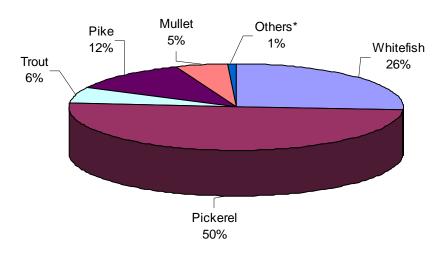


Figure 4.2 Landed Value by Species Saskatchewan, 2001/02 Total: \$5.1 Million



Note: \* Includes goldeye, perch, tullibee, Sauger and whitefish roe.

Table 4.1 Landings, Landed and Market Value by Species Saskatchewan, 2001/02

Species	Landings (t)	Landed Value (\$000)	Market Value (\$000)
Whitefish	1,476	1,338	3,210
Pickerel	590	2,554	3,474
Sauger	1	3	4
Trout	393	308	578
Pike	815	599	1,622
Mullet	1,080	262	1,090
Others	71	37	160
Total	4,425	5,102	10,138

Note: \* Includes goldeye, perch, sauger, tullibee, and whitefish roe.

Figure 4.3 Landings by Major Lake Saskatchewan, 2001/02 Total: 4,425 tonnes

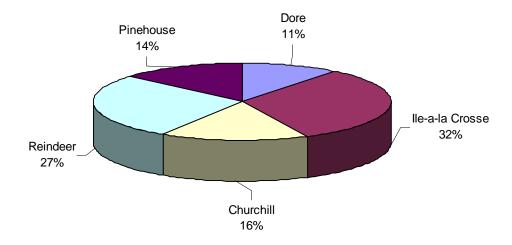


Figure 4.4 Landed Value by Major Lakes Saskatchewan, 2001/02 Total: \$5.1 Million

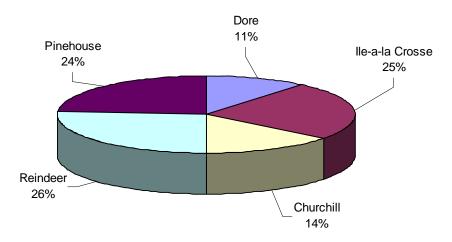


Table 4.2 Landings and Landed Value by Species and Major Lakes Saskatchewan, 2001/02

		Major Lakes											
	Doi	re	lle-a-la	Ile-a-la Crosse		Churchill		Reindeer		ouse	Saskatchewan		
Species	Landings (t)	Landed Value (\$000)											
Whitefish	101	119	27	28	7	7	158	107	52	49	1,476	1,338	
Pickerel	5	20	29	168	28	115	19	86	56	257	590	2,554	
Lake Trout	0	0	0	0	0	0	212	175	0	0	393	308	
Northern Pike	21	15	128	93	79	58	25	18	51	37	815	599	
Mullet	36	9	312	75	129	31	19	5	56	13	1,080	262	
Others*	3	1	12	2	12	4	0	0	1	2	71	40	
Total	166	164	508	366	255	215	433	391	216	358	4,425	5,101	

Note: \* Includes goldeye, perch, tullibee, sauger, and whitefish roe.

Figure 4.5
Self-Employed Harvesters by Season
Saskatchewan, 2001/02
Total: 635 Harvesters

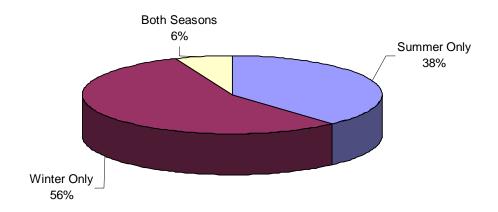
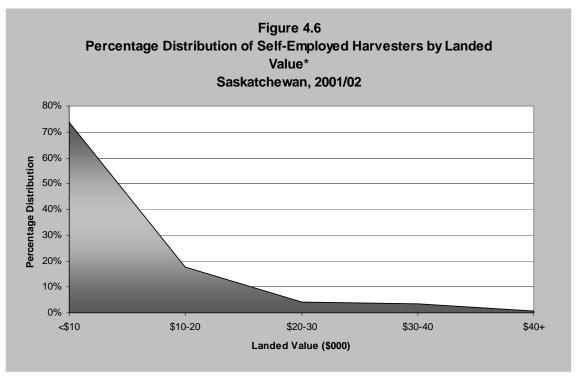


Table 4.3 Number of Self-Employed Harvesters by Season Fished Saskatchewan, 2001/02

Season	Self-Employed
Summer Only	243
Winter Only	353
Both Seasons	39
Total	635



Note: \* The shaded area under the line curve is 100%.

Figure 4.7

Average Payment, Weight, and the Number of Self-Employed

Harvesters by Landed Value

Saskatchewan, 2001/02

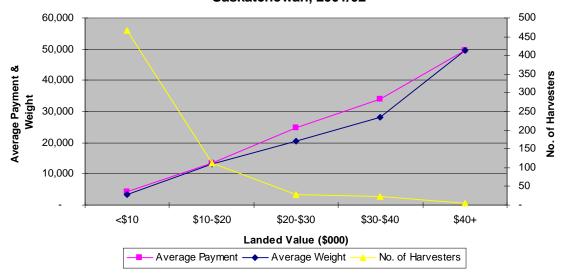


Figure 4.8

Number of Full-Time Equivalent Employment by Landed Value
Saskatchewan, 2001/02

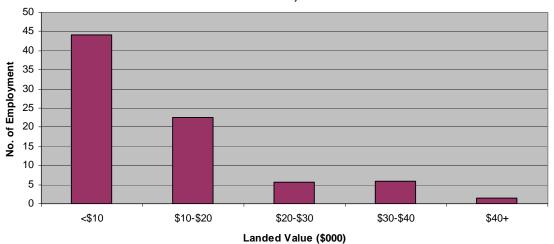


Table 4.4
Landings, Landed Value, Number of Full-Time Employment and Fishing Effort by Landed Value
Saskatchewan, 2001/02

			Averages Per Harvesters					
Landed Value	No. of Harvesters	Full-Time Employment	Deliveries	Weeks	Weight (lb.)	Payments (\$)		
\$0 - \$10,000	468	44	15	5	3,388	4,182		
\$10001 - \$20,000	113	23	38	10	13,011	13,540		
\$20,001 - \$30,000	27	6	42	11	20,403	24,736		
\$30,001 - \$40,000	22	6	50	14	28,143	33,988		
\$40,001+	4	1	78	19	49,734	49,730		

Note: (i) Weeks refer to a week in which fishing activities occurred; (ii) Payments refer to value paid to harvesters upon delivery.

Figure 4.9 Landings Trend by Major Species Saskatchewan, 1993 – 2001

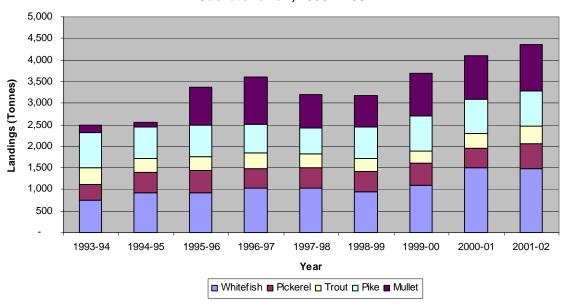


Figure 4.10 Landed Value Trend by Major Species Saskatchewan, 1993 – 2001

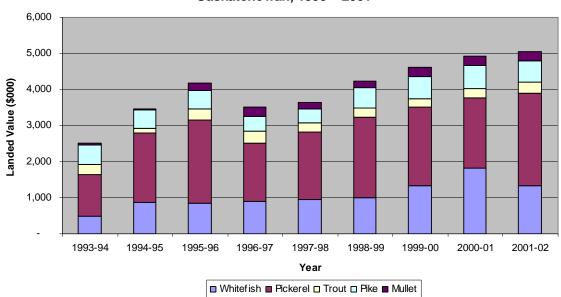


Table 4.5
Landings and Landed Value Trend by Species
Saskatchewan, 1993 – 2001

Species	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Whitefish	747	923	928	1,030	1,036	943	1,100	1,494	1,476
% Change		19.1%	0.5%	9.9%	0.6%	-9.9%	14.3%	26.4%	-1.2%
% of Total Landings	29.7%	35.9%	26.5%	28.5%	32.2%	28.5%	29.2%	35.9%	33.3%
Pickerel	376	465	515	452	467	482	505	464	590
% Change		19.1%	9.7%	-13.9%	3.2%	3.1%	4.6%	-8.8%	21.4%
% of Total Landings	14.9%	18.1%	14.7%	12.5%	14.5%	14.6%	13.4%	11.2%	13.3%
Trout	388	337	315	363	321	296	289	341	393
% Change		-13.1%	15.2%	15.2%	-11.6%	-7.8%	-2.4%	18.0%	15.2%
% of Total Landings	15.4%	13.1%	9.0%	10.0%	10.0%	8.9%	7.7%	8.2%	8.9%
Pike	804	714	727	658	596	731	800	781	815
% Change		-11.2%	-9.5%	-9.5%	-9.4%	22.7%	9.4%	-2.4%	4.4%
% of Total Landings	31.9%	27.8%	20.8%	18.2%	18.5%	22.1%	21.3%	18.8%	18.4%
Mullet	183	119	894	1,095	781	715	991	1,027	1,080
% Change		-35.0%	22.5%	22.5%	-28.7%	-8.5%	38.6%	3.6%	5.2%
% of Total Landings	7.3%	4.6%	25.6%	30.3%	24.3%	21.6%	26.3%	24.7%	24.4%
Others*	19	13	117	17	13	143	76	52	72
% Change		-46.2%	88.9%	-588.2%	-30.8%	90.9%	-88.2%	-46.2%	27.8%
% of Total Landings	0.8%	0.5%	3.3%	0.5%	0.4%	4.3%	2.0%	1.3%	1.6%
Total	2,517	2,571	3,496	3,615	3,214	3,310	3,761	4,159	4,426
% Change		2.2%	3.4%	3.4%	-11.1%	3.0%	13.6%	10.6%	6.4%
Landed Value (\$000)									-
Whitefish	487	861	839	908	943	1,009	1,325	1,831	1,338
% Change		76.8%	-2.6%	8.2%	3.9%	7.0%	31.3%	38.2%	-26.9%
Pickerel	1,152	1,945	2,306	1,611	1,878	2,232	2,184	1,941	2,554
% Change		68.8%	18.6%	-30.1%	16.6%	18.8%	-2.2%	-11.1%	31.6%
Trout	293	121	316	322	254	234	226	266	308
% Change		-58.7%	161.2%	1.9%	-21.1%	-7.9%	-3.4%	17.7%	15.8%
Pike	521	503	509	416	398	578	632	623	599
% Change		-3.5%	1.2%	-18.3%	-4.3%	45.2%	9.3%	-1.4%	-3.9%
Mullet	49	33	220	267	167	177	242	250	262
% Change		-32.7%	566.7%	21.4%	-37.5%	6.0%	36.7%	3.3%	4.8%
Others*	65	38	78	21	26	94	49	47	40
% Change		-41.5%	105.3%	-73.1%	23.8%	261.5%	-47.9%	-4.1%	-14.9%
Total	2,567	3,501	4,268	3,545	3,666	4,324	4,658	4,958	5,101
% Change		36.4%	21.9%	-16.9%	3.4%	18.0%	7.7%	6.4%	2.9%

Note: \* Includes goldeye, perch, tullibee, whitefish roe, and sauger.

Figure 4.11 Landings Trend by Major Lakes Saskatchewan, 1993 - 2001

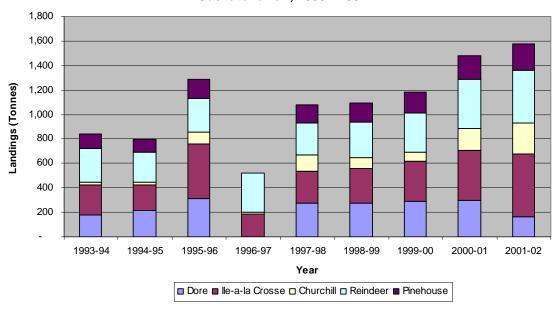


Figure 4.12 Landed Value Trend by Major Lakes Saskatchewan, 1993 - 2001

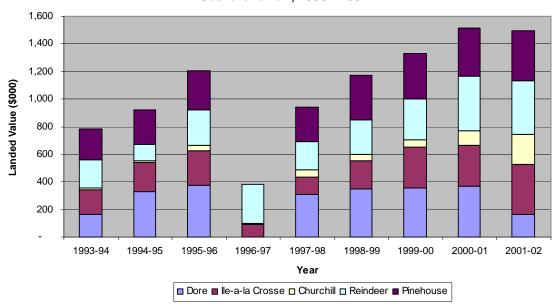


Table 4.6 Landings and Landed Value Trend by Major Lakes Saskatchewan, 1993 – 2001

Major Lakes	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Dore	179	214	311	-	272	276	287	296	166
% Change		19.6%	45.3%	-100.0%		1.5%	4.0%	3.1%	-43.9%
Ile-a-la Crosse	242	209	446	183	261	281	333	412	508
% Change		-13.6%	113.4%	-59.0%	42.6%	7.7%	18.5%	23.7%	23.3%
Churchill	26	25	100	19	133	91	73	178	255
% Change		-3.8%	300.0%	-81.0%	600.0%	-31.6%	-19.8%	143.8%	43.3%
Reindeer	271	246	275	316	265	287	321	404	433
% Change		-9.2%	11.8%	14.9%	-16.1%	8.3%	11.8%	25.9%	7.2%
Pinehouse	122	102	153	-	148	161	170	193	216
% Change		-16.4%	50.0%	-100.0%	-	8.8%	5.6%	13.5%	11.9%
Major Lakes Total	840	796	1,285	<del></del>	1,079	1,096	1,184	1,483	1,578
% Change		-5.2%	61.4%	-59.7%	108.3%	1.6%	8.0%	25.3%	6.4%
% of Total Landings	33.4%	31.0%	36.8%	14.3%	33.6%	33.1%	31.5%	35.7%	35.6%
Total Landings*	2,517	2,571	3,496	3,615	3,215	3,310	3,760	4,158	4,427
Landed Value (\$000)									
Dore	165	326	376	-	307	347	355	372	164
% Change		97.6%	15.3%	-100.0%		13.0%	2.3%	4.8%	-55.9%
Ile-a-la Crosse	179	215	250	90	126	207	300	293	366
% Change		20.1%	16.3%	-64.0%	40.0%	64.3%	44.9%	-2.3%	24.9%
Churchill	13	15	41	8	56	47	49	108	215
% Change		15.4%	173.3%	-80.5%	600.0%	-16.1%	4.3%	120.4%	99.1%
Reindeer	203	116	255	282	203	246	298	393	390
% Change		-42.9%	119.8%	10.6%	-28.0%	21.2%	21.1%	31.9%	-0.8%
Pinehouse	221	250	282	-	247	327	325	347	358
% Change		13.1%	12.8%	-100.0%		32.4%	-0.6%	6.8%	3.2%
Major Lakes Total	781	922	1,204	380	939	1,174	1,327	1,513	1,493
% Change		18.1%	30.6%	-68.4%	147.1%	25.0%	13.0%	14.0%	-1.3%
% of Total Landed Value	30.4%	26.3%	28.2%	10.7%	25.6%	27.2%	28.5%	30.5%	29.3%
Total Landed Value**	2,568	3,501	4,267	3,546	3,664	4,323	4,658	4,960	5,101
. Jtd. Zalidod Yaldo	_,500	0,301	.,_0.	0,040	J,30-1	+,020	.,500	.,500	0,.0.

Notes: \* Total landings in all lakes in Saskatchewan; \*\* Total landed values of landings in all lakes in Saskatchewan.

Figure 4.13
Estimated Number of Self-Employed Harvesters
Saskatchewan, 1993 – 2001

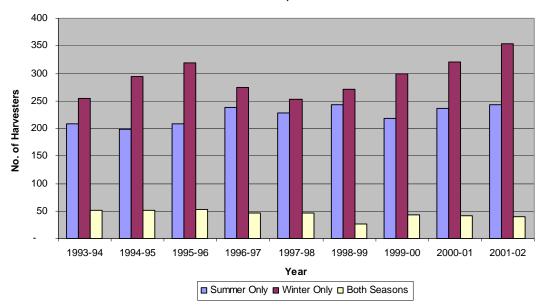


Table 4.7 Number of Self-Employed Harvesters Trend by Season Fished Saskatchewan, 1993 – 2001

Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Summer Only	209	199	208	238	228	243	219	237	243
% Change		-4.8%	4.5%	14.4%	-4.2%	6.6%	-9.9%	8.2%	2.5%
Winter Only	254	295	319	274	253	271	299	320	353
% Change		16.1%	8.1%	-14.1%	-7.7%	7.1%	10.3%	7.0%	10.3%
Both Seasons	52	51	53	46	47	26	43	41	39
% Change		-1.9%	3.9%	-13.2%	2.2%	-44.7%	65.4%	-4.7%	-4.9%
Total	515	545	580	558	528	540	561	598	635
% Change		5.8%	6.4%	-3.8%	-5.9%	2.3%	3.9%	6.6%	6.2%

Figure 4.14

Number of Self-Employed Harvesters by Landed Value

Saskatchewan, 1993 - 2001

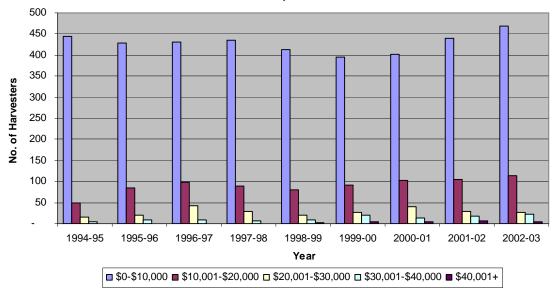


Table 4.8
Average Payment, Weight and Number of Self-Employed Harvesters Trend by Landed Value
Saskatchewan, 1993 – 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Average Payment (\$)	-		-					_	-
\$0-\$10,000	3,074	3,244	3,810	3,674	4,155	4,182	4,181	3,902	3,294
\$10,001-\$20,000	13,066	13,709	13,457	13,832	13,237	13,470	13,540	13,295	13,196
\$20,001-\$30,000	23,973	25,918	25,131	24,573	24,815	24,722	24,736	24,086	23,478
\$30,001-\$40,000	37,227	39,710	32,906	33,962	33,628	34,277	33,988	35,961	32,758
\$40,001+			51,260	49,083	47,708	58,392	49,730	51,015	50,144
Average Weight (t)									
\$0-\$10,000	2,504	2,153	3,384	2,731	2,800	3,350	3,388	4,318	2,867
\$10,001-\$20,000	9,319	7,356	11,759	11,935	10,069	11,378	13,011	10,544	11,286
\$20,001-\$30,000	14,814	14,028	21,748	17,428	22,150	24,114	20,403	19,329	22,376
\$30,001-\$40,000	35,688	20,606	29,241	23,399	27,438	25,823	28,143	27,300	28,187
\$40,001+			42,109	37,362	49,740	51,026	49,734	40,926	90,247
No. of Self-Employed Harvesters	-		_						_
\$0-\$10,000	445	429	414	396	401	439	468	543	607
\$10,001-\$20,000	50	85	80	92	102	105	113	108	79
\$20,001-\$30,000	15	21	21	26	41	30	27	34	26
\$30,001-\$40,000	5	10	10	21	13	18	22	10	4
\$40,001+			<4	5	4	6	4	8	<4
Total	515	545	525	540	561	598	634	703	716
% Change		5.8%	-5.9%	2.9%	3.9%	6.6%	6.0%	10.9%	1.9%

Figure 4.15

Number of Full-Time Equivalent Employment Trend by Landed Value
Saskatchewan, 1993 - 2001

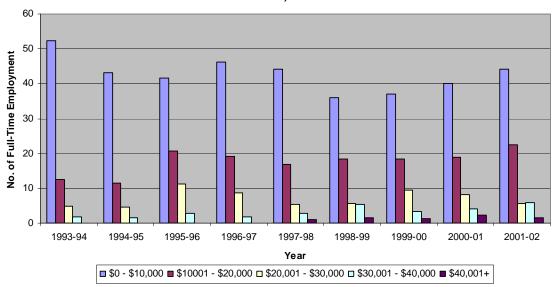


Table 4.9 Number of Full-Time Equivalent Employment Trend by Landed Value Saskatchewan, 1993 – 2001

Landed Values Range	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
\$0 - \$10,000	52	43	42	46	44	36	37	40	44
\$10001 - \$20,000	13	12	21	19	17	18	18	19	23
\$20,001 - \$30,000	5	5	11	9	5	6	9	8	6
\$30,001 - \$40,000	<4	<4	<4	<4	<4	5	<4	4	6
\$40,001+	0	0	0	0	<4	<4	<4	<4	<4
Total	70	60	74	74	66	64	69	71	79
% Change		14.0%	-23.3%	0.0%	10.8%	3.0%	-7.9%	-2.8%	8.4%

## **Section 5:**

Manitoba

Figure 5.1 Landings by Species Manitoba, 2001/02 Total: 14,415 tonnes

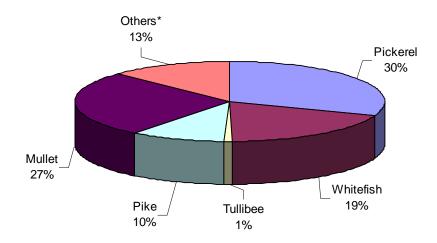
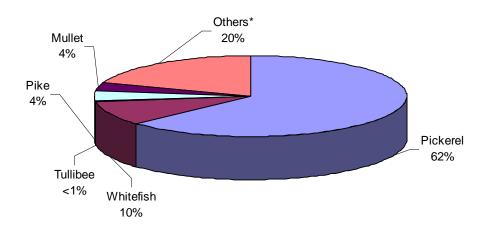


Figure 5.2 Landed Value by Species Manitoba, 2001/02 Total: \$31.6 Million



Note: \* Includes drum, goldeye, white bass, and whitefish roe.

Table 5.1 Landings, Landed and Market Value by Species Manitoba, 2001/02

Species	Landings (t)	Landed Value (\$000)	Marketed Value (\$000)
Whitefish	2,713	3,135	5,138
Pickerel	4,444	19,859	26,173
Sauger	687	2,949	3,715
Lake Trout	39	34	58
Northern Pike	1,446	1,180	2,951
Tullibee	112	77	260
Perch	562	2,761	3,474
Mullet	3,857	1,115	3,896
Carp	492	276	516
Others	62	161	345
Total	14,415	31,548	46,526

Note: \* Includes drum, goldeye, white bass, and whitefish roe.

Figure 5.3 Landings by Major Lake Manitoba 2001/02 Total: 14,414 tonnes

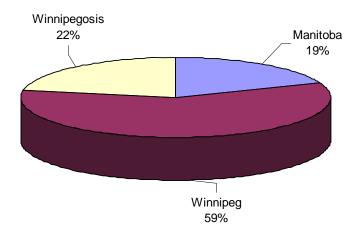


Figure 5.4 Landed Value by Major Lake Manitoba 2001/02 Total: \$31.6 Million

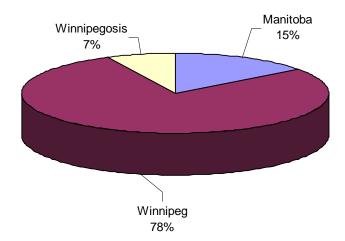


Table 5.2 Landings and Landed Value by Species and Major Lakes Manitoba, 2001/02

				Major	Lakes			
	Lake Ma	nitoba	Lake Wi	nnipeg	Lake Winnipegosis		Manitoba	
Species	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)	Landings (t)	Landed Value (\$000)
Whitefish	11	12	1,724	2,070	88	105	2,713	3,135
Pickerel	262	1,111	3,191	14,206	169	782	4,444	19,859
Sauger	15	62	659	2,833	0	0	687	2,949
Lake Trout	0	0	0	0	0	0	39	34
Northern Pike	67	55	122	99	250	206	1,446	1,180
Tullibee	0	0	0	2	0	0	112	77
Perch	444	2,184	61	301	28	137	561	2,761
Mullet	1,097	263	222	68	1,714	537	3,857	1,115
Carp	108	61	180	99	117	68	492	276
Others*	0	0	54	127	0	2	63	161
Total	2,004	3,748	6,213	19,805	2,366	1,837	14,414	31,547

Notes: \* Includes drum, goldeye, white bass, and whitefish roe.

Figure 5.5 Self-Employed Harvesters by Season Manitoba, 2001-02 Total: 1,855 Harvesters

Both Seasons

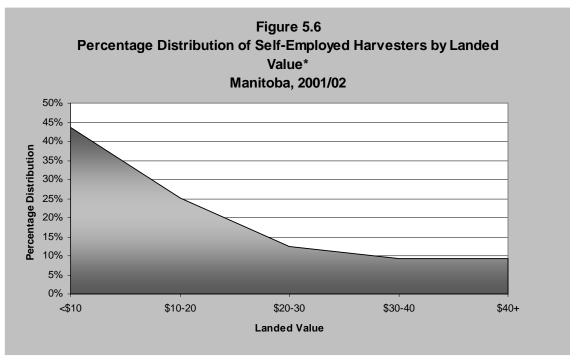
23%

Summer Only
45%

Winter Only
32%

Table 5.3 Number of Self-Employed Harvesters by Season Fished Manitoba, 2001/02

Season	Self-Employed
Summer Only	838
Winter Only	593
Both Seasons	424
Total	1,855



Note: \* The shaded area under the line curve is 100%.

Figure 5.7
Average Payment, Weight, and the Number of Self-Employed
Harvesters by Landed Value
Manitoba, 2001/02

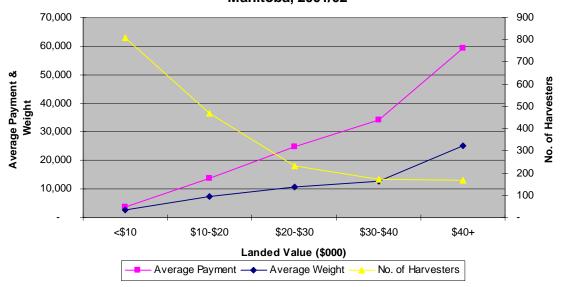


Figure 5.8

Number of Full-Time Equivalent Employment by Landed Value

Manitoba, 2001/02

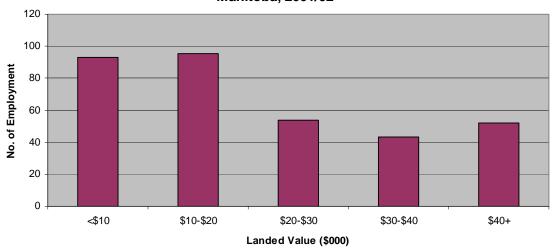


Table 5.4
Landings, Landed Value, Number of Full-Time Equivalent Employment and Fishing
Effort by Landed Value
Manitoba, 2001/02

			A\	erages Per Harvesters				
Landed Value	No. of Harvesters	Full-Time Employment	Deliveries	Weeks	Weight (lb.)	Payments (\$)		
\$0 - \$10,000	811	93	15	6	2,523	3,532		
\$10001 - \$20,000	468	95	34	11	7,307	14,753		
\$20,001 - \$30,000	233	54	41	12	10,791	24,733		
\$30,001 - \$40,000	173	43	53	13	12,675	34,298		
\$40,001+	170	52	59	16	24,980	59,344		

Note: (i) Weeks refer to a week in which fishing activities occurred; (ii) Payments refer to value paid to harvesters upon delivery.

Figure 5.9 Landings Trend by Major Species Manitoba, 1993 – 2001

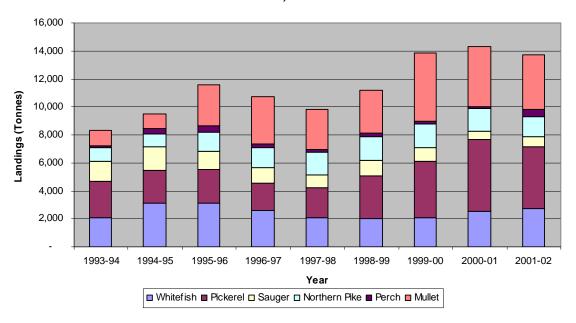


Figure 5.10 Landed Value Trend by Major Species Manitoba, 1993 – 2001

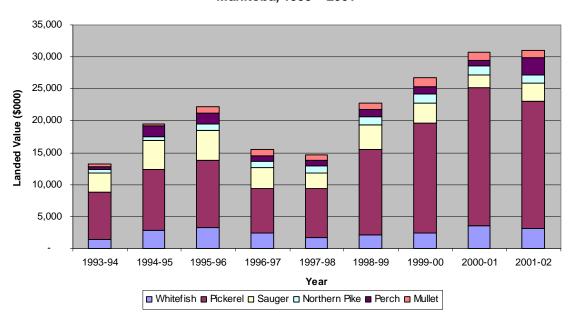


Table 5.5 Landings and Landed Value Trend by Species Manitoba, 1993 – 2001

Species	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Whitefish	2,096	3,120	3,126	2,615	2,079	1,993	2,066	2,526	2,713
% Change		48.9%	0.2%	-16.3%	-20.5%	-4.1%	3.7%	22.3%	7.4%
% Total Landings	23.3%	30.9%	25.6%	22.6%	19.9%	16.9%	14.1%	16.8%	18.8%
Pickerel	2,557	2,370	2,381	1,963	2,119	3,080	4,021	5,156	4,444
% Change		-7.3%	0.5%	-17.6%	7.9%	45.4%	30.6%	28.2%	-13.8%
% Total Landings	28.4%	23.5%	19.5%	16.9%	20.3%	26.1%	27.5%	34.3%	30.8%
Sauger	1,433	1,692	1,318	1,098	968	1,126	1,011	584	687
% Change		18.1%	-22.1%	-16.7%	-11.8%	16.3%	-10.2%	-42.2%	17.6%
% Total Landings	15.9%	16.8%	10.8%	9.5%	9.3%	9.5%	6.9%	3.9%	4.8%
Northern Pike	978	890	1,342	1,414	1,568	1,677	1,670	1,613	1,446
% Change		-9.0%	50.8%	5.4%	10.9%	7.0%	-0.4%	-3.4%	-10.4%
% Total Landings	10.9%	8.8%	11.0%	12.2%	15.0%	14.2%	11.4%	10.7%	10.0%
Perch	165	382	502	277	229	246	225	160	562
% Change		131.5%	31.4%	-44.8%	-17.3%	7.4%	-8.5%	-28.9%	251.3%
% Total Landings	1.8%	3.8%	4.1%	2.4%	2.2%	2.1%	1.5%	1.1%	3.9%
Mullet	1,127	1,036	2,891	3,397	2,828	3,079	4,881	4,245	3,857
% Change		-8.1%	179.1%	17.5%	-16.8%	8.9%	58.5%	-13.0%	-9.1%
% Total Landings	12.5%	10.3%	23.6%	29.3%	27.1%	26.1%	33.4%	28.3%	26.8%
Carp				441	312	531	470	492	844
% Change					-29.3%	70.2%	-11.5%	4.7%	71.5%
% Total Landings				3.8%	3.0%	4.5%	3.2%	3.3%	5.9%
Others*	641	596	672	831	648	609	758	732	705
% Change		-7.0%	12.8%	23.7%	-22.0%	-6.0%	24.5%	-3.4%	-3.7%
% Total Landings	7.1%	5.9%	5.5%	7.2%	6.2%	5.2%	5.2%	4.9%	4.9%
Total	8,997	10,086	12,232	11,595	10,439	11,810	14,632	15,016	14,414
% Change		12.1%	21.3%	-5.2%	-10.0%	13.1%	23.9%	2.6%	-4.0%
Landed Value (\$000)									
Whitefish	1,396	2,898	3,220	2,439	1,714	2,108	2,396	3,585	3,135
% Change		107.6%	11.1%	-24.3%	-29.7%	23.0%	13.7%	49.6%	-12.6%
Pickerel	7,446	9,426	10,598	6,977	7,656	13,375	17,182	21,641	19,859
% Change		26.6%	12.4%		9.7%	74.7%	28.5%	26.0%	-8.2%
Sauger	2,909	4,570	4,642	3,179	2,504	3,807	3,152	1,990	2,949
% Change		57.1%	1.6%	-31.5%	-21.2%	52.0%	-17.2%	-36.9%	48.2%
Northern Pike	675	625	997	1,007	1,104	1,393	1,427	1,414	1,180
% Change		-7.4%	59.5%	1.0%	9.6%	26.2%	2.4%	-0.9%	-16.5%
Perch	420	1,649	1,790	895	877	1,142	1,119	886	2,761
% Change		292.6%	8.6%	-50.0%	-2.0%	30.2%	-2.0%	-20.8%	211.6%
Mullet	378	370	926	1,015	780	929	1,451	1,284	1,115
% Change		-2.1%	150.3%	9.6%	-23.2%	19.1%	56.2%	-11.5%	-13.2%
Carp				161	112	191	190	276	407
% Change					-30.4%	70.5%	-0.5%	45.3%	47.5%
Others*	363	309	392	453	409	406	435	499	548
% Change		-14.9%	26.9%	15.6%	-9.7%	-0.7%	7.1%	14.7%	9.8%
Total	13,587	19,847	22,565	15,965	15,044	23,160	27,162	31,299	31,547
% Change		46.1%	13.7%	-29.3%	-5.8%	54.0%	17.3%	15.2%	0.8%

Note: \* Includes drum, carp, goldeye, white bass, whitefish roe, lake trout, and tullibee.

Figure 5.11 Landings by Major Lakes Manitoba, 1993 - 2001

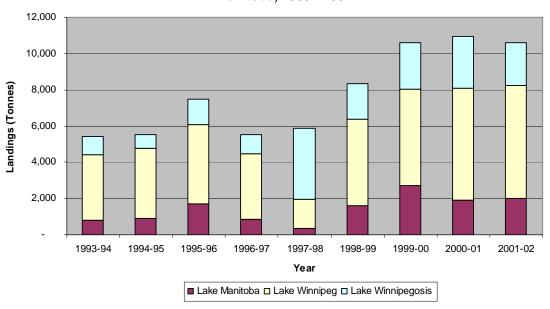


Figure 5.12 Landed Value by Major Lakes Manitoba, 1993 - 2001

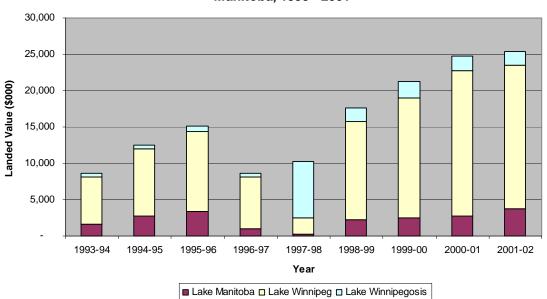


Table 5.6 Landings and Landed Value by Major Lakes Manitoba, 1993 – 2001

Major Lakes	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Cedar	742	672	638	577	0	0	0	0	0
% Change		-9.4%	-5.1%	-9.6%	-100.0%				
Lake Manitoba	795	887	1,688	873	343	1,594	2,715	1,916	2,004
% Change		11.6%	90.3%	-48.3%	-60.7%	364.7%	70.3%	-29.4%	4.6%
Lake Winnipeg	3,624	3,882	4,387	3,611	1,602	4,761	5,334	6,174	6,213
% Change		7.1%	13.0%	-17.7%	-55.6%	197.2%	12.0%	15.7%	0.6%
Lake Winnipegosis	983	779	1,409	1,025	3,907	1,991	2,558	2,847	2,366
% Change		-20.8%	80.9%	-27.3%	281.2%	-49.0%	28.5%	11.3%	-16.9%
Total	5,402	5,548	7,484	5,509	5,852	8,346	10,607	10,937	10,583
% Change		2.7%	34.9%	-26.4%	6.2%	42.6%	27.1%	3.1%	-3.2%
% of Total Landings	60.0%	55.0%	61.2%	47.5%	80.1%	70.7%	72.5%	72.8%	73.4%
Total Landings*	8,997	10,086	12,231	11,594	7,310	11,811	14,635	15,016	14,413
Landed Value (\$000)									
Cedar	1284	1435	943	572	0	0	0	0	0
% Change		11.8%	-34.3%	-39.3%	-100.0%				
Lake Manitoba	1,618	2,782	3,354	977	291	2,273	2,559	2,719	3,749
% Change		71.9%	20.6%	-70.9%	-70.2%	681.1%	12.6%	6.3%	37.9%
Lake Winnipeg	6,546	9,246	11,017	7,202	2,237	13,510	16,487	19,982	19,805
% Change		41.2%	19.2%	-34.6%	-68.9%	503.9%	22.0%	21.2%	-0.9%
Lake Winnipegosis	465	448	699	435	7,784	1,899	2,250	2,077	1,837
% Change		-3.7%	56.0%	-37.8%	1689.4%	-75.6%	18.5%	-7.7%	-11.6%
Total	8,629	12,476	15,070	8,614	10,312	17,682	21,296	24,778	25,391
% Change % of Total Landed		44.6%	20.8%	-42.8%	19.7%	71.5%	20.4%	16.4%	2.5%
Value	63.5%	62.9%	66.8%	54.0%	92.5%	76.3%	78.4%	79.2%	80.5%
Total Landed Value**	13,587	19,847	22,564	15,966	11,144	23,160	27,161	31,298	31,547

Notes: \* Total landings in all lakes in Manitoba; \*\* Total landed values of landings in all lakes in Manitoba.

Figure 5.13
Estimated Number of Self-Employed Harvesters
Manitoba, 1993 – 2001

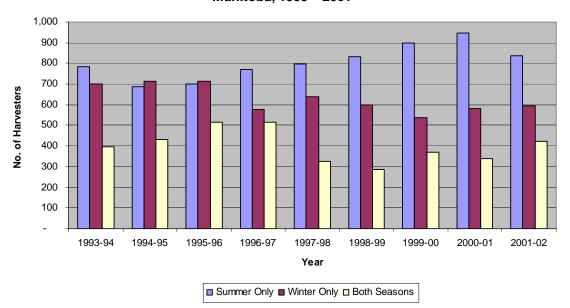


Table 5.7 Number of Self-Employed Harvesters Trend by Season Fished Manitoba, 1993 – 2001

Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Summer Only	786	687	702	770	798	834	900	948	838
% Change		-12.6%	2.2%	9.7%	3.6%	4.5%	7.9%	5.3%	-11.6%
Winter Only	701	715	715	577	638	601	536	582	593
% Change		2.0%	0.0%	-19.3%	10.6%	-5.8%	-10.8%	8.6%	1.9%
Both Seasons	395	433	517	515	326	288	369	339	424
% Change		9.6%	19.4%	-0.4%	-36.7%	-11.7%	28.1%	-8.1%	25.1%
Total	1,882	1,835	1,934	1,862	1,762	1,723	1,805	1,869	1,855
% Change		-2.5%	5.4%	-3.7%	-5.4%	-2.2%	4.8%	3.6%	-0.8%

Figure 5.14 Number of Self-Employed Harvesters by Landed Value Manitoba, 1993 - 2001

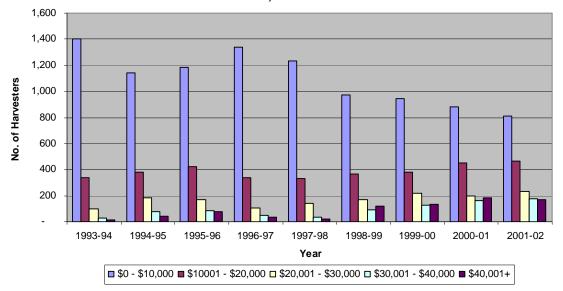


Table 5.8
Average Payment, Weight and Total Number of Self-Employed Harvesters Trend by Landed Value
Manitoba, 1993 – 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Average Payment (\$)	-	_	-	_					
\$0-\$10,000	3,244	3,663	3,980	3,668	3,546	3,827	3,926	2,870	3,532
\$10,001-\$20,000	9,108	14,562	14,269	14,027	13,939	14,058	14,598	7,428	14,753
\$20,001-\$30,000	24,089	24,064	24,363	23,647	23,445	24,803	24,603	11,857	24,733
\$30,001-\$40,000	35,255	34,698	34,099	34,997	34,090	33,818	34,399	11,906	34,298
\$40,001+	63,483	64,877	63,692	66,328	66,595	57,876	60,519	27,151	59,344
Average Weight (t)									
\$0-\$10,000	1,944	1,823	2,220	2,493	2,912	3,059	3,043	3,684	2,523
\$10,001-\$20,000	7,727	6,045	3,130	7,826	9,654	8,038	8,119	14,856	7,308
\$20,001-\$30,000	12,725	9,719	9,506	11,742	13,473	11,261	11,661	25,283	10,791
\$30,001-\$40,000	18,184	13,571	14,188	16,391	18,830	13,084	15,142	33,870	12,675
\$40,001+	37,553	29,383	25,644	36,911	46,574	27,304	31,136	60,611	24,980
No. of Self-Employed Harvesters									
\$0-\$10,000	1,402	1,142	1,184	1,336	1,232	974	945	882	811
\$10,001-\$20,000	339	384	421	339	331	366	380	448	468
\$20,001-\$30,000	100	186	167	109	141	172	220	197	233
\$30,001-\$40,000	28	79	85	46	34	91	124	161	173
\$40,001+	13	44	77	32	21	120	136	181	170
Total	1,882	1,835	1,934	1,862	1,759	1,723	1,805	1,869	1,855
% Change		-2.5%	5.4%	-3.7%	-5.5%	-2.1%	4.8%	3.6%	-0.8%

Figure 5.15

Number of Full-Time Equivalent Employment Trend by Landed Value

Manitoba, 1993 - 2001

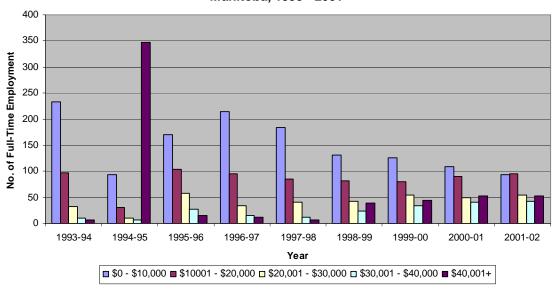


Table 5.9 Number of Full-Time Equivalent Employment Trend by Landed Value Manitoba, 1993 – 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
\$0 - \$10,000	232	94	171	215	183	132	126	109	93
\$10001 - \$20,000	98	31	104	95	85	81	80	89	95
\$20,001 - \$30,000	32	10	58	34	41	43	55	49	54
\$30,001 - \$40,000	11	6	27	16	12	25	33	40	43
\$40,001+	6	347	16	12	7	39	44	52	52
Total	379	489	376	372	327	319	339	340	338
% Change		28.9%	-23.0%	-1.2%	-12.0%	-2.5%	6.2%	0.3%	-0.8%

## **Section 6:**

Northwest Territories

Figure 6.1 Landings by Species Northwest Territories, 2001/02 Total: 1,518 tonnes

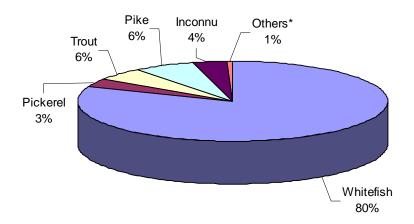
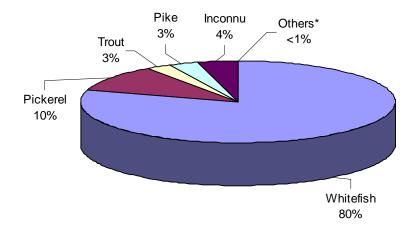


Figure 6.2
Landed Value by Species
Northwest Territories, 2001/02
Total: \$2.3 Million



Note\* burbot, goldeye, mullet, perch

Table 6.1 Landings, Landed and Market Value by Species Northwest Territories, 2001/02

Species	Landings (t)	Landed Value (\$000)	Market Value (\$000)
Whitefish	941	1,209	1,685
Pickerel	36	159	213
Trout	64	39	94
Pike	71	49	145
Inconnu	43	61	118
Others	7	1	5
Total	1,163	1,518	2,260

Note\* burbot, goldeye, mullet, perch

Figure 6.3 Landings by Major Lake Northwest Territories, 2001/02 Total: 1,163 tonnes

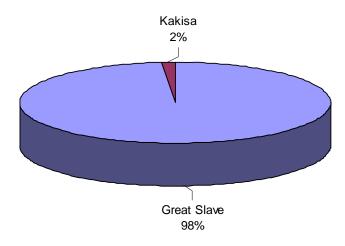


Figure 6.4
Landed Value by Major Lake
Northwest Territories, 2001/02
Total: \$1.5 Million

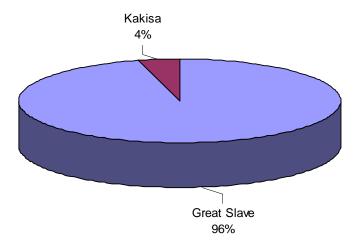


Table 6.2 Landings and Landed Value by Species and Major Lakes Northwest Territories, 2001/02

		Major					
	Great Slave		P	<b>Kakisa</b>	Northwest Territories		
Species	Landings	Landed Value (\$000)	Landings	Landed Value (\$000)	Landings	Landed Value (\$000)	
Оросное	(t)	(φυσυ)	(1)	(\$000)	(t)	(\$000)	
Whitefish	941	1,209	0	0	941	1,209	
Pickerel	21	96	15	63	36	159	
Lake Trout	64	39	0	0	64	39	
Northern Pike	69	47	3	2	71	49	
Inconnu	43	61	0	0	43	61	
Others	7	1	0	0	7	1	
Total	1,145	1,453	18	65	1,162	1,518	

Note\* burbot, goldeye, mullet, perch

Figure 6.5
Self-Employed Harvesters by Season
Northwest Territories, 2001-02
Total: 151 Harvesters

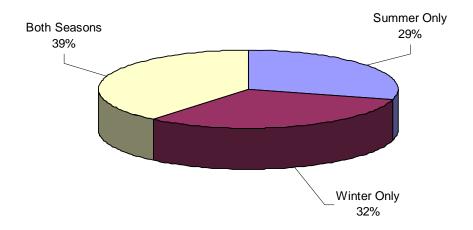
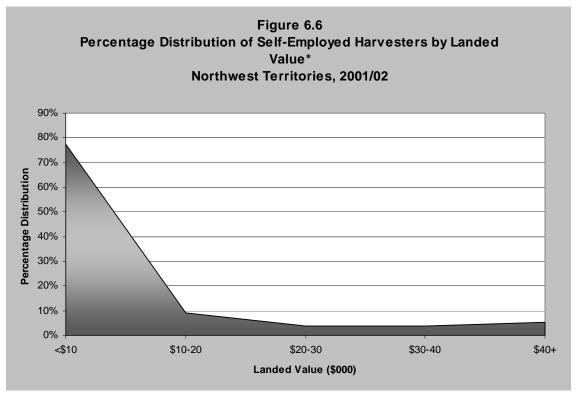


Table 6.3 Number of Self-Employed Harvesters by Season Fished Northwest Territories, 2001/02

Season	Self-Employed
Summer Only	44
Winter Only	48
Both Seasons	59
Total	151



Note: \* The shaded area under the line curve is 100%.

Figure 6.7

Average Payment, Weight, and the Number of Self-Employed

Harvesters by Landed Value

Northwest Territories, 2001/02

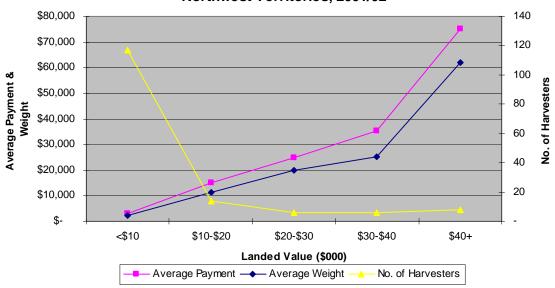


Figure 6.8

Number of Full-Time Equivalent Employment by Landed Value

Northwest Territories, 2001/02

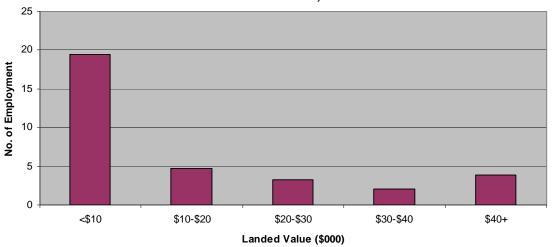


Table 6.4
Landings, Landed Value, Full-Time Equivalent Employment and Fishing Effort by
Landed Value
Northwest Territories, 2001/02

			Av	erages P	er Harveste	ers
Landed Value	No. of Harvesters	Full-Time Employment	Deliveries	Weeks	Weight (lb.)	Payments (\$)
\$0 - \$10,000	117	19	2	1	168	234
\$10001 - \$20,000	14	5	47	18	11,151	15,200
\$20,001 - \$30,000	6	<4	78	28	19,770	24,709
\$30,001 - \$40,000	6	<4	55	18	25,054	35,413
\$40,001+	8	4	87	25	61,809	75,194

Note: (i) Weeks refer to a week in which fishing activities occurred; (ii) Payments refer to value paid to harvesters upon delivery.

Figure 6.9 Landings Trend by Major Species Northwest Territories, 1993 - 2001

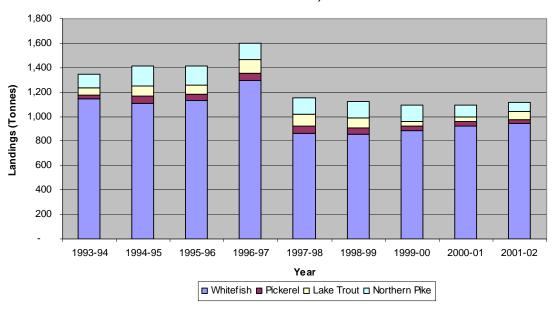


Figure 6.10 Landed Value Trend by Major Species Northwest Territories, 1993 - 2001

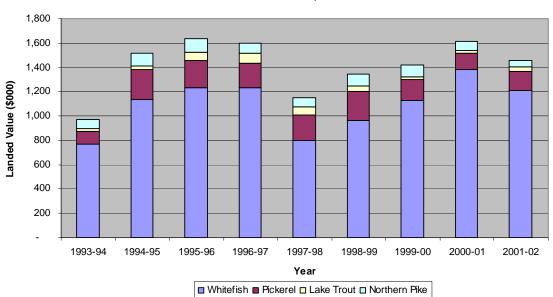


Table 6.5
Landings and Landed Value Trend by Species
Northwest Territories, 1993 – 2001

Species	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Whitefish	1,143	1,108	1,131	1,297	865	856	888	924	941
% Change		-3.1%	2.1%	14.7%	-33.3%	-1.0%	3.7%	4.1%	1.8%
% of Total Landings	78.8%	70.1%	69.6%	69.5%	69.0%	65.7%	71.3%	76.9%	81.0%
Pickerel	34	59	50	57	57	49	38	32	36
% Change		73.5%	-15.3%	14.0%	0.0%	-14.0%	-22.4%	-15.8%	12.5%
% of Total Landings	2.3%	3.7%	3.1%	3.1%	4.5%	3.8%	3.0%	2.7%	3.1%
Lake Trout	61	81	78	112	99	85	37	39	64
% Change		32.8%	-3.7%	43.6%	-11.6%	-14.1%	-56.5%	5.4%	64.1%
% of Total Landings	4.2%	5.1%	4.8%	6.0%	7.9%	6.5%	3.0%	3.2%	5.5%
Northern Pike	112	162	156	136	132	135	133	98	71
% Change		44.6%	-3.7%	-12.8%	-2.9%	2.3%	-1.5%	-26.3%	-27.6%
% of Total Landings	7.7%	10.3%	9.6%	7.3%	10.5%	10.4%	10.7%	8.2%	6.1%
Inconnu	35	37	49	65	43	27	40	29	43
% Change		5.7%	32.4%	32.7%	-33.8%	-37.2%	48.1%	-27.5%	48.3%
% of Total Landings	2.4%	2.3%	3.0%	3.5%	3.4%	2.1%	3.2%	2.4%	3.7%
Others*	65	133	160	199	58	150	110	79	7
% Change		104.6%	20.3%	24.4%	-70.9%	158.6%	-26.7%	-28.2%	-91.1%
% of Total Landings	4.5%	8.4%	9.9%	10.7%	4.6%	11.5%	8.8%	6.6%	0.6%
Total	1,450	1,580	1,624	1,866	1,254	1,302	1,246	1,201	1,162
% Change		9.0%	2.8%	14.9%	-32.8%	3.8%	-4.3%	-3.6%	-3.3%
Landed Value (\$000)									
Whitefish	766	1,135	1,232	1,230	796	963	1,127	1,379	1,209
% Change		48.2%	8.5%	-0.2%	-35.3%	21.0%	17.0%	22.4%	-12.3%
Pickerel	105	246	227	207	211	236	170	134	159
% Change		134.3%	-7.7%	-8.8%	1.9%	11.8%	-28.0%	-21.2%	18.7%
Lake Trout	27	31	68	79	65	48	24	24	39
% Change		14.8%	119.4%	16.2%	-17.7%	-26.2%	-50.0%	0.0%	62.5%
Northern Pike	71	106	108	79	81	101	97	73	49
% Change		49.3%	1.9%	-26.9%	2.5%	24.7%	-4.0%	-24.7%	-32.9%
Inconnu	66	93	102	112	73	34	56	44	61
% Change		40.9%	9.7%	9.8%	-34.8%	-53.4%	64.7%	-21.4%	38.6%
Others*	142	357	435	304	17	66	51	22	1
% Change		151.4%	21.8%	-30.1%	-94.4%	288.2%	-22.7%	-56.9%	-95.5%
Total	1,177	1,968	2,172	2,011	1,243	1,448	1,525	1,676	1,518
% Change		67.2%	10.4%	-7.4%	-38.2%	16.5%	5.3%	9.9%	-9.4%

Figure 6.11 Landings Trend by Major Lakes Northwest Territories, 1993 - 2001

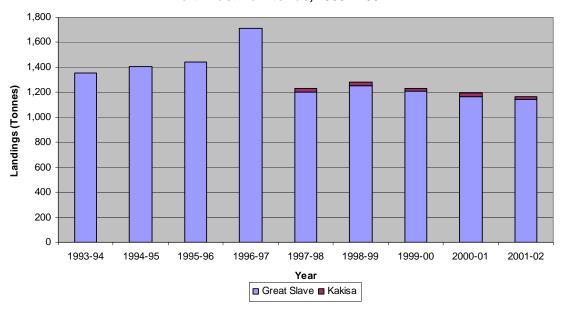


Figure 6.12 Landed Value Trend by Major Lakes Northwest Territories, 1993 - 2001

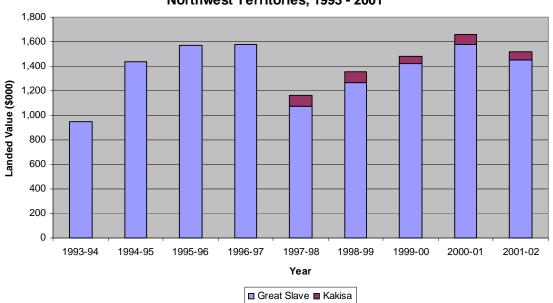


Table 6.6 Landings and Landed Value by Major Lakes Northwest Territories, 1993 – 2001

Major Lakes	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Landings (t)									
Great Slave	1,354	1,410	1,446	1,712	1,201	1,257	1,212	1,169	1,146
% Change		4.1%	2.6%	18.4%	-29.8%	4.7%	-3.6%	-3.5%	-2.0%
Kakisa					29	25	22	25	17
% Change						-13.8%	-12.0%	13.6%	-32.0%
Total	1,354	1,410	1,446	1,712	1,206	1,262	1,223	1,189	1,162
% Change		4.1%	2.6%	18.4%	-28.2%	4.2%	-3.7%	-3.2%	-2.6%
% of Total Landings	93.4%	89.2%	89.0%	91.7%	98.1%	98.5%	99.0%	99.4%	100.0%
Total Landings*	1,450	1,580	1,624	1,866	1,254	1,302	1,246	1,201	1,162
Landed Value (\$000)									
Great Slave	949	1,437	1,567	1,577	1,071	1,270	1,422	1,576	1,453
% Change		51.4%	9.0%	0.6%	-32.1%	18.6%	12.0%	10.8%	-7.8%
Kakisa					89	82	63	83	65
% Change						-7.9%	-23.2%	31.7%	-21.7%
Total	949	1,437	1,567	1,577	1,160	1,352	1,485	1,659	1,518
% Change		51.4%	9.1%	0.6%	-26.4%	16.6%	9.8%	11.7%	-8.5%
% of Total Landed Value	80.6%	73.0%	72.1%	78.4%	93.3%	93.4%	97.4%	99.0%	100.0%
Total Landed Value**	1,177	1,968	2,172	2,011	1,243	1,448	1,525	1,676	1,518

Notes: \* Total landings in all lakes in Northwest Territories; \*\* Total landed values of landings in all lakes in Northwest Territories.

Figure 6.13 Number of Self-Employed Harvesters Trend by Season Northwest Territories, 1993 - 2001

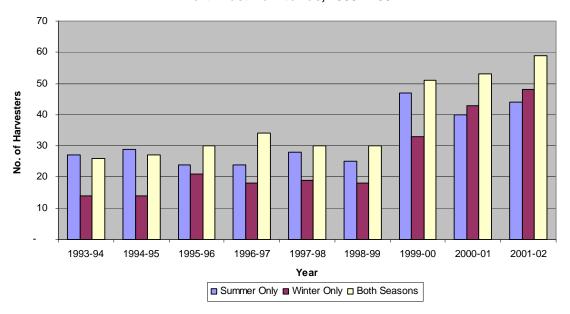


Table 6.7 Number of Self-Employed Harvesters Trend by Season Fished Northwest Territories, 1993 – 2001

Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Summer Only	27	29	24	24	28	25	47	40	44
% Change		7.4%	-17.2%	0.0%	16.7%	-10.7%	88.0%	-14.9%	10.0%
Winter Only	14	14	21	18	19	18	33	43	48
% Change		0.0%	50.0%	-14.3%	5.6%	-5.3%	83.3%	30.3%	11.6%
Both Seasons	26	27	30	34	30	30	51	53	59
% Change		3.8%	11.1%	13.3%	-11.8%	0.0%	70.0%	3.9%	11.3%
Total	67	70	75	76	77	73	133	136	151
% Change		4.6%	7.5%	0.7%	1.8%	-5.7%	82.2%	2.6%	11.1%

Figure 6.14
Number of Self-Employed Harvesters Trend by Landed Value
Northwest Territories, 1993 - 2001

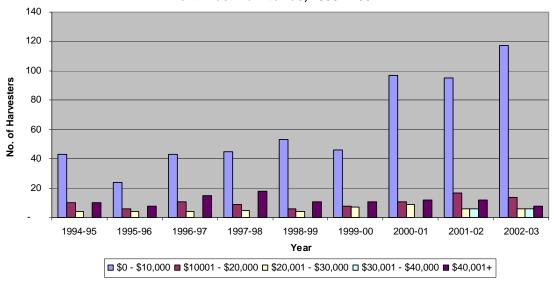


Table 6.8
Average Payment, Weight and Total Number of Self-Employed Harvesters Trend by Landed Value Range
Northwest Territories, 1993 – 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Average Payment (\$)	1000 04	1004 00	1000 00	1000 01	1007 00	1000 00	1000 00	2000 01	2001 02
\$0-\$10,000	1,392	1,885	1,644	2,823	2,614	2,847	3,034	3,183	2,950
\$10,001-\$20,000		14,156	14,136	13,520	13,286	13,960	13,934	14,131	15,201
\$20,001-\$30,000	26,589	24,459	23,817	25,894	25,030	26,505	25,695	24,711	24,709
\$30,001-\$40,000	32,326	33,920	35,933	37,853	32,473	35,308	34,416	35,492	35,413
\$40,001+	62,352	65,907	87,154	83,011	75,062	89,477	64,755	64,412	75,194
Average Weight (t)	,			2 2 7 2	-,				
\$0-\$10,000	1,522	1,104	1,184	2,212	2,733	2,641	2,339	2,059	2,124
\$10,001-\$20,000		9,192	10,006	12,260	13,172	11,769	10,666	9,278	11,151
\$20,001-\$30,000	31,025	14,270	20,233	16,324	22,830	19,640	22,184	17,411	19,770
\$30,001-\$40,000	44,119	21,895	17,193	29,446	40,432	50,901	25,415	27,132	25,054
\$40,001+	65,901	34,098	60,123	70,173	74,267	81,752	54,216	48,298	61,809
Number of Self-Employed Harvesters									
\$0-\$10,000	43	24	43	45	53	46	97	95	117
\$10,001-\$20,000	10	6	11	9	6	8	11	17	14
\$20,001-\$30,000	4	4	4	5	4	7	9	6	6
\$30,001-\$40,000	<4	<4	<4	<4	<4	<4	<4	6	6
\$40,001+	10	8	15	18	11	11	12	12	8
Total % Change	57 	42 -26.3%	73 73.8%	77 5.5%	74 -3.9%	72 -2.7%	129 79.2%	136 5.4%	145 6.6%

Figure 6.15

Number of Full-Time Equivalent Employment Trend by Landed Value

Northwest Territories, 1993 - 2001

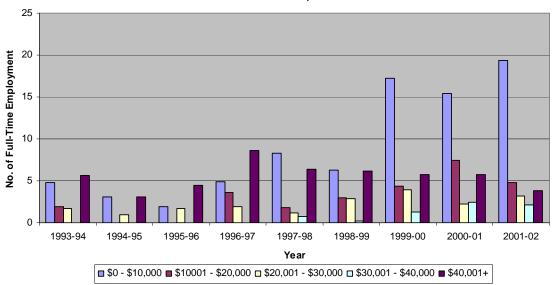


Table 6.9 Number of Full-Time Equivalent Employment Trend by Landed Value Northwest Territories, 1993 – 2001

Landed Value	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
\$0 - \$10,000	5	3	2	5	8	6	17	15	19
\$10001 - \$20,000	2	0	0	4	2	3	4	8	5
\$20,001 - \$30,000	2	1	2	2	1	3	4	2	3
\$30,001 - \$40,000	0		0	0	1	0	1	2	2
\$40,001+	6	3	4	9	6	6	6	6	4
Total	14	7	8	19	18	18	33	33	33
% Change		-49.0%	12.5%	136.4%	-4.4%	1.3%	77.0%	2.0%	0.1%

## Annex: Western Canadian Freshwater Fisheries - *List of Species*

Common Name	Genus Name
Carp	Cyprinus carpio
Goldeye	Hiodon alosoides
Inconnu	Stenodus leucichthys
Lake Trout	Salvelinus namaycush
Mullet	Catostomus commersonii
Northern Pike	Esox lucius
Perch	Perca flavescens
Pickerel	Sander vitreus
Sauger	Sander canadensis
Tullibee	Coregonus artedii
White Bass	Morone chrysops
Whitefish	Coregonus clupeaformis