

Table 5. Estimated harvests and sustainable supplies of lake trout, Saskatchewan, 1975.

		Management Zone			
		Northern	Central	Southern	Total
		kg	kg	kg	kg
Harvest	Commercial	322,652	20,156	0	342,808
	Recreational	180,734	140,415	12,679	333,828
	Total	503,386	160,571	12,679	676,636
Sustainable Supply ^a		769,622	388,752	23,312	1,181,686

^a Data from Murray, 1985. "

Table 6. Estimated harvests and sustainable supplies of lake trout, Saskatchewan, 1980.

		Management Zone			
		Northern	Central	Southern	Total
		kg	kg	kg	kg
Harvest	Commercial	522,948	39,848	23	562,819
	Recreational	154,240	119,831	10,820	284,891
	Total	677,188	159,679	10,843	847,710
Sustainable Supply ^a		750,572	370,411	21,072	1,142,055

^a Data from Murray, 1985.

Table 7. Estimated harvests and sustainable supplies of pike, Saskatchewan, 1975.

		Management Zone			Total
		Northern	Central	Southern	
		kg	kg	kg	kg
Harvest	Commercial	68,066	507,687	2,207	577,960
	Recreational	209,833	1,869,255	1,012,583	3,091,671
Total		277,899	2,376,942	1,014,790	3,669,631
Sustainable Supply ^a		4,514,870	2,728,800	456,372	7,700,042

^a Data from Murray, 1985.

Table 8. Estimated harvests and sustainable supplies of pike, Saskatchewan, 1980.

		Management Zone			Total
		Northern	Central	Southern	
		kg	kg	kg	kg
Harvest	Commercial	83,508	664,535	4,372	752,415
	Recreational	182,619	1,626,828	881,259	2,690,706
Total		266,127	2,291,363	885,631	3,443,121
Sustainable Supply ^a		4,403,120	2,562,231	412,526	7,377,877

^a **Data** from Murray, 1985.

Table 9. Estimated harvests and sustainable supplies of whitefish, Saskatchewan, 1975.

	Management Zone			
	Northern	Central	Southern	Total
	kg	kg	kg	kg
Harvest Commercial	506,058	1,349,295	159,652	2,015,005
Sustainable Supply ^a	1,509,545	2,537,780	344,525	4,391,850

^a **Data** from Murray, 1985.

? "

Table 10. Estimated harvests and sustainable supplies of whitefish, Saskatchewan, 1980.

	Management Zone			
	Northern	Central	Southern	Total
	kg	kg	kg	kg
Harvest Commercial	401,697	1,012,098	229,000	1,642,795
Sustainable Supply ^a	1,472,182	2,344,290	311,424	4,127,896

^a Data from Murray, 1985.

TABLE 11. COMMERCIAL HARVESTS OF **WALLEYE** BY MANAGEMENT ZONE, **SASKATCHEWAN**, 1960-85. ^a

YEAR	MANAGEMENT ZONE			
	NORTHERN	CENTRAL	SOUTHERN	TOTAL
	kg	kg	kg	kg
1960-62	51,964	773,840	2,358	788,162
1961-62	48,875	750,936	6,547	806,358
1962-63	61,825	995,829	3,033	1,060,687
1963-64	73,285	1,016,500	12,573	1,102,358
1964-65	60,139	975,855	2,295	1,038,289
1965-66	65,445	867,626	1,339	934,410
1966-67	78,810	781,419	2,003	862,232
1967-68	48,214	772,218	1,939	822,371
1968-69	53,036	913,413	680	967,129
1969-70	40,873	1,043,747	3,653	1,088,273
1970-71	97,548	916,350	1,988	1,015,886
1971-72	81,347	700,512	1,557	783,416
1972-73	85,569	535,015	1,956	622,540
1973-74	54,938	547,114	2,283	604,335
1974-75	54,579	464,701	1,281	520,561
1975-76	36,108	464,285	856	501,249
1976-77	46,964	583,817	883	631,664
1977-78	60,895	752,023	1,247	814,165
1978-79	27,323	568,871	1,397	597,591
1979-80	25,389	473,653	2,950	501,992
1980-81	51,673	583,534	2,418	637,625
1981-82	54,221	678,911	1,722	734,854
1982-83	48,657	673,581	1,250	723,488
1983-84	43,618	602,242	2,446	648,306
1984-85	53,721	623,576	1,073	678,370

^a Landed Weight

Source: Saskatchewan Parks and Renewable Resources,
Fisheries Branch

TABLE 12. COMMERCIAL HARVESTS OF LAKE TROUT BY MANAGEMENT ZONE,
SASKATCHEWAN, 1960-85.^a

YEAR	MANAGEMENT ZONE			
	NORTHERN	CENTRAL	SOUTHERN	TOTAL
	kg	kg	kg	kg
1960-61	893,280	44,218	0	937,498
1961-62	921,048	59,544	0	980,592
1962-63	859,454	1,42,045	0	901,499
1963-64	792,360	32,874	0	825,234
1964-65	799,927	24,342	0	824,269
1965-66	670,754	32,167	0	702,921
1966-67	701,531	36,737	0	738,268
1967-68	618,104	30,302	0	648,406
1968-69	561,029	19,865	0	580,894
1969-70	551,460	22,932	0	574,392
1970-71	487,925	30,805	0	518,730
1971-72	359,833	26,648	0	386,481
1972-73	273,953	24,696	0	298,649
1973-74	353,843	26,745	0	380,588
1974-75	277,417	30,767	0	308,184
1975-76	322,652	20,156	0	342,808
1976-77	496,974	15,969	0	512,943
1977-78	474,141	23,107	59	497,307
1978-79	329,981	18,956	23	348,960
1979-80	527,838	39,996	29	612,863
1980-81	522,948	39,848	23	562,819
1981-82	367,853	35,402	65	403,320
1982-83	288,739	36,246	0	324,985
1983-84	215,920	21,089	0	237,009
1984-85	379,005	21,652	0	400,657

^a Landed Weight

Source: Saskatchewan Parks and Renewable Resources,
Fisheries Branch

TABLE 13. COMMERCIAL HARVESTS OF ^aPIKE BY MANAGEMENT ZONE, SASKATCHEWAN, 1960-85.

YEAR	MANAGEMENT ZONE			
	NORTHERN	CENTRAL	SOUTHERN	TOTAL
	kg	kg	kg	kg
1960-61	29,561	592,357	1,966	623,884
1961-62	30,394	622,234	4,328	656,956
1962-63	39,900	536,290	7,747	583,937
1963-64	38,864	474,690	12,510	526,064
1964-65	53,859	675,578	3,413	732,850
1965-66	57,997	584,615	1,887	664,499
1966-67	33,065	550,989	2,139	586,193
1967-68	34,640	483,100	2,459	520,199
1968-69	50,120	572,217	1,767	624,104
1969-70	70,792	702,634	2,809	776,235
1970-71	112,026	684,637	2,840	799,503
1971-72	76,907	723,336	5,991	806,234
1972-73	69,146	616,861	5,134	691,141
1973-74	49,547	716,958	6,100	772,605
1974-75	48,475	672,964	1,809	723,248
1975-76	68,066	507,687	2,207	577,960
1976-77	52,169	663,616	4,688	690,473
1977-78	71,811	675,356	4,705	751,872
1978-79	54,066	673,823	6,263	734,152
1979-80	89,841	820,756	4,959	915,556
1980-81	83,508	664,535	4,372	752,415
1981-82	53,699	591,749	5,292	650,740
1982-83	85,733	664,376	7,785	757,894
1983-84	52,245	434,252	5,720	492,217
1984-85	69,170	578,187	6,659	654,016

^aLanded Weight

Source: Saskatchewan Parks and Renewable Resources,
Fisheries Branch

TABLE 14. COMMERCIAL HARVESTS OF WHITEFISH BY MANAGEMENT ZONE,
 SASKATCHEWAN, 1960-85.^a

YEAR	MANAGEMENT ZONE			
	NORTHERN	CENTRAL	SOUTHERN	TOTAL
	kg	kg	kg	kg
1960-61	754,031	2,570,326	205,717	3,530,074
1961-62	774,246	2,429,875	241,714	3,445,835
1962-63	863,543	2,312,410	175,511	3,351,464
1963-64	839,635	2,213,411	185,795	3,238,841
1964-65	859,414	1,844,427	158,185	2,862,026
1965-66	1,110,204	2,206,484	179,936	3,496,624
1966-67	973,861	1,850,917	195,273	3,020,051
1967-68	794,444	1,512,790	178,664	2,485,898
1968-69	707,654	1,261,694	222,028	2,191,376
1969-70	927,343	1,682,484	232,405	2,842,232
1970-71	920,496	1,425,807	226,253	2,572,556
1971-72	839,279	1,403,078	182,973	2,425,330
1972-73	688,848	1,177,433	135,370	2,001,651
1973-74	824,193	1,018,699	193,388	2,036,280
1974-75	442,234	1,403,529	88,952	1,934,715
1975-76	506,058	1,349,295	159,652	2,015,005
1976-77	437,866	1,337,177	195,899	1,970,942
1977-78	477,967	1,144,465	224,481	1,846,913
1978-79	209,978	1,040,679	227,441	1,478,098
1979-80	391,826	1,163,298	237,837	1,792,961
1980-81	401,697	1,012,098	229,000	1,642,795
1981-82"	225,496	831,446	189,955	1,246,797
1982-83	159,162	815,925	252,995	1,227,082
1983-84	140,581	723,598	190,347	1,054,526
1984-85	359,375	726,652	100,955	1,186,982

^a Landed Weight

Source: Saskatchewan Parks and Renewable Resources,
 Fisheries Branch

APPENDIX B

FFMC DATA ON **HARVESTS**
BY **SASKATCHEWAN FISHERMEN**

**TABLE B.1: COMMERCIAL HARVESTS OF WALLEYE (LANDED WEIGHT) BY ,
MANAGEMENT ZONE, SASKATCHEWAN**

	No. Deliveries	Catch			Total
		Northern	Central	Southern	
		.....Kg.....			
1973-74	17,255	53,596	535,103	1,108	589,797
1974-75	17,262	60,190	462,359	408	522,957
1975-76	15,621	34,859	455,003	119	490,061
1976-77	16,985	50,754	552,456	147	603,357
1977-78	19,257	69,792	730,330	97	800,219
1978-79	13,939	26,359	540,940	752	568,051
1979-80	18,209	30,228	454,336	542	485,106
1980-81	16,905	49,226	570,732	3,253	623,211
1981-82	14,798	54,965	636,526	226	691,717
1982-83	15,037	39,499	627,619	522	667,640
1983-84	10,190	35,848	568,679	559	605,086
1984-85	11,375	52,678	585,884	272	638,834

Source: Special tabulations by Department of Fisheries and
Oceans, Freshwater Institute? Winnipeg.

**TABLE B.2 : COMMERCIAL HARVESTS OF PIKE LANDED (WEIGHT) BY
MANAGEMENT ZONE, SASKATCHEWAN**

	No. Deliveries	Catch			Total
		Northern	Central	Southern	
		.....Kg.....			
1973-74	17,255	48,755	664,992	1,123	714,960
1974-75	17,262	50,831	656,064	180	707,075
1975-76	15,621	62,087	498,860	23	560,970
1976-77	16,985	50,576	592,050	134	642,760
1977-78	19,257	69,118	635,377	150	704,653
1978-79	13,939	49,510	636,890	2,182	688,590
1979-80	18,209	105,632	777,031	560	883,223
1980-81	16,905	89,961	647,382	118	737,461
1981-82	14,798	51,669	566,418	6,948	625,035
1982-83	15,037	74,283	629,476	1,177	704,936
1983-84	10,190	45,990	411,996	1,750	459,736
1984-85	11,375	69,399	555,885	611	625,895

Source: Special tabulations by Department of Fisheries and Oceans, Freshwater Institute Winnipeg.

TABLE B.3 : COMMERCIAL **HARVESTS** OF WE **ITEPISH** (LANDED WEIGHT) BY MANAGEMENT ZONE,
SASKATCHEWAN

	No. Deliveries	Cat			Total
		Northern	Central.....Kg.	Southern	
1973-74	17,255	614,072	956,381	43,635	1,613,988
1974-75	17,262	515,941	1,276,024	17 ,703**	1,809,668
1975-76	15,621	484,226	1,230,572	74 ,834**	1,789,632
1976-77	16,985	431,i80	1,200,224	73,727	1,705,131
1977-70	19,257	419,226	1,007,478	96 ,312**	1,523,016
1978-79	13,939	167,178	920,588	85,304	1,193,070
1979-80	18,209	401,310	1,034,593	91,749	1,527,652
1980-61	16,905	411,877	943,099	103 ,336**	1,458,312
1981-82	14,798	219,924	757,809	99,953	1,077,686
1982-83	15,037	134,459	726,020	84,387	944,866
1983-84	10,190	132,798	608,895	91,838	833,531
1904-85	11,375	331,839	602,897	18 ,762*	953,498

● Includes whitefish roe.

● * **Export** whites only.

Source: Special tabulations by Department of Fisheries and
Oceans, Freshwater Institute Winnipeg.

TABLE B.4 : **COMMERCIAL** EARVESTS OF LAKE TROUT (LANDED WEIGHT) BY
MANAGEMENT ZONE, **SASKATCHEWAN**

	No. Deliveries	<u>Catch</u>			Total
		Northern	Central	Southern	
		.....Kg.			
1973-74	17,255	258,324	24,059	NA	282,383
1974-75	17,262	307,823	27,471	NA	335,294
1975-76	15,621	325,216	19,602	NA	344,818
1976-77	16,905	491,236	8,662	"NA	499,898
1977-78	19,257	486,559	14,729	NA	501,288
1978-79	13,939	320,996	4,944	265	326,205
1979-80	18,209	579,243	20,055	NA	599,298
1980-81	16,905	574,159	27,162	NA	601,321
1981-82	14,798	362,290	17,121	NA	379,411
1982-83	15,037	243,291	22,711	1,529	267,531
1983-84	10,190	203,063	8,971	2,455	214,489
1984-85	11,375	375,770	9,605	743	366,118

● Includes whitefish roe.

●* Export whites only.

Source: Special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

TABLE B.5 : **COMMERCIAL** HANVESTS OF ALL SPECIES (LANDED WEIGET) BY MANAGEMENT **ZONE, SASKATCHEWAN**

	No. Deliveries	<u>Catch</u>			Total
		Northern	Central	Southern	
		.....kg.....			
1973-74	17,255	974,756	2,297,558	443,344	3,715,658
1974-75	17,262	943,801	3,071,121	682,544	4,697,466
1975-76	15,621	906,388	2,482,372	573, a34	3,962,594
1976-77	16,985	1,023,745	2,414,087	538,848	3,976,680
1977-78	19,257	1,046,077	2,446,570	443,376	3,936,023
1978-79	13,939	597,906	2,123,025	311,969	3,032,900
1979-80	18,209	1,123,697	2,501,517	428,559	4,053,773
1980-81	16,905	1,125,252	2,217,890	711,284	4,054,426
1981-82	14,798	688,850	2,093,512	309,642	3,092,004
1982-83	15,037	491,536	2,016,785	271,612	2,779,933
1983-84	10,190	417,699	1,614,187	158,695	2,190,581
1984-85	11,375	829,654	1,778,008	233,468	2,841,130

Source: Special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

TABLE B.6 : **COMMERCIAL HARVESTS OF WALLEYE (ROUND EQUIVALENT WEIGHT) BY MANAGEMENT ZONE, SASKATCHEWAN**

	No. Deliveries	<u>Catch</u>			Totals
		Northern	Central	Southern	
		..... Kg.			
1973-74	17,255	64,560	678,602	1,072	744,234
1974-75	17,262	79,535	583,546	411	663,492
1975-76	15,621	41,575	587,370	119	629,064
1976-77	16,985	57,451	692,529	159	750,139
1977-78	19,257	89,772	915,494	98	1,005,364
1978-79	13,939	30,917	656,393	752	688,062
1979-80	18,209	38,968	569,123	542	608,633
1980-81	16,905	61,110	712,273	3,256	776,639
1981-82	14,798	68,908	804,415	241	873,564
1982-83	15,037	47,178	792,655	670	840,503
1983-84	10,190	41,639	689,493	671	731,803
1984-85	11,375	62,071	695,959	272	758,302

Source: Special tabulations by Department of Fisheries and
Oceans, Freshwater Institute? Winnipeg.

TABLE B.7: **COMMERCIAL HARVESTS OF PIKE** (ROUND EQUIVALENT WEIGHT) BY MANAGEMENT ZONE, **SASKATCHEWAN**

	No. Deliveries	<u>Catch</u>			Total
		Northern	Central	Southern	
		.....Kg.			
1973-74	17,255	66,352	889,483	1,499	967,334
1974-75	17,262	68,543	896,884	230	965,427
1975-76	15,621	83,085	683,264	30	766,379
1976-77	16,985	68,206	810,614	173	878,993
1977-78	19,257	88,225	866,099	204	954,528
1978-79	13,939	64,297	855,028	2,947	992,272
1979-80	18,209	135,131	1,049,435	758	1,185,324
1980-81	16,905	116,448	887,480	152	1,004,080
1981-82	14,798	66,177	743,881	9,299	819,357
1982-83	15,037	95,379	851,911	1,527	948,817
1983-84	10,190	58,485	555,940	2,263	616,688
1984-85	11,375	89,549	742,582	836	832,967

Source: Special tabulations by Department of Fisheries and Oceans, Freshwater **Institute**, Winnipeg.

**TABLE B.8: COMMERCIAL HARVESTS OF WHITEFISH (ROUND EQUIVALENT WEIGHT) By
MANAGEMENT ZONE, SASKATCHEWAN**

	No. Deliveries	Catch			Total
		Northern	Central	Southern	
		..... Kg.			
1973-74	17,255	750,401	1,184,911	45,700	1,981,012
1974-75	17,262	626,087	1,574,993	20,742**	2,221,822
1975-76	15,621	563,898	1,526,309	89,801	2,180,008
1976-77	16,985	506,853	1,460,306	88,505	2,055,744
1977-78	19,257	479,879	1,243,845	115,575**	1,839,299
1978-79	13,939	228,444	1,123,373	102,402	1,454,219
1979-80	18,209	490,051	1,272,423	110,098	1,872,572
1980-81	16,905	507,842	1,167,899	124,002**	1,799,743
1981-82	14,798	267,359	935,954	119,944	1,323,257
1982-83	15,037	174,738	917,859	101,331	1,193,928
1983-84	10,190	160,348	747,871	109,299	1,017,518
1984-85	11,375	411,592	739,006	22,440*	1,173,038

* Includes whitefish roe.

** Export whites **only**.

source : special tabulations by Department of Fisheries and
Oceans, Freshwater Institute, Winnipeg.

TABLE B.9: COMMERCIAL HARVESTS OF LAKE TROUT (ROUND EQUIVALENT , WEIGHT) BY MANAGEMENT ZONE, SASKATCHEWAN

	No. Deliveries	Catch			Total
		Northern	Central	Southern	
		..... Kg.			
1973-74	17,255	318,130	29,569	NA	347,699
1974-75	17,262	371,796	33,804	NA	405,600
1975-76	15,621	391,961	24,129	NA	416,090
1976-77	16,985	591,719	10,466	NA	602,185
1977-78	19,527	588,625	18,132	NA	606,757
1978-79	13,939	386,799	6,188	333	393,320
1979-80	18,209	727,434	26,768	NA	754,202
1980-81	16,905	699,724	33,539	NA	733,263
1981-82	14,798	438,250	21,427	NA	459,677
1982-83	15,037	292,983	27,886	1,837	322,706
1983-84	10,190	245,872	11,049	2,948	259,869
1984-85	11,375	453,829	11,918	892	466,639

Source: Special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

**TABLE B.10 : COMMERCIAL HARVESTS OF ALL SPECIES (ROUND EQUIVALENT WEIGHT) BY
MANAGEMENT ZONE, SASKATCHEWAN**

	No. Deliveries	Catch			Total
		Northern	Central	Southern	
		..... Kg.			
1973-74	17,255	1,199,452	2,943,145	569,468	4,712,065
1974-75	17,262	1,158,583	3,992,943	7ao ,9a4	5,932,510
1975-76	15,621	1,080,519	3,204,128	619,373	4,904,020
1976-77	16,985	1,224,228	3,046 ,a2a	579,005	4,850,061
1977-78	19,257	1,248,159	3,108,347	470,154	4,826,660
1978-79	13,939	729,866	2,664,699	336,378	3,730,943
1979-80	18,209	1,398,820	3,155,295	447,426	5,001,541
1980-81	16,905	1,385,159	2,828,563	732,260	4,945,982
1981-82	14,798	840,696	2,651,355	337,098	3,829,149
1982-83	15,037	610,283	2,604,267	289,409	3,503,959
1983-84	10,190	506,345	2,023,523	177,455	2,707,323
1984-85	11,375	1,017,041	2,220 ,4a9	238,096	3,475,626

Source: Special tabulations by Department of Fisheries and Oceans? Freshwater
Institute, Winnipeg.

TABLE B.11 : NUMBER OF DELIVERIES BY MANAGEMENT ZONE, SASKATCHEWAN

	Catch			Total
	Northern	Central	Southern	
	..... Kg.			
1973-74	2,653	14,407	195	17,255
1974-75	2,294	14,871	97	17,262
1975-76	2,401	12,895	245	15,621
1976-77	2,940	13,471	574	16,985
1977-78	3,506	15,594	1s7	19,257
1978-79	1,053	11,854	232	13,939
1979-80	3,536	14,427	246	18,209
1980-81	3,672	12,909	324	16,905
1981-82	2,255	12,301	242	14,798
1982-83	1,516	13,266	235	15,037
1983-84	977	8,948	265	10,190
1984-85	1,819	9,442	114	11,375

source : Special tabulationa by Department of Fisheries and
Oceans, Freshwater Institute, Winnipeg.

TABLE B.12: NIMSER OF COMMERCIAL FISHERMEN IN SASKATCHEWAN BY MANAGEMENT ZONE

	No. Fishermen ^{a,c}			
	Northern	Central	Southern	Total ^b
1973-74	241	1,197	114	1,552
1974-75	173	1,088	13	1,274
1973-76	196	1,015	138	1,369
1976-77	200	1,104	129	1,433
1977-78	261	1,193	14	1,468
1978.79	191	1,025	26	1,242
1979-80	253	1,028	27	1,308
1980-81	297	1,021	26	1,344
1981-82	192	885	28	1,105
1982-83	122	586	24	732
1983-84	68	454	21	543
1984-8S	113	485	18	616

Sources: Special tabulations by Department of Fisheries and Oceans, Freshwater, Institute, Winnipeg.

- a** Number of entities delivering fish to the FFMC. Aco-operative ia **counted** as one **entity only**.
- b** Fisherman fishing in more than one zone are counted more than *onca*.
- c** Theae operator **numbers** differ from **numbers** of fisherman prvided by **Saskatchewan** Parks and Renewable Resourcas (SPRR). For **example**, in 1984/85 SPRR estimated the **numbers** of fishermen in the Northern, **Central**, and SouthernZones as91, 570, and349, respectively. The difference baturen the tuo sets of **numbers** **presumably** represents those fisherman **selling** all their catch to final consumers.

TABLE B.13: NUMBER OF LAKES COMMERCIALY FISHED IN SASKATCHEWAN BY MANAGEMENT ZONE

	<u>No. Lakes Fished</u>			Total
	Northern	Central	Southern	
1973-74	47	105	6	158
1974-75	43	117	5	165
1975-76	51	113	6	170
1976-77	50	127	6	183
1977-78	53	132	5	190
1978-79	46	114	6	166
1979-80	61	138	9	208
1980-81	74	166	10	250
1901-82	48	132	7	187
1982-83	72	144	8	224
1983-84	40	114	6	168
1984-85	80	137	6	223

Sources: **special** tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

^aNumber of lakes for which landings delivered to **FFMC**.

TABLE B.14 : LAUDED OR LAKE VALUE OF COMMERCIAL HARVESTS OF ALL SPECIES BY
MANAGEMENT ZONE, SASKATCHEWAN

	No. Deliveries	Catch Value*			Total
		Northern	Central	Southern	
		.. **=\$.0 -00			
1973-74	17,255	412,844	1,234,013	78,113	1,724,970
1974-75	17,262	450,985	1,416,618	102,161	1,969,764
1975-76	15,621	410,043	1,381,895	127,204	1,919,142
1976-77	16,905	529,999	1,722,275	150,698	2,402,972
1977-70	19,257	669,101	2,122,678	129,877	2,921,656
1978-79	13,939	522,650	2,114,563	149,379	2,786,592
1979-80	18,209	1,010,115	2,494,173	185,845	3,690,133
1980-81	16,905	935,685	3,021,610	210,486	4,167,781
1981-82	14,798	593,511	2,790,886	124,956	3,509,353
1982-83	15,037	365,322	1,862,811	121,891	2,350,024
1983-84	10,190	609,937	2,393,787	103,760	3,107,484
1984-85	11,375	1,132,838	2,819,142	66,595	4,018,575

* Includes FFMC initial plus final payments, but excludes value of peddled fish.

Source: Special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

APPENDIX C

CATCH PER DELIVERY DATA

TABLE C1: **WALLEYE CATCH PER DELIVERY** (ROUND EQUIVALENT WEIGHT) BY **MANAGEMENT** ZONE, SASKATCHEWAN

	Catch per Delivery			Average
	Northern	Central	Southern	
	...kg per delivery...			
1973-74	24	47	5	43
1974-75	35	39	4	38
1975-76	17	46		40
1976-77	20	51		44
1977-78	26	59	1	52
1978-79	17	55	3	49
1979-80	11	39	2	33
1980-81	17	55	10	46
1981-82	31	65	1	59
1982-83	31	60	3	56
1983-84	43	77	3	72
1984-85	34	74	2	67

Source: Derived from data in Tables B.6 and B.11 (Basic data from special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg) .

TABLE C.2: PIKE CATCH PER DELIVERY (ROUND EQUIVALENT WEIGHT)
BY MANAGEMENT ZONE, SASKATCHEWAN

	Catch per Delivery			Average
	Northern	Central	Southern	
	...kg per delivery...			
1973-74	25	62	8	56
1974-75	30	60	2	56
1975-76	33	53		49
1976-77	23	60		52
1977-78	25	56	1	50
1978-79	35	72	13	71
1979-80	38	73	3	65
1980-81	32	69		59
1981-82	29	60	38	55
1982-83	62	64	6	63
1983-84	60	62	9	61
1984-85	49	79	7	73

Source: Derived from data in Tables B.7 and B.11 (**Basic** data from special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg) .

TABLE C. 3 : WHITEFISH CATCH PER DELIVERY (ROUND EQUIVALENT WEIGHT) BY MANAGEMENT ZONE, SASKATCHEWAN

	<u>Catch per Delivery</u>			Average
	Northern ...kg per delivery...	Central	Southern	
1973-74	283	82	234	114
1974-75	273	106	213**	129
1975-76	227	118	367	140
1976-77	172	108	154	121
1977-78	137	80	736**	96
1978-79	123	95	441	104
1979-80	139	88	448	103
1980-81	138	90	383**	106
1981-82	119	76	496	89
1982-83	115	69	431	79
1983-84	164	84	412	100
1984-85	226	78	197*	103

* Includes whitefish roe.

** Export whites only.

Source: Derived from data in Tables B.8 and B.11 (Basic data from special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg) .

TABLE C.4: LAKE TROUT CATCH PER DELIVERY (ROUND EQUIVALENT WEIGHT) BY MANAGEMENT ZONE, SASKATCHEWAN

	<u>Catch per Delivery</u>			Average
	Northern ...kg per delivery...	Central	Southern	
1973-74	120	2	NA	20
1974-75	162	2	NA	23
1975-76	158	2	NA	27
1976-77	201	1	NA	35
1977-78	168	1	NA	32
1978-79	209	1	"1	28
1979-80	206	2	NA	41
1980-81	191	3	NA	43
1981-82	194	2	NA	31
1982-83	193	2	8	21
1983-84	252	1	11	26
1984-85	249	1	8	41

Source: Derived from data in Tables B.9 and B.11 (Basic data from special **tabulations** by **Department** of **Fisheries** and Oceans, Freshwater **Institute**, Winnipeg) .

TABLE c .5 : ALL SPECIES CATCH PER DELIVERY (ROUND EQUIVALENT WEIGHT) BY MANAGEMENT ZONE, SASKATCHEWAN

	Catch Der Delivery			Average
	Northern	Central	Southern	
	...kg per delivery...			
1973-74	452	204	2920	273
1974-75	505	269	8051	344
1975-76	436	249	2528	314
1976-77	416	226	1009	286
1977-78	356	199	2995	251
1978-79	394	224	1450	268
1979-80	396	219	1819	275
1980-81	377	219	2260	293
1981-82	373	216	1393	259
1982-83	403	196	1232	233
1983-84	518	226	670	266
1984-85	559	235	2089	306

Source: Derived from data in Tables B.10 and B.11 (Basic data from special tabulations by Department of Fisheries and Oceans, Freshwater Institute, Winnipeg) .

APPENDIX 3

**LEVEL OF PROVINCIAL SUBSIDIES
AND EXPENDITURES**

TABLE D. 1 : PROVINCIAL SUBSIDY PAYMENTS

	<u>Subsidies</u>			Total
	Transportation Price	Support	Transportation	
		.a*\$*O		
1975-76	197,462 ^a	125,032 ^a		322,494
1976-77	392,015	274,080	31,796	697,891
1977-78	338,000	190,000	29,000	557,000
1978-79	359,335	43,197		402,532
1979-80	440,332	48,410		488,742
1980-81	511,686	26,677		538,363
1981-82	409,449	29,294		438,743
1982-83	458,316	17,662		475,978
1983-84	388,522	11,872		400,394
1984-85	507,777	17,932		525,709

^a Summer season only. Winter season payments were made in following fiscal year.

Sources: Saskatchewan Parks and Renewable Resources Annual Reports.

TABLE 1: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE ON KA EWA FISHERIES, 1974-75

Management	Departmental Activity	Commercial	Domestic and Indian	Expenditures	
				1974-75	1973-74
Northern	Enforcement	42,227	9,815	1,323	36,618
	Management	74,602	0	0	74,602
	Development	62,086	0	0	62,086
	Assessment	36,742	0	0	36,742
	Enhancement	0	0	0	0
Habitat Protection		0	0	0	0
TOTALS		215,657	9,815	1,323	147,962
Central	Enforcement	54,200	14,044	7,147	75,391
	Management	74,602	0	0	74,602
	Development	62,086	0	0	62,086
	Assessment	112,276	0	0	112,276
	Enhancement	0	0	0	0
Habitat Protection		0	0	0	0
TOTALS		301,170	14,822	4,829	270,630
Southern	Enforcement	28,920	11,000	17,087	56,007
	Management	36,587	0	0	36,587
	Development	0	0	0	0
	Assessment	73,786	0	0	73,786
	Enhancement	0	0	0	0
Habitat Protection		0	0	0	0
TOTALS		139,301	11,000	33,382	146,130
Total	Enforcement	123,301	33,864	15,557	172,722
	Management	185,791	0	0	185,791
	Development	124,172	0	0	124,172
	Assessment	222,804	0	0	222,804
	Enhancement	0	0	0	0
Habitat Protection		0	0	0	0
TOTALS		656,128	36,311	39,839	732,278

Source: Saskatchewan Parks and Renewable Resources

2: MAT EXPENDITURES BY DEPARTMENTAL ACTIVITY AND NA EM ZONE ON KAT EWAN FISHERIES, 1975-76.

Management Zone	Departmental Activity	Commercial	DOMESTIC and Indian	AGRICULTURE	WATERWAYS	TOTALS
Northern		\$				
	Enforcement	48,718	11,323	1,526	42,247	103,814
	Management	37,712	0	0	37,712	75,424
	Development	132,067	0	0	0	132,067
	Assessment	80,973	0	0	80,973	161,946
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
	TOTALS	299,470	11,323	1,526	160,932	473,251
Central	Enforcement	80,434	11,101	2,000	37,112	130,547
	Management	37,712	0	0	37,112	75,424
	Development	132,067	0	0	0	132,067
	Assessment	80,973	0	0	80,973	161,946
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
	TOTALS	310,984	17,101	5,688	178,200	512,033
Southern	Enforcement	33,375	13,489	10,177	113,001	170,042
	Management	83,294	9,254	9,255	83,294	185,097
	Development	0	0	0	0	0
	Assessment	127,170	4,130	4,130	127,170	262,600
	Enhancement	0	0	0	143,258	143,258
	Habitat Protection	0	0	0	0	0
	TOTALS	243,839	26,853	32,184	467,409	770,285
Total	Enforcement	142,325	41,893	26,013	413,507	643,738
	Management	158,718	9,254	9,255	158,718	335,945
	Development	264,134	0	0	0	264,134
	Assessment	289,116	4,130	4,130	289,116	586,492
	Enhancement	0	0	0	143,258	143,258
	Habitat Protection	0	0	0	0	0
	TOTALS	854,293	55,277	39,398	806,601	1,755,569

Source: Saskatchewan Parks and Renewable Resources

TABLE 3: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE ON SASKATCHEWAN FISHERIES, 1976-77

Management Zone	Departmental Activity	Commercial	Domestic and Indian	Aquaculture	Recreation	Average
Northern	Enforcement	54,901	12,760	1,720	47,611	116,994
	Management	28,386	0	0	28,386	56,772
	Development	87,753	0	0	0	87,753
	Assessment	84,200	0	0	84,200	168,400
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
	TOTALS	255,242	12,760	1,720	160,197	429,919
Central	Enforcement	67,879	17,474	0	85,353	170,702
	Management	28,386	0	0	28,386	56,772
	Development	87,753	0	0	0	87,753
	Assessment	175,541	0	0	125,962	301,503
	Enhancement	0	0	0	43,124	43,124
	Habitat Protection	0	0	0	14,007	14,007
	TOTALS	359,559	19,272	6,409	278,618	663,858
Southern	Enforcement	37,814	13,143	0	50,957	101,914
	Management	54,960	0	25,025	123,632	203,617
	Development	0	0	0	0	0
	Assessment	34,067	0	0	34,067	68,134
	Enhancement	0	0	0	129,373	129,373
	Habitat Protection	0	0	0	57,528	57,528
	TOTALS	126,639	15,179	46,211	472,720	660,749
Total	Enforcement	160,594	43,417	0	204,011	408,028
	Management	111,732	0	25,025	180,404	317,161
	Development	175,506	0	0	0	175,506
	Assessment	293,808	0	0	244,229	538,037
	Enhancement	0	0	0	172,497	172,497
	Habitat Protection	0	0	0	71,535	71,535
	TOTALS	741,440	47,211	54,340	911,535	1,754,526

Source: Saskatchewan Parks and Renewable Resources

TABLE 4: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE SASKATCHEWAN FISHERIES, 1977-78

Management Zone	mm	native Indian	Aquaculture	Recreational	Totals
Northern		\$	\$	\$	\$
Enforcement	71,382	16,591	2,236	61,901	152,110
Management	27,096	0	0	27,096	54,192
Development	66,003	0	0	0	66,003
Assessment	83,338	0	0	83,638	167,276
Enhancement	0	0	0	0	0
Habitat Protection	0	0	0	0	0
TOTALS	248,119	16,591			
Central					
Enforcement	88,252	25,056	8,333	87,290	208,931
Management	27,096	0	1,314	27,096	55,506
Development	66,004	0	0	0	66,004
Assessment	271,335	0	0	110,878	382,213
Enhancement	0	0	0	49,699	49,699
Habitat Protection	0	0	0	7,004	7,004
TOTALS	452,687	25,056	9,647	281,967	769,357
Southern					
Enforcement	48,901	19,735	27,545	166,574	262,755
Management	63,612	0	31,576	134,845	230,033
Development	0	0	0	0	0
Assessment	51,312	0	0	34,781	86,093
Enhancement	0	0	0	149,072	149,072
Habitat Protection	0	0	0	62,732	62,732
TOTALS	163,825	19,735	59,121	548,004	790,685
Total					
Enforcement	208,535	\$1,302	38,114	\$15,765	623,796
Management	117,804	0	32,890	89,037	339,731
Development	132,007	0	0	0	132,007
Assessment	406,285	0	0	29,297	635,582
Enhancement	0	0	0	298,771	198,771
Habitat Protection	0	0	0	169,736	69,736
TOTALS	864,631	\$1,382	71,004	1,002,606	1,999,623

Source: Saskatchewan Parks and Renewable Resources

TABLE 5: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE OF SASKATCHEWAN FISHERIES, 1978-79

Management zone	Departmental Activity	Commercial	Domestic and Indian	Administrative	Research	Total
Northern	Enforcement	69,049	16,049	2,183	59,878	147,139
	Management	25,806	0	0	25,806	51,612
	Development	44,254	0	0	44,254	44,254
	Assessment	83,075	0	0	83,076	166,151
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
	TOTALS	222,184	16,049	2,183	188,760	409,156
Central	Enforcement	85,368	24,237	8,060	84,438	202,103
	Management	25,806	0	2,627	25,806	54,239
	Development	44,255	0	0	44,255	44,255
	Assessment	95,794	0	0	95,795	191,589
	Enhancement	0	0	0	56,256	56,256
	Habitat Protection	0	0	0	0	0
	TOTALS	251,223	24,237	10,687	262,295	548,442
Southern	Enforcement	47,303	18,030	26,645	161,130	254,108
	Management	72,255	0	38,128	146,058	256,451
	Development	0	0	0	0	0
	Assessment	68,577	0	0	35,495	104,052
	Enhancement	0	0	0	168,770	168,770
	Habitat Protection	0	0	0	67,935	67,935
	TOTALS	188,125	19,090	64,773	579,388	851,376
Total	Enforcement	201,720	59,316	56,868	503,440	821,344
	Management	123,877	0	40,755	197,670	362,302
	Development	88,509	0	0	88,509	88,509
	Assessment	247,426	0	0	214,388	461,792
	Enhancement	0	0	0	225,028	225,026
	Habitat Protection	0	0	0	67,935	67,935
	TOTALS	661,532	59,376	77,623	1,010,443	1,808,974

Source: Saskatchewan Parks and Renewable Resources

TABLE 6: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE ON SASKATCHEWAN FISHERIES, 1979.

Management Zone	Departmental Activity	Commercial	Domestic and Indian	Aquaculture	Recreational	Totals
		\$	\$	\$	\$	\$
Northern	Enforcement	80,887	18,800	2,534	70,144	172,365
	Management	47,253	0	0	47,253	94,506
	Development	66,715	0	0	0	66,715
	Assessment	71,135	0	0	71,135	142,270
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
	TOTALS	265,990	18,800	2,534	188,532	475,856
Central	Enforcement	100,004	28,392	9,442	98,915	236,753
	Management	47,253	0	0	47,253	94,506
	Development	66,715	0	0	0	66,715
	Assessment	110,365	0	0	110,365	220,730
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	8,378	8,378
	TOTALS	324,337	20,392	9,442	264,911	627,082
Southern	Enforcement	55,414	22,363	31,213	188,758	297,746
	Management	70,942	0	29,294	127,743	227,979
	Development	0	0	0	0	0
	Assessment	46,026	0	10,229	46,026	102,281
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	97,702	97,702
	TOTALS	172,382	22,363	70,736	460,227	725,708
Total	Enforcement	236,305	69,555	43,189	357,815	706,864
	Management	165,448	0	29,294	222,249	416,991
	Development	133,430	0	0	0	133,430
	Assessment	227,526	0	10,229	227,526	465,281
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	106,080	106,080
	TOTALS	762,709	69,555	82,712	913,670	1,828,646

Source: Saskatchewan Parks and Renewable Resources

TABLE 7: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE ON SASKATCHEWAN FISHERIES, 1980-81

Management Zone	Departmental Activity	Commercial	Domestic and Indian	Adjustments	
Northern	Enforcement	75,833	17,826	2,375	65,662
	Management	51,055	0	0	51,055
	Development	72,084	0	0	72,084
	Assessment	93,821	0	0	137,121
	Enhancement	0	0	0	0
Habitat Protection		292,793	17,826	2,375	253,938
TOTAL					566,732
Central	Enforcement	93,750	40,015	0	59,751
	Management	59,751	0	0	0
	Development	72,084	0	0	0
	Assessment	117,034	0	0	117,034
	Enhancement	0	0	0	65,038
Habitat Protection		340,625	26,819	8,853	37,808
TOTAL					750,462
Southern	Enforcement	51,731	40,015	0	154,512
	Management	79,502	0	25,870	0
	Development	0	0	0	0
	Assessment	33,923	0	0	73,747
	Enhancement	0	0	0	195,113
Habitat Protection		100,240	20,885	55,133	41,892
TOTAL					883,201
Total	Enforcement	221,240	117,845	25,870	265,318
	Management	190,308	0	0	0
	Development	144,168	0	0	327,402
	Assessment	244,778	0	0	260,151
	Enhancement	0	0	0	79,700
Habitat Protection		800,794	65,210	66,361	1,268,030
TOTAL					2,200,395

Source: Saskatchewan Parks and Renewable Resources

TABLE 8: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND NA ZONE ON SASKATCHEWAN FISHERIES, 1981-82

Management Zone	Departmental Activity	Commercial	Domestic and Indian	Aquaculture	Recreational	Totals
		\$	\$	\$	\$	\$
Northern	Management	90,260	20,979	2,827	78,273	192,339
	Development	54,221	0	0	54,221	108,442
	Assessment	76,555	0	0	0	76,555
	Enhancement	122,101	0	0	122,101	244,202
	Habitat Protection	0	0	0	0	0
	TOTALS	343,137	20,979	2,827	254,595	621,538
Central	Enforcement	111,593	31,683	10,537	110,376	264,189
	Management	70,125	0	0	70,125	140,250
	Development	76,556	0	0	0	76,556
	Assessment	120,993	0	0	120,992	241,985
	Enhancement	0	0	0	82,182	82,182
	Habitat Protection	0	0	0	0	0
	TOTALS	379,267	31,683	10,537	383,675	805,162
Southern	Enforcement	61,835	24,954	34,830	210,629	332,248
	Management	57,243	0	9,529	181,941	248,713
	Development	0	0	0	0	0
	Assessment	32,743	0	0	34,727	67,470
	Enhancement	0	0	0	246,532	246,532
	Habitat Protection	0	0	0	28,039	28,039
	TOTALS	151,821	24,954	44,359	701,868	923,002
Total	Enforcement	263,688	77,616	48,194	399,278	788,776
	Management	181,589	0	9,529	306,287	497,405
	Development	153,111	0	0	0	153,111
	Assessment	275,837	0	0	277,820	553,657
	Enhancement	0	0	0	328,714	328,714
	Habitat Protection	874,225	7,818	57,723	28,039	28,039
	TOTALS	874,225	7,818	57,723	1,340,138	2,349,702

Source: Saskatchewan Parks and Renewable Resources

TABLE B: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE ON SASKATCHEWAN FISHERIES, 1982-83

Management Zone	Departmental Activity	Commercial	Domestic and Indian	Aquaculture	Recreational	Totals
Northern	Enforcement	113,113	28,291	3,543	98,090	241,037
	Management	64,123	0	0	64,123	128,246
	Development	90,335	0	0	0	90,335
	Assessment	96,182	0	0	96,182	192,364
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
TOTALS		383,753	28,291	3,543	258,395	651,982
Central	Enforcement	139,847	33,704	13,204	138,323	331,078
	Management	81,453	0	13,336	81,453	176,242
	Development	90,335	0	0	0	90,335
	Assessment	141,274	0	0	157,342	298,616
	Enhancement	0	0	0	107,560	107,560
	Habitat Protection	0	0	0	9,677	9,677
TOTALS		452,909	33,704	26,540	494,355	1,013,508
Southern	Enforcement	77,491	31,272	43,649	263,959	416,371
	Management	66,455	0	54,467	187,746	308,668
	Development	0	0	0	0	0
	Assessment	60,940	0	0	110,011	170,951
	Enhancement	0	0	0	322,678	322,678
	Habitat Protection	0	0	0	29,031	29,031
TOTALS		204,886	31,272	98,116	913,425	1,247,699
Total	Enforcement	330,451	97,267	60,396	500,372	988,486
	Management	212,031	0	67,803	333,322	613,156
	Development	180,670	0	0	0	180,670
	Assessment	298,396	0	0	363,535	661,931
	Enhancement	0	0	0	430,238	430,238
	Habitat Protection	0	0	0	38,708	38,708
TOTALS		1,021,548	97,267	128,199	1,885,375	2,913,189

Source: Saskatchewan Parks and Renewable Resources

TABLE 1. ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONE ON SASKATCHEWAN FISHERIES, 1983-8.

Management Zone	Departmental Activity	Commercial	Domestic and Indian	Aquaculture	Recreational	Totals
Northern	Enforcement	103,913	24,152	3,255	90,113	221,433
	Management	44,603	0	0	44,603	89,206
	Development	63,371	0	0	0	63,371
	Assessment	81,648	0	0	81,648	163,296
	Enhancement	0	0	0	0	0
	Habitat Protection	0	0	0	0	0
TOTALS		293,555	24,152	3,255	216,364	537,306
Central	Enforcement	128,473	38,475	12,130	117,872	304,150
	Management	78,337	0	14,819	16,35	199,191
	Development	63,371	0	16,108	0	79,479
	Assessment	76,587	0	0	7,587	153,174
	Enhancement	0	0	0	9,617	96,617
	Habitat Protection	0	0	0	0	0
TOTALS		346,768	38,475	43,057	408,311	832,611
Southern	Enforcement	71,188	28,729	40,099	242,489	382,505
	Management	354,352	0	93,739	437,444	885,535
	Development	0	0	48,322	0	48,322
	Assessment	66,411	0	0	158,604	225,015
	Enhancement	0	0	0	289,849	289,849
	Habitat Protection	0	0	0	40,104	40,104
TOTALS		491,951	28,729	182,160	1,168,490	1,871,330
Total	Enforcement	303,574	89,350	55,484	459,674	908,088
	Management	477,292	0	108,558	588,082	1,173,932
	Development	126,742	0	64,430	0	191,172
	Assessment	224,646	0	0	316,839	541,485
	Enhancement	0	0	0	386,466	386,466
	Habitat Protection	0	0	0	40,104	40,104
TOTALS		1,132,254	89,350	228,472	1,791,165	2,241,247

Source: Saskatchewan Parks and Renewable Resources

TABLE 11: ESTIMATED EXPENDITURES BY DEPARTMENTAL ACTIVITY AND MANAGEMENT ZONES ON

Management	Departmental	Commissioners and Indian	Total
Northern	Enforcement	26,351	3,548
	Management	5,287	5,287
	Development	0	0
	Assessment	0	0
	Enhancement	0	0
Habitat Protection	0	0	
		8,835	217,029
			507,467
Central	Enforcement	6,988	6,988
	Management	0	0
	Development	0	0
	Assessment	0	1,823
	Enhancement	0	0
Habitat Protection	0	0	
		22,041	429,758
			850,835
Southern	Enforcement	12,522	30,242
	Management	0	0
	Development	9,233	31,664
	Assessment	0	0
	Enhancement	0	7,667
Habitat Protection	0	117,317	
		48,112	990,379
			1,479,697
Total	Enforcement	45,873	42,517
	Management	24,797	42,517
	Development	0	0
	Assessment	9,233	33,487
	Enhancement	0	0
Habitat Protection	0	7,667	
		144,188	336,937
			643,915
			35,756
			738,745
			387,622
			41,185
			837,999

Source: Saskatchewan Parks and Recreation Resources

APPENDIX E

LICENCE REVENUES AND PROFILES
OF OTHER FISHERY SECTORS

TABLE E .1 : SASKATCHEWAN COMMERCIAL AND SPORT FISHING LICENCES

	Commercial		sDort	
	No. Licences ^a	Revenue .**\$.**	No. Licences	Revenues ^b ..\$. . .
1960-61	3,043	15,215	97,260	\$240,208
1961-62	2,796	13,980	96,623	245,839
1962-63	3,187	15,935	96,904	248,686
1963-64	3,308	16,540	93,694	252,287
1964-65	3,161	15,805	100,717	272,813
1965-66	3,128	15,640	101,480	275,030
1966-67	2,976	14,880	110,007	295,271
1967-68	2,769	13,845	112,510	297,008
1968-69	2,237	12,305	130,442	344,303
1969-70	3,223	16,115	143,579	367,818
1970-71	3,487	17,435	132,764	482,466
1971-72	3,088	15,440	139,362	523,245
1972-73	2,585	12,925	152,073	566,524
1973-74	2,157	12,185	156,197	591,903
1974-75	2,206	12,550	170,037	634,816
1975-76	2,253	12,945	177,322	674,276
1976-77	2,305	13,695	196,529	733,626
1977-78	2,271	13,305	201,415	741,767
1978-79	2,178	12,765	202,527	744,998
1979-80	2,063	13,795	197,785	729,246
1980-81	2,245	27,930	194,273	1,131,167
1981-82	1,944	24,440	205,948	1,151,508
1982-83	2,100	25,150	201,361	1,166,116
1983-84	1,585	20,040	197,403	1,062,328
1984-85	1,715	23,246	178,901	1,961,268^c

^a A distinct licence is required for each lake fished.
Consequently, number of licences is greater than number
of operators.

^b Includes vendors commissions.

^c Includes Fish and Wildlife Development Fund contributions.

Sources: Saskatchewan Department of Natural Resources,
Northern Saskatchewan, Tourism and Renewable
Resources, and Parks and Renewable Resources

TABLE E.2: THE SASKATCHEWAN BAIT FISHERY LICENCES

	Bait Fishery		
	No. Licences	Licence Revenue .D*\$ **	Production .OW '000kg...
1971-72	13	195	3
1972-73	21	315	6
1973-74	30	330	10
1974-75	33	495	10
1975-76	39	585	12
1976-77	42	630	22
1977-78	46	690	39
1978-79	50	750	14
1979-80	62	930	8
1980-81	62	1,260	22
1981-82	57	1,120	14
1982-83	50	1,000	18
1983-84	50	1,000	7
1984-85	63	1,245	15

Sources: Saskatchewan Department of Natural Resources,
Northern Saskatchewan, Tourism and Renewable
Resources, and Parks and Renewable Resources

TABLE E.3: SASKATCHEWAN BRINE SHRIMP INDUSTRY LICENCES

Brine ShrimD Fishery			
	No. Licences	Licence Revenue .. * \$. **	Production ..0 ' 00 0kg...
1971-72	4	60	29
1972-73	3	45	78
1973-74	6	90	22
1974-75	8	120	28
1975-76	9	135	33
1976-77	9	135	16
1977-78	1	15	24
1978-79	8	120	22
1979-80	9	135	21
1980-81	9	180	2
1981-82	9	180	2
1982-83	7	140	
1983-84	8	160	14
1984-85	3	60	19

Sources: Saskatchewan Department of Natural Resources, Northern Saskatchewan, Tourism and Renewable Resources, and Parks and Renewable Resources

TABLE E.4: SASKATCHEWAN FISH FARMING INDUSTRY LICENCES

	<u>No. of Licenses</u>			Commercial	No. Pieces	Production ('000 kg)
	Domestic	Commercial	Total	License Revenue^{ab}	Stocked (lo@)	
				...		
1970-71	144	22	166	330	230	4
1971 "n	446	36	482	540	600	36
1972-n	894	40	934	600	800	52
1973-74	1,223	41	1,264	615	809	59
1974-75	2,370	42	2,412	630	907	70
1975-76	2,492	46	2,538	690	1,043	88
1976-77	2,409	57	2,466	855	893	131
1977-78	1,614	46	1,660	690	625	75
1978-79	2,077	57	2,134	855	678	81
1979-80	2,27b	57	2,331	855	800	113
1980-81	2,097	57	2,154	855	670	72
1981-82	1,698	55	1,753	825	588	N/A
1982-83	1,973	52	2,025	780	685	100
1983-84	2,202	63	2,265	945	745	100
1984-85	2,069	72	2,141	1,080	548 ^c	75

^a no fee for domestic fish farming licenses.

^b Excludes fish royalties.

^c Not including 415,000 eggs.

Sources: Saskatchewan Department of Natural Resources,
Northern Saskatchewan, Tourism and Renewable
Resources, and Parks and Renewable Resources

TABLE E.5: SASKATCHEWAN FUR FARM FISHERY LICENCES

<i>Fur Farm Fishin'f Industry</i>			
	No. Licences	Licence Revenue ..*\$**	Production ...'000kg...
1960-61	79	14,449	2,722
1961-62	73	13,193	2,545
1962-63	66	10,070	2,345
1963-64	60	12,359	2,175
1964-65	62	12,044	2,646
1965-66	61	10,202	1,955
1966-67	60	15,816	2,732
1967-68	31	6,217	2,703
1968-69	31	8,732	1,802
1969-70	21	3,409	935
1970-71	17	3,547	913
1971-72	9	1,765	475
1972-73	9	1,686	452
1973-74	8	1,249	374
1974-75	8	1,070	249
1975-76	7	861	177
1976-77	9	973	205
1977-78	8	1,049	146
1978-79	8	833	176
1979-80	8	723	223
1980-81	8	880	175
1981-82	7	922	142
1982-83	6	700	150
1983-84	5	565	96
1984-85	4	327	49

Sources: Saskatchewan Department of Natural Resources,
Northern Saskatchewan, Tourism and Renewable
Resources, and Parks and Renewable Resources

TABLE E. 6: **DOMESTIC NET AND FREE INDIAN FISHERIES LICENCES**

	<u>No. Licences/Permits</u>			Domestic Net Licence Revenue .*9\$.00	Production (Domestic Plus Free Indian) '000kg
	Domestic Net	Free Indian	Total		
1960-61	1,394	782	2,176	2,790	1,010
1961-62	1,256	276	1,532	2,594	797
1962-63	1,162	486	1,648	2,254	754
1963-64	1,016	545	1,561	2,180	635
1964-65	896	324	1,220	1,792	544
1965-66	1,121	329	1,450	2,242	508
1966-67	939	298	1,237	1,878	N/A
1967-68	710	410	1, 120	1,420	486
1968-69	779	193	972	1,763	567
1969-70	920	164	1,084	1,840	567
1970-71	917	NA		1,834	567
1971-72	500	NA		1,000	386
1972-73	573	NA		1,146	390
1973-74	442	NA		884	467
1974-75	676	NA		1,352	531
1975-76	595	NA		1,190	534
1976-77	760	NA		1,520	
1977-78	472	NA		944	
1978-79	868	NA		1,736	
1979-80	621	NA		1,241	
1980-81	517	NA		2,585	
1981-82	293	332	625	1,465	
1982-83	704	443	1,147	3,520	
1983-84	538	541	1,079	2,690	
1984-85	479	599	1,078	2,392	

Sources: Saskatchewan Department of Natural Resources,
Northern Saskatchewan, Tourism and Renewable
Resources, and Parks and Renewable Resources

APPENDIX F

**PROVINCIAL AND FEDERAL ACTIVITIES
AND PROGRAMS**

TABLE F. 1 : SUMMARY OF PROVINCIAL GOVERNMENT ACTIVITIES AND PROGRAMS AFFECTING THE SASKATCHEWAN FISHERY, 1970 TO PRESENT

Enhancement

operation of Fort **Qu'Appelle** Fish Culture station.
 stocking waters with fry or fingerlings.
 construction of rearing ponds.
 lakes treated to remove indigenous predator species before
 exotic species (game trouts) are introduced.
 lake aeration, fishways.

Habitat Protection

testing for mercury pollution
 watershed protection studies where "forest harvesting
 operations were scheduled e.g., ecological baseline study on
 waters affected by proposed Athabaska Forest Products pulp
 mill **in** 1972
 studying of acid rain and road construction.

Enforcement/operations

licence revenue **collection/issuing** licences
 closed seasons and closed areas enforcement
 spot checks for bag limit and gear infractions
 spot checks for licence infractions.

Assessment

sampling commercial catches
 sampling sport catches (creel **surveys**)
 fish aging
 information processing
 determination of sustained yields/development of criteria for
 specifying quota levels (based on lake size, **location**,
 productivity, previous harvest).
 establishing experimental commercial and bait fisheries e.g. ,
 Lake Diefenbaker for commercial whitefish in fall of 1976
 walleye tagging studies
 spawning studies
 test fishing e.g., **Amisk** Lake **survey**
 operation of Saskatchewan Fisheries Laboratory in Saskatoon
 test netting.
limnological and **biological** studies
 establishing fisheries management information system
 study of raising walleye to fingerling stage in a rearing
 pond rather than by stocking fry directly
 investigation of water bodies for suitability to winter
 fishing
 liaison with DFO-re 1975 and 1980 angler mail **surveys**

. . continued

TABLE F.1: continued

establishing regional offices of the Department of Northern Saskatchewan in La Ronge, Buffalo Narrows and Creighton
investigation of suitability of waters for developing trout fisheries

Management

1. Regulations and Planning

- regional management plans
- formation of Fish Hatcheries Review Committee and 5 year plan for northern first culture
- development of planning document: **"Proposed Goals and Strategies for Fisheries Management in the 1980's"**, 1981
- development of planning document: Saskatchewan Fisheries Policy Action Plan", 1983
- development of planning document: **"Conservation** options for the Commercial Users of the Fish Resource: A Discussions Paper", 1985
- proposal for more stringent disease control of imported rainbow trout fingerlings
- setting quotas and changing regulations **e.g.**, closing Big Peter Pond Lake to commercial fishing in 1974-75.

2. Allocation

- development of commercial fisheries allocation process (originally applied to Lac La Ronge and Lake Athabasca) in which local **fishermen's** associations develop eligibility criteria
- local allocation meetings

3. Consultation

- consultation with user groups e.g., Commercial Fisheries Development Committee, Tourist Sport Fisheries Committee, and Fishery Advisory Committee.
- regional meetings.

Development

1. Subsidies/Grants

- fish transportation subsidy
- fish price support
- outlying lake subsidy
- redundancy payments
- Special ARDA grants to construct two packing plants
- Special ARDA equipment grants

...continued

TABLE F.1: continued

grant to **Co-operative Fisheries Ltd. (CFL)** to cover ` **operating deficit in 1974-75 (\$172 thousand)**
ice house facility construction grants (cost shared provincially and federally under Fish Chilling Assistance Program)
 grant for start-up of **Fishermen's Supply Co-op** ice-house, packing house, dock upgrading and construction grants
 supplied CFL with management consulting services (to develop cost accounting practices)
 ice harvesting grants
 grants to cover transportation of ice **harvesting** equipment between locations
 gas tax rebates.

2. Training

Stanley Mission residents trained in fish age analysis
 - guide training school
 skiff building course

3. Extension

re commercial fishing procedures publication (Commercial Fisheries Extension Training Program)
 Fishermen's Cost Accounting Program
 technical extension assistance on fish farming (including fish farm newsletter)
 education and assistance to commercial fishermen in dealing with income tax, excise tax, and unemployment insurance.
 testing mechanized net pullers
 financial assistance to **Fishermen's Association** and Northern Saskatchewan Outfitters Association
 funded Commercial Fisheries Development Committee for liaison between fishermen and Departments.

4. Programs/Assistance

umbrella Fisheries Development Program (FDP) implemented in 1974-75
 experimental whitefish roe program
 commercial fishermen's identification program
 establishment of Stanley Mission Fish Aging Co-operative
 study to define investment opportunities in sport fisheries in the Stanley Mission - South end of Reindeer Lake area
 system of recoding fishermen's daily catch at La Ronge.
 TSB low interest loans to qualified northern fishermen to prepare and/or purchase various supplies and fishing equipment (\$528 thousand to 176 persons between **January 1982 and September 1985**).

TABLE F. 2 : **SUMMARY OF FEDERAL GOVERNMENT ACTIVITIES AND PROGRAMS AFFECTING THE SASKATCHEWAN FISHERY**

Assessment

analysis of fishermen transactions with FFMC i.e.,
 waybill analysis
"willingness to pay" surveys of Saskatchewan anglers
 Saskatchewan lodge industry study
 aquiculture research
 fisheries rehabilitation (walleye studies)
 1975 and 1980 sport fishing **surveys**
 experimental cropping of lakes
 fish disease protection studies
 biennial Canadian Sport Fishing Conferences
 costs and earnings survey
 walleye enhancement program.

Habitat Protection

pollution monitoring
 acid rain studies
 impact studies of hydro-electric power developments
 impact studies of logging.

Enforcement (Inspection/Quality Improvement)

quality control of processing plants
 quality protection during unloading, handling at dockside
 and water and transportation to plants
 monitor water and ice supplies
 certification of vessel construction and certification
 on-board quality protection measures e.g., plastic tubs
 replacing wooden boxes
 inspection of final product grade standards
 laboratory in Prince Albert.

Development/Subsidies

Fishing Vessel Insurance Plan (provides protection from
 abnormal capital losses at premiums which are affordable
 by fishermen, where insurance is otherwise available
 from commercial sources)
 Fishing Vessel Assistance Program (provides financial
 assistance towards the capital cost of vessel
 replacement)
 Fisheries Prices Support Program (provides deficiency
 payments when markets are depressed: not active in FFMC
 jurisdiction for several years)
 accelerated depreciation on newly constructed vessels
 shore-based infrastructure developments undertaken
 jointly by federal and provincial governments e.g. , Fish
 Chilling Assistance Program, Special ARDA Program

. . . continued

TABLE F. 2 : continued

- maintenance of docking facilities by Small Craft Harbours
 - UI payments to self-employed fishermen
 - new product developments e.g., fish sticks
 - development of whitefish roe, brine shrimp and crayfish feasibility studies
 - energy conservation studies
 - redundancy payments
 - the charging of less than normal mark-ups on nets by the **FFMC.**
-