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ALBERTA TARIFF REDUCTION AND ELIMINATION PRIORITIES, 1997-2001

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Introduction

The purpose of this report is to give an overview of the developments and trends in Alberta's exports for 1997 to 2001. An overview of developments in international trade over a five-year period will assist in the identification of export categories which should have priority for tariff reduction or elimination in multilateral trade negotiations at the World Trade Organization (WTO) or in bilateral agreements between Canada and its major trading partners. The intent of the study is to help focus on markets where tariff barriers represent significant obstacles for Alberta's major export products.

The report, therefore, focuses on the exports to countries which do not have a Free Trade Agreement (FTA) with Canada (non-FTA countries). Export data for the United States, Mexico, Costa Rica, Chile and Israel, all of whom have a Free Trade Agreement with Canada (FTA countries), are therefore not presented in detail. Alberta's export values from trade with FTA countries are included only in comparison with total exports to non-FTA nations.

The products are classified according to the Harmonized Tariff Coding System (HS Codes). The report contains an Agricultural Section and a Non-Agricultural Section. These are further divided into chapters of 2-digit HS Codes. The product description is at the 6-digit HS. The threshold used for the study is CAD \$500,000 in total export value to any non-FTA country at the 6-digit level. All export values are given in Canadian dollars (CAD).

In addition to their export values the study presents the final bound tariff rates for the selected products, if available. Bound tariffs are the maximum tariffs that a country can impose as a result of commitments made during prior trade negotiations, in this case, during the multilateral trade negotiations of the WTO Uruguay Round in 1996. The information on the bound rates is only available for WTO members. Bound rates for non-WTO members and countries where tariff information was not available, are reported as 'n.a.'. Where bound rate information was provided at the 8 or 10-digit level, the tariff range is provided in the report.

Tariffs for certain information technology products have been reduced to 0% following the Agreement on Trade in Information Technology Products (ITA). The agreement was concluded in Singapore in 1996 and has been signed by over 40 countries and the EU. Products which fall in this category are mainly found in HS Chapters 84, 85 and 90.

Members of the European Union are grouped together as the EU 15 and include Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden and the United Kingdom.

Section 1 – Agricultural Products

HS Chapter 1 – Live Animals

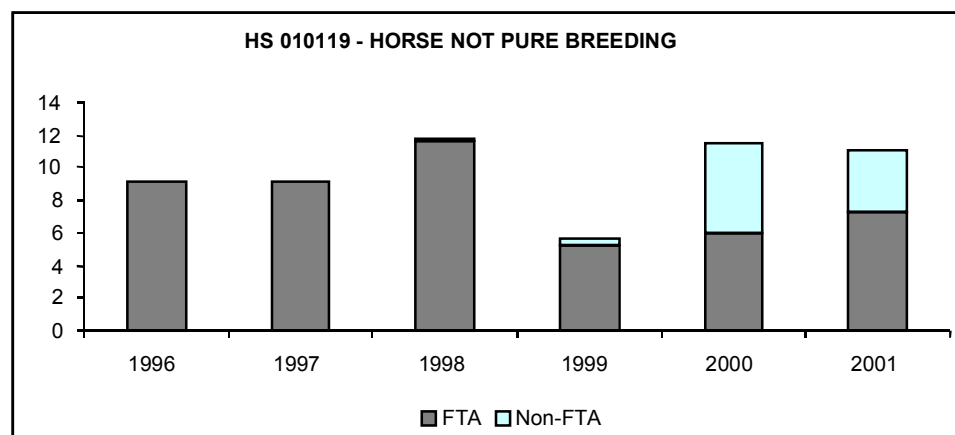
Table 1. Bound Tariff Summary: Chapter 1 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
010119	HORSE NT PUR BREEDG	Japan	0%	0.000	0.000	0.323	5.364	3.879
010210	BOVINE - PURE BREEDG	China	0%	3.601	0.000	0.622	0.922	0.000
010600	OTHER LIVE ANIMALS	EU 15	0 - 6.4%	0.000	0.165	0.151	2.232	0.280
		Korea, South	11 - 18%	1.352	0.000	0.189	0.258	0.000
		China	0 - 10%	0.704	0.000	0.000	0.000	0.000

Table 2. Alberta's Annual Chapter 1 Export Values to Non-FTA Countries
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
010119	HORSE NT PUR BREEDG	0.000	0.025	0.020	0.323	5.537	3.902
010210	BOVINE - PURE BREEDG	1.001	3.883	0.143	0.648	1.048	0.034
010600	OTHER LIVE ANIMALS	0.000	2.069	1.165	0.625	2.519	0.094

Figure 1. Alberta's Chapter 1 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 2 – Meat

Table 3. Bound Tariff Summary: Chapter 2 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
020120	BEEF FRESH/CHILLED - CUTS WITH BONE	Japan	50%	0.252	0.451	0.790	1.277	2.397
		Korea, South	40%	0.000	0.000	0.174	0.897	0.067
		EU 15	12.8% + e 1414 - 2652/t	1.307	1.741	0.000	0.018	0.127
020130	BEEF FRESH/CHILLED - CUTS BONELESS	Japan	50%	5.022	5.877	18.454	22.676	30.689
		EU 15	12.8% + e 3034/t	0.306	0.248	0.736	1.240	2.297
		Taiwan	NT \$10/kg	0.382	0.441	0.696	1.005	1.613
		Korea, South	40%	0.000	0.000	0.393	2.481	0.378
		Switzerland	fr 2212/100kg	0.000	0.016	0.062	0.660	0.372
	Hong Kong	0%	0.505	0.561	0.370	0.565	0.149	
020210	BEEF FRESH/CHILLED - CARCASS,WHOLE/HALF	Korea, South	40%	0.000	0.000	0.000	0.540	0.059
020220	BEEF, FROZEN - CUTS WITH BONE	Korea, South	40%	5.169	4.854	9.592	32.634	10.063
		Taiwan	NT \$10/kg	1.791	2.153	2.229	5.779	8.864
		Japan	50%	4.712	4.746	2.082	1.692	3.006
		Hong Kong	0%	0.178	0.338	0.325	1.392	1.268
020230	BEEF, FROZEN - CUTS BONELESS	Japan	50%	20.824	27.671	21.676	30.114	43.489
		Korea, South	40%	7.567	6.497	19.682	33.164	7.098
		Taiwan	NT \$10/kg	1.441	1.905	2.159	2.650	1.990
		Malta	40%+900 Lm/t	0.000	0.000	0.000	0.063	1.343
		Hong Kong	0%	0.422	0.347	0.519	0.960	0.737
020312	PORK - FRESH CUTS+BONES	Japan	0 - 4.3% OR 482 yen/kg	0.200	0.809	0.368	0.205	0.492
020319	PORK - FRESH CUTS BONELESS	Japan	0 - 4.3% OR 482 yen/kg	19.102	7.981	12.561	38.369	55.184
020321	PORK - FROZEN CARCASSES	Japan	0 - 4.3% OR 361 yen/kg	0.000	0.000	0.091	0.000	0.644
020322	PORK - FROZEN CUTS+BONES	Japan	0 - 4.3% OR 482 yen/kg	0.021	0.085	0.021	1.301	0.726
		Australia	0%	0.628	0.000	0.000	0.000	0.107
020329	PORK - FROZEN CUTS NO BONE	Japan	0 - 4.3% OR 482 yen/kg	15.515	11.009	16.510	39.983	55.757
		Korea, South	25%	11.421	0.513	1.805	0.650	2.985
		Australia	0%	1.364	0.000	0.254	0.188	1.534
		Russia	n.a.	0.956	0.293	0.000	0.000	0.582
		Taiwan	12.5 - 50%	0.000	0.032	0.559	0.090	0.042
		New Zealand	8.5%	1.088	0.029	0.207	0.170	0.038
		Philippines	40%	0.526	0.072	0.180	0.390	0.271
020500	HORSES,ASSES,MULES	EU 15	5%	31.959	31.293	28.793	24.708	36.338
		Japan	0%	17.466	19.452	19.347	17.192	17.095
		Switzerland	fr 1459/100kg	9.359	10.727	10.234	9.010	11.069
		Czech Rep.	0%	0.000	0.583	0.000	0.000	0.000
020610	EDIBLE ANIMAL OFFAL - FRESH BOVINE	Japan	12.8 - 50%	0.000	0.007	1.356	1.341	4.050
020621	EDIBLE ANIMAL OFFAL - FRZN BOVINE TONGUES	Japan	12.8%	9.856	16.403	15.787	28.209	35.833
020622	EDIBLE ANIMAL OFFAL - FROZEN BOVINE LIVER	Peru	30%	1.594	1.834	0.930	1.502	3.042
		Russia	n.a.	0.449	0.431	0.598	0.962	2.269
		Cuba	40%	0.000	0.000	0.148	0.241	1.678
		Venezuela	90%	0.000	0.000	0.257	0.336	0.685

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
020629	EDIBLE ANIMAL OFFAL - FROZEN OTHER BOVINE	Japan	12.8 - 50%	5.257	9.688	4.815	6.339	5.452
		Korea, South	18%	0.389	0.348	1.852	4.712	3.499
		Hong Kong	0%	1.502	1.961	1.566	1.606	2.632
		China	12%	0.430	0.339	0.282	0.621	0.637
020649	EDIBLE ANIMAL OFFAL - FROZEN SWINE OTHER	Japan	4.3 - 8.5% OR 482 yen/kg	2.675	1.031	1.111	1.426	2.538
		Russia	n.a.	0.341	0.000	0.000	0.000	0.846
		Hong Kong	0%	2.019	0.309	0.263	0.149	0.371
020714	POULTRY MEAT, OFFAL - CHCK CUT+ED OFL,FRZ	Cuba	40%	0.160	0.929	0.497	1.072	0.974
		China	10%	0.903	0.381	0.093	0.177	0.611
		Hong Kong	0%	0.214	0.107	0.056	0.657	0.062
020900	PIG AND POULTRY FAT	Japan	6%	3.399	0.236	1.503	1.744	1.877

Table 4. Alberta's Annual Chapter 2 Export Values to Non-FTA Countries
1996 - 2001 (\$ millions) - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
020120	BEEF FRESH/CHILLED - CUTS WITH BONE	1.407	1.565	2.192	1.055	2.406	2.738
020130	BEEF FRESH/CHILLED - CUTS BONELESS	3.293	6.215	7.144	20.757	28.825	36.055
020210	BEEF FRESH/CHILLED - CARCASS,WHOLE/HALF	0.000	0.000	0.080	0.086	0.879	0.216
020220	BEEF, FROZEN - CUTS WITH BONE	7.534	11.856	12.097	14.247	41.468	23.395
020230	BEEF, FROZEN - CUTS BONELESS	12.608	30.624	36.709	44.383	67.406	55.505
020312	PORK - FRESH CUTS+BONES	0.142	0.336	0.809	0.787	0.205	0.552
020319	PORK - FRESH CUTS BONELESS	6.341	22.075	7.981	12.598	38.375	55.253
020321	PORK - FROZEN CARCASSES	2.264	0.000	0.000	0.298	0.000	0.644
020322	PORK - FROZEN CUTS+BONES	0.348	0.811	0.105	0.596	1.428	1.441
020329	PORK - FROZEN CUT BONELESS	19.920	31.987	12.605	19.630	42.098	61.392
020500	HORSES,ASSES,MULES	47.765	59.365	62.501	58.422	50.933	64.573
020610	EDIBLE ANIMAL OFFAL - FRESH BOVINE	0.735	0.000	0.007	1.356	1.342	4.050
020621	EDIBLE ANIMAL OFFAL - FRZN BOVINE TONGUES	15.668	9.930	16.460	15.867	28.209	35.835
020622	EDIBLE ANIMAL OFFAL - FROZEN BOVINE LIVER	3.088	2.493	3.102	3.216	3.626	8.364
020629	EDIBLE ANIMAL OFFAL - FROZEN OTHER BOVINE	10.061	8.812	12.766	9.538	14.129	13.248
020649	EDIBLE ANIMAL OFFAL - FROZEN SWINE OTHER	5.295	6.674	2.029	1.680	2.199	5.024
020714	POULTRY MEAT, OFFAL - CHCK CUT+ED OFL,FRZ	0.819	1.428	1.668	1.496	2.388	2.292
020900	PIG AND POULTRY FAT	3.288	3.450	0.289	1.582	1.998	2.235

Exports from Alberta in Chapter 2 were mainly fresh and frozen cuts of beef and pork as well as horsemeat. Asian countries remained the most important export destination for meat products of beef and pork while the major portion of horsemeat was exported to Europe followed by Japan. Among the Asian countries, Japan has maintained its primary position for pork meat exports and fresh beef and the value of exports to Japan increased considerably in 2001 for most product categories, including frozen bovine tongues. Beef exports face high tariffs in their major export destinations, 50% in Japan and 40% in South Korea, whereas tariffs for pork are considerably lower with 0 - 4.3% in Japan and 25% in South Korea. Since beef exports from Alberta to non-FTA countries have decreased in 2001, tariff reduction in major export destinations might be advantageous for Alberta's meat exports.

Figure 2. Alberta's Chapter 2 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 – 2001 - Selected Products

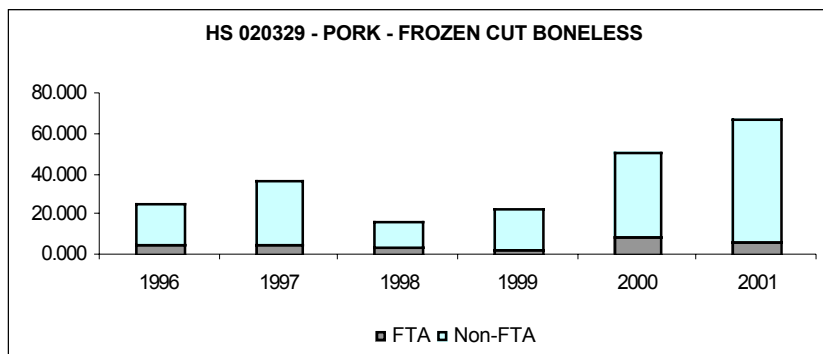
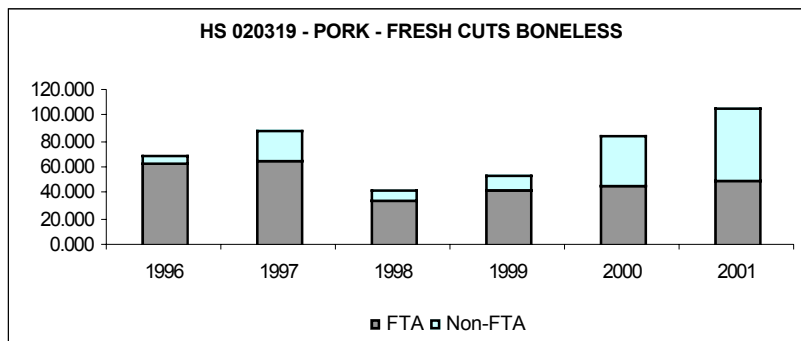
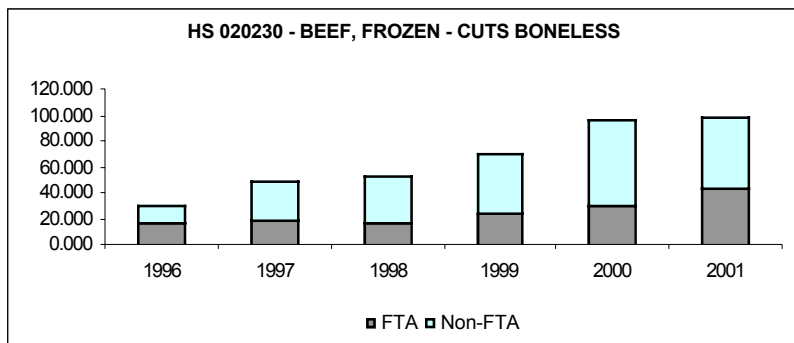
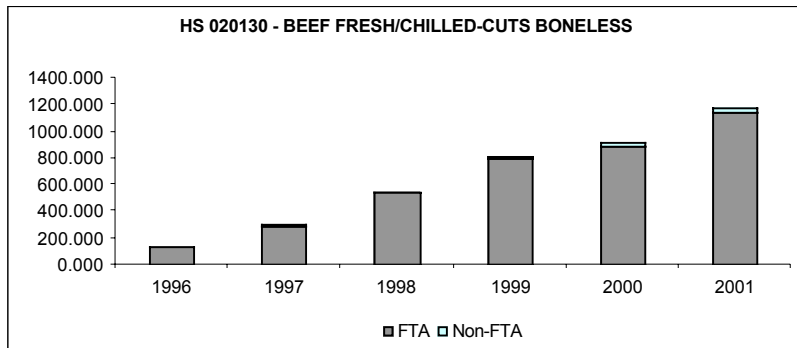
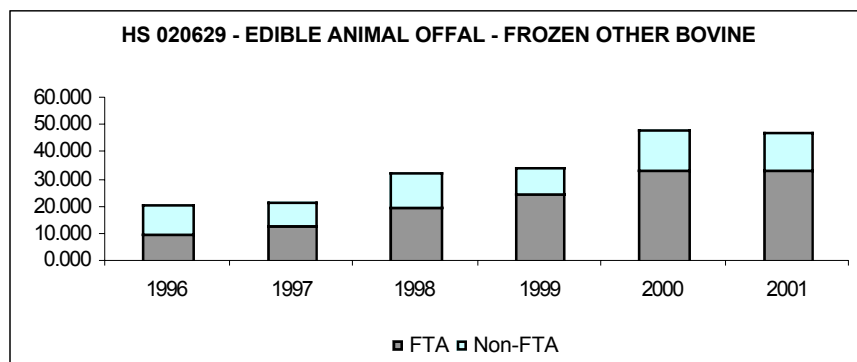
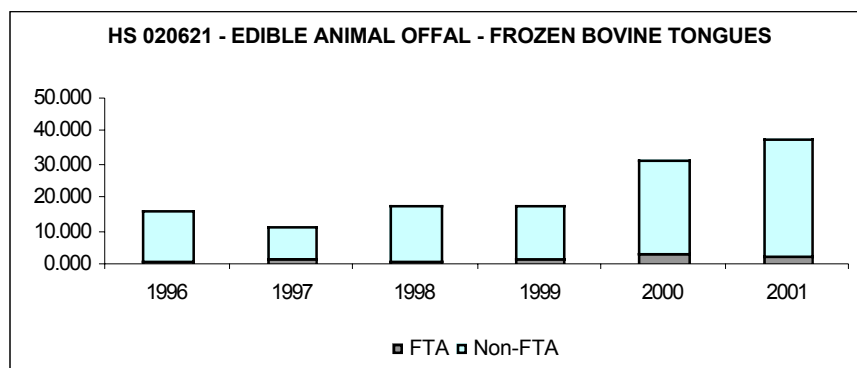
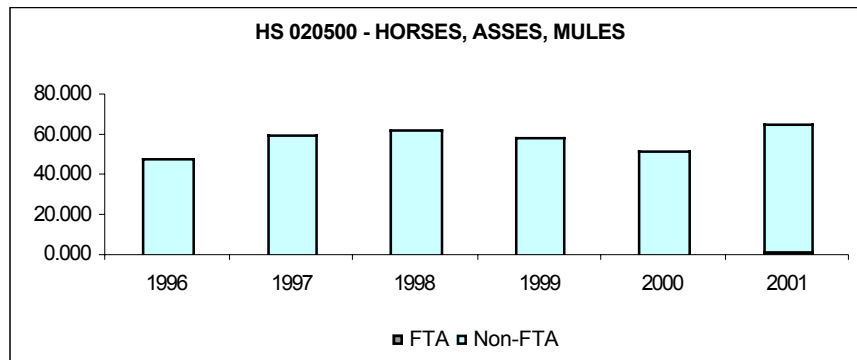


Figure 2. Alberta's Chapter 2 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 – 2001 - Selected Products (continued)



HS Chapter 4 - Dairy, Eggs, Honey, Etc.

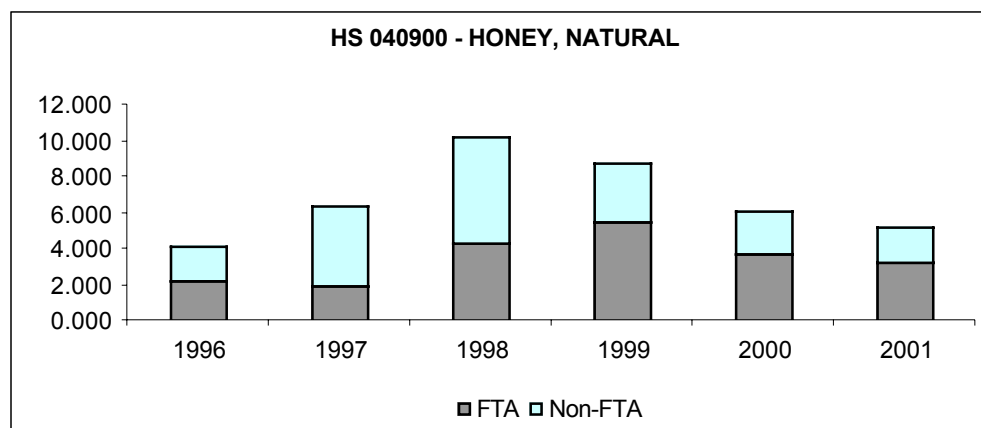
Table 5. Bound Tariff Summary: Chapter 4 – Selected Markets
1996 - 2001 Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
040210	MILK, CREAM CONC, SWEET - NOT OVER 1.5% FAT	Japan	21.3 - 29.8% + 396 yen/kg	0.597	0.000	0.000	0.396	1.259
		Cuba	40%	0.149	0.371	0.142	0.000	0.000
		Thailand	216%	0.551	0.000	0.000	0.000	0.000
040410	WHEY, OTHER MILK PRODS - WHEY	Japan	21.3 - 28.8% + 425 - 687 yen/kg	0.000	0.000	0.000	0.572	0.301
040900	HONEY, NATURAL	EU 15	17.3%	3.810	5.315	3.013	1.912	1.104
		Japan	25.5%	0.414	0.664	0.316	0.430	0.519

Table 6. Alberta's Annual Chapter 4 Export Values to Non-FTA Countries
1996 - 2001 (\$ millions)

HS Code	Description	1996	1997	1998	1999	2000	2001
040210	MILK, CREAM CONC, SWEET - NOT OVER 1.5% FAT	1.025	3.485	0.225	0.142	0.396	1.828
040410	WHEY, OTHER MILK PRODS - WHEY	0.000	0.000	0.000	0.000	0.898	0.544
040900	HONEY, NATURAL	1.951	4.465	6.025	3.329	2.343	1.875

Figure 3. Alberta's Chapter 4 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 – 2001 - Selected Products



HS Chapter 5 - Other Products of Animal Origin

Table 7. Bound Tariff Summary: Chapter 5 – Selected Markets
1996 - 2001 Exports Values - \$ millions

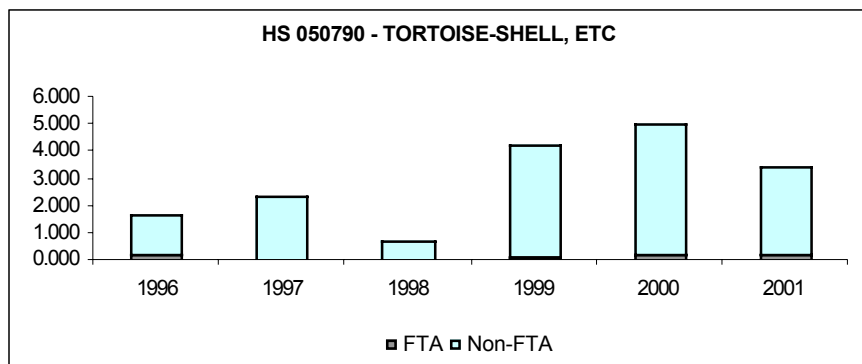
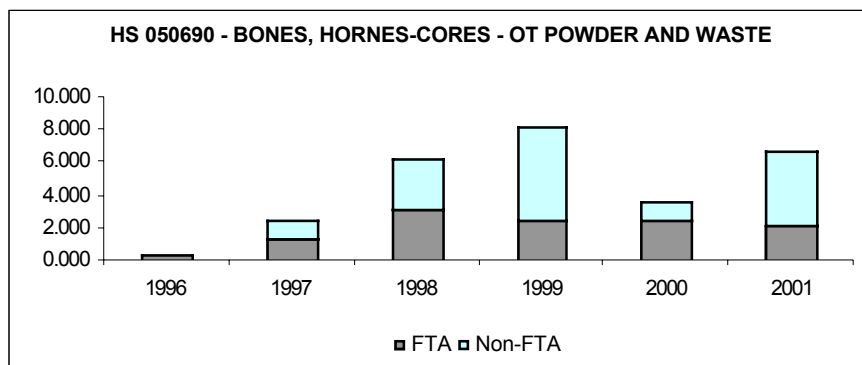
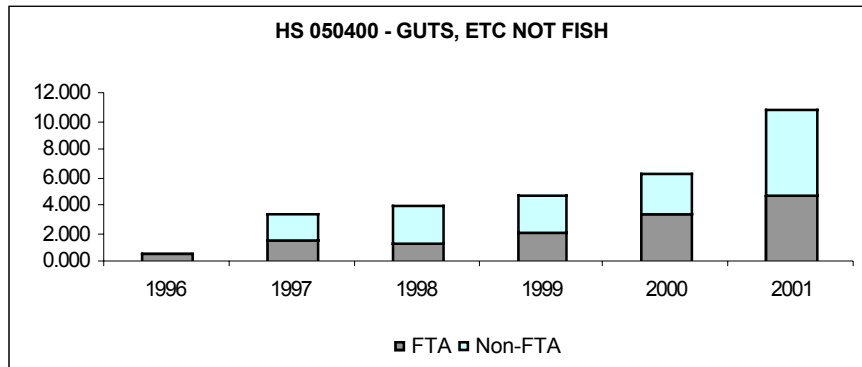
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
050400	GUTS,ETC,NOT FISH	Japan	0%	0.269	0.922	0.693	0.986	2.721
		Hong Kong	0%	0.242	0.000	0.062	0.591	1.971
		Malaysia	0%	0.398	0.293	0.000	0.099	0.919
		Poland	19%	0.945	1.528	1.722	0.655	0.000
050690	BONES, HORNS-CORES - OT POWDER AND WASTE	Thailand	30%	0.102	1.096	1.004	0.309	2.905
		Japan	0%	0.873	1.816	4.138	0.191	1.522
		Taiwan	0 - 2.5%	0.000	0.133	0.644	0.548	0.053
050790	IVORY, TORTOIS, WHL - TORTOISE-SHELL,ETC	China	3 - 11%	0.000	0.000	0.122	0.225	1.829
		Hong Kong	0%	0.522	0.257	0.546	0.509	1.476
		Korea, South	19.7 - 36%	1.840	0.392	2.107	2.870	0.000
		New Zealand	0%	0.000	0.000	1.330	1.245	0.000
051110	OTHER ANIMAL - BOVINE SEMEN	Australia	1%	0.641	0.379	0.409	0.118	0.178

Table 8. Alberta's Annual Chapter 5 Export Values to Non-FTA Countries
1996 - 2001 (\$ millions) - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
050400	GUTS,ETC,NOT FISH	0.000	1.853	2.827	2.727	2.972	6.064
050690	BONES, HORNS-CORES - OT POWDER AND WASTE	0.000	1.134	3.046	5.824	1.116	4.580
050790	IVORY, TORTOIS, WHL, ETC. - TORTOISE-SHELL,ETC	1.512	2.362	0.650	4.162	4.876	3.305
051110	OTHER ANIMAL - BOVINE SEMEN	1.157	1.723	1.028	0.952	0.739	1.398

Shipments from Alberta to non-FTA nations in chapter 5 were mainly comprised of animal guts (excluding fish), bone and horns, all of which have grown over the past years. The main destination for these products was Asia, where they faced high bound tariffs in Thailand, South Korea and China, while Japan, Hong Kong and Malaysia have no tariffs. Even in countries with high tariffs exports were growing, which makes these duties recommended for tariff reduction.

Figure 4. Alberta's Chapter 5 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 7 - Vegetables

Table 9. Bound Tariff Summary: Chapter 7 – Selected Markets
1996 - 2001 Exports Values - \$ millions

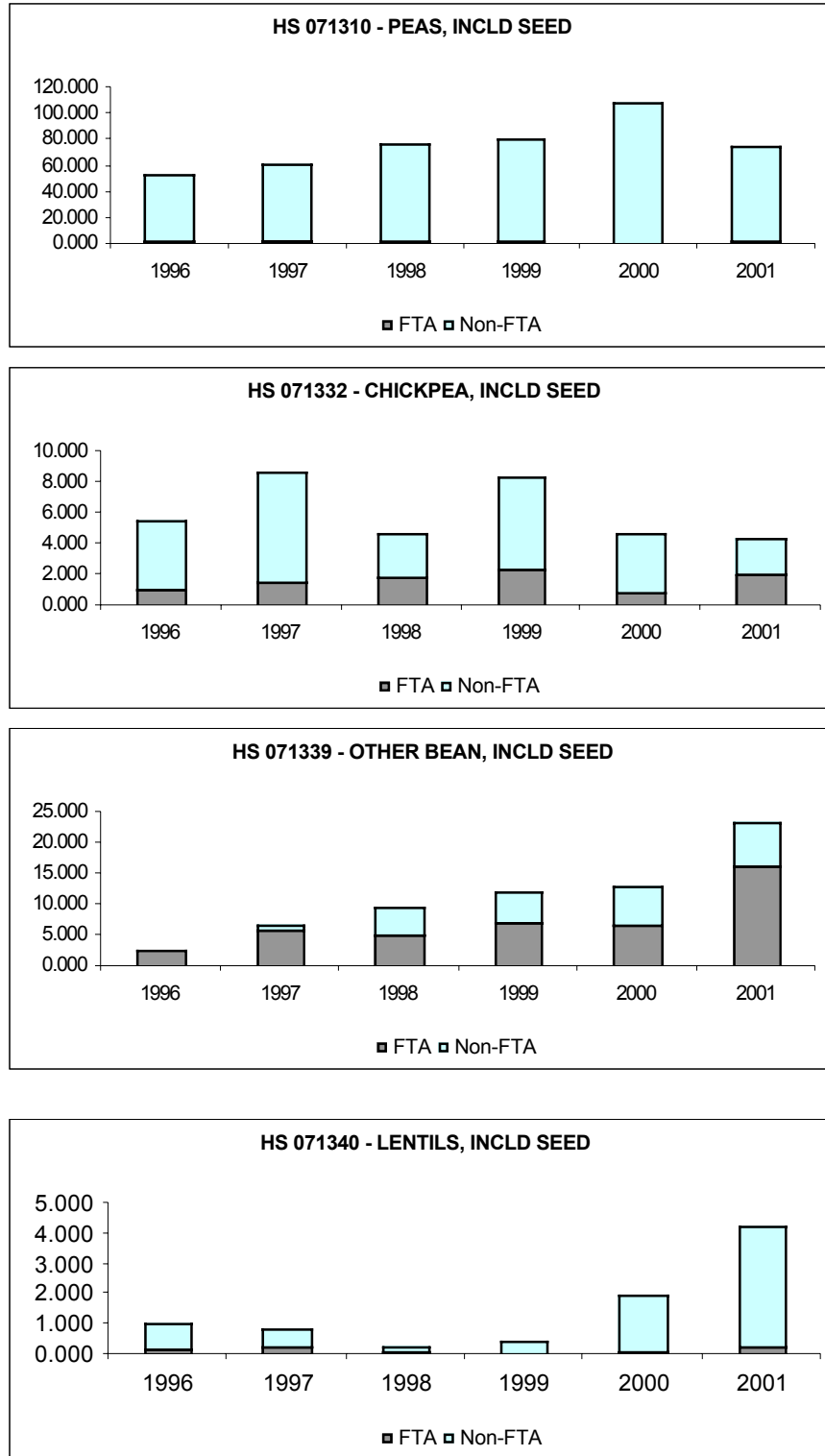
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
071310	LEGUM VEG,DRIED - PEAS,INCLUDING SEED	India	100%	5.308	30.448	13.716	30.474	25.814
		Bangladesh	200%	2.081	9.434	31.027	31.946	20.638
		EU 15	0%	22.561	13.543	11.868	20.680	10.386
		China	0 - 5%	6.138	2.218	2.658	4.627	6.245
		Cuba	40%	11.164	15.190	7.038	2.084	4.539
		Pakistan	100%	0.035	0.201	0.520	6.530	2.151
		Philippines	15 - 40%	1.148	0.186	0.623	0.322	1.116
		Peru	30%	0.021	0.000	0.058	0.007	0.986
		Japan	0 - 6% OR 354 yen/kg	8.634	1.899	1.744	3.513	0.764
		Colombia	15 - 70%	1.526	0.567	0.111	1.444	0.518
		Australia	0%	0.000	0.000	4.930	2.688	0.000
		Ethiopia	n.a.	0.000	0.000	0.969	0.000	0.000
		Singapore	10%	0.000	0.000	1.644	0.000	0.000
		Malaysia	0%	0.000	0.869	1.885	0.000	0.209
071320	LEGUM VEG,DRIED - CHICKPEA,INCLD SEED	Colombia	70%	0.000	0.000	0.000	1.031	0.404
		Pakistan	100%	0.000	0.000	0.000	0.650	0.042
071332	LEGUM VEG,DRIED- BEAN,SMALL,RED,SEED	Colombia	178%	7.142	2.206	5.597	3.635	2.087
		Costa Rica	45%	1.169	1.291	0.318	0.000	0.000
071333	LEGUM VEG,DRIED - BEAN,KIDNEY,WHITE+S	Colombia	178%	0.000	0.036	0.497	0.553	0.000
		Brazil	20 - 35%	0.000	0.638	0.000	0.017	0.000
		Dominic. Rep.	40%	1.333	0.000	0.000	0.000	0.000
		Venezuela	n.a.	0.955	0.146	0.0342	0.347	0.133
071339	LEGUM VEG,DRIED - OTHER BEAN,INC SEED	EU 15	0%	0.233	0.814	1.504	2.768	5.126
		Turkey	19.3%	0.000	0.046	0.000	1.089	0.000
		Dominic. Rep.	40%	0.106	0.844	2.678	0.897	0.438
		Algeria	n.a.	0.000	0.779	0.000	0.775	0.354
		Haiti	n.a.	0.000	1.281	0.000	0.000	0.000
071340	LEGUM VEG,DRIED - LENTILS,INCLUD SEED	India	100%	0.000	0.000	0.000	0.531	2.622
		Nicaragua	40%	0.000	0.000	0.000	0.000	0.650

Table 10. Alberta's Annual Chapter 7 Export Values to Non-FTA Countries
1996 – 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
071310	LEGUM VEG,DRIED,SHELD PEAS, INCLUDING SEED	50.813	59.520	75.356	79.620	107.161	74.037
071320	LEGUM VEG,DRIED,SHELD CHICKPEA,INCLD SEED	0.000	0.000	0.019	0.010	2.682	1.150
071332	LEGUM VEG,DRIED,SHELD BEAN,SMALL,RED+SEED	4.411	7.257	2.703	6.028	3.799	2.285
071333	LEGUM VEG,DRIED,SHELD BEAN,KIDNEY,WHITE+S	0.256	2.705	0.891	0.608	1.049	0.244
071339	LEGUM VEG,DRIED,SHELD OTHER BEAN,INC SEED	0.000	0.991	4.513	5.024	6.079	7.136
071340	LEGUM VEG,DRIED,SHELD LENTILS,INCLUD SEED	0.861	0.564	0.201	0.430	1.841	4.007

Alberta's Chapter 7 exports were mainly comprised of exports of peas. Although exports of beans and lentils have increased over the past years, they remain much smaller than pea exports. Peas, chickpeas and lentils were mainly exported to non-FTA nations. Major import destinations for peas were India, Bangladesh and the EU, followed by Cuba, China and Pakistan. Except for the EU and China, bound tariffs are high in all countries, reaching 100% in India, 200% in Bangladesh, 100% in Pakistan and 40% in Cuba. China has recently decreased its bound tariff for peas from 13.5% in 1999 to 0 - 5% in 2001.

Figure 5. Alberta's Chapter 7 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 10 - Cereals

Table 11. Bound Tariff Summary: Chapter 10 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001		
100110	WHEAT, DURUM	Algeria	n.a.	66.966	92.617	75.428	75.478	42.660		
		Morocco	34 - 170%	9.656	16.275	17.666	28.629	32.795		
		EU 15	e 148/MT	35.819	24.200	15.079	8.534	21.734		
		Venezuela	117%	9.395	10.503	12.339	17.084	20.844		
		Japan	55 yen/kg	8.033	6.287	9.518	9.010	11.368		
		Tunisia	80%	3.665	1.619	1.286	0.000	8.844		
		Peru	30 - 68%	8.026	5.328	6.972	3.765	8.337		
		Iran	n.a.	0.405	0.000	1.289	2.617	6.936		
		Poland	25%	1.429	2.554	3.073	0.980	1.966		
		Switzerland	fr 0.5 - 74/100kg	0.790	0.899	1.852	0.975	1.620		
		Guatemala	112%	0.540	0.629	1.235	0.603	1.473		
		Dominican Rep.	40%	0.000	0.008	0.358	0.213	1.007		
		Indonesia	27%	0.899	0.000	0.270	0.435	0.884		
		Lybia	n.a.	10.531	1.414	6.467	1.603	0.000		
		Brazil	0 - 55%	1.637	0.449	0.340	0.534	0.000		
		Ecuador	5 - 36%	0.212	11.994	0.000	0.419	0.461		
		Argentina	n.a.	0.000	4.247	0.000	0.000	0.000		
		Colombia	124%	0.162	4.146	0.121	0.488	0.489		
		Turkey	180%	1.734	0.000	0.000	0.000	0.000		
		Norway	347% + 2.13 NOK	1.051	0.268	0.523	0.179	0.000		
		100190	MESLIN, NONDURUM WHT	Iran	n.a.	194.710	58.189	102.493	185.924	133.220
				Japan	55 yen/kg	88.978	84.348	89.809	89.830	103.044
				EU 15	13% + e 95/MT	44.581	62.885	73.611	66.335	67.823
Philippines	30%			30.131	22.989	27.581	39.930	57.786		
Indonesia	27%			97.169	74.200	46.321	48.884	48.198		
Colombia	124%			32.059	39.283	22.600	32.330	47.904		
China	65%			84.265	63.314	16.752	37.076	47.269		
Venezuela	117%			28.889	24.483	30.202	34.473	39.283		
Korea, South	1.8 - 9%			50.688	8.414	8.831	21.530	23.547		
Nigeria	150%			16.640	12.336	2.152	12.639	23.396		
Ecuador	5 - 36%			5.404	15.525	12.630	17.239	21.246		
Guatemala	106%			10.345	22.952	23.290	20.428	20.311		
Egypt	5%			0.000	0.466	4.038	2.228	20.208		
Peru	30 - 68%			32.095	16.464	13.511	27.546	19.587		
Thailand	27%			9.930	6.581	6.480	11.068	19.090		
Bangladesh	200%			21.596	18.041	16.493	7.344	17.151		
Morocco	34 - 170%			5.720	7.662	5.173	11.925	16.448		
U. A. Emirates	15%			25.478	48.826	15.190	24.141	15.076		
Sudan	n.a.			4.757	8.337	1.895	2.246	14.476		
Ghana	40%			9.464	10.274	5.327	11.960	14.383		
100190	MESLIN, NONDURUM WHT			Malaysia	0%	20.348	18.320	21.691	20.588	12.566
				Cameroon	80%	0.000	5.444	4.817	5.403	8.874
				Cuba	40%	4.237	3.924	5.220	8.560	8.540
		Togo	80%	3.076	8.876	6.481	4.407	6.625		
		Dominican Rep.	40%	1.009	0.518	1.434	2.826	4.505		
		New Zealand	0%	1.009	0.518	5.104	2.388	3.979		
		Sri Lanka	50%	7.057	3.368	10.440	10.034	3.774		
		Vietnam	n.a.	0.968	1.200	0.000	0.000	3.755		
		Brazil	0 - 55%	53.118	26.377	10.450	9.126	3.279		
		Mozambique	100%	1.431	2.220	1.661	0.584	2.558		
		Ethiopia	n.a.	1.941	3.299	2.983	1.825	2.037		
		Turkey	180%	16.647	5.359	7.356	2.333	1.976		
		Jamaica	100%	0.000	0.000	0.427	0.968	1.851		
		Algeria	n.a.	33.863	1.636	0.000	0.000	0.000		
		India	100%	17.164	1.533	0.000	0.000	0.000		

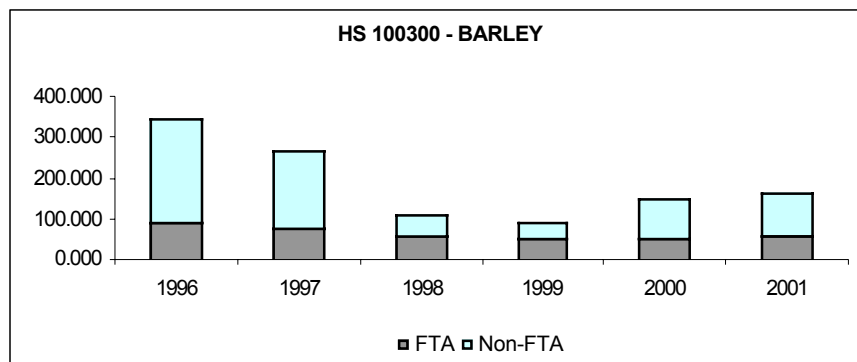
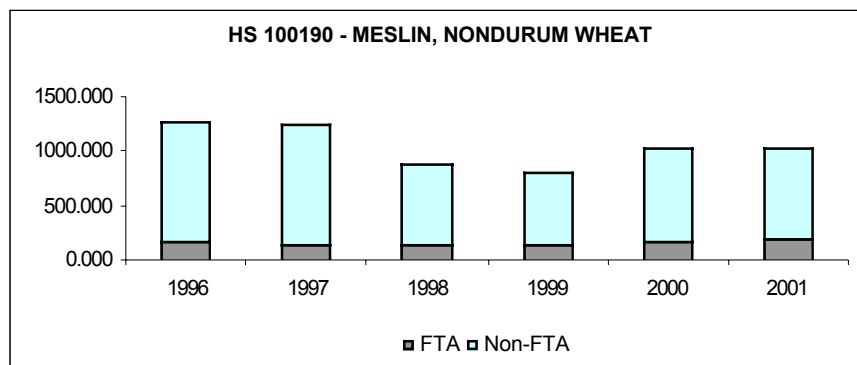
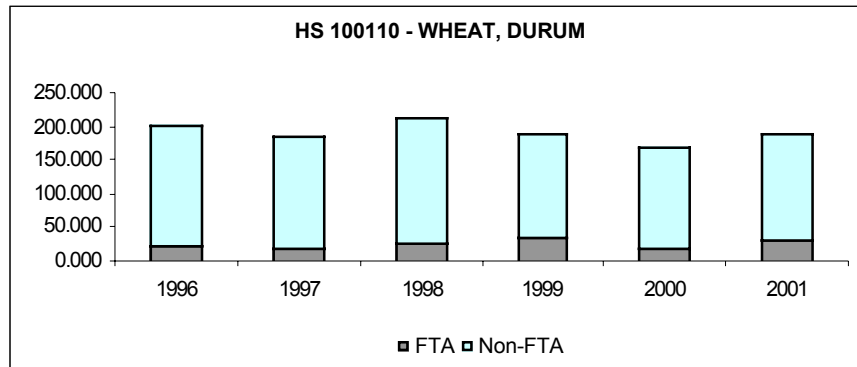
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
100190 (contd)		Malta	40% + LM 150/t	0.535	0.619	0.000	0.000	0.000
		Switzerland	fr 0 - 76/100kg	0.898	1.296	1.052	2.303	1.699
		Ivory Coast	15%	0.000	1.647	0.405	2.380	1.447
		Yemen	n.a.	0.000	0.000	0.000	0.000	1.397
		Cyprus	25% + CL 87/t	0.000	1.778	0.831	1.006	1.292
		Haiti	16%	0.000	0.000	1.613	1.101	1.061
		Somalia	n.a.	0.000	0.000	0.000	0.000	1.034
		Bolivia	40%	3.435	0.880	0.702	3.499	0.816
		El Salvador	30%	1.132	1.386	0.000	0.000	0.669
		Senegal	30%	0.000	2.802	0.371	0.548	0.647
		Singapore	10%	0.527	0.181	0.759	0.599	0.600
		Iraq	n.a.	0.000	0.000	10.223	23.655	0.000
		South Africa	72%	10.549	16.738	8.739	13.487	0.000
		Korea, North	n.a.	1.472	1.045	0.000	6.434	0.000
		Taiwan	6.5%	2.383	0.005	2.415	2.365	0.000
		Pakistan	150%	62.961	23.332	14.006	0.000	0.000
		Djibouti	40%	0.000	0.000	0.757	0.000	0.000
		Norway	347% + 2.1 NOK	2.103	0.001	2.497	1.068	0.006
		Slovenia	4.5% + e 87/t	0.000	0.000	2.497	1.068	0.006
		Swaziland	72%	0.000	0.843	1.079	0.380	0.000
		Lebanon	n.a.	2.482	0.688	1.877	0.000	0.000
		Tanzania	120%	1.538	1.595	1.156	0.000	0.000
		Kenya	100%	6.871	1.981	1.005	1.097	0.000
	Namibia	72%	0.000	1.288	1.428	1.098	0.000	
	Tunisia	100%	4.740	0.000	0.000	0.000	0.054	
100200	RYE IN GRAIN	Japan	0 - 4.2%	2.411	0.006	0.028	0.097	0.312
100300	BARLEY	China	3%	60.099	28.487	18.140	37.722	66.295
		Japan	39 yen/kg	38.294	15.209	16.206	27.429	14.082
		Saudi Arabia	n.a.	74.240	3.088	0.000	18.012	9.948
		Iran	n.a.	6.183	0.000	0.000	4.243	5.071
		South Africa	41%	0.000	0.000	0.000	2.145	4.884
100300	BARLEY	Korea, South	229.7 - 513%	2.893	0.000	0.000	1.857	1.446
		Colombia	144%	0.665	0.000	0.000	0.015	0.857
		EU 15	e 93/t	0.024	0.011	0.074	0.014	0.705
		U. A. Emirates	15%	2.551	0.000	0.000	4.153	0.000
		Morocco	19 - 113%	0.000	0.000	0.000	1.113	0.000
		Tunisia	75%	0.823	0.000	0.000	0.767	0.000
		Hong Kong	0%	0.000	3.907	5.863	0.000	0.000
		Argentina	35%	3.048	0.470	0.000	0.000	0.000
		Lybia	n.a.	2.402	0.000	0.000	0.000	0.000
100400	OATS	Japan	0 - 8.5%	0.551	0.888	0.195	0.493	0.371
		Korea, South	9 - 554.8%	0.593	0.219	0.130	0.102	0.051
100830	CANARY SEED	EU 15	e 14/t	2.231	1.494	1.277	1.026	1.085

Table 12. Alberta's Annual Chapter 10 Export Values to Non-FTA Countries
1996 – 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
100110	WHEAT, DURUM	179.332	163.167	185.658	155.317	152.274	161.881
100190	MESLIN, NONDURUM WHT	1110.900	1088.043	751.865	656.353	837.162	845.224
100200	RYE IN GRAIN	4.543	3.054	0.251	0.318	0.439	0.689
100300	BARLEY	256.962	191.678	51.172	40.572	97.804	103.940
100830	CANARY SEED	0.293	2.325	1.614	1.277	1.141	1.219
100400	OATS	2.779	1.513	1.660	0.459	0.776	0.777

Non-durum and durum wheat were by far the most important export products from Alberta in Chapter 10. Both were primarily exported to non-FTA countries, with Algeria, Morocco, the EU and Venezuela as the most important destinations for durum wheat and Iran, Japan and the EU for non-durum wheat. Barley, the third major export category in this chapter, was mainly exported to China. The export value of all three major products has increased in 2001, but still remained below the export levels of 1996. In addition to the above mentioned countries, all three cereals were exported to a large number of different countries around the world. There is a wide variation in bound tariffs between export destination, but tariffs are generally high and reach up to 347% in Norway, 200% in Bangladesh, 180% in Turkey, 170% in Morocco, 124% in Colombia, 150% in Nigeria, 124% in Columbia and 117% in Venezuela. Reduction of the particularly high tariffs for exports in Chapter 10 could be a target in future negotiations.

Figure 6. Alberta's Chapter 10 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 11 - Milling; Malt; Starch

Table 13. Bound Tariff Summary: Chapter 11 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
110100	WHEAT/MESLIN FLOUR	Hong Kong	0%	1.758	1.288	1.539	2.208	2.113
		Japan	90 yen/kg	0.416	0.147	0.261	0.906	1.901
110312	GROATS, MEAL OF OATS	Guatemala	40%	0.114	0.000	0.407	0.808	1.421
		Venezuela	117%	0.000	0.327	0.380	0.987	1.289
		Dominican Rep.	40%	0.000	0.000	0.053	1.105	1.274
		Jamaica	100%	0.000	0.000	0.095	0.391	0.684
		Peru	30%	1.274	0.555	0.190	1.074	0.149
		Nicaragua	n.a.	0.653	0.550	0.520	0.029	0.000
110412	OATS, ROLLED/FLAKED	Columbia	195%	0.695	0.104	0.028	0.015	0.125
		Venezuela	117%	0.000	0.069	0.211	0.550	0.501
110412	OATS, ROLLED/FLAKED	Panama	n.a.	0.944	0.745	0.430	0.518	0.069
		Guatemala	40%	0.380	0.750	0.378	0.183	0.152
		Philippines	20%	1.155	0.127	0.311	0.100	0.000
110510	POTATO,FLOUR,MEAL	Philippines	20%	1.155	0.127	0.311	0.100	0.000
110710	MALT, NOT ROASTED	Japan	21.3 yen/kg	47.233	42.390	32.847	48.727	71.678
		Korea, South	269%	5.533	8.245	3.090	4.891	10.356
		South Africa	33 - 99%	0.000	6.750	5.010	2.662	8.231
		Brazil	9 - 35%	10.256	9.693	9.049	7.201	3.846
		Singapore	10%	0.842	0.945	0.307	0.423	0.578
		Guatemala	10%	0.270	0.000	0.742	1.127	0.000
		El Salvador	20%	1.493	0.645	0.000	0.929	0.000
		Philippines	n.a.	2.909	1.086	0.551	0.000	0.000
		Columbia	129%	6.935	0.000	0.000	0.000	0.000
		Panama	n.a.	2.713	0.000	0.000	0.000	0.000
110720	MALT, ROASTED	Australia	1%	0.672	0.442	0.000	0.000	0.000
		Japan	21.3 yen/kg	0.000	0.734	0.000	0.000	0.002

Table 14. Alberta's Annual Chapter 11 Export Values to Non-FTA Countries
1996 - 2001, \$ millions - Selected Products

HS	Description	1996	1997	1998	1999	2000	2001
110100	WHEAT/MESLIN FLOUR	2.531	3.203	2.106	2.219	3.513	4.214
110312	GROATS,MEAL OF OATS	4.047	3.110	1.655	1.862	4.572	5.079
110412	OATS,ROLLED/FLAKED	1.082	1.648	2.054	1.454	1.532	0.818
110510	POTATO,FLOUR,MEAL	0.094	1.209	0.154	0.311	0.100	0.000
110710	MALT, NOT ROASTED	80.949	78.856	70.318	51.673	66.088	94.937
110720	MALT, ROASTED	0.000	0.000	0.734	0.000	0.000	0.002

Malt was the most important export product from Alberta in Chapter 11 and export values have been increasing again since 2000 after they had dropped in previous years. The dominant destination for exports of malt remained Japan. Bound tariffs for malt in Japan as well as in other countries that played an important role for Alberta's exports are very high reaching 269% in South Korea, 33-99% in South Africa and up to 35% in Brazil. Similarly, high tariffs are found for other important product groups in Chapter 11, such as 90 yen/kg for wheat flour (HS 110100) in Japan and between 40 and 117% in Guatemala, the Dominican Republic and Venezuela for imports of meal of oats (HS 110312). Due to the importance of malt exports from Alberta, tariff reduction in the main export destinations could be very beneficial for total exports.

Figure 7. Alberta's Chapter 11 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

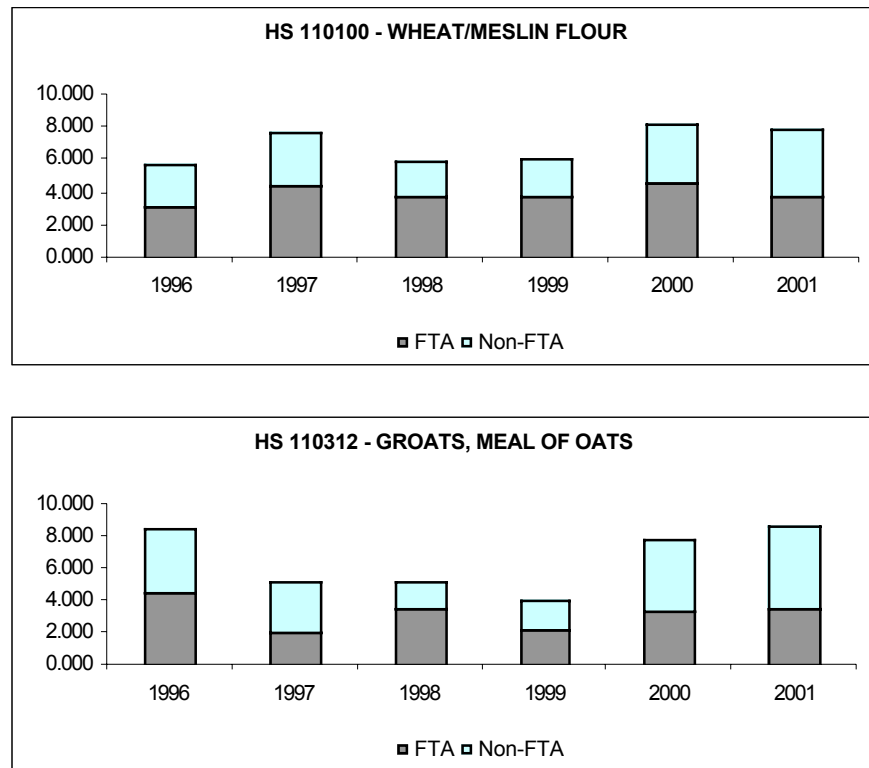
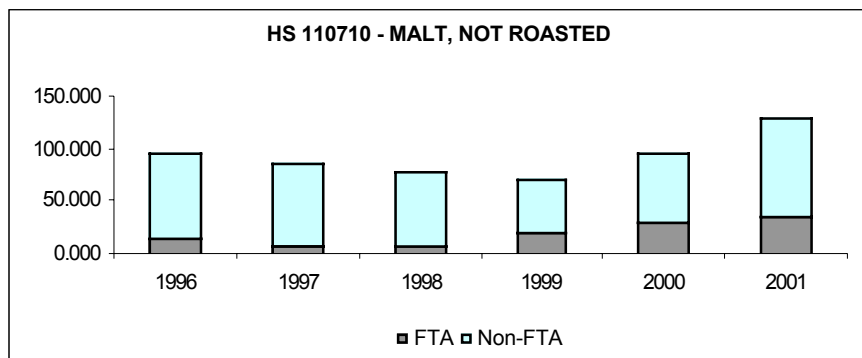
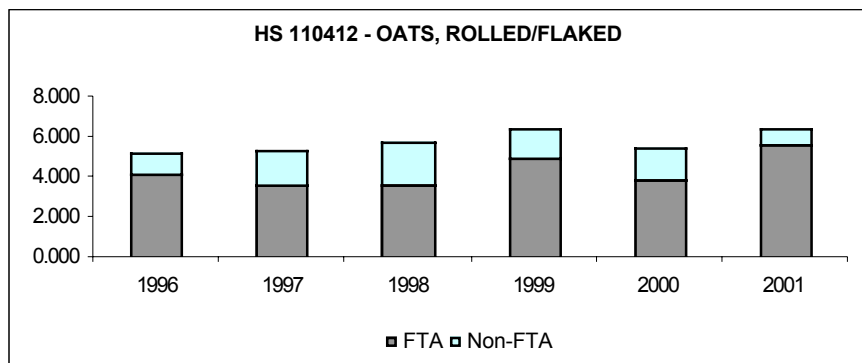
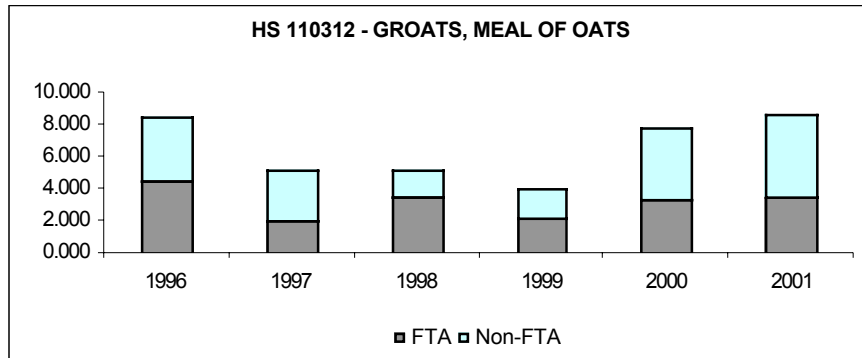


Figure 7. Alberta's Chapter 11 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 12 - Misc Grain, Seed, Fruit

Table 15. Bound Tariff Summary: Chapter 12 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
120100	SOYBEANS	Indonesia	27%	0.000	0.000	0.000	1.625	0.000
		EU 15	0%	0.000	23.187	0.000	0.000	0.000
120400	FLAXSEED (LINSEED)	EU 15	0%	4.840	5.152	2.245	3.117	4.786
		Japan	0%	0.777	0.571	0.478	0.279	0.425
120500	RAPE OR COLZA SEEDS	Japan	0%	284.416	217.957	209.827	180.699	194.605
		China	9%	0.000	141.949	135.401	102.357	129.613
		EU 15	0%	5.554	0.683	1.111	0.253	0.580
		Korea, South	20%	0.000	0.000	0.136	3.081	0.076
		Morocco	34 - 158%	0.000	3.507	0.000	0.000	0.000
		Poland	27%	0.000	1.327	0.000	0.000	0.000
		Brazil	35%	0.006	0.670	0.000	0.000	0.000
120750	OLEAGINOUS NUT/FRUIT MUSTARD SEEDS	Philippines	40%	2.486	0.000	0.000	0.000	0.000
		EU 15	0%	6.643	3.958	4.441	6.184	3.901
		Bangladesh	200%	0.000	0.000	8.360	3.432	1.526
		Japan	0%	3.082	2.180	2.234	1.894	1.221
120890	FLOUR,MEAL OF OTHER	Thailand	30%	0.064	0.000	0.228	0.652	0.267
		Japan	4.2%	0.000	0.000	0.000	0.629	2.104
120923	SOWING SEED, FRUIT, SPR FESCUE SEED	Taiwan	6% OR NT \$64/kg	0.000	0.000	0.000	0.002	0.640
		EU 15	0 - 2.5%	4.054	3.642	0.493	0.127	0.070
120925	SOWING SEED, FRUIT, SPR RYE GRASS SEED	Korea, South	n.a.	0.000	0.663	0.000	0.000	0.000
121410	FORAGE PRODUCTS - ALFALFA MEAL, PELLET	Japan	0%	19.987	7.933	13.275	8.994	28.294
		Korea, South	10%	1.833	1.501	1.661	1.138	7.102
		Taiwan	0%	2.466	3.542	1.766	2.600	2.228
121490	FORAGE PRODUCTS - NOT ALFALFA	Japan	0%	55.469	53.230	55.945	63.396	67.314
		Korea, South	18 - 100.5%	3.570	1.499	2.007	4.955	6.879
		Taiwan	0%	2.229	2.437	1.163	2.465	1.357
		China	9%	0.000	0.022	0.210	0.552	0.056
		EU 15	0 - 5.8%	0.263	0.492	0.785	0.439	0.235

Table 16. Alberta's Annual Chapter 12 Export Values to Non-FTA Countries
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
120100	SOYBEANS	0.013	0.000	23.211	0.047	1.625	0.179
120400	FLAXSEED (LINSEED)	10.691	5.862	6.147	2.895	3.719	5.347
120500	RAPE OR COLZA SEEDS	257.589	292.561	366.125	346.491	286.403	324.886
120750	OLEAGINOUS NUT/FRUIT - MUSTARD SEEDS	6.392	10.167	6.329	17.731	12.564	7.347
120890	FLOUR,MEAL OF OTHER	0.000	0.000	0.000	0.000	0.646	2.744
120923	SOWING SEED,FRUIT,SPR - FESCUE SEED	1.412	4.538	4.436	0.884	0.570	0.463
120925	SOWING SEED,FRUIT,SPR - RYE GRASS SEED	0.000	0.000	0.210	0.011	0.016	0.000
121410	FORAGE PRODUCTS - ALFALFA MEAL,PELLET	22.982	24.424	13.140	16.870	13.044	37.726
121490	FORAGE PRODUCTS - NOT ALFALFA	42.257	61.727	57.980	60.298	72.351	76.133

Exports of canola or rape seed were by far the most import exports from Alberta in Chapter 12. Similar to other products in this chapter, the export value to non-FTA countries exceeded the exports to FTA nations. Forage products, from alfalfa or other crops, were almost entirely exported to non-FTA countries. The most important export destinations for canola seed were Japan and China, both countries showing an increase in export value in 2001. While Japan has a 0% bound tariff, exports to China can be exposed to tariffs as high as 9%. The large and increasing value of canola seed exports to China indicates the importance of further reduction in the bound tariff. Forage products were mainly exported to Japan and South Korea, Japan having a 0% tariff and South Korea allowing tariffs up to 10% for alfalfa-based forage products and up to 100% for forage products not derived from alfalfa. Another important product group in Chapter 12 is mustard seed, which was mainly exported to the EU, Japan and Bangladesh, facing a bound tariff of 200% in Bangladesh.

Figure 8. Alberta's Chapter 12 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

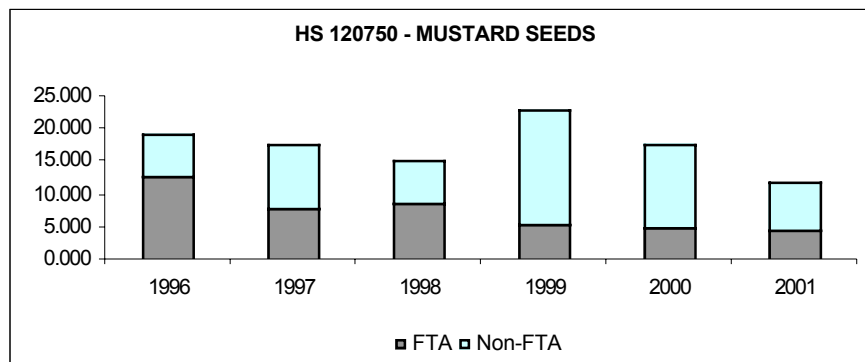
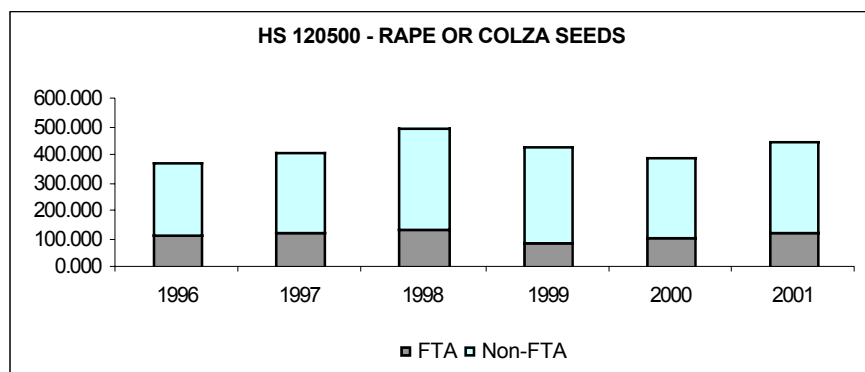
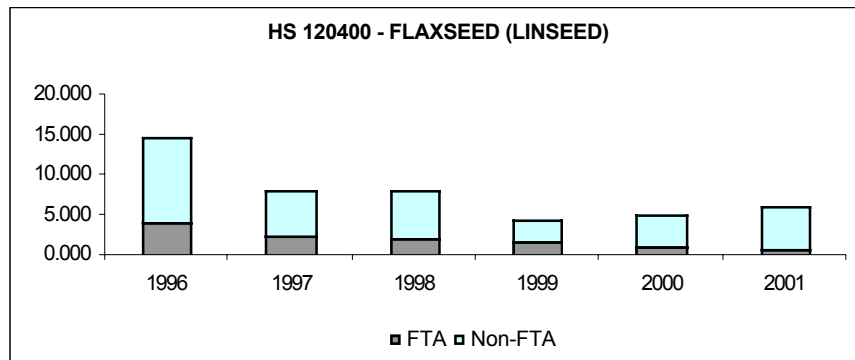
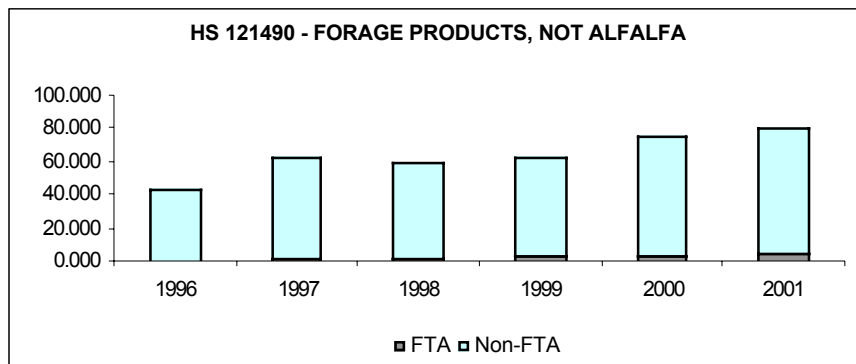
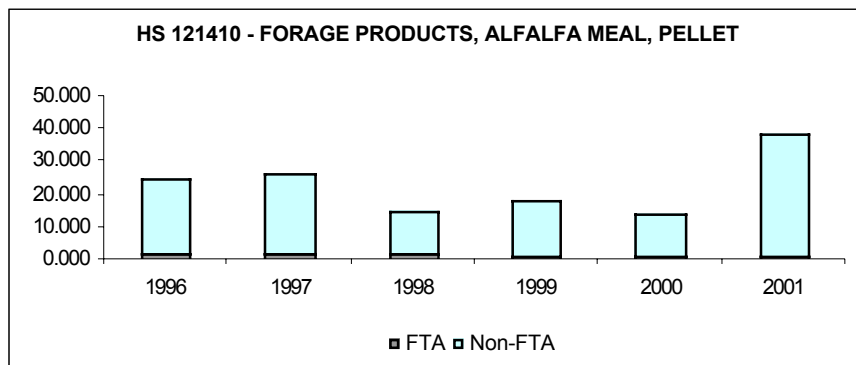
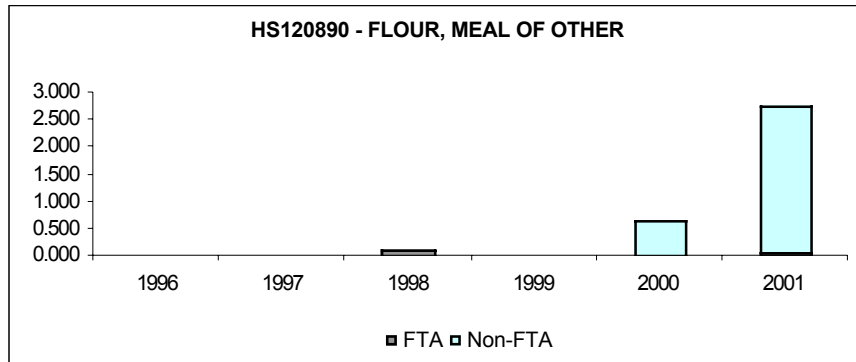


Figure 8. Alberta's Chapter 12 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 15 - Fats And Oils

Table 17. Bound Tariff Summary: Chapter 15 – Selected Markets
1996 – 2001, Export Values - \$ millions

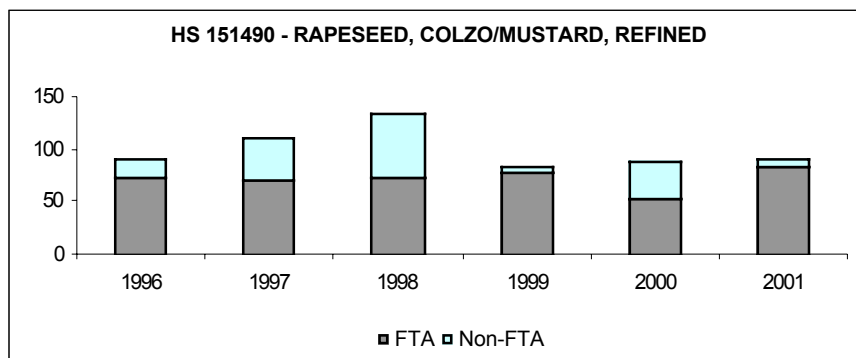
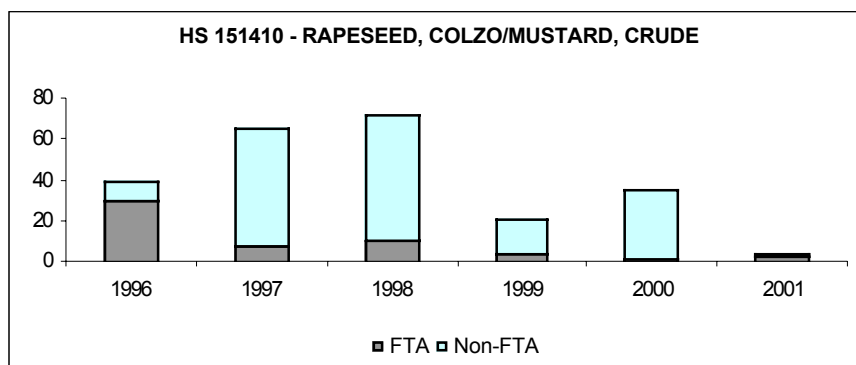
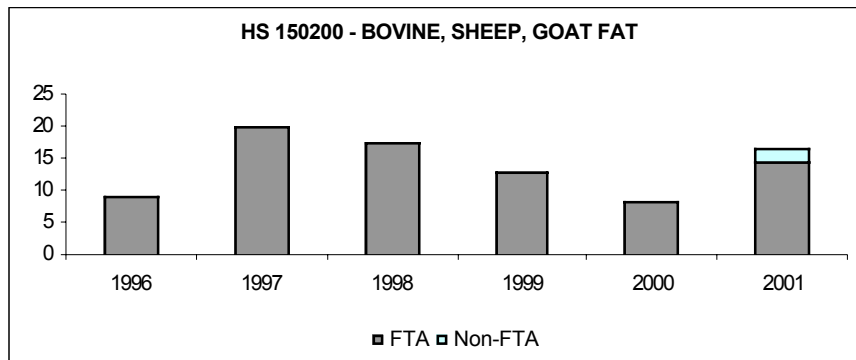
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
150100	PIG,POULTRY FAT,RND	Hong Kong	0%	0.364	0.036	0.165	0.250	0.855
150200	BOVINE,SHEEP,GOAT FAT	EU 15	0 - 3.2%	0.000	0.000	0.000	0.000	1.943
151410	CRUDE,N CHEM MODIFIED	Singapore	10%	0.014	0.222	8.717	0.000	1.260
		Taiwan	4%	0.879	0.160	0.005	2.079	1.034
		China	9%	0.000	0.000	0.000	1.542	0.000
		Korea, South	36%	55.963	59.369	0.110	0.248	0.000
		Hong Kong	0%	0.000	0.937	7.705	24.227	0.000
151490	RAPESEED,COLZO/MUSTRD REFINED,N CHEM MODI	Taiwan	4%	4.873	1.553	1.893	4.480	1.932
		Hong Kong	0%	17.298	22.550	0.083	26.895	1.855
		Japan	13.2 yen/kg	15.048	34.360	1.058	1.270	1.349
		Guatemala	40%	0.000	0.000	0.000	1.335	0.000
		Philippines	50%	0.292	0.413	0.467	0.744	0.499
		Singapore	10%	0.949	0.162	0.376	0.276	0.191
151790	OTHER 1517	New Zealand	14 - 21%	0.008	0.093	0.151	0.186	0.558
		Hong Kong	0%	1.152	0.000	0.000	0.000	0.036

Table 18. Alberta's Annual Chapter 15 Export Values to Non-FTA Countries
1996 - 2001, \$ millions - selected products

HS Code	Description	1996	1997	1998	1999	2000	2001
150100	PIG,POULTRY FAT,RND	0.779	0.364	0.036	0.165	0.250	0.855
150200	BOVINE,SHEEP,GOAT FAT	0.000	0.304	0.000	0.000	0.000	2.125
151410	CRUDE,N CHEM MODIFIED	9.046	57.316	61.017	16.637	33.571	2.320
151490	RAPESEED, COLZO/MUSTRD - REFINED,N CHEM MODI	17.113	38.705	60.593	5.499	36.142	7.195
151790	OTHER 1517	0.322	1.282	0.179	0.359	0.418	0.960

Alberta's Chapter 15 exports to non-FTA countries were mainly accounted for by refined canola oil, followed by crude, not chemically modified canola oil and animal fat. There has been a sharp decline in exports for both types of canola oil in 2001, with exports values falling below the levels of 1996. In the major export destinations, canola oil is exposed to relatively high tariffs, such as 10% in Singapore, 4% in Taiwan and 36% in South Korea. Only exports to Hong Kong do not face a tariff, the bound rate is 0%.

Figure 9. Alberta's Chapter 15 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 16, 19, 20, 21, 22, 23 - Prepared Meat, Fish, Etc; Baking Related; Preserved Food; Beverages; Food Waste; Animal Feed

Table 19. Bound Tariff Summary: Chapter 16, 19, 20, 22, 23 – Selected Markets
1996 – 2001, Export Values - \$ millions

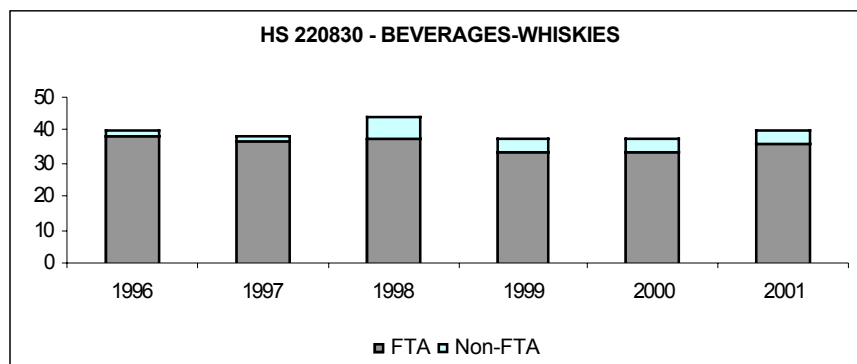
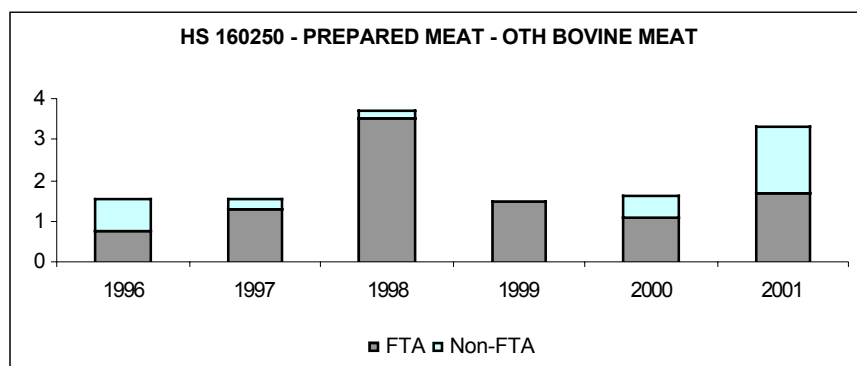
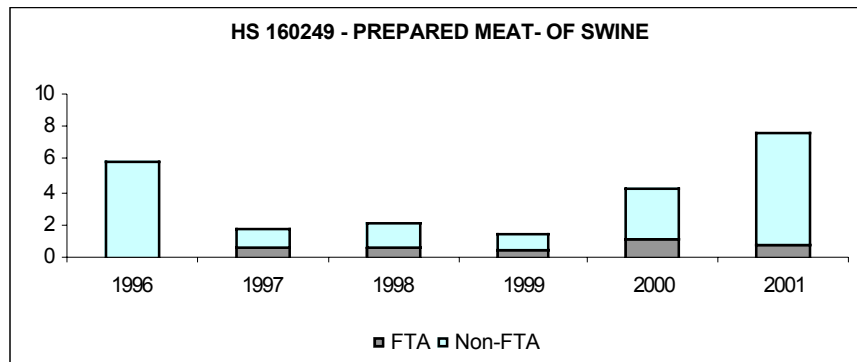
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
160100	PREPARED MEAT, FISH, ETC SAUSAGE, SIMILAR MEAT	Japan	10%	0.398	0.239	0.508	0.390	0.711
160242	PREPARED MEAT, FISH, ETC OF SWINE, SHOULDERS, ETC	Japan	8.5 - 20% OR 1035 yen/kg	0.561	0.000	0.495	0.703	0.000
160249	PREPARED MEAT, FISH, ETC OF SWINE, OTHER	Japan	0 - 20% OR 1035 yen/kg	1.210	1.485	0.977	3.025	6.912
160250	PREPARED MEAT, FISH, ETC MEAT, OFFAL, BLOOD - OTHER BOVINE MEAT, ETC	Japan	0 - 50%	0.153	0.174	0.035	0.272	1.663
190120	MALT EX; PREP OF FLOUR MIXES & DOUGHS	Japan	12 - 23.8% + 679-115 yen/kg	1.264	0.920	0.377	0.103	0.194
190590	BREAD, PASTRY, CAKE, ETC OTHER 1905	Japan	6 - 34%	0.026	2.024	0.015	0.044	0.102
200410	PRESERVED FOOD OTHER PREP VEG, FROZEN - POTATOES	Japan	8.5 - 13.6%	5.852	6.343	3.544	6.765	7.012
		Singapore	10%	1.092	1.225	0.386	0.917	1.487
		Saudi Arabia	n.a.	0.275	0.222	0.138	0.482	1.478
		Malaysia	5 - 20% + \$14.96	1.424	0.899	0.497	0.858	1.028
		Venezuela	40%	0.000	0.000	0.000	0.130	0.923
		Indonesia	40%	0.013	0.013	0.025	0.325	0.731
		Taiwan	12.5 - 20%	0.650	0.439	0.232	0.504	0.725
210330	MUSTARD FLOUR, MEAL	Japan	7.5 - 9%	0.566	0.470	1.316	1.090	0.000
		EU 15	7.5 - 9%	0.551	1.739	1.268	0.990	0.686
220830	BEVERAGES ETHL ALC, UNDNAT<80ALC - WHISKIES	EU 15	e 0.16%/vol/hl + e 1.2/hl	0.381	2.704	3.148	2.490	1.647
		South Africa	67 - 121%	0.455	2.694	0.811	0.821	1.589
		Japan	9.8 - 11.2% + 137 - 163 yen/kg	0.514	0.547	0.321	0.561	0.314
230110	FOOD WASTE; ANIMAL FEED FLOUR, MEAL, NT F HUMAN - PELLET, OFFAL; GREAVE	Taiwan	0%	0.000	3.976	3.220	3.761	3.912
		Indonesia	40%	11.126	0.916	0.013	0.871	1.065
		Thailand	30%	0.000	0.657	0.000	0.000	0.414
230240	BRAN, SHARP FR WRK CER - FROM MILLNG CEREAL	Morocco	34%	0.529	0.000	0.000	0.090	0.000
230320	MANUFACTURING RESIDUES - SUGAR	Indonesia	40%	6.913	0.000	0.000	0.000	0.000
		Malaysia	10%	2.999	0.000	0.000	0.000	0.000
		Japan	0%	2.499	0.250	0.601	0.255	0.000
		Korea, South	6.6%	0.715	0.000	0.000	0.000	0.000
230400	SOYBEAN RESIDUES	EU 15	0%	0.662	0.000	0.000	0.000	0.000
230640	FOOD WASTE; ANIMAL FEED OTHER SOLID RESIDUE - RAPE OR COLZA SEED	Japan	0%	0.215	0.816	0.250	0.660	1.506
		Taiwan	0%	0.159	0.428	0.026	0.213	0.632
		EU 15	0%	0.311	2.047	6.735	0.000	0.000
230910	FOOD WASTE; ANIMAL FEED ANIMAL FEED PREPARATN - DOG, CAT, RETAIL SALE	Czech Rep.	2%	0.223	0.169	0.440	0.339	1.456
		Taiwan	2%	0.094	0.262	0.197	0.485	1.080

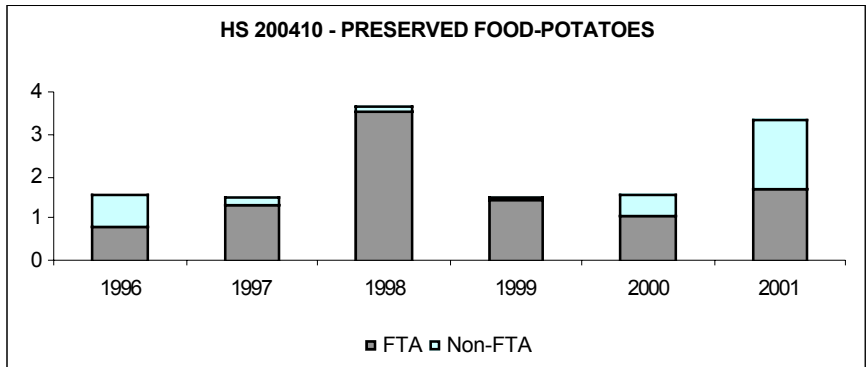
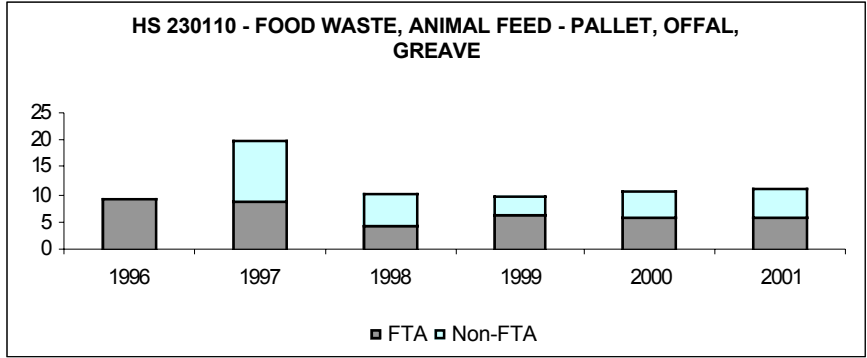
Table 20. Alberta's Annual Chapter 16, 19, 20, 21, 22, 23 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
160100	PREPARED MEAT, FISH, ETC - SAUSAGE,SIMILAR MEA	0.865	0.432	0.242	0.552	0.403	0.711
160242	PREPARED MEAT, FISH, ETC - OF SWINE,SHOULDR,ET	0.000	0.561	0.000	0.495	0.703	0.000
160249	PREPARED MEAT, FISH, ETC - MEAT, OFFAL, BLOOD, OTHR - OF SWINE,OTHER	5.860	1.210	1.485	0.979	3.034	6.912
160250	PREPARED MEAT, FISH, ETC MEAT, OFFAL, BLOOD, OTHR - OTH BOVINE MEAT,ETC	0.756	0.248	0.174	0.038	0.520	1.663
190120	MALT EX; PREP OF FLOUR - MIXES & DOUGHS	0.226	1.264	0.920	0.377	0.103	0.218
190590	BREAD, PASTRY, CAKE, ETC - OTHER 1905	0.049	0.044	2.024	0.040	0.107	0.244
200410	PRESERVED FOOD OTHER PREP VEG, FROZEN - POTATOES	5.734	9.759	9.706	5.498	10.502	14.309
210330	MUSTARD FLOUR,MEAL	0.304	1.168	2.253	2.632	2.153	0.919
220830	BEVERAGES ETHL ALC, UNDNAT<80ALC -	1.602	1.607	6.059	4.598	4.260	4.025
230110	FOOD WASTE; ANIMAL FEED FLOUR, MEAL, NT F HUMAN - PELLET,OFFAL;GREAVE	0.000	11.126	6.010	3.324	4.802	5.781
230240	BRAN,SHARP FR WRK CER - FROM MILLNG CEREAL	0.725	0.834	0.100	0.107	0.595	0.032
230320	MANUFACTRNG RESIDUES - SUGAR	2.266	13.126	0.250	0.601	0.255	0.000
230400	SOYBEAN RESIDUES	0.000	0.662	0.000	0.000	0.000	0.000
230640	FOOD WASTE; ANIMAL FEED OTHER SOLID RESIDUE - RAPE OR COLZA SEED	12.025	0.923	3.323	7.011	0.874	2.137
230910	FOOD WASTE; ANIMAL FEED ANIMAL FEED PREPARATN - DOG,CAT,RETAIL SALE	1.668	0.587	0.596	1.427	2.144	4.668

Alberta's exports of various processed food, food waste and animal feed is dominated by frozen potatoes, followed by processed pork meat, alcoholic beverages, and food waste (not for human consumption). The major export destination for different types of processed meat and frozen potatoes remained Japan. Other important export countries for frozen potatoes were Singapore, Saudi Arabia and Malaysia. Bound tariffs are relatively high in all main export destinations, for example, in Japan up to 20% for various prepared meats and up to 13.6% for frozen potatoes. These tariffs could, therefore, be a focus for tariff reduction in the future.

Figure 10. Alberta's Chapter 16, 20, 21, 23 Export Values (\$ millions) to Non-FTA and FTA Countries, 1996 to 2001 - Selected Products





Section 2 – Non-Agricultural Products

HS Chapter 25 - Salt; Sulfur; Earth, Stone

Table 21. Bound Tariff Summary: Chapter 25 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
250300	SULFUR OF ALL KINDS - N SUBLME,PREC,COLLO	China	3%	7.709	15.502	63.642	81.788	41.426
		Brazil	0%	63.040	43.535	34.974	46.847	29.872
		Cuba	n.a.	15.601	14.700	14.902	18.608	12.376
		Senegal	n.a.	0.000	4.209	3.180	7.398	9.543
		South Africa	0%	23.393	23.808	27.994	18.281	9.070
		Morocco	40%	80.261	40.607	35.883	9.265	7.789
		New Zealand	0%	7.463	2.822	6.962	7.606	3.883
		Indonesia	40%	5.529	5.264	5.668	5.223	3.186
		Argentina	n.a.	4.299	1.641	0.000	0.000	0.996
		Australia	0%	4.440	7.204	8.594	15.040	0.755
		Philippines	10%	7.517	0.998	3.016	4.688	0.000
		Tunisia	n.a.	19.138	10.717	1.082	0.000	0.000
		Thailand	n.a.	2.066	6.242	0.000	0.000	0.000
		Vietnam	n.a.	0.000	1.058	0.000	0.000	0.000
		India	10 - 40%	2.230	0.000	0.000	0.000	0.000
EU 15	0 - 1.7%	1.611	0.000	0.000	0.000	0.000		
Korea, South	2%	1.414	0.000	0.000	0.000	0.000		
251990	MAGNESIA RELATED - FUSED,DEAD-BURN,OTH	EU 15	0 - 1.7%	10.861	9.841	6.935	7.635	2.964
		Brazil	35%	0.720	0.180	0.007	0.217	1.097
		Korea, South	10%	0.014	0.028	0.029	0.338	0.554

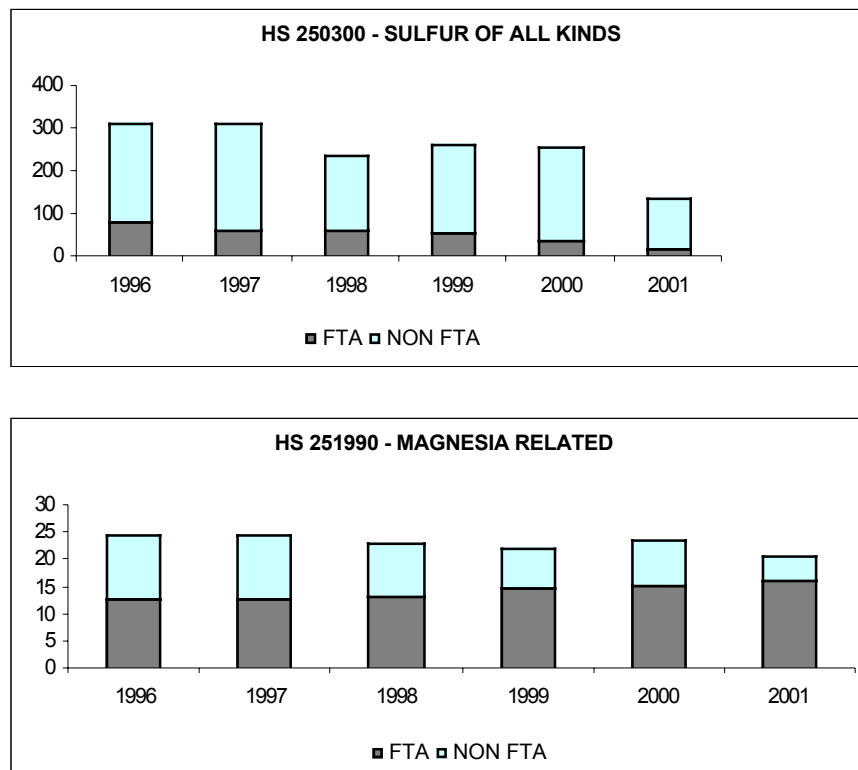
Table 22. Alberta's Annual Chapter 25 Export Values to Non-FTA Countries,
1996 – 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
250300	SULFUR OF ALL KINDS - N SUBLME,PREC,COLLO	232.320	247.577	178.305	206.150	215.327	118.896
251990	MAGNESIA RELATED - FUSED,DEAD-BURN,OTH	11.863	11.881	10.267	7.087	8.415	4.828

The major export products in Chapter 25 were sulfur and magnesia, with sulfur playing the most important role. The main export destinations for sulfur from Alberta were China and Brazil, both having low bound tariffs of 3% and 0%, respectively. While China's imports of sulfur have increased considerably since 1997, imports to Brazil have decreased by half over the same period. Exports to South Africa have decreased by more than 50% since 1997, although South Africa has a 0% tariff for sulfur. Exports to Morocco and Indonesia, both countries having a 40% bound tariff, have decreased dramatically since 1997. The Philippines, having a bound tariff of 10%, and Tunisia, both importing large amounts of sulfur from Alberta in 1997, have not imported any sulfur in 2001.

The primary importers for magnesia are the EU, Brazil and South Korea. Although the bound tariff of the EU is low at 0 - 1.7%, the value of imported magnesia has decreased since 1997. Brazil and South Korea, having a bound tariff of 35% and 10% respectively, have experienced a considerable import growth during the same time period.

Figure 11. Alberta's Chapter 25 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 27 - Mineral Fuel, Oil, Etc.

Table 23. Bound Tariff Summary: Chapter 27 – Selected Markets
1996 – 2001, Export Values - \$ millions

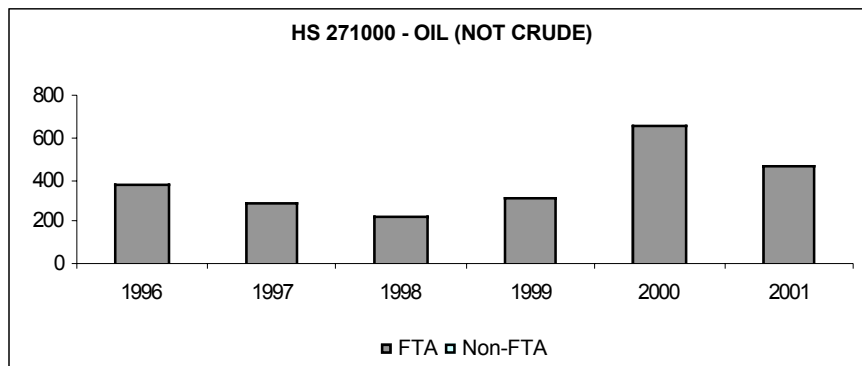
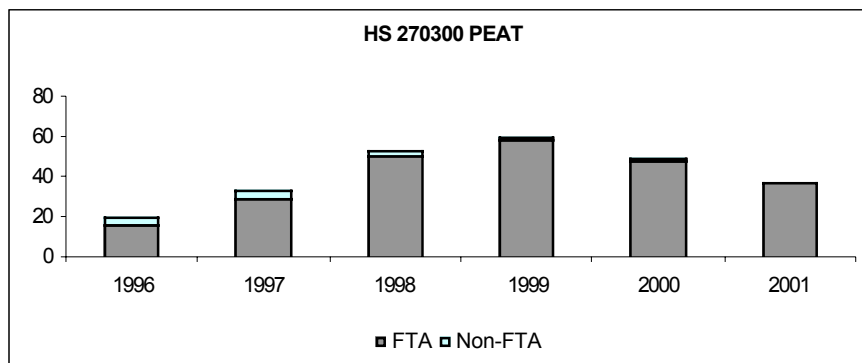
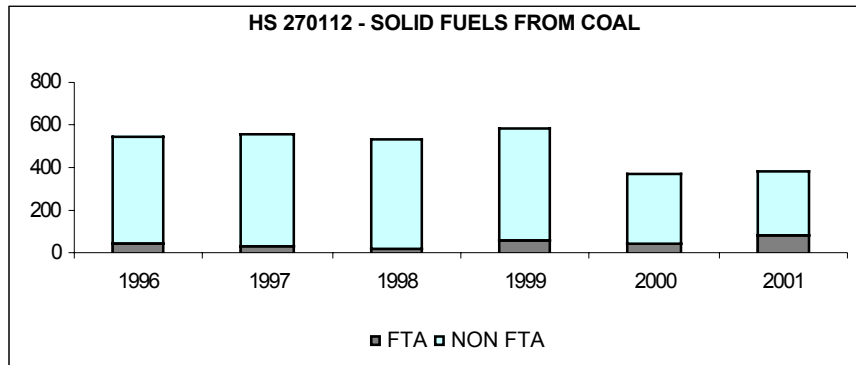
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
270112	SOLID FUELS FROM COAL BITUMINOUS COAL,N AG	Japan	0%	355.707	308.906	288.926	170.099	127.952
		Korea, South	1%	107.277	124.844	131.245	79.490	103.414
		EU 15	0%	53.637	53.429	62.383	34.335	33.061
		Brazil	15%	14.508	20.050	32.140	33.047	21.702
		Egypt	5%	0.000	0.000	7.632	7.393	18.345
		Taiwan	0%	0.000	7.028	10.306	6.351	5.467
		Hong Kong	n.a.	0.000	0.000	2.226	0.000	0.000
270300	PEAT	Japan	0%	2.460	1.947	0.885	1.098	0.200
		Korea, South	1%	0.571	0.113	0.109	0.157	0.038
270900	CRUDE OIL	New Zealand	0%	0.000	21.633	0.000	0.000	0.000
271000	OIL (NOT CRUDE)	Hong Kong	0%	0.092	0.507	0.227	0.755	0.044

Table 24. Alberta's Annual Chapter 27 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
270112	SOLID FUELS FROM COAL - BITUMINOUS COAL,N AG	506.648	531.129	514.256	534.857	330.715	309.940
270300	PEAT	4.199	3.688	2.760	1.326	1.924	1.056
270900	CRUDE OIL	14.075	0.000	21.633	0.000	0.000	0.000
271000	OIL (NOT CRUDE)	1.956	1.607	1.443	0.840	1.431	1.268

Alberta's exports from Chapter 27 continue to be dominated by coal although these exports have declined in value by almost 40% since 1996. Major importers of coal are Japan and South Korea, both having low tariffs of 0% and 1%. They are followed by the EU, Brazil and Egypt, with Brazil having the highest tariff in this group at 15%. Although exposed to high tariffs, exports to Brazil have increased up to 2000, and only in the last year shown a decrease of 34%. Exports to Egypt, despite a 5% bound tariff, have increased in by 60% in 2001. Peat, crude and refined oil play a minor role for the exports to non-FTA countries in Chapter 27, with Japan, New Zealand and Hong Kong being the primary destinations. None of these countries imposes any tariffs.

Figure 12. Alberta's Chapter 27 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 28 - Inorg Chem; Rare Erth Mt

Table 25. Bound Tariff Summary: Chapter 28 – Selected Markets
1996 – 2001, Export Values - \$ millions

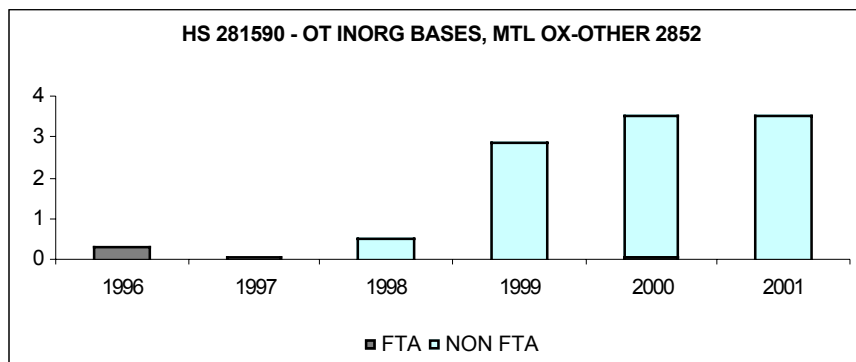
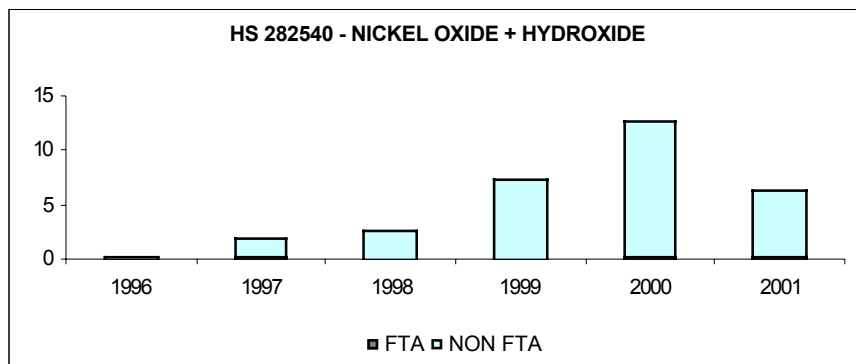
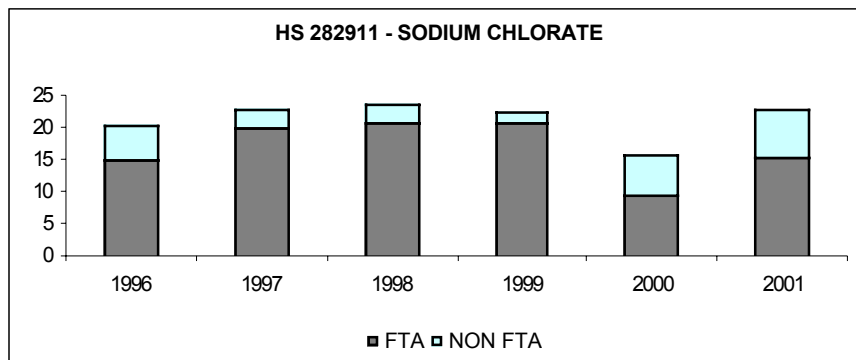
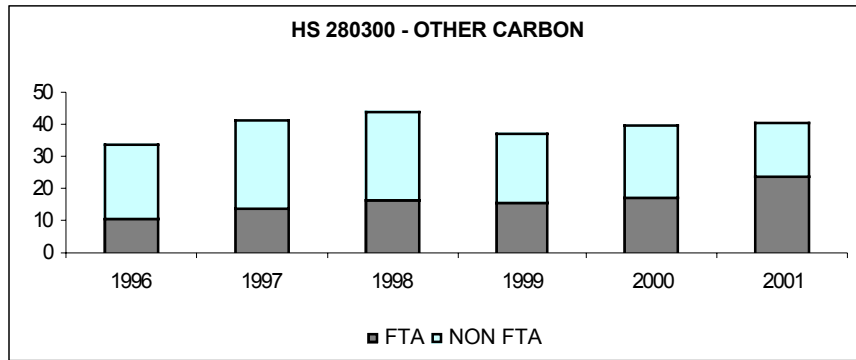
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
280300	OTHER CARBON	EU 15	0%	18.828	19.431	14.080	13.837	7.943
		Taiwan	2.5%	1.924	1.768	1.673	1.753	2.648
		Japan	0 - 3.9%	3.311	2.928	2.551	3.037	2.150
		Korea, South	5.5%	0.996	0.635	0.763	0.858	1.020
		China	5.5%	0.336	0.454	0.443	0.581	0.793
		Brazil	17.5%	0.837	0.728	0.289	0.597	0.401
282200	COBALT OXIDE, HYDROX	Korea, South	5.5%	0.000	0.000	0.000	0.000	0.545
282540	OT INORG BASES; MTL OX - NICKEL OXIDE+HYDROX	Hong Kong	0%	0.833	2.373	5.999	10.426	4.573
		China	5.5%	0.717	0.081	0.387	0.125	0.906
		Singapore	5.5%	0.000	0.000	0.908	0.968	0.615
		Malaysia	5%	0.000	0.000	0.114	1.022	0.077
282590	OT INORG BASES; MTL OX - OTHER 2852	Hong Kong	0%	0.000	0.000	2.400	2.610	1.656
		China	5.5%	0.010	0.000	0.122	0.675	1.308
282911	SODIUM CHLORATE	Japan	3.3%	2.162	2.229	1.732	5.370	6.550
		Korea, South	5.5%	0.459	0.214	0.049	0.651	0.693
283090	SULFIDES, POLYSULFIDE - OT SULFIDE, POLYSULF	Norway	0%	3.547	0.000	0.000	0.000	0.000
284700	HYDROGEN PEROXIDE W/UREA	South Africa	10%	0.740	0.000	0.000	0.000	0.000

Table 26. Alberta's Annual Chapter 28 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
280300	OTHER CARBON	23.930	28.060	27.972	21.694	22.102	16.629
282200	COBALT OXIDE, HYDROX	0.000	0.000	0.000	0.000	0.000	0.545
282540	OT INORG BASES; MTL OX - NICKEL OXIDE+HYDROX	0.364	1.813	2.790	7.444	12.541	6.309
282590	OT INORG BASES; MTL OX - OTHER 2852	0.007	0.010	0.496	2.869	3.495	3.567
282911	SODIUM CHLORATE	5.084	3.079	2.746	1.952	6.021	7.243
283090	SULFIDES, POLYSULFIDE - OT SULFIDE, POLYSULF	0.000	3.547	0.000	0.000	0.000	0.000
284700	HYDROGEN PEROXIDE W/UREA	0.000	0.740	0.000	0.000	0.000	0.000

Europe remains the primary destination for carbon exports, the major product of Chapter 28. Although the bound tariff in the EU is 0%, there has been a decline in exports since 1998, with export values reaching less than 50% of the 1997 levels. Other major destinations are Taiwan, Japan and South Korea, all having tariffs between 0 and 5.5%. Brazil, has the highest tariff among the main importers of 17.5%. A decrease in Brazil's bound tariff might be beneficial for Alberta's carbon exports to that country. Hong Kong remains the major import destination for nickel and other inorganic bases and imposes no tariff on either products. Similarly Japan, with very low bound tariffs, is the main destination for sodium chlorate and has experienced a strong import growth for this product since 1997.

Figure 13. Alberta's Chapter 28 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 29 - Organic Chemicals

Table 27. Bound Tariff Summary: Chapter 29 – Selected Markets
1996 – 2001, Export Values - \$ millions

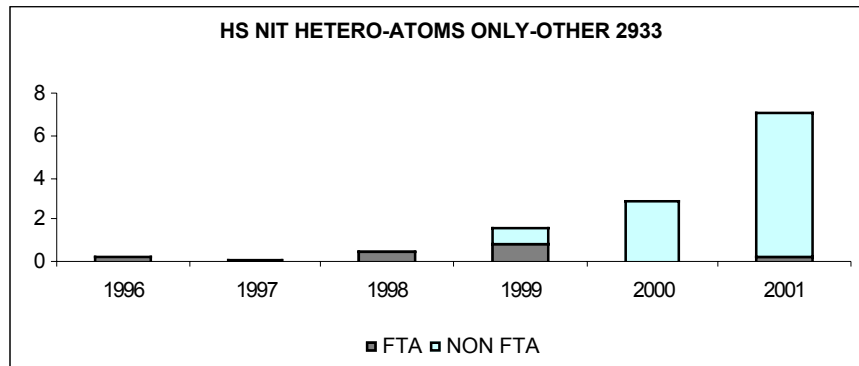
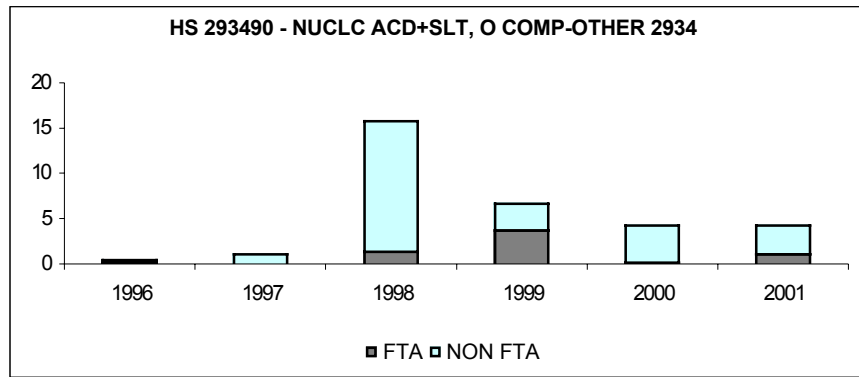
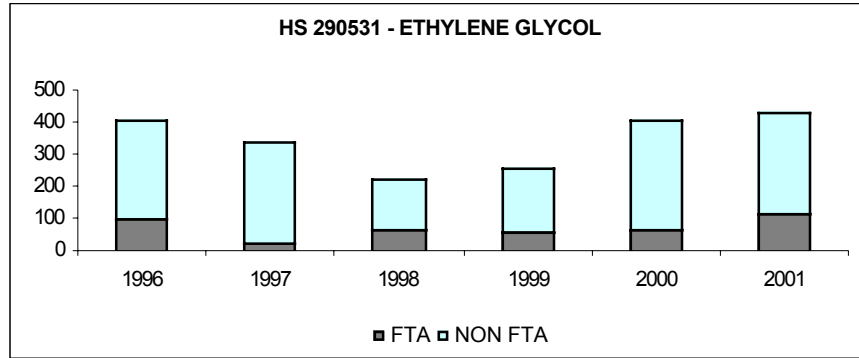
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
290250	CYCLIC HYDROCARBONS - STYRENE	Korea, South	0%	68.000	63.304	54.215	23.967	0.000
		Singapore	0%	4.120	0.000	0.000	14.093	0.000
		Taiwan	0%	56.953	23.965	30.099	12.942	0.000
		EU 15	0%	13.395	0.000	7.808	0.000	0.000
		Thailand	n.a.	0.000	3.859	0.000	0.000	0.000
		China	2%	0.000	3.597	0.000	0.000	0.000
		Switzerland	0%	1.858	0.000	0.000	0.000	0.000
		Japan	0%	1.285	0.000	0.000	0.000	0.000
290511	ACYCLIC ALCHOL, HALOGEN - METHANOL	Korea, South	5.5%	0.000	1.720	0.000	0.000	0.000
		Japan	0%	22.281	0.000	0.000	0.000	0.000
		EU 15	5.5%	3.439	0.000	0.000	0.000	0.000
290513	ACYCLIC ALCOHOL,HALOGEN BUTAN-1-OL	Malaysia	5%	1.600	0.000	0.000	0.000	0.000
290531	ACYCLIC ALCOHOL, HALOGEN - ETHYLENE GLYCOL	China	5.5%	53.230	24.575	63.882	165.480	210.362
		Korea, South	5.5%	63.526	22.457	43.344	75.618	62.988
		Taiwan	1%	92.772	59.182	64.318	48.482	33.689
		Thailand	n.a.	25.076	6.094	0.000	8.671	4.352
		Malaysia	n.a.	1.630	3.969	0.315	9.667	2.657
		Indonesia	40%	53.758	34.680	21.642	24.558	1.796
		Japan	5.5%	28.299	7.036	5.971	2.069	0.707
291639	UNSAT MONOCARBOX OTHER 2916	EU 15	6.5%	0.000	0.550	0.000	0.041	0.038
293010	ORGANO-SULFUR COMPND DITHIOCARBONATES	Russia	n.a.	0.996	0.000	0.000	0.000	0.000
293329	NIT HETERO-ATOMS ONLY - O HETERCYCL,UNFUSED	EU 15	0 - 6.5%	3.447	6.679	6.460	2.467	0.752
		Japan	3%	0.016	0.177	0.360	0.786	0.043
293359	NIT HETERO-ATOMS ONLY - O W/PYRIM/PIPER RNG	EU 15	0 - 6.5%	3.127	0.000	0.000	0.000	0.244
293390	NIT HETERO-ATOMS ONLY - OTHER 2933	Japan	3.1 - 3.3%	0.000	0.000	0.833	2.910	6.854
293490	NUCLC ACD+SLT; O CMP - OTHER 2934	EU 15	0 - 6.5%	1.126	14.498	2.993	4.165	3.204

Non-FTA countries remain the major markets for the selected products in Chapter 29. Exports of organic chemicals from Alberta were dominated by ethylene glycol, with the main importers being China, South Korea, Taiwan, and to a smaller degree, Thailand, Malaysia and Indonesia. All export destinations have experienced a decline in export value in 2001, except for China. Bound tariffs for ethylene glycol are between 0% and 5.5% for most countries, except Indonesia with a 40% bound tariff. Exports to Indonesia have experienced a considerable decline since 1997, which could be related to the high bound tariffs.

Table 28. Alberta's Annual Chapter 29 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
290250	CYCLIC HYDROCARBONS - STYRENE	168.730	145.612	94.725	92.122	51.003	0.000
290511	ACYCLIC ALCHOL, HALOGEN METHANOL	36.175	25.720	1.720	0.014	0.000	0.000
290513	ACYCLIC ALCOHOL,HALOGEN BUTAN-1-OL	0.000	1.600	0.000	0.000	0.000	0.000
290531	ACYCLIC ALCOHOL, HALOGEN - ETHYLENE GLYCOL	306.091	318.990	158.160	199.472	336.291	316.571
291639	UNSAT MONOCARBOX OTHER 2916	0.000	0.000	0.698	0.000	0.041	0.084
293010	ORGANO-SULFUR COMPNDS DITHIOCARBONATES	1.331	1.035	0.361	0.951	0.208	0.034
293329	NIT HETERO-ATOMS ONLY - O HETERCYCL,UNFUSED	1.616	4.432	7.706	7.702	4.155	1.277
293359	NIT HETERO-ATOMS ONLY - O W/PYRIM/PIPER RNG	1.062	3.127	0.000	0.000	0.000	0.244
293390	NIT HETERO-ATOMS ONLY - OTHER 2933	0.000	0.000	0.000	0.833	2.910	6.854
293490	NUCLC ACD+SLT; O CMP -	0.046	1.126	14.513	2.993	4.165	3.240

Figure 14. Alberta's Chapter 29 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 30 - Pharmaceutical Products

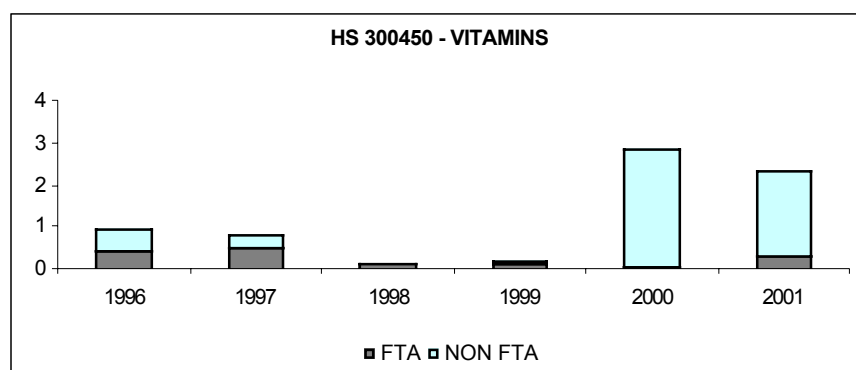
Table 29. Bound Tariff Summary: Chapter 30 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
300450	OTH MEDICAMENT, DOSAGE - VITAMINS	EU 15	0%	0.010	0.016	0.011	2.803	1.973

Table 30. Alberta's Annual Chapter 30 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - selected products

HS Code	Description	1996	1997	1998	1999	2000	2001
300450	OTH MEDICAMENT, DOSAGE -	0.497	0.343	0.016	0.040	2.803	1.973

Figure 15. Alberta's Chapter 30 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 31 & 38 - Fertilizers & Misc. Chemical Products

Table 31. Bound Tariff Summary: Chapter 31 & 38 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
310210	FERTILIZERS UREA	Australia	10%	7.143	4.768	12.892	20.610	0.000
		New Zealand	0%	0.000	0.000	3.938	0.886	0.000
		Japan	0%	4.178	0.774	0.434	0.812	0.000
310221	FERTILIZERS AMMONIUM SULFATE	New Zealand	0%	0.000	0.000	3.490	5.990	6.473
		Argentina	15%	0.000	0.000	0.000	1.841	1.535
		Fiji	40%	0.721	0.000	0.000	0.000	0.000
310590	FERTILIZ, OTH, PACK<10KG - FERTILIZERS, NESOI	EU 15	0 - 6.5%	0.555	0.000	0.000	0.031	0.033
381190	ANTIKNCK PRPF MN OIL - O ADD FOR MINER OIL	Russia	n.a.	0.519	0.000	0.000	0.000	0.000
381519	MISC. CHEMICAL PRODUCTS O SUPPRD CATALYST	Trinidad & Tob	50%	0.000	0.000	0.000	0.000	1.675
		Cuba	n.a.	0.013	0.000	0.000	0.000	0.720
		Korea, South	6.5%	0.000	0.000	0.000	0.839	0.000
		EU 15	6.5%	0.031	0.000	0.000	0.620	0.000
382000	ANTI-FREEZING PREP	Taiwan	5%	0.000	0.000	1.086	0.000	0.000
382440	MISC. CHEMICAL PRODUCTS PREP ADD CEM/MOR/CO	Russia	n.a.	0.000	0.000	0.000	0.377	1.036
382490	O CHEM IND PROD+RES	Cuba	n.a.	0.661	0.947	1.925	0.718	3.143
		Iran	n.a.	0.000	0.000	0.100	0.525	0.000
		Russia	n.a.	0.075	0.000	0.539	0.014	0.000
		Egypt	n.a.	0.400	1.010	0.000	0.000	0.000
		China	6.5 - 9%	0.000	0.673	0.000	0.000	0.000

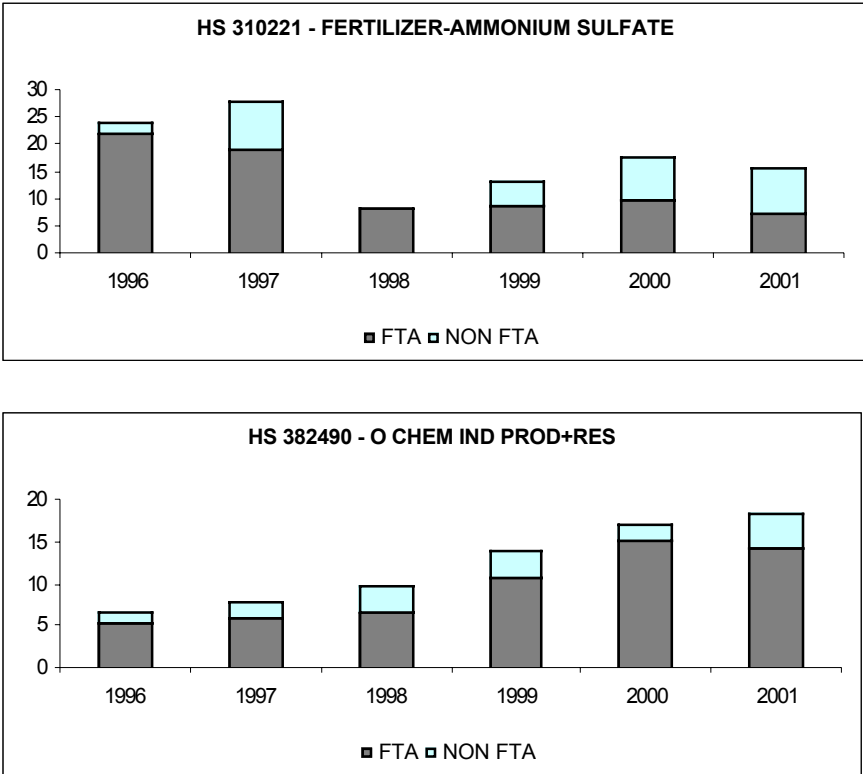
Table 32. Alberta's Annual Chapter 31 & 38 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - selected products

HS Code	Description	1996	1997	1998	1999	2000	2001
310210	FERTILIZERS UREA	30.770	11.339	0.774	8.748	22.307	0.000
310221	FERTILIZERS AMMONIUM SULFATE	2.103	8.812	0.000	4.323	7.831	8.008
310590	FERTILIZ, OTH, PACK<10KG - FERTILIZERS, NESOI	0.094	0.656	0.000	0.025	0.263	0.048
381190	ANTIKNCK PRPF MN OIL - O ADD FOR MINER OIL	0.000	0.519	0.000	0.003	0.013	0.198
381519	MISC. CHEMICAL PRODUCTS O SUPPRD CATALYST	0.191	0.044	0.000	0.000	2.183	2.395
382000	ANTI-FREEZING PREP	0.000	0.000	0.003	1.086	0.000	0.001
382440	MISC. CHEMICAL PRODUCTS PREP ADD CEM/MOR/CO	0.000	0.122	0.034	0.291	0.457	1.184
382490	O CHEM IND PROD+RES	1.016	1.656	3.089	3.184	1.745	3.853

Export values of fertilizer from Chapter 31, the major products being urea and ammonium sulfate, have varied considerably during the past years, with the lowest export values in 1998. While exports of ammonium sulfate increased over the past years, Alberta did not export urea in notable amounts in 2001.

Alberta's exports of highly processed petroleum products and associated additives from Chapter 38, increased in value since 1996. Major export destinations were Trinidad and Tobago, Russia, and Cuba and Egypt, with Trinidad and Tobago having a bound tariff of 50%, respectively. South Korea and the EU, although destinations of lesser importance, allow higher tariffs of 6.5% for products in Chapter 38.

Figure 16. Alberta's Chapter 31 & 38 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 39 - Plastic

Table 33. Bound Tariff Summary: Chapter 39 – Selected Markets
1996 – 2001, Exports Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
390110	ETHYLENE, PRIMARY FORM POLYETHYLENE GR<.94	China	6.5%	34.993	41.554	68.383	123.587	58.502
		Malaysia	30%	8.102	2.547	4.852	6.196	3.711
		Taiwan	2.5%	14.316	10.310	6.166	7.832	2.758
		Hong Kong	0%	7.264	6.397	5.543	8.537	1.855
		Indonesia	40%	8.888	2.676	5.805	2.970	1.817
		Trinidad & Tob	50%	0.000	0.180	0.829	0.945	1.091
		EU 15	6.5%	21.891	25.326	32.894	28.188	1.018
		Thailand	n.a.	3.952	2.017	1.780	2.050	1.006
		Japan	2.8 - 6.5%	20.089	16.059	10.203	2.417	0.836
		Norway	6.5%	0.472	0.919	1.263	1.427	0.824
		Iceland	n.a.	0.000	0.071	0.629	0.943	0.736
		New Zealand	10%	13.285	4.866	1.143	0.402	0.572
		Argentina	20%	0.036	0.018	2.122	3.385	0.000
		Brazil	20%	0.033	0.029	0.456	2.192	0.000
		Guatemala	45%	0.118	0.257	2.250	0.940	0.000
		Switzerland	0%	0.000	0.000	0.395	0.877	0.000
		Pakistan	n.a.	0.000	0.000	0.006	0.807	0.000
		Singapore	6.5%	6.443	2.459	0.910	0.786	0.226
		Vietnam	n.a.	0.672	0.366	0.909	0.543	0.000
		Australia	10%	23.798	15.632	0.582	0.133	0.263
		Colombia	35%	0.000	1.463	0.555	0.000	0.177
		Philippines	n.a.	4.174	1.176	0.118	0.499	0.063
		Egypt	30%	0.823	0.500	0.045	0.000	0.000
		Australia	10%	23.798	15.632	0.582	0.133	0.263
		India	25 - 40%	1.481	0.000	0.416	0.254	0.000
		Korea, South	6.5%	0.766	0.357	0.199	0.046	0.148
390120	ETHYLENE, PRIMARY FORM POLYETHYLENE G>=.94	China	6.5%	0.000	0.000	0.000	0.307	16.364
		EU 15	6.5%	0.000	0.000	0.000	0.101	1.836
		Indonesia	40%	0.000	0.000	0.000	0.000	1.329
		Vietnam	n.a.	0.000	0.000	0.000	0.000	0.823
		Taiwan	2.5%	0.564	0.000	0.022	0.204	0.683
		Argentina	20%	0.043	0.000	0.088	1.232	0.185
		Brazil	20%	0.000	0.000	0.538	0.579	0.000
		Hong Kong	0%	0.000	0.421	0.000	0.557	0.387
390190	ETHYLENE, PRIMARY FORM OTHER 3901	China	6.5%	0.000	0.917	2.587	2.520	24.436
		Taiwan	2.5%	0.000	0.568	5.611	2.001	5.450
		Malaysia	30%	0.000	0.041	1.864	1.183	4.607
		EU 15	6.5%	0.000	0.000	0.853	3.851	4.480
		Indonesia	40%	0.000	0.714	0.149	0.526	3.969
		Japan	2.8%	0.000	0.390	3.654	3.857	2.970
390190	ETHYLENE, PRIMARY FORM OTHER 3901	Australia	10%	0.140	1.106	9.291	3.918	2.417
		Singapore	6.5%	0.000	0.394	2.196	1.188	2.220
		Brazil	20%	0.000	0.000	2.210	6.504	1.006
		India	40%	0.000	0.000	0.573	1.164	0.794
		Hong Kong	0%	0.000	0.000	0.238	0.000	0.689
		Argentina	20%	0.000	0.000	0.464	4.676	0.181
		New Zealand	10%	0.000	0.445	4.156	1.999	0.170
		Philippines	20%	0.000	0.437	3.067	0.655	0.438
		Korea, South	6.5%	0.000	0.041	0.593	0.121	0.455
		Thailand	30%	0.000	0.116	1.366	0.434	0.433
390410	VINYL CLORIDE,ETC	Taiwan	2.5%	0.522	0.153	0.024	0.033	0.015
390720	POLYETHER,EPOXIDE,ET - OTHER POLYETHERS	New Zealand	10 - 16%	0.000	0.698	0.000	0.000	0.000
390730	POLYETHER, EPOXIDE, ET - EPOXIDE RESINS	Japan	3.1%	0.000	0.000	0.000	1.896	0.093
		Singapore	6.5%	0.000	0.045	0.769	1.244	0.102
		Thailand	30%	0.597	0.000	0.223	0.381	0.000

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
391211	CELLULOSE,OT CHEM DER - CELLULOS ACET,N PLS	China	6.5%	0.667	9.427	0.000	0.000	0.000
391721	TUBE, PIPE, HOSES, + FIT - RIGID ETHYLENE	Turkey	13%	4.432	2.266	1.161	0.000	0.000
391732	TUBE, PIPE, HOSES + FIT - N REINFORC,N FITTNG	Uruguay	25%	0.000	0.000	0.000	1.666	0.329
		EU 15	6.5%	0.000	0.000	0.000	0.540	0.460
		New Zealand	0 - 20%	0.547	0.212	0.121	0.200	0.316
391733	TUBE, PIPE, HOSES, + FIT - N REINFORCED,FITTNG	Cuba	n.a.	0.000	0.000	0.098	0.659	0.000
392010	PLATE, SHEET, ET, N CEL - POLYMER	EU 15	6.5%	1.862	4.720	3.134	2.483	1.668
		Australia	10%	0.667	1.802	1.289	1.125	0.648
		New Zealand	20%	0.738	0.996	0.782	0.576	0.588
		Saudi Arabia	n.a.	0.000	0.091	0.092	0.505	0.328
		Argentina	25%	0.143	0.794	1.336	0.367	0.000
		Brazil	25%	0.064	0.768	0.000	0.000	0.000
392020	PLATE, SHEET, ET, N CEL - PROPYLENE	Singapore	6.5%	0.734	0.000	0.090	0.000	0.041
		Uruguay	25%	0.000	0.000	0.000	0.565	0.000
392321	BOX,BAG,CLOSURE,ETC - SACK,BAG ETHYLENE	Argentina	25%	4.054	2.440	1.748	0.000	0.000
		EU 15	6.5%	0.228	0.566	0.739	0.000	0.012
392590	OT BUILDERS' WARES	EU 15	0 - 6.5%	0.989	0.584	0.131	0.015	0.101
392690	OTHER ARTICLES - OTHER 3926	Argentina	25%	0.316	0.800	0.000	0.000	0.000

Table 34. Alberta's Annual Chapter 39 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
390110	ETHYLENE, PRIMARY FORM - POLYETHYLENE GR<.94	207.949	172.082	135.471	148.607	196.965	76.050
390120	ETHYLENE, PRIMARY FORM POLYETHYLENE G>=.94	0.006	0.607	0.421	1.674	3.613	23.325
390190	ETHYLENE, PRIMARY FORM OTHER 3901	0.000	0.140	5.165	39.100	34.977	55.824
390410	VINYL CLORIDE,ETC	0.017	0.738	0.178	0.059	0.336	0.531
390720	POLYETHER,EPOXIDE,ET - OTHER POLYETHERS	0.000	0.000	0.698	0.000	0.000	0.000
390730	POLYETHER, EPOXIDE, ET - EPOXIDE RESINS	0.000	1.100	0.173	1.912	4.216	0.336
391211	CELLULOSE,OT CHEM DER - CELLULOS ACET,N PLS	4.801	0.667	0.667	0.011	0.000	0.000
391721	TUBE, PIPE, HOSES, + FIT - RIGID ETHYLENE	1.572	4.804	2.651	1.234	0.005	0.000
391732	TUBE, PIPE, HOSES + FIT - N REINFORC,N FITTNG	0.011	0.032	0.537	0.000	3.014	1.490
391733	TUBE, PIPE, HOSES, + FIT - N REINFORCED,FITTNG	8.213	5.872	10.049	8.257	0.670	0.001
392010	PLATE, SHEET, ET, N CEL - POLYMER	8.213	5.757	9.931	8.546	6.109	3.839
392020	PLATE, SHEET, ET, N CEL - PROPYLENE	2.850	2.364	1.056	0.605	0.574	0.000
392321	BOX,BAG,CLOSURE,ETC - SACK,BAG ETHYLENE	0.210	4.530	3.184	2.711	0.168	0.021
392590	OT BUILDERS' WARES	2.850	2.364	1.056	0.605	0.484	0.463
392690	OTHER ARTICLES	3.126	1.267	1.549	0.738	0.675	0.599

Chapter 39 exports from Alberta were dominated by polyethylene, in particular a low-density form of polyethylene. Contrary to other forms of ethylene, exports of low-density polyethylene have experienced a significant decline in 2001. China remains the major import country for all forms of polyethylene, followed by Malaysia, Taiwan, Hong Kong, Indonesia, Trinidad and Tobago, the EU and Thailand. Except for polyethylene sheet and film (HS 392010), which is mainly exported to the EU, products in Chapter 39 are generally shipped in smaller amounts to a variety of different markets throughout the world.

There are significant bound tariffs in some of the major export markets for polyethylene, such as 50% in Trinidad and Tobago, 40% in Indonesia and 30% in Malaysia. Tariff reduction, in particular in these markets, could be beneficial for Alberta's exports. Bound tariffs for all forms of polyethylene in other major markets, such as China and Taiwan, tend to be low, eg., ranging from 6.5% and 2.5%.

Figure 17. Alberta's Chapter 39 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

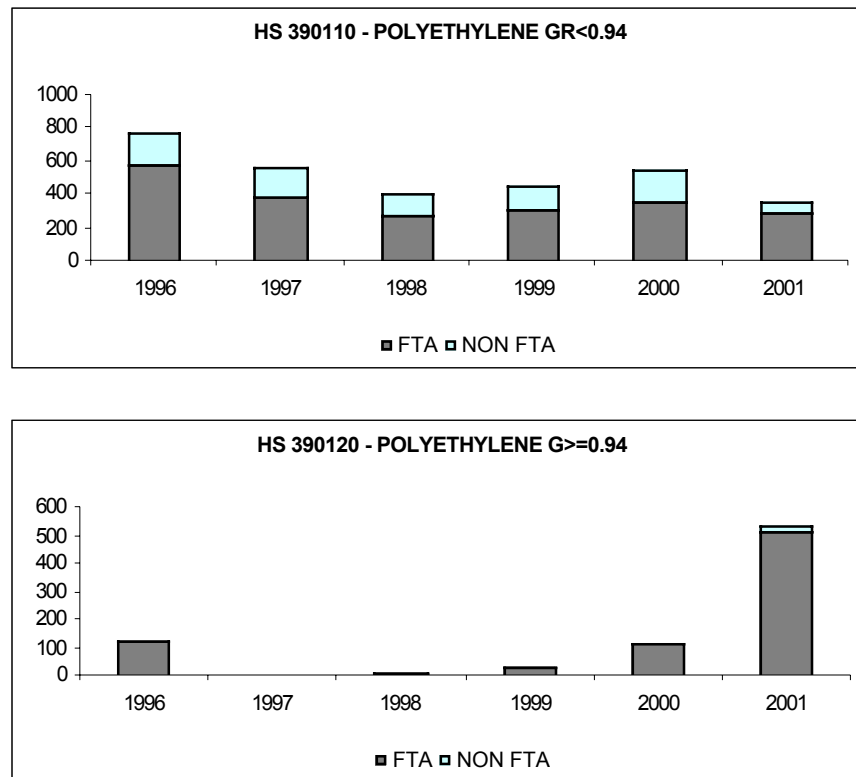
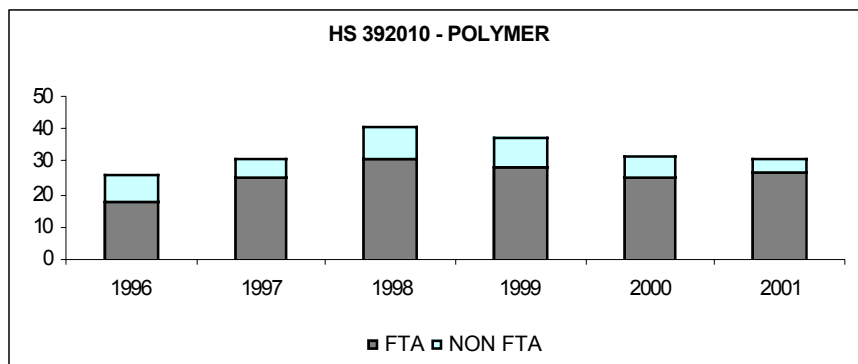
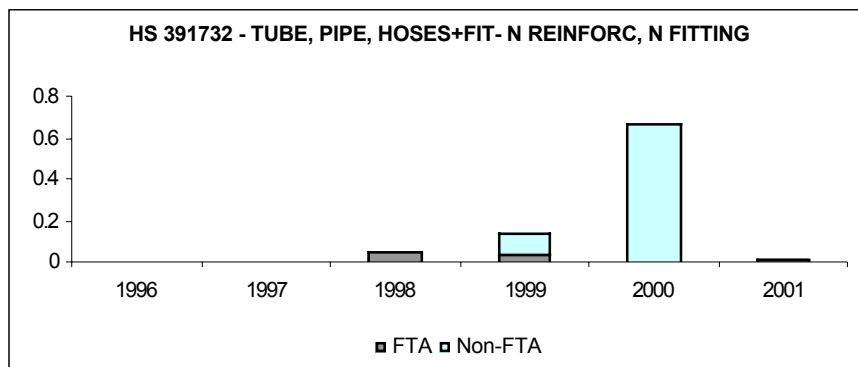
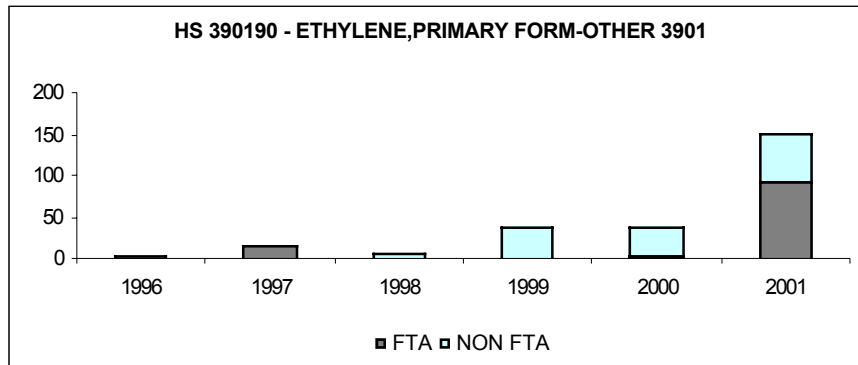


Figure 17. Alberta's Chapter 39 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 40 - Rubber And Articles Thereof

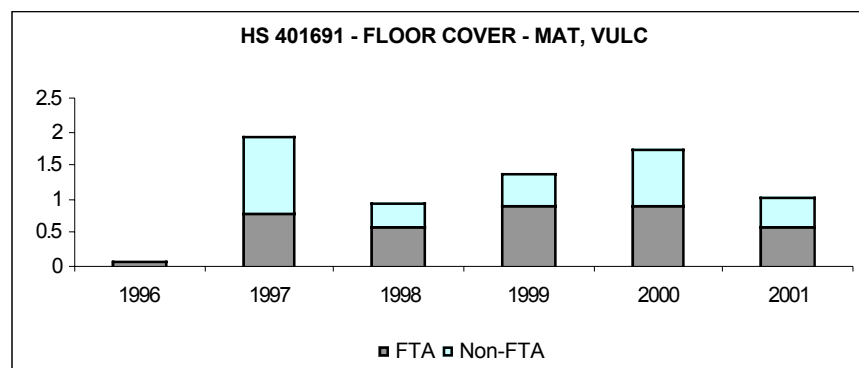
Table 35. Bound Tariff Summary: Chapter 40 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
401691	OT ART OF UNHARD,VULC - FLOOR COVR + MAT, VULC	EU 15	2.5%	0.345	0.246	0.492	0.598	0.381

Table 36. Alberta's Annual Chapter 40 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS	Description	1996	1997	1998	1999	2000	2001
401691	OT ART OF UNHARD,VULC -	0.063	1.193	0.351	0.496	0.862	0.454

Figure 18. Alberta's Chapter 40 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 41 - Hides And Skins

Table 37. Bound Tariff Summary: Chapter 41 – Selected Products
1996 - 2001, Export Values - \$ millions

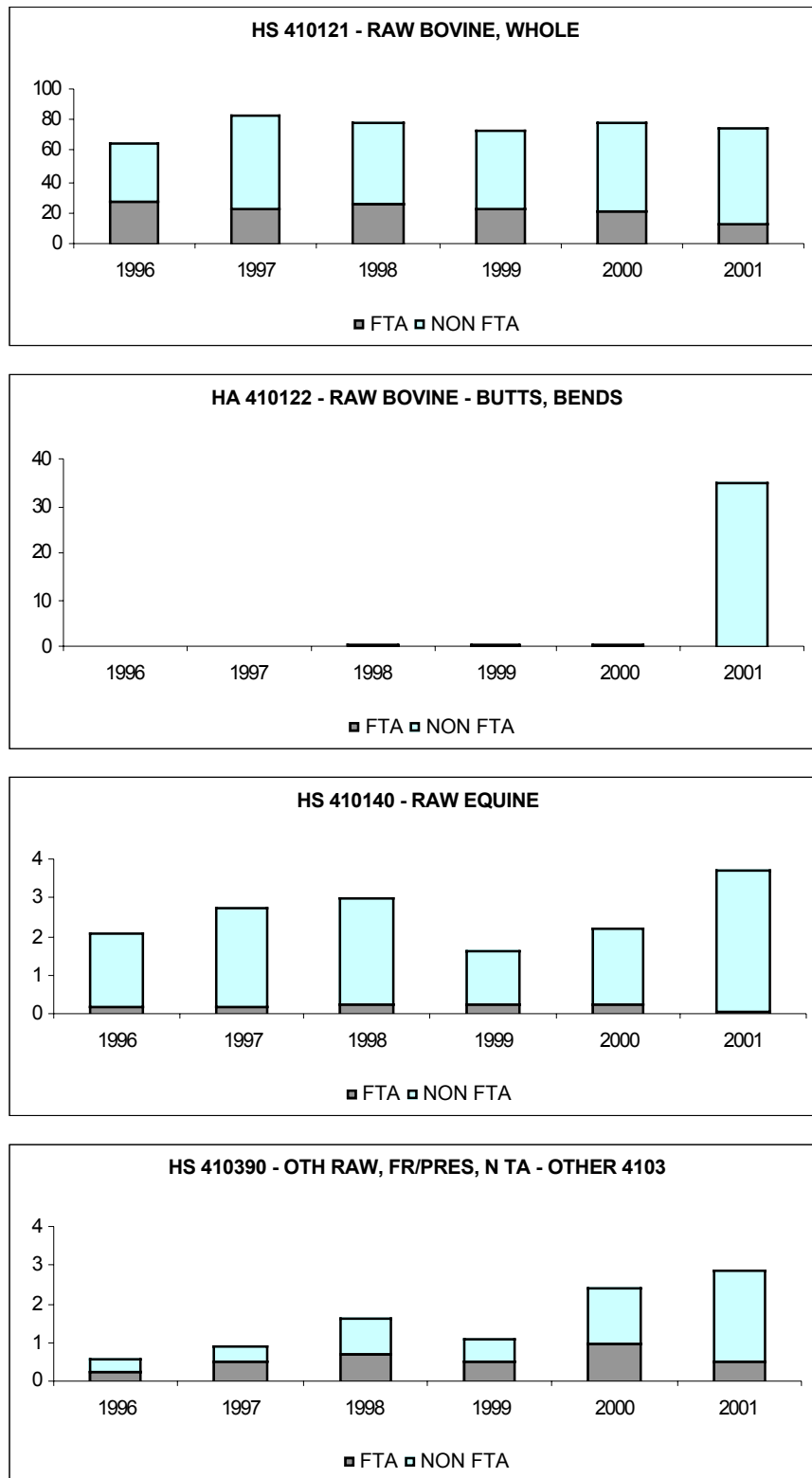
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
410121	RAW BOVINE, EQUINE - OTHER BOVINE,WHOLE	Taiwan	0%	31.530	29.871	21.242	18.134	26.891
		China	5%	7.294	5.951	12.002	24.041	23.380
		Korea, South	5%	3.917	2.182	2.858	6.735	4.278
		Hong Kong	0%	5.624	2.328	8.238	2.974	3.325
		Thailand	27%	2.033	5.247	1.802	4.691	2.644
		EU 15	0%	0.109	1.135	1.061	0.372	1.144
		Japan	0%	10.200	6.387	3.596	1.799	0.506
410122	RAW BOVINE, EQUINE - BUTTS,BENDS,BOVINE	China	5%	0.000	0.000	0.000	0.000	18.392
		Thailand	27%	0.000	0.000	0.000	0.000	7.325
		Korea, South	5%	0.000	0.000	0.000	0.000	5.993
		Taiwan	0%	0.000	0.000	0.000	0.000	2.186
		Hong Kong	0%	0.000	0.000	0.000	0.000	0.754
410129	RAW BOVINE, EQUINE - OT BOVINE,WET SALTD	Korea, South	5%	0.000	0.000	0.000	0.000	0.642
410130	RAW BOVINE, EQUINE - OTHER BOVINE	China	5%	0.000	0.000	0.000	0.000	0.665
410140	RAW BOVINE, EQUINE - EQUINE	Japan	0%	2.468	2.275	1.428	1.542	2.018
		China	5%	0.000	0.363	0.000	0.395	1.262
410221	OTHR RAW,SHEEP/LAMB - NO WOOL ON,PICKLED	Taiwan	0%	0.000	0.000	0.000	0.000	1.895
410390	OTH RAW,FR/PRES,N TAN - OTHER 4103	Taiwan	0%	0.346	0.415	0.544	1.383	2.008

Table 38. Alberta's Annual Chapter 41 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
410121	RAW BOVINE, EQUINE - OTHER BOVINE,WHOLE	36.978	60.746	53.369	50.799	58.746	62.167
410122	RAW BOVINE, EQUINE - BUTTS,BENDS,BOVINE	0.000	0.000	0.000	0.000	0.000	34.890
410129	RAW BOVINE, EQUINE - OT BOVINE,WET SALTD	0.000	0.000	0.091	0.026	0.000	0.739
410130	RAW BOVINE, EQUINE - OTHER BOVINE	0.000	0.000	0.000	0.000	0.090	0.929
410140	RAW BOVINE, EQUINE - EQUINE	1.900	2.537	2.747	1.428	1.937	3.667
410221	OTHER RAW, SHEEP/LAMB NO WOOL ON,PICKLED	0.000	0.000	0.000	0.000	0.000	1.928
410390	OTH RAW, FR/PRES, N TAN -	0.312	0.388	0.862	0.544	1.473	2.378

Asia remains the main destination for Alberta's exports of different types of raw bovine hides. China and Taiwan are the primary importers for raw bovine hides, followed by South Korea, Hong Kong and Thailand. Values of exports of raw bovine hides (HS 410121) to China have increased considerably since 1997. Bound tariffs for products in this Chapter range between 0% in Taiwan, 5% in China and 27% in Thailand. Non-FTA countries comprise the major markets for Chapter 41 products.

Figure 19. Alberta's Chapter 41 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 44 - Wood

Table 39. Bound Tariff Summary: Chapter 44 – Selected Markets
1996 - 2001, Export Values - \$ millions

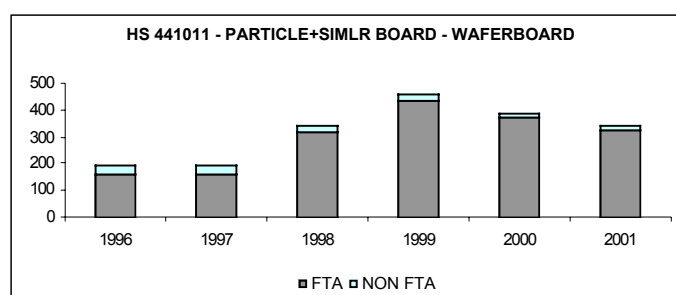
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
440710	LUMBER > 6MM THICK - CONIFEROUS	Japan	0 - 6%	108.615	56.728	70.464	68.246	47.272
		EU 15	0%	4.385	1.707	1.369	1.936	0.659
		Taiwan	0%	1.148	0.663	1.022	0.924	0.294
441011	PARTICLE+SIMLR BOARD - WAFERBOARD	Japan	5 - 6%	27.346	22.156	23.926	18.243	13.338
		China	4%	0.000	0.000	0.000	0.135	0.657
		Korea, South	8%	3.126	0.835	3.099	1.961	0.187
		Taiwan	0%	0.712	0.188	0.000	0.006	0.082
441121	FIBRBRD OF WD/OT LIGN - LIGN >.5 =<.8G/CM3	Japan	2.6%	2.744	2.278	0.888	0.832	0.697
		Taiwan	0%	3.235	1.277	2.768	0.005	0.031
		Hong Kong	0%	0.655	0.778	1.040	0.000	0.000
		Korea, South	n.a.	2.625	0.487	3.557	0.040	0.000
441810	BLDERS'JOINRY+CARPNTN WINDOWS + THEIR FRAMES	Japan	0%	0.887	0.273	1.474	1.062	0.260
		EU 15	3%	0.016	0.149	0.023	0.496	0.000
441890	BLDERS'JOINRY+CARPNTN OT BLDERS'JOIN+CARP	Japan	0 - 5%	2.571	0.186	0.147	0.520	0.583

Table 40. Alberta's Annual Chapter 44 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
440710	LUMBER > 6MM THICK - CONIFEROUS	117.362	114.491	59.279	72.855	71.438	48.536
441011	PARTICLE+SIMLR BOARD - WAFERBOARD	34.316	31.655	23.302	27.093	20.485	14.553
441810	BLDERS'JOINRY+CARPNTN - WINDOWS + THEIR FRAMES	0.959	0.939	0.422	1.575	1.628	0.528
441121	FIBRBRD OF WD/OT LIGN - LIGN >.5 =<.8G/CM3	6.810	9.447	5.300	9.027	0.877	0.729
441890	BLDERS'JOINRY+CARPNTN OT BLDERS'JOIN+CARP	1.218	3.252	0.264	0.352	0.706	0.938

The primary export destination of Chapter 44 products is the United States. Among the non-FTA countries, Japan plays a dominant role, in particular for softwood lumber and particleboard. The exports of both products to non-FTA destinations showed a decrease in 2001 of approximately 30%. Between 1996 and 2001, the export values of softwood lumber and particleboard showed a decrease of 58%. This decline is mainly accounted for by decreasing exports to Japan. Bound tariffs in Japan for softwood lumber and particleboard range from 0 to 6%. Other destinations for Chapter 44 products include the EU, Taiwan, China and South Korea.

Figure 20. Alberta's Chapter 44 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 47 - Woodpulp, Etc.

Table 41. Bound Tariff Summary: Chapter 47 – Selected Markets
1996 - 2001, Export Values - \$ millions

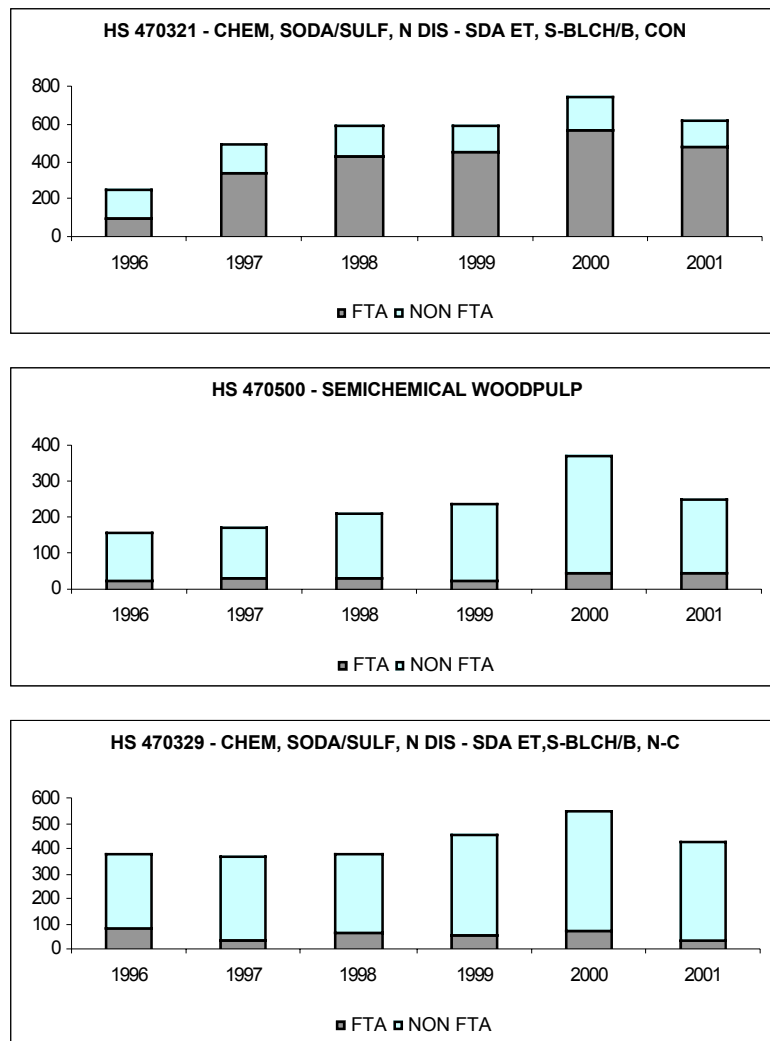
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
470321	CHEM,SODA/SULF,N DIS - SDA ET,S-BLCH/B,CON	Japan	0%	65.583	70.364	59.407	69.429	52.737
		EU 15	0%	48.954	49.636	41.603	42.070	32.722
		Korea, South	0%	6.062	3.292	11.942	23.250	19.021
		Taiwan	0%	11.679	11.781	12.892	17.786	18.110
		China	0%	0.592	2.456	6.552	11.921	6.694
		Indonesia	40%	5.637	5.487	1.279	5.034	4.261
		Thailand	n.a.	6.241	3.887	2.281	6.189	3.326
		Malaysia	5%	3.677	4.268	3.817	5.335	2.916
		Philippines	10%	0.000	0.271	0.833	1.710	2.493
		Brazil	20%	0.000	5.044	2.944	0.000	1.010
		Australia	0%	0.720	0.000	0.000	0.177	0.980
		Iran	n.a.	1.062	0.000	0.000	0.000	0.000
		Bahrain	n.a.	0.994	0.000	0.000	0.000	0.000
470329	CHEM,SODA/SULF,N DIS - SDA ET,S-BLCH/B,N-C	Japan	0%	166.243	115.837	142.465	180.693	132.871
		Korea, South	0%	69.865	102.302	144.367	162.101	128.211
		EU 15	0%	90.627	91.630	79.651	125.036	82.268
		China	0%	0.000	0.000	20.312	0.605	27.097
		Hong Kong	0%	0.000	0.000	0.000	0.000	14.654
		Taiwan	0%	2.406	2.320	5.009	4.258	3.022
		Indonesia	40%	0.750	1.727	4.392	1.979	0.170
		Australia	0%	0.000	2.221	0.000	1.315	0.000
470500	SEMICHEMICAL WOODPULP	EU 15	0%	63.664	75.891	92.814	150.017	98.761
		China	0%	11.788	19.206	28.935	32.825	40.689
		Korea, South	0%	12.520	5.612	12.730	41.761	24.880
		Japan	0%	24.706	30.502	31.789	40.102	21.742
		Taiwan	0%	13.566	16.173	20.248	31.235	11.535
		Indonesia	40%	11.082	21.826	18.345	17.319	9.633
		Brazil	35%	0.110	0.941	0.073	0.597	1.632
		Switzerland	4.1% OR fr 1.9/100kg	0.009	3.677	6.810	10.845	0.688
		Philippines	10%	0.440	0.520	0.358	0.790	0.000
		India	25%	0.000	2.529	0.000	0.639	0.141
		Korea, North	n.a.	0.000	0.000	0.890	0.000	0.000
		Venezuela	35 - 40%	0.000	0.813	0.000	0.000	0.000
		Thailand	20%	0.901	0.000	0.000	0.000	0.000

Table 42. Alberta's Annual Chapter 47 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
470321	CHEM,SODA/SULF,N DIS - SDA ET,S-BLCH/B,CON	147.342	151.611	156.496	143.551	182.901	144.390
470329	CHEM,SODA/SULF,N DIS - SDA ET,S-BLCH/B,N-C	294.985	329.890	316.039	396.483	475.986	388.925
470500	SEMICHEMICAL WOODPULP	132.478	138.785	177.768	213.026	326.806	210.048

Chapter 47, wood pulp, was one of the major export categories from Alberta to non-FTA countries. For chemical wood pulp, non-coniferous, and semi chemical wood pulp, Alberta's exports to non-FTA countries were considerably higher than to FTA countries. Japan, the EU, South Korea, Taiwan remain the major export destinations. Although exports of semi-chemical wood pulp to the EU, South Korea and Japan have decreased considerably in 2001, these countries remained important export destinations. The above mentioned countries have 0% bound tariffs for wood pulp. High tariffs are shown for Indonesia (40%) and Brazil (20-35%), with Indonesia as an important import destination for chemical wood pulp (coniferous) and semi-chemical wood pulp.

Figure 21. Alberta's Chapter 47 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 48 - Paper, Paperboard & 49 - Printed Materials

Table 43. Bound Tariff Summary: Chapter 48 & 49 – Selected Markets
1996 - 2001, Export Values - \$ millions

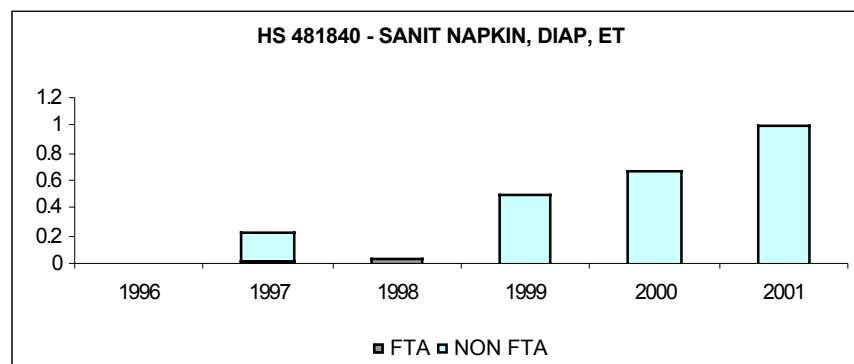
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
481840	TOILET+SIM H-HLD SANT - SANIT NAPKN,DIAP,ET	Taiwan	0%	0.220	0.000	0.423	0.677	0.926
490199	BOOKS, BROCHURES,ETC - OTHER 4901	EU 15 Russia	0% n.a.	0.496 0.007	0.907 0.000	5.920 0.000	0.758 0.581	0.232 0.000

Table 44. Alberta's Annual Chapter 48 & 49 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
481840	TOILET+SIM H-HLD SANT - SANIT NAPKN,DIAP,ET	0.000	0.220	0.000	0.500	0.677	1.010
490199	BOOKS, BROCHURES,ETC - OTHER 4901	0.958	0.733	1.181	6.396	2.888	1.609

The major export destination for Chapter 48 products was Taiwan in 2001 and previous years, and the EU for Chapter 49 products, both having 0% bound tariffs. While the major product in Chapter 48 is almost exclusively exported to non-FTA countries, exports in Chapter 49 are dominated by FTA-markets. There has been a significant decrease in exports of books/brochures to the EU since 1999.

Figure 22. Alberta's Chapter 48 & 49 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 55 - Manmade Staple Fibres

Table 45. Bound Tariff Summary: Chapter 55 – Selected Markets
1996 - 2001, Export Values - \$ millions

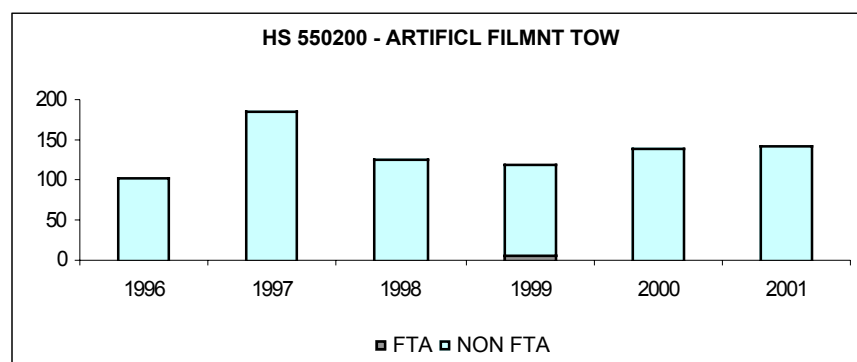
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
550200	ARTIFICL FILMNT TOW	China	3 - 5%	104.981	76.322	69.180	94.458	90.252
		Hong Kong	0%	44.764	28.381	19.741	17.689	11.066
		EU 15	4%	0.000	0.000	0.075	0.367	8.568
		Korea, South	7.5%	10.923	7.251	5.270	5.619	6.535
		Malaysia	5%	0.000	0.034	2.623	8.289	5.190
		Indonesia	40%	2.751	1.135	0.445	2.607	3.694
		India	40%	0.899	1.006	0.715	1.343	3.618
		Australia	0%	4.481	4.824	4.867	1.745	3.531
		Vietnam	n.a.	4.799	3.613	3.696	3.092	2.782
		Egypt	5%	0.000	0.000	0.000	0.000	2.155
		Thailand	30%	6.710	0.999	1.950	1.734	1.915
		Pakistan	40%	2.192	1.515	0.000	0.965	1.868
		Bangladesh	2.5%	0.215	0.107	0.000	0.784	1.285
		Singapore	10%	0.000	0.000	0.348	0.344	0.830
		Philippines	12.5%	0.324	0.227	3.105	0.663	0.692
Taiwan	1.9%	2.674	0.000	0.000	0.000	0.000		
New Zealand	0%	0.000	0.000	0.701	0.000	0.000		

Table 46. Alberta's Annual Chapter 55 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
550200	ARTIFICL FILMNT TOW	102.334	185.713	125.416	112.766	140.235	144.090

Chapter 55 exports were mainly accounted for by artificial filament tow. This product was almost exclusively exported to non-FTA nations. China remained the major export destination, although export values showed a decline since 1997. While the bound rate for China has been reduced considerably from 35% in 1999 to 3-5% in 2001, the high value of exports to China suggests further reductions in rates would be beneficial. Other major export destinations, such as the EU, South Korea and Malaysia, have tariffs of 4%, 7.5% and 5% respectively. Indonesia and India, ranking six and seven according to the 2001-export value, have very high tariffs of 40% on imports of Chapter 55 products. Both countries have experienced a growth in imports of artificial filament tow from Alberta since 1997. Among the major export destinations in this Chapter, only Hong Kong and Australia have no import duty.

Figure 23. Alberta's Chapter 55 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 62 - Woven Apparel & 63 - Misc Textile Articles

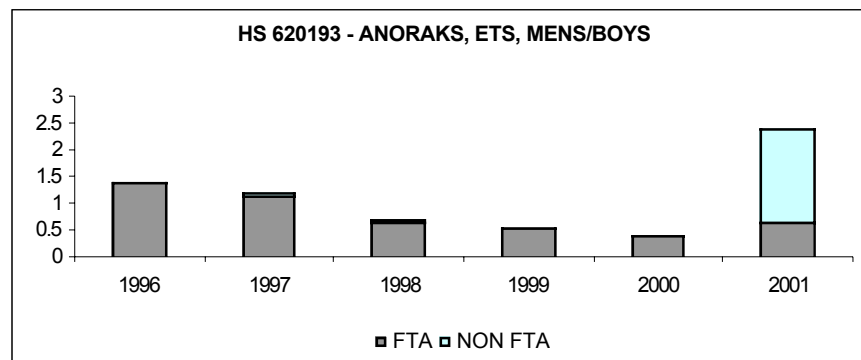
Table 47. Bound Tariff Summary: Chapter 62 & 63 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
620193	OVERCOAT,ETC,MENS/BOYS - ANORAKS,ETC,M-M FIB	Libya	n.a.	0.000	0.000	0.000	0.000	1.770
630900	WRN CLTH+O WRN TX A	Tanzania	n.a.	0.022	0.012	0.015	0.126	0.532

Table 48. Alberta's Annual Chapter 62 & 63 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS	Description	1996	1997	1998	1999	2000	2001
620193	OVERCOAT,ETC,MENS/BOYS - ANORAKS,ETC,M-M FIB	0.018	0.026	0.041	0.014	0.003	1.770
630900	WRN CLTH+O WRN TX ART	1.625	0.919	0.726	0.245	0.240	0.970

Figure 24. Alberta's Chapter 62 & 63 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 69 - Ceramic Products & Hs Chapter 70 - Glass & Glassware

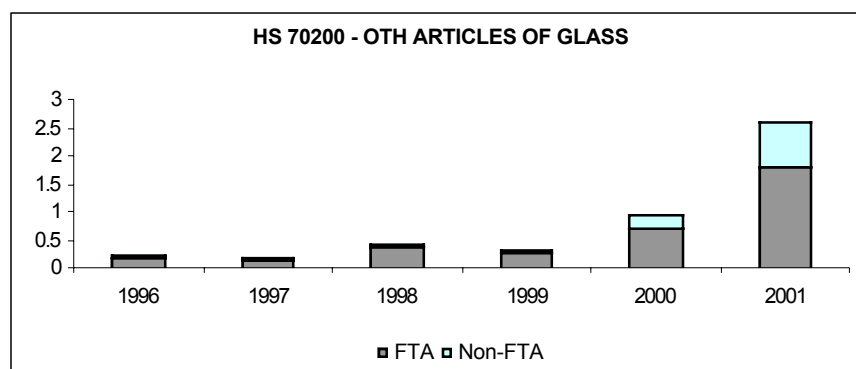
Table 49. Bound Tariff Summary: Chapter 69 & 70 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
690919	LAB, ET, WRE, AGR T UB, ET - O WRE F LAB, ETC USE	EU 15	5%	0.000	0.961	0.000	0.000	0.000
691490	CERAMIC ARTICLE, NESOI	EU 15	3%	0.572	0.511	0.487	0.839	0.010
702000	OTH ARTICLES OF GLASS	EU 15	3%	0.000	0.000	0.000	0.170	0.825

Table 50. Alberta's Annual Chapter 69 & 70 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
690919	LAB, ET, WRE, AGR T UB, ET - O WRE F LAB, ETC USE	0.053	0.000	1.030	0.109	0.000	0.219
691490	CERAMIC ARTICLE, NESOI	0.104	0.572	0.524	1.342	2.367	0.010
702000	OTH ARTICLES OF GLASS	0.065	0.024	0.034	0.046	0.201	0.825

Figure 25. Alberta's Chapter 69 & 70 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 72 - Iron and Steel

Table 51. Bound Tariff Summary: Chapter 72 – Selected Markets
1996 - 2001, Export Values - \$ millions

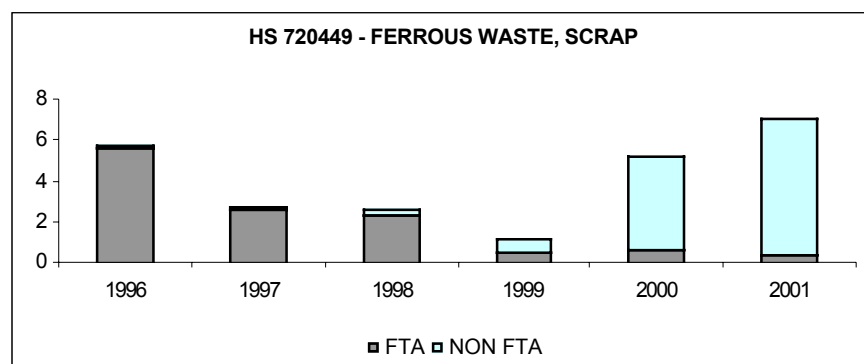
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
720449	FERROUS WASTE, SCRAP;O - OTHER FERROUS	China	0%	0.055	0.027	0.494	4.505	6.619
721250	F ROLLED<600, CLAD, ETC - O-WISE PLATED/COATD	EU 15	0%	0.000	0.000	0.000	0.000	1.070

Table 52. Alberta's Annual Chapter 72 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
720449	FERROUS WASTE, SCRAP;O - OTHER FERROUS	0.098	0.173	0.232	0.586	4.645	6.733
721250	F ROLLED<600, CLAD, ETC -	0.111	0.000	0.000	0.000	0.000	1.070

Chapter 72 exports consisted primarily of ferrous waste and scrap and have been increasing steadily since 1997. They are almost entirely accounted for by exports to China, which has a 0% bound tariff rate. While in 1996 ferrous waste and scrap were mainly exported to FTA nations, in 2000 and 2001 non-FTA countries have become the main export destinations for this product.

Figure 26. Alberta's Chapter 72 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 73 - Iron/Steel Products

**Table 53. Bound Tariff Summary: Chapter 73 – Selected Markets
1996 - 2001, Export Values - \$ millions**

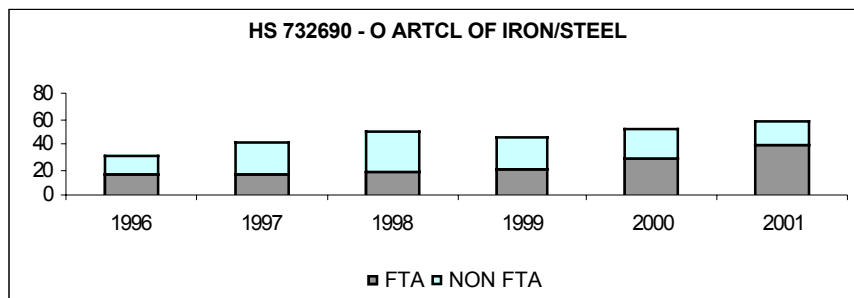
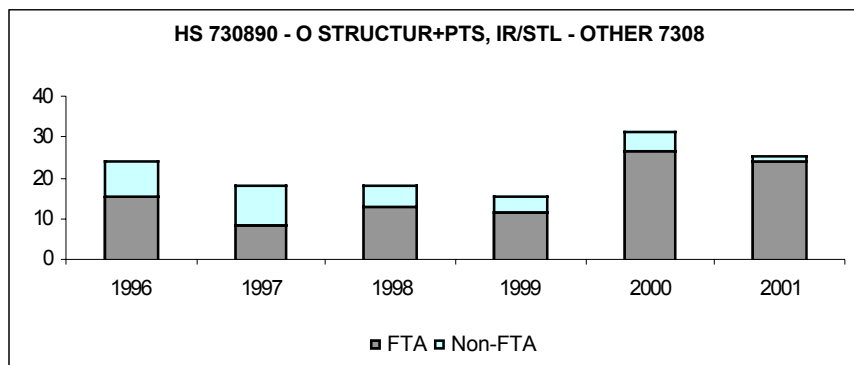
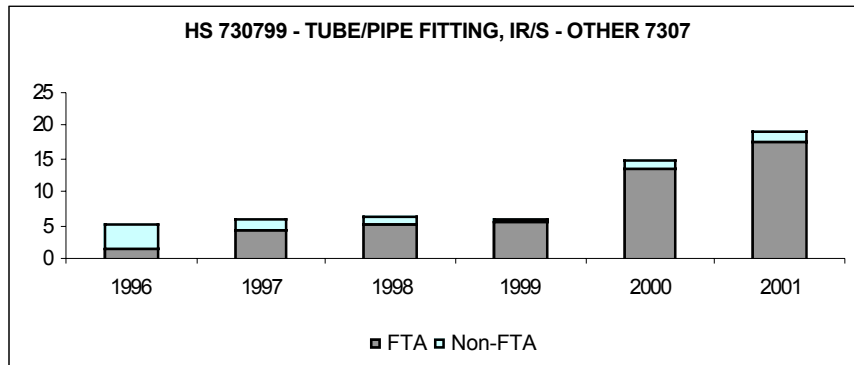
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
730410	TUBE,PIPE,SEAMLESS - OIL/GAS PIPELINE	Turkey	16%	3.347	0.000	0.000	0.000	0.000
730421	TUBE,PIPE,SEAMLESS - OIL,GAS DRILLING	Pakistan	n.a.	0.985	0.000	0.000	0.000	0.000
730429	TUBE,PIPE,SEAMLESS - CAS+TUB OIL,GS DRLL	South Africa	n.a.	0.000	0.000	0.000	0.000	0.732
		Venezuela	35 - 40%	1.992	0.878	0.000	0.008	0.009
730610	O TUBE, PIPE, HOLL PROF - OT PIPE FOR OIL/GAS	Venezuela	35 - 40%	0.000	0.000	0.143	0.515	0.444
730791	TUBE/PIPE FITTING, IR/S - OTHER FLANGES	Bahrain	35%	0.000	0.000	0.000	0.562	0.000
730799	TUBE/PIPE FITTING, IR/S - OTHER 7307	EU 15	3.7%	0.130	0.162	0.052	0.530	0.218
		Singapore	10%	0.026	0.606	0.012	0.161	0.148
		Turkey	13%	0.792	0.000	0.000	0.000	0.000
730890	O STRUCTUR + PTS, IR/STL - OTHER 7308	Turkey	13%	0.092	0.085	0.000	2.606	0.039
		Japan	0%	1.018	0.873	1.213	0.477	0.013
		EU 15	0%	0.638	0.553	1.199	0.175	0.042
		Angola	60%	0.000	1.752	0.071	0.000	0.000
		Russia	n.a.	4.413	0.256	0.302	0.155	0.189
		Iran	n.a.	0.708	0.000	0.000	0.000	0.000
730900	TANK,ET>300LT CAPACITY -	Russia	n.a.	0.380	0.000	0.000	0.592	0.148
731010	TANK,ETC=<300 LT CAPAC - TANK,ET 50-300 LITER	Russia	n.a.	0.000	0.000	0.000	0.699	0.000
		Singapore	n.a.	0.000	1.670	0.000	0.196	0.000
		Philippines	n.a.	0.000	0.502	0.012	0.000	0.000
732690	O ARTCL OF IRON/STEEL - OTHER 7326	EU 15	2.7%	0.983	8.718	20.359	17.580	12.188
		Venezuela	35 - 40%	0.393	0.884	1.162	1.662	1.178
		India	n.a.	0.045	0.057	0.000	0.001	1.090
		Cuba	n.a.	0.069	0.085	0.058	0.277	0.712
		Norway	3%	1.210	0.000	0.000	0.000	0.544
		U. A. Emirates	15%	0.214	0.000	0.000	0.010	0.524
		Iran	n.a.	0.000	0.000	1.557	0.007	0.000
		Brazil	35%	0.000	12.538	0.000	0.000	0.021
		China	8 - 10.5%	14.809	4.270	0.000	0.481	0.026
		Sudan	n.a.	0.000	0.969	0.098	0.119	0.195
732690	O ARTCL OF IRON/STEEL - OTHER 7326	Libya	n.a.	0.839	0.740	0.120	0.214	0.255
		Algeria	n.a.	0.101	0.658	0.214	0.343	0.005
		Philippines	n.a.	5.740	0.628	0.073	0.000	0.000
		Ecuador	25%	0.000	0.584	0.021	0.000	0.000

Table 54. Alberta's Annual Chapter 73 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
730410	TUBE,PIPE,SEAMLESS - OIL/GAS PIPELINE	0.252	3.395	0.007	0.000	0.034	0.000
730421	TUBE,PIPE,SEAMLESS - OIL,GAS DRILLING	0.669	1.632	0.028	0.010	0.000	0.076
730429	CAS+TUB OIL,GS DRLL	0.424	2.079	1.072	0.004	0.122	0.741
730610	O TUBE, PIPE, HOLL PROF - OT PIPE FOR OIL/GAS	0.879	0.037	0.006	0.158	0.515	0.447
730791	TUBE/PIPE FITTING, IR/S - OTHER FLANGES	0.063	0.202	0.133	0.332	0.616	0.139
730799	TUBE/PIPE FITTING, IR/S - OTHER 7307	3.544	1.440	1.431	0.740	0.995	1.794
730890	O STRUCTUR + PTS, IR/STL - OTHER 7308	8.818	10.265	5.113	4.099	4.792	1.636
730900	TANK,ET>300LT CAPACITY	0.218	0.409	0.715	0.312	0.933	0.721
731010	TANK,ETC=<=300 LT CAPAC - TANK,ET 50-300 LITER	0.009	0.052	2.234	0.122	0.989	0.075
732690	O ARTCL OF IRON/STEEL	15.576	25.980	31.390	24.071	22.934	18.087

The products that were exported by Alberta in Chapter 73 were often related to energy sector infrastructure and were sold to other energy producing or mining nations, such as South Africa, Venezuela, Bahrain and Russia. For the major products in this Chapter, FTA countries remain the most important export destinations for Alberta. Tariffs bindings for non-FTA countries in this Chapter are often high, ranging from 15% in the United Arab Emirates to 25% in Ecuador, 35% in Brazil and 35 - 40% in Venezuela. Tariff reduction efforts could, therefore, focus on countries with a need for improved energy industry infrastructure and thus for products such as pipelines, refining facility parts and drilling equipment.

Figure 27. Alberta's Chapter 73 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 75 - Nickel+Articles Thereof

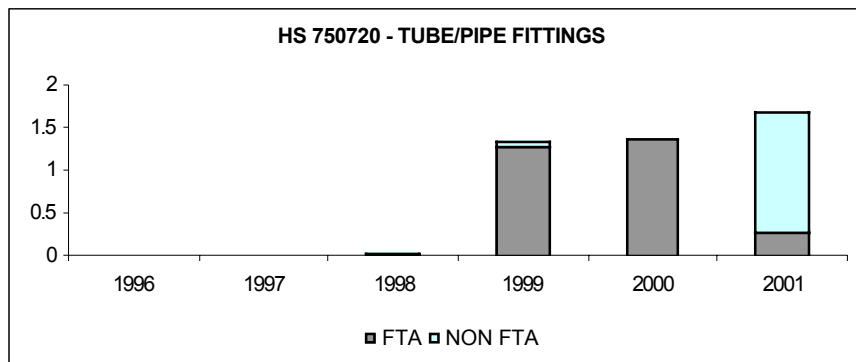
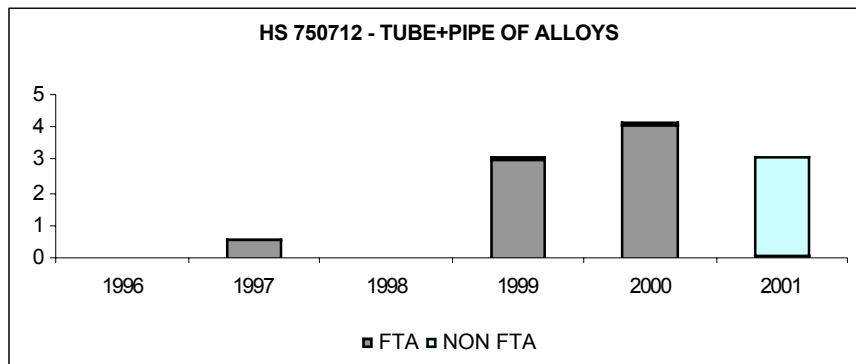
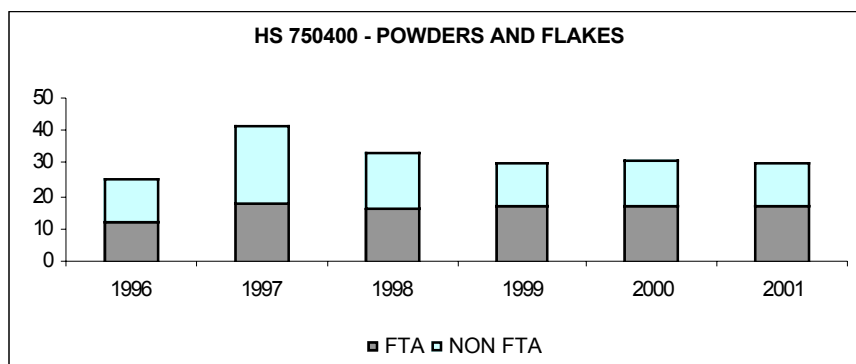
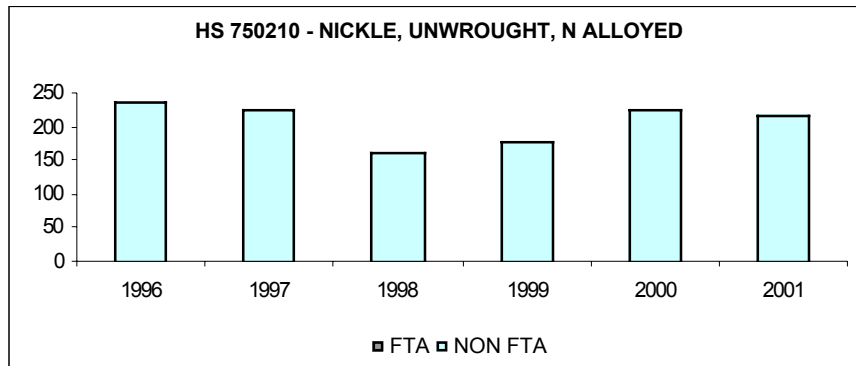
Table 55. Bound Tariff Summary: Chapter 75 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
750210	NICKLE, UNWROUGHT - UNWROUGHT,N ALLOYED	EU 15	0%	161.166	126.780	154.497	206.658	189.618
		Singapore	10%	9.002	2.180	1.610	9.871	15.145
		China	3%	0.000	0.127	0.000	0.000	4.428
		Korea, South	5%	11.177	6.715	15.901	0.000	3.752
		Taiwan	0%	11.177	6.715	1.164	0.436	3.607
		Japan	44 yen/kg	13.017	3.081	5.017	8.470	1.691
		Switzerland	0.1% + fr 0.17/100kg	21.701	20.367	1.879	0.000	1.249
		Turkey	13 - 14%	0.554	0.000	0.000	0.000	0.000
750300	WASTE AND SCRAP	Japan	0%	1.656	0.782	0.553	3.511	0.000
750400	POWDERS AND FLAKES	EU 15	0%	13.021	10.958	8.468	7.674	7.226
		Japan	0 - 3% OR 41 yen/kg	3.273	2.279	1.825	2.791	3.106
		Korea, South	5%	1.532	0.398	0.274	1.265	1.327
		Taiwan	0%	4.017	1.585	0.568	1.876	1.169
		China	4%	0.000	0.986	0.866	0.000	0.161
		Singapore	10%	0.192	0.605	0.470	0.004	0.000
		South Africa	5%	0.160	0.257	0.514	0.362	0.064
		Switzerland	0.1%+ fr 0.28/100kg	0.941	0.000	0.000	0.000	0.026
		Thailand	20%	0.618	0.000	0.029	0.121	0.149
750712	TUBE, PIPE+TUBE/ P FITT	EU 15	0%	0.000	0.000	0.095	0.000	1.717
	TUBE+PIPE OF ALLOYS	Brazil	25%	0.000	0.000	0.000	0.000	1.016
750720	TUBE, PIPE+TUBE/ P FITT	Japan	0%	0.000	0.000	0.000	0.000	0.761
	TUBE/PIPE FITTINGS	Brazil	35%	0.000	0.000	0.000	0.000	0.640

Table 56. Alberta's Annual Chapter 75 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
750210	NICKLE, UNWROUGHT -	237.799	226.139	163.494	180.067	225.435	219.488
750300	WASTE AND SCRAP	0.094	1.656	0.782	0.553	3.511	0.000
750400	POWDERS AND FLAKES	12.961	23.797	17.161	13.067	14.211	13.265
750712	TUBE+PIPE OF ALLOYS	0.000	0.000	0.000	0.104	0.149	3.082
750720	TUBE/PIPE FITTINGS		0.008	0.000	0.020	0.056	0.000

Figure 28. Alberta's Chapter 75 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



The most important export product for Alberta in Chapter 75 was unwrought, not alloyed nickel (HS 750210), which was exclusively exported to non-FTA nations. During the last years, it was mainly shipped to Europe. Among the non-FTA countries, Europe also dominated the exports of nickel powders and flakes and nickel tube and pipe fittings (HS 750712). The EU has a 0% bound tariff rate for nickel and nickel articles. Other major export destinations for Chapter 75 products were Singapore, China, South Korea and Japan, having bound tariffs of 10%, 3%, 5% and 0 - 3% respectively. Considering the large and increasing export values to these countries, particularly to Singapore, tariff reduction for Chapter 75 products could be beneficial for Alberta's nickel exports.

HS Chapter 76 - Aluminum

Table 57. Bound Tariff Summary: Chapter 76 – Selected Markets
1996 - 2001, Export Values - \$ millions

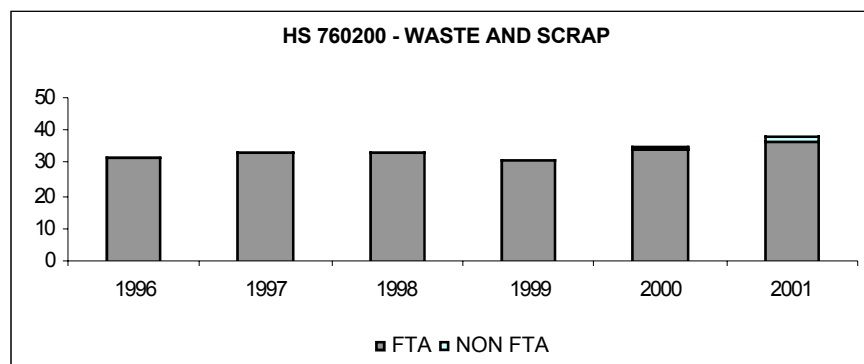
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
760200	WASTE AND SCRAP	China	1.5%	0.000	0.000	0.062	0.479	1.735
761300	CONTAINER CMPR, LQ GAS - F COMPRESS/LIQD GAS	EU 15	6%	0.091	1.284	0.051	0.346	0.556

Table 58. Alberta's Annual Chapter 76 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
760200	WASTE AND SCRAP	0.297	0.031	0.000	0.128	0.528	1.735
761300	CONTAINER CMPR, LQ GAS -	0.000	0.091	1.325	0.105	0.499	0.556

The main export product in Chapter 76 from Alberta was aluminum waste and scrap, which was shipped almost entirely to FTA nations. Among the non-FTA export destinations, China played a dominant role. China's bound tariff is set at 1.5%. The tariff of the EU for aluminum containers is relatively high at 6% and could, therefore, be considered for tariff reduction.

Figure 29. Alberta's Chapter 76 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 81 - Other Base Metals, Etc

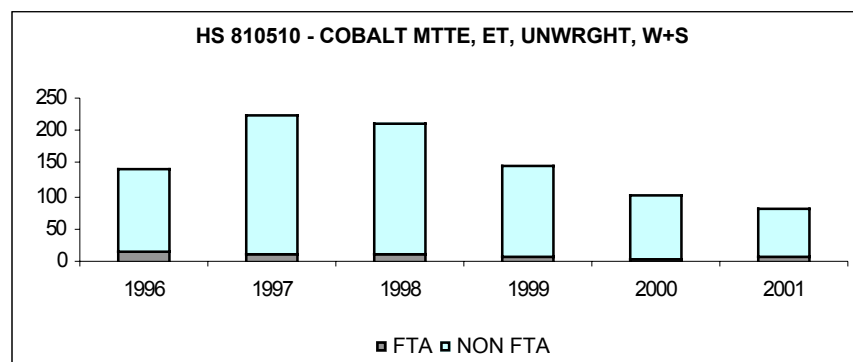
Table 59. Bound Tariff Summary: Chapter 81 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
810510	COBLT MTTE,ET;ART;W+S - MTTE,ET;UNWRGHT;W+S	EU 15	0%	77.272	78.049	48.368	27.810	33.017
		Japan	0%	87.082	61.215	51.075	49.138	27.751
		Singapore	10%	33.486	43.931	26.464	14.879	8.973
		Hong Kong	0%	3.503	0.385	10.544	2.369	2.219
		Korea, South	5%	0.000	1.056	0.434	0.557	1.137
		China	4%	6.407	9.106	4.247	1.035	0.643
		India	40%	0.000	0.000	0.000	0.967	0.047
		Taiwan	0%	3.223	6.172	0.226	0.000	0.000
		South Africa	5%	0.629	1.500	0.000	0.000	0.000
		Malaysia	5%	1.367	0.000	0.000	0.000	0.000
810890	TITANIUM+ART;WST+SCRP OTHER 8108	Cuba	n.a.	0.026	1.197	0.132	0.076	1.274

Table 60. Alberta's Annual Chapter 81 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
810510	COBLT MTTE,ET;ART;W+S - MTTE,ET;UNWRGHT;W+S	128.762	213.301	201.414	141.482	96.880	73.788
810890	TITANIUM+ART;WST+SCRP OTHER 8108	0.012	0.026	1.210	0.132	0.076	1.274

Figure 30. Alberta's Chapter 81 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 82 - Tools And Cutlery Of Base Metals

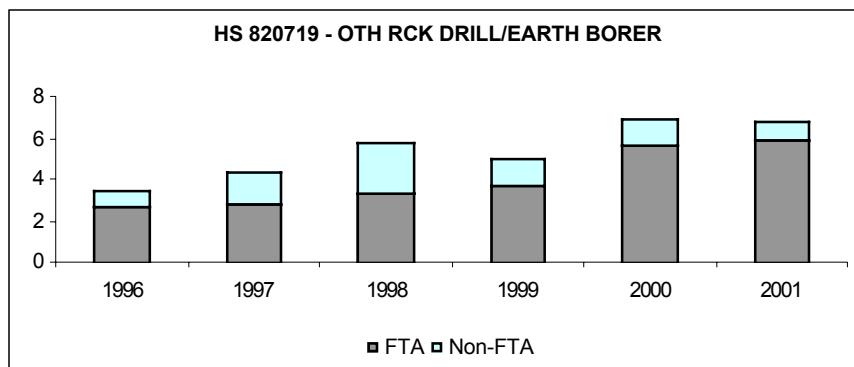
Table 61. Bound Tariff Summary: Chapter 82 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
820719	INTERCHANGE HAND/MACH - O RCK DRLL/ERTH BOR	Cuba	n.a.	0.228	1.035	0.932	0.409	0.199

Table 62. Alberta's Annual Chapter 82 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - selected products

HS Code	Description	1996	1997	1998	1999	2000	2001
820719	INTERCHANGE HAND/MACH - O RCK DRLL/ERTH BOR	0.765	1.508	2.459	1.316	1.282	0.832

Figure 31. Alberta's Chapter 82 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 84 – Machinery And Mechanical Appliances

Table 63. Bound Tariff Summary: Chapter 84 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
840219	OTHR STEAM GENERATING VAPOR BOILERS	China	5%	0.000	0.000	0.181	1.285	0.000
840290	OTHR STEAM GENERATING PTS F SUP-HEAT BOIL	Qatar	15%	0.000	1.057	0.000	0.000	0.000
840890	COMPRESSION, IGNITION COMPRESSION-IGNTN,O	Czech Rep. Australia	4% n.a.	0.000 0.000	0.000 1.000	0.000 0.000	1.209 0.050	0.000 0.000
840991	PARTS ENGS 8407,8408 - O SPARK-IGNITN PRTS	EU 15 Iran	2.7% n.a.	0.000 0.000	0.093 0.000	0.022 0.000	0.142 0.832	1.683 0.837
841111	GAS TURBINES - JET THRUST =< 25 KN	EU 15	0 - 3.2%	0.000	0.503	0.000	0.765	0.000
841112	GAS TURBINES - JET THRUST > 25 KN	EU 15	0 - 2.7%	2.600	0.000	0.000	0.948	0.000
841121	GAS TURBINES - PROPELLER =<1100 KW	EU 15 Switzerland Korea, South Singapore Brazil New Zealand Australia Japan Kenya French Pol.	0 - 3.6% 0.1% + fr 60/100kg 5 - 13% 10% 35% 5% 0% 0% n.a. n.a.	0.000 0.000 0.000 0.000 0.000 0.000 2.257 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.434 0.000 0.000 0.000 0.000 0.000 1.902 1.042 0.000 0.000 0.000	13.457 0.967 4.730 0.000 0.000 0.000 0.555 0.000 0.000 1.437 0.988	34.592 2.935 2.214 1.904 1.409 1.135 0.748 0.682 0.678 0.296
841181	GAS TURBINES - OTHER =< 5000 KW	Japan	0%	0.000	0.000	4.349	0.840	2.159
841191	GAS TURBINES - PARTS,JET,PROPELLER	EU 15	0 - 2.7%	0.029	0.011	2.175	2.693	0.663
841199	GAS TURBINES - PARTS,NOT JET,PROP	EU 15	0 - 4.1%	0.000	0.000	0.000	2.342	2.722
841229	OTHER ENGINE,MOTORS - HYDRO ENG,N LIN ACT	China EU 15 Singapore Nigeria	10 - 14% 0 - 4.2% 10% n.a.	0.294 1.343 1.991 0.000	0.514 2.182 0.828 0.000	0.000 0.238 0.067 0.000	0.128 0.994 1.087 0.615	4.194 1.039 0.658 0.273
841229	OTHER ENGINE,MOTORS - HYDRO ENG,N LIN ACT	Norway U. A. Emirates	4% 15%	0.024 0.638	1.152 0.189	0.000 0.223	0.000 0.000	0.221 0.394
841290	OTHER ENGINE,MOTORS - ENGINE,MOTOR PART O	Norway EU 15 U. A. Emirates Venezuela Saudi Arabia Egypt Singapore Brazil Russia Colombia Argentina Nigeria Algeria Thailand Indonesia South Africa Qatar Australia	4% 0 - 2.7% 15% 35% - 40% n.a. 20% 10% 35% n.a. 35% n.a. n.a. n.a. n.a. 0% 15% 15% 0 - 15%	0.608 7.279 5.017 1.635 0.664 1.677 3.289 0.000 0.031 3.516 0.000 0.000 0.000 0.000 0.000 0.000 1.648 0.658	0.310 5.862 6.251 0.867 0.518 1.102 1.954 0.000 0.000 0.696 0.000 0.000 0.000 0.000 0.000 0.000 0.780 0.592	0.541 2.272 2.267 2.135 0.143 0.370 2.185 0.024 0.116 0.619 0.000 0.000 0.000 0.321 0.377 0.535 0.126 0.190	1.313 7.528 5.223 4.483 0.273 1.712 3.045 2.729 0.638 0.627 0.594 0.112 0.318 0.978 0.808 0.233 0.275 0.022	12.773 11.380 8.857 6.636 6.115 2.317 2.297 1.723 1.708 1.066 1.059 0.911 0.627 0.606 0.301 0.360 0.019 0.010

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
841311	LIQUID PUMPS,ELEV - PUMP,FUEL/LUB,GARAG	China	10%	0.000	0.000	0.000	1.190	0.000
841350	LIQUID PUMPS,ELEV - OTHER RECIPROCATING	Venezuela	35 - 40%	0.000	0.014	0.000	0.588	0.000
841360	LIQUID PUMPS,ELEV - O ROTAR DISPLC PUMP	Cuba	n.a.	0.016	0.176	0.081	0.215	0.716
841370	LIQUID PUMPS,ELEV - O CENTRIFUGAL PUMPS	Cuba	n.a.	0.022	0.044	0.098	0.583	0.423
841381	LIQUID PUMPS,ELEV - OTHER PUMP LIQUIDS	China	8%	1.076	0.214	1.903	2.012	8.740
		Venezuela	35 - 40%	0.052	0.472	1.269	1.512	1.398
		Iraq	n.a.	0.000	0.000	0.000	0.000	0.681
		Argentina	35%	0.000	0.422	0.255	1.168	0.078
		Syria	n.a.	0.000	0.000	0.000	1.079	0.000
		Cuba	5%	0.000	0.089	0.010	1.001	0.016
		Kazakhstan	n.a.	0.000	0.000	0.003	0.845	0.018
		Libya	n.a.	0.000	0.265	0.617	0.642	0.000
		EU 15	0 - 1.7%	0.394	0.107	0.548	0.281	0.288
		Singapore	10%	0.009	0.068	0.957	0.000	0.068
		Oman	n.a.	1.763	4.751	0.032	0.262	0.000
841381	LIQUID PUMPS,ELEV - OTHER PUMP LIQUIDS	Kuwait	100%	0.000	2.476	0.000	0.000	0.000
		Ecuador	15%	0.000	1.054	0.028	0.000	0.000
		Myanmar	n.a.	0.672	0.000	0.000	0.000	0.000
		Tunisia	60%	0.581	0.000	0.000	0.217	0.000
841391	LIQUID PUMPS,ELEV - PRTS OF PUMP LIQUIDS	Venezuela	35 - 40%	1.008	1.088	1.033	6.076	8.123
		Iran	n.a.	0.000	0.028	0.000	0.000	1.810
		Kazakhstan	n.a.	0.000	0.000	0.000	0.010	1.285
		Oman	n.a.	0.994	1.150	0.024	0.121	1.054
		Cuba	5%	0.204	1.072	0.293	0.377	0.874
		EU 15	0 - 1.7%	0.491	0.430	1.373	0.750	0.838
		Libya	n.a.	0.033	0.018	0.609	0.036	0.040
		Russia	n.a.	0.893	0.083	2.061	0.000	0.008
		Singapore	10%	0.043	0.684	0.000	0.063	0.116
		Cyprus	40%	0.000	0.620	0.000	0.000	0.000
		Albania	n.a.	0.000	0.514	0.000	0.000	0.000
		Philippines	20%	0.640	0.000	0.000	0.000	0.000
841440	AIR REL PUMPS/COMP - AIR COMPRESSR,TOWNG	Australia	14%	0.000	0.000	0.000	1.056	0.000
841480	AIR REL PUMPS/COMP - OT AIR/GAS PUMP,ETC	Australia	10%	2.194	1.053	2.620	4.906	5.004
		Indonesia	0 - 40%	0.025	0.000	0.000	0.000	3.579
		New Zealand	0 - 25%	0.000	0.000	0.000	0.000	3.410
		China	7 - 8%	0.152	5.904	0.000	0.000	2.634
		Argentina	n.a.	0.000	0.000	0.000	1.287	2.304
		Tunisia	n.a.	0.140	0.000	0.000	0.000	1.108
		U. A. Emirates	15%	0.000	0.000	1.638	1.927	0.000
		EU 15	0 - 2.2%	4.267	3.343	6.860	0.753	0.000
		Russia	n.a.	0.029	1.188	1.814	0.014	0.131
		Croatia	n.a.	0.000	0.000	3.459	0.000	0.000
		Norway	4%	0.000	14.168	0.000	0.000	0.000
		Ecuador	15%	0.000	0.550	0.055	0.000	0.000
841490	O PTS F COMPRSS,ETC	Australia	10 - 15%	0.000	0.133	0.334	0.024	1.031
		Venezuela	35% - 40%	0.094	0.000	0.000	0.000	1.004
841620	FURNACE BURNER,STOKER-FURN PULVERIZ SOLID	Nigeria	50%	0.000	0.000	0.000	0.500	0.000
841780	FURNACE, NT ELECTRIC - OT,N ELEC,INDUS/LAB	Taiwan	0 - 5%	0.000	0.600	0.000	0.000	0.000
841790	FURNACE, NT ELECTRIC - PARTS FOR 8417	Egypt	20%	0.000	0.000	0.000	0.000	3.254
		China	7%	0.000	0.000	0.000	0.000	0.560

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
841869	OTHR COMPRESSORS,ETC - OTH REFRIGER EQUIPM	EU 15	0 - 2.2%	0.050	0.980	0.663	0.629	0.980
841899	OTHR COMPRESSORS,ETC - OTHER PARTS	Cuba	n.a.	0.000	0.660	0.000	0.000	0.000
841939	TEMP CHANGING - OTHER DRYERS	Iran	n.a.	0.000	0.000	2.330	0.000	0.000
		Libya	n.a.	0.000	0.000	0.805	0.000	0.000
		Hungary	n.a.	0.000	5.310	0.000	0.000	0.000
841940	TEMP CHANGING - DISTILLING/RECTIFIN	Sudan	n.a.	0.000	0.000	0.000	0.000	1.552
		Kazakhstan	n.a.	0.000	0.000	0.000	0.000	0.945
		Russia	n.a.	0.000	0.000	0.000	10.882	0.000
		Taiwan	0 - 5%	0.000	0.000	0.000	0.761	0.000
841950	TEMP CHANGING - HEAT EXCHANGE UNITS	EU 15	0 - 1.7%	0.273	0.033	0.202	0.000	4.315
		China	10%	0.021	0.000	0.000	2.145	2.856
		Poland	9%	0.000	1.030	0.032	0.063	1.956
		Sudan	n.a.	0.000	0.000	0.000	0.000	1.170
		Singapore	10%	0.006	0.111	0.000	0.000	0.627
		Venezuela	35 - 40%	0.000	0.000	0.011	1.709	0.000
		Argentina	n.a.	0.000	0.000	1.765	0.000	0.000
		Cuba	n.a.	0.103	0.000	1.146	0.000	0.169
		Hungary	n.a.	0.000	0.000	1.977	0.000	0.000
		Iran	n.a.	0.000	0.398	1.592	0.000	0.424
841989	TEMP CHANGING - O MAT TREAT BY HEAT	Iran	n.a.	0.000	0.000	2.045	0.000	2.121
		China	0%	0.000	0.000	0.422	0.245	1.360
		Cuba	n.a.	0.025	0.000	0.000	0.000	0.502
		Russia	n.a.	0.000	0.000	0.341	5.146	0.000
		Korea, South	10 - 13%	0.000	0.000	0.000	0.502	0.000
		Argentina	n.a.	0.000	0.000	0.653	0.230	0.006
		Kuwait	100%	0.000	11.672	0.211	0.071	0.000
		Qatar	15%	0.016	1.068	0.287	0.000	0.000
		Brazil	35%	0.000	0.763	0.000	0.000	0.000
		Singapore	10%	0.903	0.000	0.000	0.000	0.000
841990	TEMP CHANGING - PARTS FOR 8419	Russia	n.a.	0.000	0.000	5.086	1.003	13.767
		Sudan	n.a.	0.000	0.000	0.127	0.001	5.466
		China	0 - 4%	1.746	2.983	0.717	1.040	0.968
		EU 15	0 - 1.7%	0.017	0.155	1.466	0.206	0.543
		Korea, South	0 - 13%	0.912	0.000	0.000	0.000	0.510
		Lithuania	n.a.	0.000	0.000	0.000	11.703	0.237
		Romania	0 - 35%	0.000	0.000	0.000	1.761	0.000
		Libya	n.a.	0.000	6.707	0.808	0.989	0.000
		Ecuador	10 - 15%	0.000	0.726	1.054	0.055	0.000
		Argentina	n.a.	0.000	0.000	9.157	0.080	0.000
		Kuwait	100%	0.000	0.000	0.577	0.000	0.000
		Tunisia	n.a.	0.323	0.000	0.961	0.456	0.209
		Poland	9%	0.000	20.271	0.378	0.016	0.020
		Kazakhstan	n.a.	0.000	2.017	0.231	0.000	0.026
841990	TEMP CHANGING - PARTS FOR 8419	Cuba	n.a.	0.010	1.691	0.000	0.013	0.000
		Brazil	35%	0.000	0.902	0.000	0.000	0.000
		Qatar	15%	2.382	0.000	0.000	0.044	0.000
		Indonesia	40%	0.750	0.339	0.000	0.000	0.000
842119	CENTRIFUGE; FILTERS - OTHER CENTRIFUGES	Yemen	n.a.	0.000	0.000	0.000	1.462	0.000
842121	CENTRIFUGE; FILTERS - WATER FILTER/PURIFY	Iraq	n.a.	0.000	0.000	0.000	0.000	1.175

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
842129	CENTRIFUGE; FILTERS - FILTER/PURIFY,OTHER	Russia	n.a.	0.007	0.000	0.000	0.000	4.300
		Iraq	n.a.	0.000	0.000	0.000	0.000	1.280
		Netherl.	n.a.	0.000	0.000	0.000	0.000	0.957
		Antilles						
		Syria	n.a.	0.000	0.000	2.393	0.000	0.526
		Venezuela	35 - 40%	0.000	0.000	0.000	0.649	0.000
		Yemen	n.a.	0.000	0.000	0.000	0.623	0.000
		Cuba	6%	0.026	0.137	1.413	0.007	0.027
		Kuwait	100%	0.000	0.000	0.525	0.000	0.000
		Ecuador	15%	0.000	0.552	0.000	0.000	0.000
842139	CENTRIFUGE; FILTERS - OT GAS FILTR/PURIFY	India	40%	0.000	0.442	0.000	0.000	0.528
		China	5 - 15%	0.274	4.244	0.000	0.000	0.019
		Cuba	n.a.	0.010	2.925	0.022	0.099	0.248
		Korea, South	0 - 16%	0.000	2.332	0.000	0.000	0.000
		Russia	n.a.	0.050	2.243	0.230	0.003	0.000
		EU 15	0 - 1.7%	0.410	0.786	0.410	0.090	0.077
		Poland	3 - 9%	0.692	0.000	0.000	0.021	0.000
842199	CENTRIFUGE; FILTERS - PARTS	Tunisia	n.a.	1.191	0.000	0.000	0.000	0.839
		Venezuela	35 - 40%	0.000	1.340	0.000	3.414	0.132
		Ecuador	15%	0.121	0.000	0.672	0.000	0.000
		China	5 - 10%	1.718	0.000	0.000	2.708	0.008
		EU 15	1.7%	0.233	2.984	0.000	0.315	0.010
		Lybia	n.a.	2.233	0.000	0.000	0.000	0.000
842389	OTHER CAPAC>5000 KG	China	10%	0.000	0.026	0.059	0.184	0.537
842511	PULLY, HOISTS, JAKS, ETC - FOR RAISING VEHCAL	Oman	n.a.	0.000	0.000	0.000	0.000	0.922
842619	DERRICK, CRANES, MOBILE OTHER LIFTING	Singapore	0%	0.000	0.000	3.984	0.000	3.835
842890	OTHER LIFTING MACHINES	Australia	5%	0.000	0.000	2.500	0.519	0.321
		Russia	n.a.	0.000	0.718	0.000	0.000	0.260
842911	SELF-PROP DOZERS,PLOW BULL,ANGEL TRACK LA	Cuba	6%	0.000	0.403	0.000	0.973	0.000
842959	SELF-PROP DOZERS,PLOW - OTHER MECH SHOVELS	Cuba	n.a.	0.000	0.083	0.000	0.721	0.000
843010	OTHER MOVING MACHIN - PILE-DRIVER,EXTRACT	Algeria	n.a.	0.000	0.000	0.000	0.000	2.653
843041	OTHER MOVING MACHIN - O BORE/SINK,S-PROPL	Venezuela	35 - 40%	0.040	0.740	0.652	0.474	2.729
		Yemen	n.a.	1.285	1.404	1.607	3.474	2.325
		EU 15	0%	0.796	0.686	1.269	4.534	1.857
		Bolivia	n.a.	0.000	0.719	0.124	0.396	0.886
		U. A. Emirates	10%	0.014	0.019	1.609	0.998	0.860
		Kazakhstan	n.a.	0.000	0.000	0.000	0.000	0.808
		Egypt	20%	0.000	0.030	0.000	0.189	0.771
		Russia	n.a.	0.000	0.130	0.051	1.952	0.020
		Libya	n.a.	0.054	0.000	0.000	1.583	0.019
		India	25%	0.000	0.000	0.421	0.885	0.042
		Argentina	25%	0.000	0.000	0.175	0.570	0.013
		Hong Kong	0%	0.000	0.000	0.000	0.527	0.106
		Ghana	n.a.	0.000	0.000	0.629	0.000	0.000
		Singapore	0%	0.067	0.346	1.026	0.248	0.223
Korea, South	0%	2.162	0.000	0.000	0.000	0.000		

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
843049	OTHER MOVING MACHIN - O BORE/SINK,N S-PRP	Venezuela	35 - 40%	0.124	0.143	0.000	1.664	4.314
		Colombia	35%	1.686	1.522	0.000	0.000	2.541
		New Zealand	0 - 23%	0.000	1.072	0.000	0.000	2.060
		Croatia	n.a.	0.000	0.000	0.000	0.000	1.850
		EU 15	0%	4.230	6.214	2.757	0.632	0.891
		Hong Kong	0%	0.000	0.000	0.000	0.000	0.803
		Oman	n.a.	0.056	0.000	0.000	0.084	0.718
		Australia	5%	0.071	0.786	0.000	0.898	0.000
		Russia	n.a.	0.380	0.190	0.000	0.547	0.000
		Cuba	n.a.	1.363	11.921	0.004	0.260	0.000
		China	5%	1.223	1.030	1.560	0.009	0.000
		Argentina	n.a.	0.000	0.013	3.649	0.000	0.000
		Qatar	n.a.	0.000	0.000	1.063	0.478	0.000
		Iran	n.a.	0.000	4.586	0.000	0.000	0.000
		Botswana	10%	0.000	1.275	0.000	0.174	0.000
		Japan	0%	1.855	0.941	0.000	0.000	0.000
		U. A. Emirates	10%	2.415	0.388	0.000	0.207	0.000
Bolivia	n.a.	0.829	0.168	0.148	0.000	0.000		
Pakistan	50%	0.794	0.000	0.000	0.000	0.000		
843069	OTHER MOVING MACHIN - OTHR MOVING,GRADING	China	6%	0.000	0.000	0.000	0.015	0.665
843110	PARTS 8425 TO 8430 - PULLEY,TACKLE,ETC	Russia	n.a.	0.000	0.106	0.020	0.000	0.514
		Venezuela	35 - 40%	0.000	0.000	0.000	0.771	0.000
843139	PARTS 8425 TO 8430 - LIFTING,HNDLNG,LOAD	Russia	n.a.	2.908	2.902	1.538	5.313	13.985
		EU 15	0%	0.900	3.521	1.098	1.433	5.384
		China	5%	0.157	0.123	0.014	0.030	5.017
		Singapore	0%	0.178	1.345	0.486	0.082	2.792
		Turkmenistan	n.a.	0.000	0.000	0.000	0.000	2.568
		Poland	5 - 6%	0.105	0.643	0.176	0.784	2.321
		Bahrain	35%	0.000	0.000	0.000	0.000	2.280
		Australia	5%	0.033	0.375	0.404	0.443	1.298
		Kazakhstan	n.a.	0.000	0.140	0.090	0.607	1.211
		Norway	0%	0.165	0.180	0.315	0.354	0.809
		Cuba	n.a.	0.277	0.340	0.291	0.447	0.727
		Malaysia	5%	0.936	0.706	0.876	0.271	0.653
		843141	F DERRICK BUCKET,ET	Venezuela	35%	0.000	0.000	0.000
843143	PARTS 8425 TO 8430 - BORING,SINKING,OTHR	Yemen	n.a.	0.017	0.297	0.263	0.343	19.536
		EU 15	0%	3.762	14.353	2.328	3.227	13.561
		Ecuador	10%	0.013	0.123	0.296	1.648	8.432
		Singapore	0%	5.432	3.535	0.797	1.999	8.306
		Russia	n.a.	2.316	1.595	1.485	10.619	8.034
		Iran	n.a.	3.374	4.490	0.184	0.633	7.249
		Venezuela	35 - 40%	0.684	0.220	1.533	3.962	7.039
		Algeria	n.a.	0.777	0.394	0.013	0.276	6.591
		Brazil	35%	0.061	0.401	0.071	0.020	5.629
		Cuba	n.a.	1.648	3.031	1.305	2.103	4.965
		Oman	n.a.	0.275	0.183	1.066	1.652	4.509
		Kazakhstan	n.a.	0.049	3.485	0.119	1.517	3.840
		U. A. Emirates	10%	0.652	2.420	1.093	1.916	3.395
		Tunisia	n.a.	0.012	0.073	0.080	0.020	3.248
		Norway	0%	0.000	0.460	0.583	0.062	3.212
		Sudan	n.a.	0.985	0.580	0.437	0.968	1.694
		China	4 - 5%	0.423	0.313	0.207	0.413	1.616
		Indonesia	40%	0.125	0.031	2.001	1.905	1.413
		Thailand	20%	0.000	0.056	0.645	0.364	1.219
		Colombia	35%	0.023	0.020	0.000	0.622	1.144
		Vietnam	n.a.	0.000	0.000	0.003	0.000	1.135
		Nigeria	n.a.	0.000	0.000	0.000	0.092	1.111
		Kuwait	100%	0.076	0.019	0.128	0.070	1.089
		India	25%	0.511	0.092	0.000	0.126	1.040
		Argentina	25%	0.060	0.078	0.090	0.401	0.930
		Malaysia	10%	0.032	0.038	0.032	0.063	0.884
		Egypt	10%	0.168	0.294	0.567	0.360	0.865

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
843143 (contd)		Syria	n.a.	0.056	0.000	0.207	0.293	0.682
		Australia	5%	1.020	0.824	0.383	0.831	0.658
		Bahrain	35%	0.012	0.033	0.016	0.067	0.567
843143	PARTS 8425 TO 8430 - BORING,SINKING,OTHR	Japan	0%	0.000	0.188	0.090	0.203	0.564
		Suriname	0 - 25%	0.000	0.000	0.000	0.000	0.552
		Bolivia	n.a.	0.069	0.047	0.702	0.064	0.133
		Korea, South	0%	0.059	0.000	9.735	0.013	0.000
		Libya	n.a.	1.204	1.257	0.158	0.174	0.425
		Pakistan	n.a.	0.690	0.738	0.023	0.006	0.266
		El Salvador	40%	0.817	0.000	0.000	0.000	0.000
843149	PARTS 8425 TO 8430 - OT FOR DERRICKS,ETC	Russia	n.a.	1.759	0.117	0.693	0.767	1.688
		Japan	0%	1.021	0.440	0.616	1.172	1.108
		Brazil	25%	0.000	0.000	0.000	0.000	0.575
		Cuba	n.a.	0.989	0.225	0.143	1.995	0.254
		EU 15	0%	1.925	0.503	0.575	0.969	0.305
		Singapore	0%	0.958	0.209	0.023	0.224	0.135
		Australia	0 - 5%	0.556	0.152	0.000	0.479	0.162
843230	SEEDERS AND PLANTER	Australia	0%	0.000	0.214	0.104	0.001	0.626
843290	SOIL-RELAT AGRICULT - PARTS 8432	Australia	0%	0.225	0.230	0.071	1.713	1.237
843850	OTHER FOOD/DRINK - MEAT/POULTRY PREPAR	Ecuador	15%	0.000	0.000	0.000	0.000	0.532
844220	OTHER TYPESET, ETC - TYPESETTING-RELATED	Colombia	35%	0.000	0.000	0.000	0.000	0.617
844240	OTHER TYPESET, ETC - PARTS FOR 8442	Australia	6%	0.000	0.000	0.000	0.000	0.633
844390	OT PRINTING MACHINERY PARTS FOR 844360	China	6%	0.000	0.000	0.000	1.627	0.000
846229	FORGNG,BENDNG,STAMPNG BENDING,FOLDING	EU 15	0 - 1.7%	0.000	0.000	0.000	0.540	0.000
846595	TOOL WRK WOOD, BONE- DRILL MORTISNG MACH	U. A. Emirates	15%	0.000	0.620	0.203	0.059	0.625
847149	COMPUTERS+COMPONENTS O DIG,ENTER AS SYST	Egypt	5%	0.024	0.009	0.000	0.086	1.794
		Turkey	0%	0.000	0.000	0.003	1.195	0.000
		India	0%	0.000	0.000	0.013	0.612	0.000
847170	COMPUTERS+COMPONENTS OT ADP STORAGE UNIT	EU 15	0%	0.839	2.146	0.537	0.223	0.792
		Hong Kong	0%	0.000	0.000	0.000	0.587	0.127
847180	COMPUTERS+COMPONENTS OTHER ADP UNITS	Russia	n.a.	0.000	4.898	0.000	0.000	0.011
847190	COMPUTERS+COMPONENTS ADP MAC+UNT THEREOF	Saudi Arabia	n.a.	0.020	0.000	0.000	0.508	0.000
847330	OFFICE MACHINE PARTS - ADP MACHINES,UNITS	Egypt	10%	0.225	0.134	0.000	0.496	3.218
		EU 15	0%	2.334	2.108	1.046	3.187	2.479
		Hong Kong	0%	0.012	0.075	0.134	0.487	1.066
		China	0%	0.388	0.027	0.840	2.131	0.972
		Saudi Arabia	n.a.	0.000	0.000	0.000	0.447	0.734
		India	0%	0.000	0.000	0.000	0.590	0.018
		Colombia	35%	0.123	0.522	0.003	0.011	0.094
		Japan	0%	0.661	0.162	0.052	0.344	0.153
		Australia	7.5%	0.794	0.148	0.033	0.129	0.463
847410	SORTING, ETC MINERALS EARTH,STONE,MIN SUB	Algeria	n.a.	0.000	0.000	0.000	2.942	0.000
		Yemen	n.a.	0.000	0.000	0.000	0.888	0.000
847431	SORTING, ETC MINERALS CONCRETE/MORTR MIXR	Russia	n.a.	0.000	0.547	0.000	0.236	0.000

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
847490	SORTING, ETC MINERALS PARTS OF 8474	Kazakhstan	n.a.	0.000	0.000	0.000	0.000	2.389
		U. A. Emirates	15%	0.000	0.000	0.000	1.615	0.000
847790	O WORK RUBBR+PLST,ETC PARTS FOR 8477	EU 15	0 - 1.7%	0.090	0.000	0.427	1.467	0.000
847910	O W INDIV FUNCTIONS - PUBLK WRKS,BUILD,ET	Cuba	n.a.	0.000	0.000	0.000	0.661	0.000
847981	O W INDIV FUNCTIONS - TREAT MET,EL C-WIND	Iran	n.a.	0.000	0.000	0.000	0.916	0.057
847982	O W INDIV FUNCTIONS - O MX,KNEAD,CRUSH,ET	Cuba	n.a.	0.005	0.259	0.000	0.440	0.512
		Kuwait	100%	0.000	4.798	0.000	0.000	0.000
847989	O W INDIV FUNCTIONS	Russia	n.a.	1.023	1.665	0.641	3.525	19.960
		Venezuela	35 - 40%	0.512	1.159	1.603	5.301	3.575
		Ecuador	10 - 15%	0.140	0.387	2.346	3.548	3.442
		EU 15	0 - 1.7%	2.466	4.252	3.815	4.625	3.227
		U. A. Emirates	15%	0.704	0.682	1.346	1.552	2.442
		China	0%	0.744	0.148	0.671	1.627	2.064
		Nigeria	n.a.	0.000	0.000	0.140	0.811	1.472
		Norway	4%	0.085	0.050	0.242	0.459	1.399
		Indonesia	40%	0.157	0.632	0.078	0.310	1.353
		Kuwait	100%	0.045	0.020	0.387	0.459	1.275
		Australia	15%	0.663	1.094	0.437	0.439	1.022
		India	40%	0.203	0.519	0.610	0.037	1.006
		Sudan	n.a.	0.346	0.928	0.851	0.576	0.987
		Algeria	n.a.	0.158	0.419	0.319	0.092	0.955
		847989	O W INDIV FUNCTIONS	Libya	n.a.	0.478	1.096	0.499
Brazil	35%			0.010	0.030	0.182	0.218	0.917
Thailand	30%			0.099	0.476	0.072	0.079	0.814
Iran	n.a.			0.207	9.277	0.591	1.042	0.803
Singapore	n.a.			0.901	0.914	1.067	1.013	0.708
Malaysia	5%			2.095	0.023	0.082	0.236	0.429
Cote-d'Ivoire	n.a.			0.597	0.000	0.000	0.000	0.000
Kazakhstan	n.a.			0.023	0.213	0.112	1.251	0.621
Tunisia	n.a.			0.131	0.037	0.000	0.021	0.574
Iraq	n.a.			0.000	0.000	0.000	9.357	0.281
Yemen	n.a.			0.015	0.077	0.028	2.388	0.207
Cuba	n.a.			1.353	0.541	0.000	1.845	0.038
Czech Rep.	n.a.			0.004	0.000	0.014	1.440	0.009
Argentina	35%			0.289	0.101	1.429	1.160	0.384
Egypt	10%			0.010	0.098	0.089	0.935	0.024
Oman	n.a.			0.513	0.112	0.269	0.579	0.449
Croatia	n.a.			0.000	0.000	1.796	0.007	0.000
Taiwan	0 - 8%			0.000	0.510	0.040	0.000	0.012
Japan	0%			1.093	0.500	0.330	0.114	0.002
847990	O W INDIV FUNCTIONS - OTH PARTS FOR 84790			Venezuela	35 - 40%	0.934	0.540	1.285
		EU 15	0 - 1.7%	3.462	4.714	4.064	4.176	5.748
		Kazakhstan	n.a.	0.000	0.698	0.014	5.345	3.872
		Norway	4%	0.046	0.048	1.265	1.605	3.267
		Iran	n.a.	0.074	0.372	0.905	0.313	3.003
		Russia	n.a.	7.059	5.739	1.586	1.486	1.906
		Indonesia	0 - 40%	0.134	0.404	0.052	0.211	1.487
		India	25%	0.588	0.111	0.919	0.437	1.262
		Malaysia	5%	0.000	0.000	0.064	0.328	1.195
		Kuwait	100%	0.096	0.231	0.253	0.145	1.016
		Singapore	n.a.	1.522	1.513	1.006	1.442	0.964
		U. A. Emirates	15%	0.387	0.767	0.343	2.201	0.916
		Sudan	n.a.	0.614	1.041	2.636	0.390	0.841
		Cuba	n.a.	0.839	6.310	1.004	1.812	0.767
		Ecuador	15%	0.156	0.505	2.066	0.923	0.732
		Tunisia	n.a.	0.073	0.230	0.164	0.095	0.669
		Yemen	n.a.	0.000	0.000	0.044	0.823	0.664
Algeria	n.a.	0.063	0.037	0.348	0.088	0.537		

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
847990 (contd)		Oman	n.a.	0.004	0.174	0.629	0.751	0.237
		Australia	15%	0.000	0.282	0.259	0.606	0.276
		Hungary	n.a.	0.517	1.305	0.776	0.043	0.021
		Libya	n.a.	0.534	1.050	0.872	0.282	0.351
		Syria	n.a.	0.660	0.626	0.458	0.202	0.162
		Azerbaijan	n.a.	0.000	0.000	0.721	0.137	0.047
		China	0%	1.482	0.596	0.159	0.456	0.358
		Qatar	15%	0.639	0.704	0.032	0.075	0.198
		Poland	n.a.	1.101	0.000	0.035	0.232	0.078
848120	PIPE TAPS, COCK, VLVE - TRANSMISSION VALVES	Cuba	n.a.	0.065	0.211	0.196	0.490	0.973
848130	PIPE TAPS, COCK, VLVE - CHECK VALVES	Singapore	n.a.	0.016	0.024	0.000	0.005	0.741
		EU 15	2.2%	0.000	0.053	0.000	0.291	0.644
848140	PIPE TAPS, COCK, VLVE - SAFETY/RELIEF VALVE	Oman	n.a.	0.070	0.010	0.233	0.131	0.741
		Australia	15%	0.231	0.011	0.124	0.554	0.721
		U. A. Emirates	15%	0.225	0.636	0.002	0.003	0.022
848180	PIPE TAPS, COCK, VLVE - O PIPE TPS, COCKS, ET	Singapore	10%	1.369	2.685	1.890	2.368	3.745
		EU 15	2%	4.631	4.115	2.342	2.890	2.712
		Norway	0 - 4%	0.000	0.144	1.103	2.519	1.364
		Brazil	35%	0.000	0.678	0.063	0.060	0.972
		China	5 - 7%	0.116	2.906	0.061	0.686	0.905
		Malaysia	5 - 25%	0.107	1.391	0.629	0.764	0.854
		Australia	0 - 19%	0.597	0.399	1.383	0.687	0.776
		Qatar	15%	0.549	0.822	0.093	0.921	0.620
		India	40%	0.029	0.234	0.231	1.126	0.000
		Sudan	n.a.	0.000	0.058	0.215	0.835	0.046
		Iraq	n.a.	0.000	0.000	0.000	0.733	0.000
		Ecuador	15 - 25%	0.000	0.360	0.216	0.690	0.012
		Algeria	n.a.	0.150	0.016	0.000	0.530	0.107
		Russia	n.a.	0.314	2.067	3.091	0.046	0.000
		Indonesia	40%	0.686	0.710	0.679	0.004	0.738
		Cuba	14%	0.258	0.547	0.522	0.155	0.428
		Oman	n.a.	0.262	0.100	0.499	0.083	0.491
		Trinidad & Tob.	50%	0.014	0.000	0.786	0.000	0.000
		Iran	n.a.	0.053	5.231	0.333	0.390	0.000
		Turkey	13%	1.092	1.757	0.351	0.047	0.000
Pakistan	50%	0.577	0.057	0.074	0.000	0.000		
848190	PIPE TAPS, COCK, VLVE - PARTS FOR 8481	Singapore	10%	0.171	0.517	0.358	0.264	0.686
		Saudi Arabia	n.a.	0.012	0.174	0.000	0.861	0.001
		EU 15	2.2%	6.029	7.858	2.404	0.622	0.437
		Sudan	n.a.	0.000	0.953	0.322	0.000	0.014
		Norway	0 - 4%	0.413	0.555	0.330	0.000	0.003
848280	BALL/ROLLER BEARINGS OTHER 8482	Cuba	n.a.	0.149	0.847	1.639	1.172	0.176

Table 64. Alberta's Annual Chapter 84 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
840219	OTHR STEAM GENERATING - VAPOR BOILERS	0.000	0.056	0.000	0.181	1.285	0.000
840290	OTHR STEAM GENERATING - PTS F SUP-HEAT BOIL	0.170	0.818	1.514	0.055	0.369	0.000
840890	COMPRESSION, IGNITION - COMPRESSION-IGNTN,O	0.139	0.234	1.657	0.428	1.586	0.433
840991	PARTS ENGS 8407,8408 - O SPARK-IGNITN PRTS	0.078	0.059	0.134	0.382	1.015	3.007
841111	GAS TURBINES - JET THRUST =< 25 KN	0.000	0.000	0.708	0.000	0.765	0.000
841112	GAS TURBINES - JET THRUST > 25 KN	0.000	2.600	0.000	0.000	0.948	0.000
841121	GAS TURBINES - PROPELLER =<1100 KW	13.057	2.457	0.000	15.685	23.208	47.406
841181	GAS TURBINES - OTHER =< 5000 KW	0.000	0.000	0.168	4.349	0.840	2.159
841191	GAS TURBINES - PARTS,JET,PROPELLER	0.009	0.074	0.011	2.214	2.819	1.113
841199	GAS TURBINES - PARTS,NOT JET,PROP	0.035	0.053	0.000	0.170	2.484	2.722
841229	OTHER ENGINE,MOTORS - HYDRO ENG,N LIN ACT	8.356	5.413	5.649	1.687	3.903	7.828
841290	OTHER ENGINE,MOTORS - ENGINE,MOTOR PART O	15.128	27.188	19.814	14.279	32.946	61.333
841311	LIQUID PUMPS,ELEV - PUMP,FUEL/LUB,GARAG	0.003	0.000	0.000	0.000	1.458	0.396
841350	LIQUID PUMPS,ELEV - OTHER RECIPROCATING	1.626	0.232	0.285	0.077	0.643	0.776
841360	LIQUID PUMPS,ELEV - O ROTAR DISPLC PUMP	0.363	1.387	0.909	0.742	0.856	1.714
841370	LIQUID PUMPS,ELEV - O CENTRIFUGAL PUMPS	0.113	0.684	0.152	0.315	0.597	1.262
841381	LIQUID PUMPS,ELEV - OTHER PUMP LIQUIDS	3.062	5.350	11.055	5.827	10.041	12.100
841391	LIQUID PUMPS,ELEV - PRTS OF PUMP LIQUIDS	3.486	4.731	5.897	6.495	12.181	15.216
841440	AIR REL PUMPS/COMP - AIR COMPRESSR,TOWNG	0.350	0.117	0.094	0.052	1.056	0.010
841480	AIR REL PUMPS/COMP - OT AIR/GAS PUMP,ETC	9.573	7.492	26.961	16.972	9.279	19.579
841490	AIR REL PUMPS/COMP - O PTS F COMPRSS,ETC	1.503	0.261	1.510	0.830	0.350	3.627
841620	FURNACE BURNER, STOKER - FURN PULVERIZ SOLID	0.037	0.069	0.000	0.365	0.013	0.000
841780	FURNACE, NT ELECTRIC - OT,N ELEC,INDUS/LAB	0.199	0.203	0.671	0.000	0.513	0.146

HS Code	Description	1996	1997	1998	1999	2000	2001
841790	FURNACE, NT ELECTRIC - PARTS FOR 8417	0.228	1.118	0.082	1.079	0.296	3.968
841869	OTHER COMPRESSORS,ETC - OTH REFRIGER EQUIPM	0.592	3.724	1.575	1.243	0.776	1.564
841899	OTHR COMPRESSORS,ETC - OTHER PARTS	0.191	0.006	0.698	0.067	0.534	0.585
841939	TEMP CHANGING - OTHER DRYERS	2.252	6.072	6.193	3.301	0.004	0.525
841940	TEMP CHANGING - DISTILLING/RECTIFIN	0.286	0.035	0.442	0.343	12.179	2.497
841950	TEMP CHANGING - HEAT EXCHANGE UNITS	5.838	0.887	2.165	6.944	4.069	11.610
841989	TEMP CHANGING - O MAT TREAT BY HEAT	8.834	1.385	15.033	6.269	7.745	4.496
841990	TEMP CHANGING - PARTS FOR 8419	12.251	6.717	36.500	21.428	17.844	23.130
842119	CENTRIFUGE; FILTERS - OTHER CENTRIFUGES	0.025	0.216	0.027	0.368	1.478	0.119
842121	CENTRIFUGE; FILTERS - WATER FILTER/PURIFY	3.134	2.760	1.765	4.121	0.424	1.655
842129	CENTRIFUGE; FILTERS - FILTER/PURIFY, OTHER	2.297	0.993	1.097	4.632	1.597	7.149
842139	CENTRIFUGE; FILTERS - OT GAS FILTR/PURIFY	5.470	2.472	13.485	0.674	0.710	1.613
842199	CENTRIFUGE; FILTERS - PARTS	13.307	6.149	4.688	1.502	6.683	1.134
842389	WEIGHING AND WEIGHTS - OTHER CAPAC>5000 KG	0.000	0.009	0.073	0.236	0.216	0.554
842511	PULLY, HOISTS, JAKS, ETC - FOR RAISING VEHAL	0.000	0.000	0.013	0.028	0.010	0.966
842619	DERRICK, CRANES, MOBILE - OTHER LIFTING	0.104	0.499	1.160	3.984	0.000	4.125
842890	OTHER LIFTING MACHINES	7.268	0.992	2.103	3.147	1.452	1.161
842911	SELF-PROP DOZERS, PLOW BULL, ANGEL TRACK LA	0.853	0.111	0.618	0.000	0.973	0.000
842959	SELF-PROP DOZERS,PLOW - OTHER MECH SHOVELS	0.248	0.000	0.180	0.000	0.741	0.000
843010	OTHER MOVING MACHIN - PILE-DRIVER, EXTRACT	0.000	0.000	0.000	0.000	0.009	2.653
843041	OTHER MOVING MACHIN - O BORE/SINK,S-PROPL	4.072	4.837	5.019	8.469	16.619	11.077
843049	OTHER MOVING MACHIN - O BORE/SINK,N S-PRP	6.504	16.554	31.308	9.406	5.085	13.912
843069	OTHER MOVING MACHIN - OTHR MOVING, GRADING	0.071	0.137	0.171	0.000	0.015	0.665
843110	PARTS 8425 TO 8430 - PULLEY, TACKLE, ETC	0.073	0.086	0.402	0.020	0.813	0.580
843139	PARTS 8425 TO 8430 - LIFTING, HNDLNG, LOAD	6.230	6.567	12.459	7.051	11.641	42.400
843141	PARTS 8425 TO 8430 - F DERRICK BUCKET, ET	0.039	0.079	0.357	0.304	0.511	2.524
843143	PARTS 8425 TO 8430 - BORING, SINKING, OTHR	17.938	26.910	42.026	28.560	38.894	129.131
843149	PARTS 8425 TO 8430 - OT FOR DERRICKS, ETC	3.652	9.427	2.844	2.950	7.105	7.175

HS Code	Description	1996	1997	1998	1999	2000	2001
843230	SOIL-RELAT AGRICULT - SEEDERS AND PLANTER	0.038	0.000	0.214	0.104	0.001	0.701
843290	SOIL-RELAT AGRICULT - PARTS 8432	0.321	0.284	0.251	0.369	1.933	1.547
843850	OTHER FOOD/DRINK - MEAT/POULTRY PREPAR	0.000	0.000	0.000	0.000	0.000	0.532
844220	OTHER TYPESET, ETC - TYPESETTING-RELATED	0.000	0.000	0.000	0.294	0.000	0.617
844240	OTHER TYPESET, ETC - PARTS FOR 8442	0.000	0.000	0.000	0.000	0.000	0.666
844390	OT PRINTING MACHINERY - PARTS FOR 844360	0.045	0.055	0.000	0.000	1.627	0.000
846229	FORGNG,BENDNG, STAMPNG - BENDING, FOLDING	0.000	0.000	0.000	0.792	0.577	0.000
846595	TOOL WRK WOOD, BONE - DRILL MORTISNG MACH	0.000	0.000	0.620	0.203	0.081	0.625
847149	COMPUTERS+COMPONENTS - O DIG, ENTER AS SYST	0.772	3.137	1.072	1.062	3.589	2.975
847170	COMPUTERS+COMPONENTS - OT ADP STORAGE UNIT	0.471	1.299	2.239	0.859	1.172	1.413
847180	COMPUTERS+COMPONENTS - OTHER ADP UNITS	1.028	0.041	5.638	1.068	1.643	2.239
847190	COMPUTERS+COMPONENTS - ADP MAC+UNT THEREOF	3.854	3.948	1.544	0.995	1.825	2.312
847330	OFFICE MACHINE PARTS - ADP MACHINES, UNITS	16.297	5.994	4.397	3.450	10.230	10.699
847410	SORTING, ETC MINERALS - EARTH, STONE, MIN SUB	0.412	0.046	0.080	0.000	3.942	0.320
847431	SORTING, ETC MINERALS - CONCRETE/MORTR MIXR	0.000	0.000	0.672	0.080	0.236	0.170
847490	SORTING, ETC MINERALS - PARTS OF 8474	0.562	0.094	0.386	0.645	2.246	3.279
847790	O WORK RUBBR+PLST,ETC - PARTS FOR 8477	0.036	0.118	0.010	0.427	1.467	0.171
847910	O W INDIV FUNCTIONS - PUBL C WRKS, BUILD,ET	0.000	0.000	0.000	0.000	0.832	0.024
847981	O W INDIV FUNCTIONS - TREAT MET, EL C-WIND	0.000	0.000	0.000	0.112	0.930	0.057
847982	O W INDIV FUNCTIONS - O MX, KNEAD, CRUSH, ET	0.000	0.049	5.079	0.084	0.919	0.525
847989	O W INDIV FUNCTIONS	28.795	17.040	28.005	21.501	48.785	54.523
847990	O W INDIV FUNCTIONS - OTH PARTS FOR 84790	22.136	22.136	30.450	23.962	40.019	42.821
848120	PIPE TAPS, COCK, VLVE - TRANSMISSION VALVES	0.404	0.091	0.216	0.217	0.730	1.084
848130	PIPE TAPS, COCK, VLVE - CHECK VALVES	0.677	0.302	0.445	0.737	0.945	2.463
848140	SAFETY/RELIEF VALVE	0.453	2.569	1.896	1.099	1.596	2.854
848180	PIPE TAPS, COCK, VLVE - O PIPE TPS, COCKS, ET	15.628	12.475	27.128	15.567	17.016	15.235
848190	PARTS FOR 8481	4.197	10.499	14.017	5.640	2.661	2.726
848280	BALL/ROLLER BEARINGS - OTHER 8482	0.650	0.257	1.244	1.814	1.373	0.366

Alberta's exports from Chapter 84 are accounted for by a very large number of different products, which are sold to a variety of countries. Exports in this Chapter were dominated by parts of boring and sinking machinery (HS 843143), which have experienced a strong export growth since 1996 and in particular from 2000 to 2001. Other important product categories were parts for lifting, handling and loading equipment (HS 843139), gas turbines (HS 841112) and other engines and motors (HS 841290), all of them showed an increase in export value in 2001 compared to the previous year of approximately 100% or more. Major import destinations for these products categories were the EU, Norway, the United Arab Emirates, Venezuela, Saudi Arabia and Russia. While bound tariffs vary widely between product groups and export destinations, some countries have consistently high tariffs for a number of products in Chapter 84, such as Kuwait (100%), Venezuela (35-40%), India (25%), Brazil (35%), Colombia (35%) and Egypt (20%). Considering the large and increasing importance of Chapter 84 for the total exports from Alberta, reduction of these tariff barriers would be beneficial for Alberta's export performance.

Figure 32. Alberta's Chapter 84 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

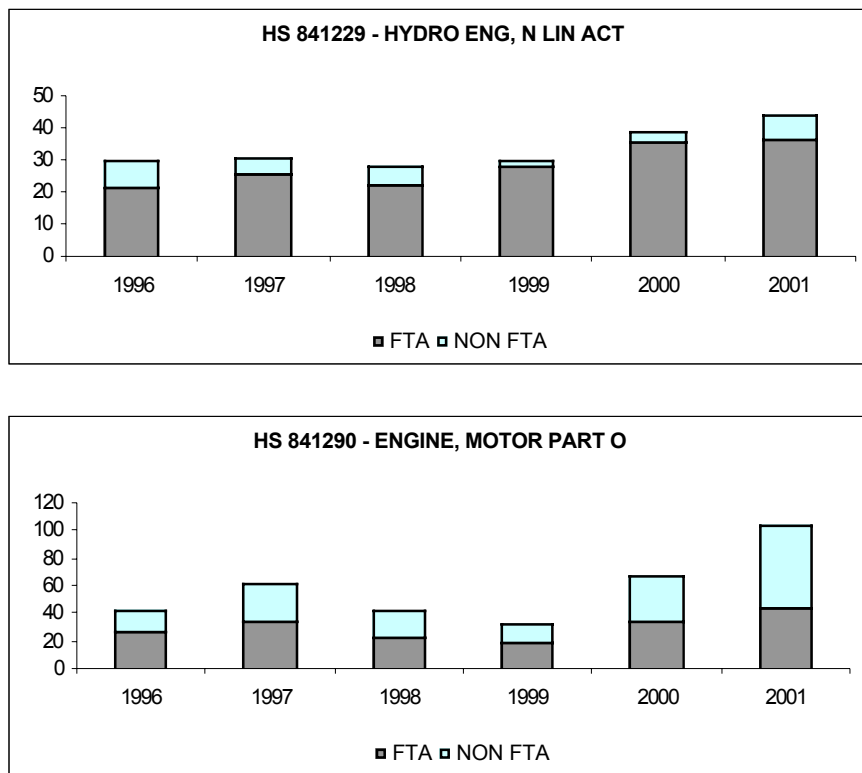


Figure 32. Alberta's Chapter 84 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)

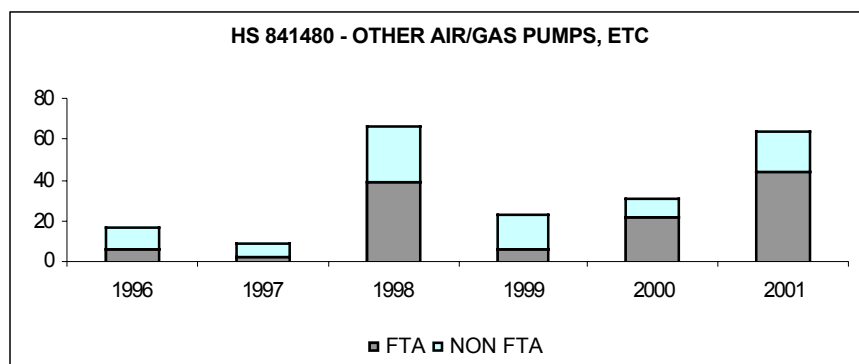
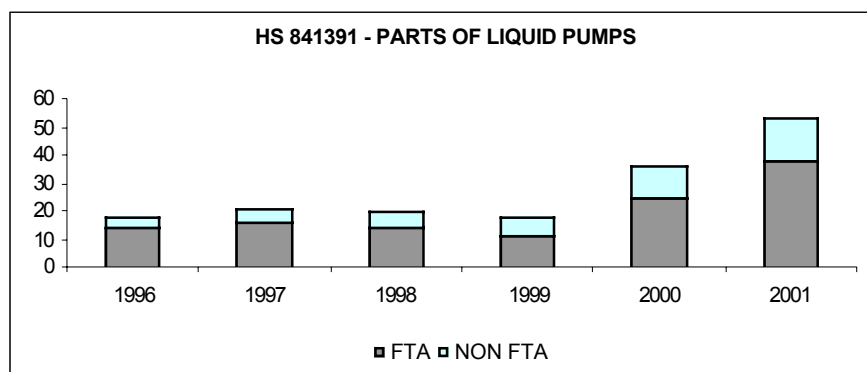
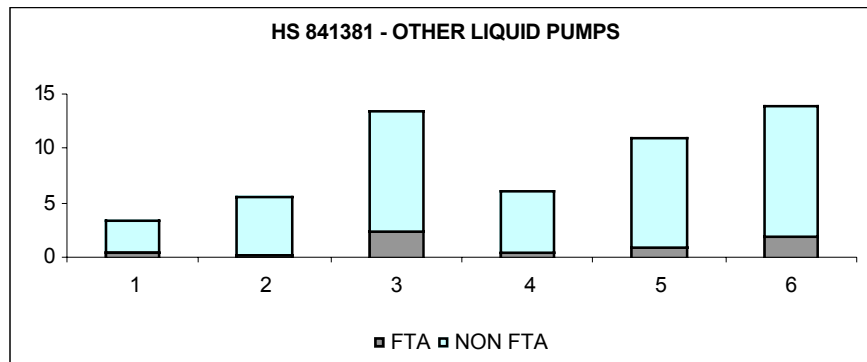


Figure 32. Alberta's Chapter 84 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)

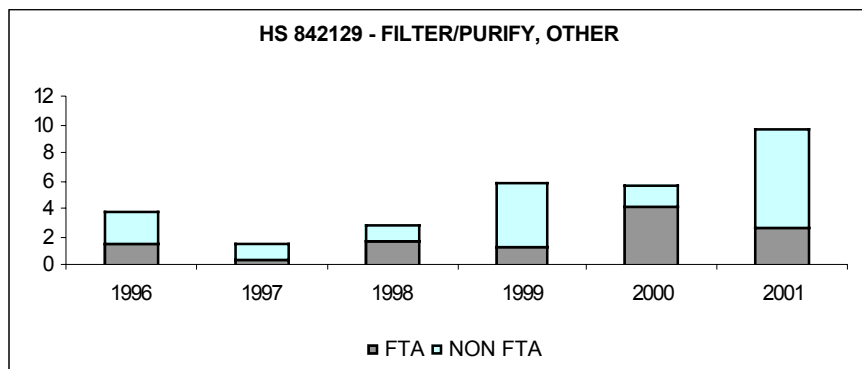
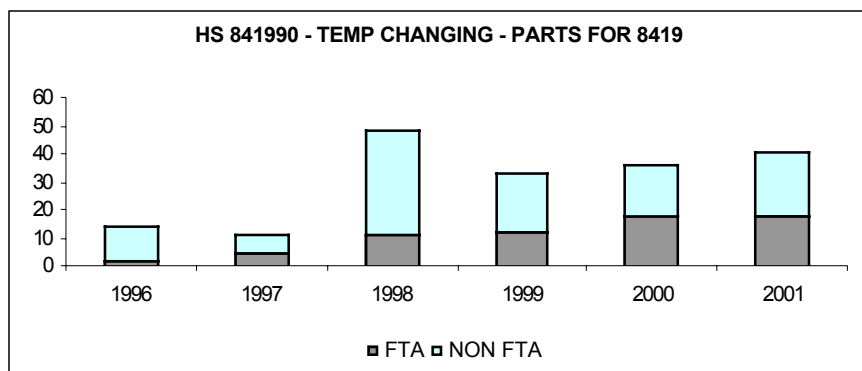
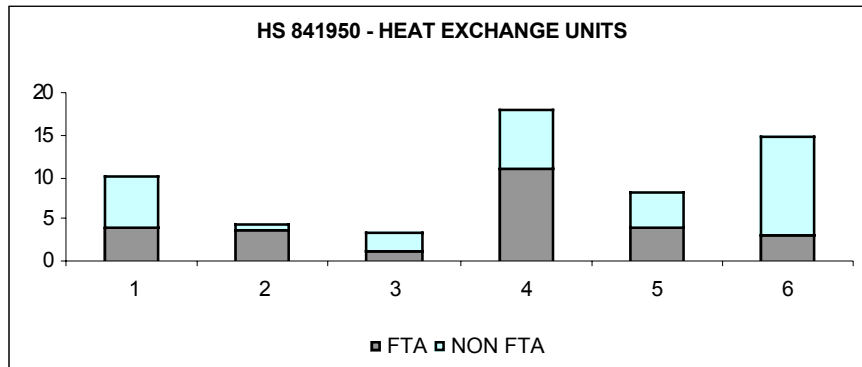


Figure 32. Alberta's Chapter 84 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)

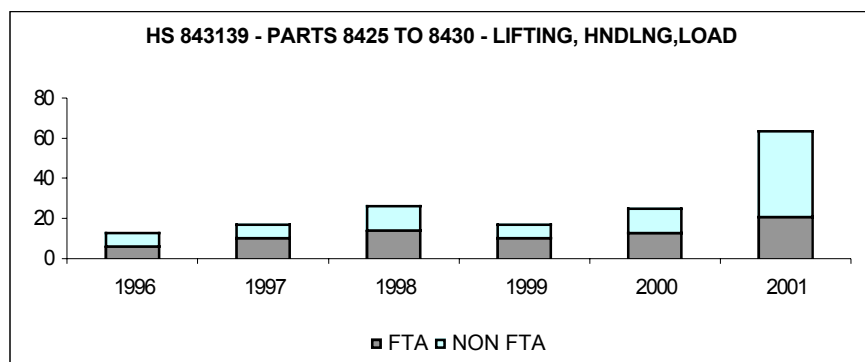
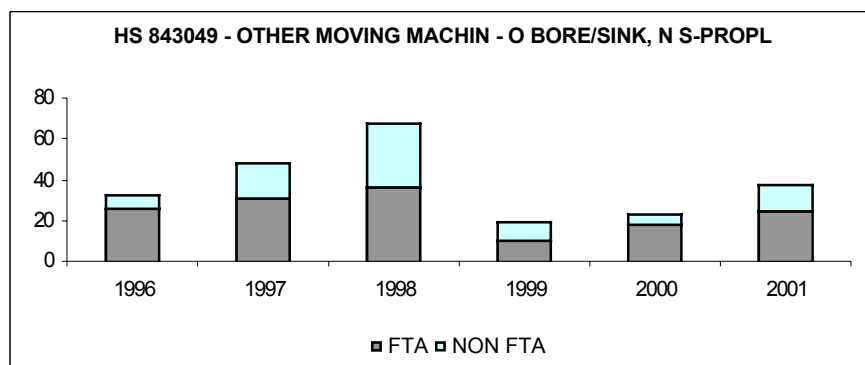
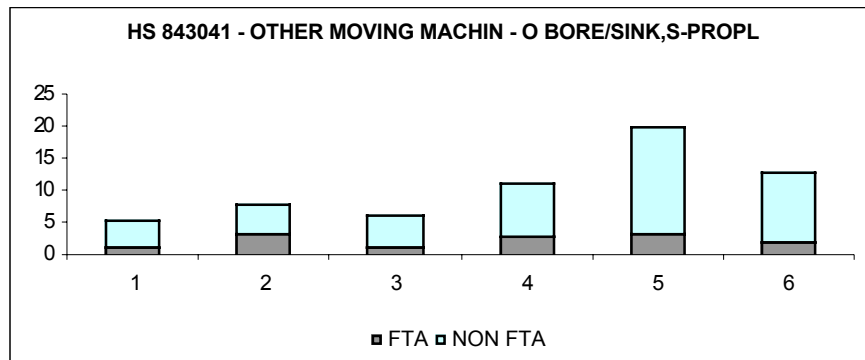


Figure 32. Alberta's Chapter 84 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)

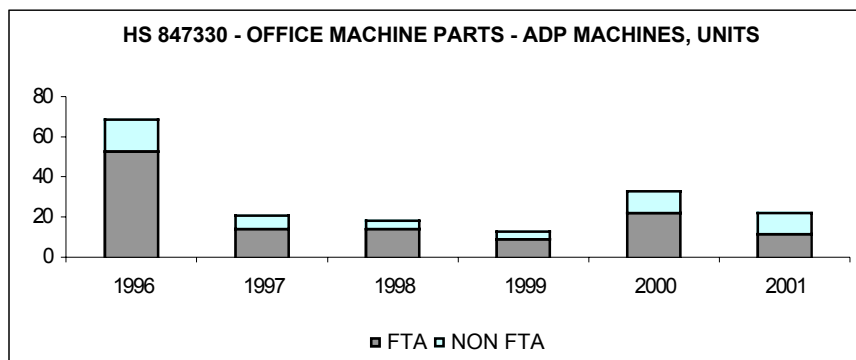
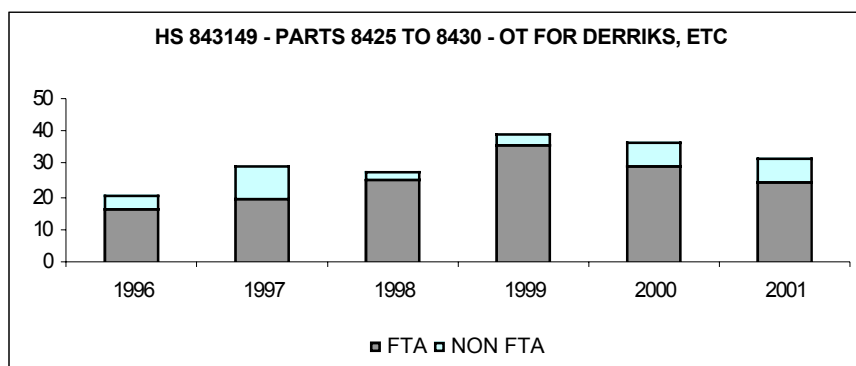
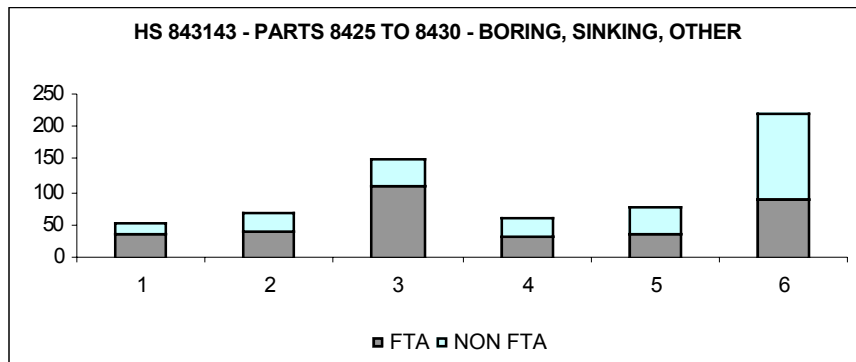
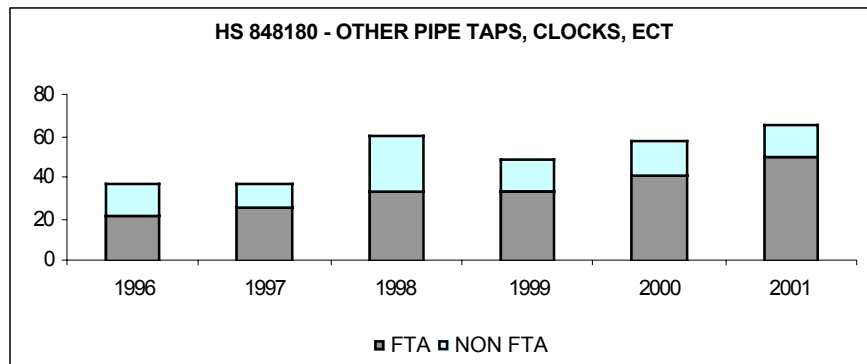
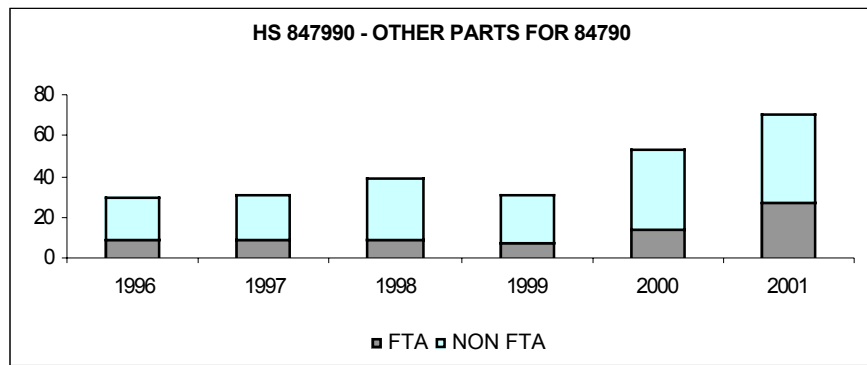
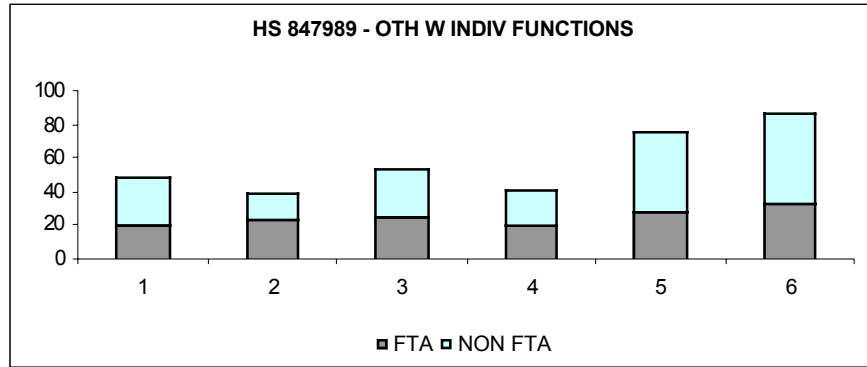


Figure 32. Alberta's Chapter 84 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 85 - Electrical Machinery

Table 65. Bound Tariff Summary: Chapter 85 – Selected Markets
1996 – 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
850131	ELEC MOTOR+GENERATORS - DC MT+GN>750W=<750W	India	40%	0.000	0.000	0.000	2.602	0.000
		China	12%	1.094	0.060	0.000	0.780	0.000
850133	ELEC MOTOR+GENERATORS - DC MT+GEN>75=<375KW	India	25%	0.000	0.000	0.000	0.658	0.000
850134	ELEC MOTOR+GENERATORS - DC MOTR+GENER>375KW	Romania	0 - 35%	0.000	0.000	0.000	3.400	0.000
		India	25%	0.000	0.000	0.000	3.281	0.000
		China	12%	0.000	0.000	0.000	0.728	0.000
850153	ELEC MOTOR+GENERATORS - AC ML-PHSE MTR>75KW	China	12%	0.095	0.000	0.000	0.531	19.791
850211	EL GENERAT SET, ROT CV - DSL GENR SET=<75KVA	India	40%	0.033	0.000	0.000	0.991	0.000
850213	EL GENERAT SET, ROT CV - GN SET COM-IG>375KV	Venezuela	40%	0.000	0.000	0.000	1.176	0.000
850220	EL GENERAT SET, ROT CV - 850220 SP-IG IN COM GN SET	U. A. Emirates	15%	0.000	0.000	0.000	1.632	0.000
850239	EL GENERAT SET, ROT CV - OTHER 8502	Brazil	35%	0.000	0.000	0.000	0.000	3.764
		India	n.a.	0.000	0.000	0.000	1.643	0.000
850300	EL MOTOR/GENERATOR PTS - PARTS FOR 8500,8501	Turkey	13.8%	1.692	1.142	0.000	0.000	0.000
850434	ADP POWER SUPPLIES;PT - OT TRANSFRMR>500KVA	Sudan	n.a.	0.000	0.000	0.000	0.074	2.668
850440	ADP POWER SUPPLIES;PT - ADP POWER SUPPLIES	EU 15	0 - 3.3%	0.637	0.531	0.192	0.394	1.015
		Hong Kong	0%	0.043	0.211	0.060	0.301	0.724
850511	MAGNETS, PARTS - METL PRMANENT MAGNT	EU 15	2.2%	0.000	0.000	0.000	0.811	0.000
851521	WELD, BRAZEN, LASER, ETC - FL/PT AUT EL WELDER	EU 15	2.7%	0.000	0.000	0.000	0.566	0.000
851580	WELD, BRAZEN, LASER, ETC - EL ULSONIC LASR, ETC	China	8%	0.000	0.000	0.000	0.000	1.758
851590	WELD, BRAZEN, LASER, ETC PARTS FOR 8515	China	6%	0.000	0.000	0.000	0.000	0.833
851719	LN TELEPH, ECT EL APPR - OT VID+TELEPHONE SET	Taiwan	0%	3.029	4.193	11.750	20.134	26.189
		Hong Kong	0%	0.703	0.664	6.910	13.193	11.268
		EU 15	0%	1.191	1.303	1.326	2.678	5.261
		Australia	0%	4.178	2.563	7.441	5.488	3.859
		Singapore	0%	0.973	0.824	0.478	5.295	3.458
		Argentina	n.a.	0.006	0.000	0.000	0.006	3.390
		U. A. Emirates	15%	1.997	1.539	2.316	1.859	2.954
		Saudi Arabia	n.a.	4.280	2.871	3.473	1.723	2.026
		Japan	0%	0.000	0.000	0.000	1.190	1.498
		Russia	n.a.	1.488	1.443	1.146	1.362	1.271
		Korea, South	0%	0.119	0.137	0.115	0.793	1.253
		Qatar	15%	0.314	0.426	0.366	0.348	0.967
		Egypt	10%	0.365	0.361	0.446	0.060	0.837
		Croatia	0%	0.000	0.000	0.000	0.000	0.600
		Oman	0%	0.342	1.121	0.801	0.085	0.135
		Turkey	0%	1.298	0.713	0.766	0.381	0.200
Kenya	n.a.	0.000	0.041	3.640	0.009	0.019		
Kuwait	n.a.	0.314	0.398	0.495	0.104	0.083		

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
851730	LN TELEPH, ECT EL APPR - TELPH/GRPH SWTCH AP	Taiwan	0%	0.772	1.209	3.995	5.149	6.531
		Australia	0%	3.444	1.937	5.904	5.945	4.452
		EU 15	0%	6.887	2.801	6.136	4.473	3.969
		Singapore	0%	0.158	0.157	0.019	0.824	1.587
		Saudi Arabia	n.a.	1.104	1.372	1.589	1.206	1.500
		Hong Kong	0%	0.315	0.159	2.112	2.713	1.470
		U. A. Emirates	15%	0.233	0.128	0.231	0.322	1.235
		Korea, South	0%	0.145	0.000	0.033	1.478	1.029
		Japan	0%	0.000	0.000	0.000	0.422	0.580
851750	LN TELEPH, ECT EL APPR - TELECOMM APPRTUS,CARRIER CUR & DIGITAL SYSTM, NESOI	EU 15	0%	1.703	3.732	6.126	3.698	2.006
		China	0%	0.000	0.000	0.000	0.110	1.084
		Saudi Arabia	n.a.	0.162	0.243	0.373	1.335	0.000
		Australia	0%	0.736	0.277	0.819	0.847	0.391
		Taiwan	0%	0.102	0.147	0.356	0.616	0.189
		Hong Kong	0%	0.023	0.056	1.047	0.300	0.119
		Thailand	0%	0.000	4.044	0.000	0.000	0.000
851780	LN TELEPH, ECT EL APPR - O EL T-PHN+T-GRPH A	Taiwan	0%	0.000	0.008	0.018	0.036	1.533
851790	LN TELEPH, ECT EL APPR - PARTS FOR 8517	Taiwan	0%	1.718	2.406	4.983	9.443	17.032
		EU 15	0%	12.080	14.473	15.473	17.981	15.359
		Hong Kong	0%	0.764	0.432	2.145	9.616	10.758
		Australia	0%	5.265	6.446	11.301	15.367	8.375
		Singapore	0%	0.137	0.200	0.061	7.118	5.547
851790	LN TELEPH, ECT EL APPR - PARTS FOR 8517	Korea, South	0%	0.131	0.010	0.149	4.479	4.360
		Brazil	35%	0.277	0.185	5.020	3.116	3.102
		Suriname	20%	0.000	0.000	0.001	0.000	2.470
		Saudi Arabia	n.a.	1.399	1.480	1.479	6.868	1.918
		U. A. Emirates	15%	0.864	0.672	1.096	0.580	1.610
		Japan	0%	0.051	0.029	0.010	2.576	1.601
		China	0%	0.000	0.000	0.085	0.834	1.045
		Argentina	n.a.	0.000	0.000	0.015	0.332	0.734
		New Zealand	0%	0.000	0.021	0.000	0.306	0.632
		Guatemala	45%	0.000	0.000	0.000	12.064	0.000
		Ecuador	15%	0.005	0.000	0.000	1.668	0.003
		Turkey	0%	1.173	0.645	1.363	1.627	0.212
		Bahrain	35%	0.008	0.110	0.196	0.520	0.260
		Thailand	0%	0.000	2.067	0.000	0.003	0.003
		Morocco	40%	0.000	0.612	0.338	0.413	0.066
Russia	n.a.	1.006	0.528	0.294	0.270	0.331		
Mali	n.a.	0.979	0.000	0.000	0.020	0.000		
851830	SOUND - GENERATING EQPT HEAD-EAR-PHONES ,ETC	EU 15	0 - 2%	3.052	2.082	0.621	0.063	0.160
		Australia	15%	0.484	0.717	1.174	0.107	0.011
852020	SOUND RECORDERS - TELEPHN ANSWER MACH	Taiwan	0%	0.171	0.450	1.542	0.623	2.133
		Australia	0%	0.254	0.195	0.675	0.799	1.186
		EU 15	0%	1.324	0.521	0.889	1.044	0.766
		Hong Kong	0%	0.332	0.224	1.021	1.346	0.636
		Singapore	0%	0.039	0.042	0.282	1.053	0.093
		Saudi Arabia	n.a.	0.749	0.611	0.948	0.268	0.254
		Brazil	35%	0.051	0.009	0.014	0.005	0.000
		Benin	n.a.	2.195	0.000	0.000	0.000	0.000
852290	PARTS, ACCES 8519-8521 - PT/ACC F REPROD APP	Taiwan	0 - 7.5%	0.002	0.083	0.138	0.223	0.844
		EU 15	0 - 4%	0.006	0.018	0.113	0.519	0.277
852440	RECORDED SOUND MEDIA - MAGN TPE, N SOUND/IM	Taiwan	0%	0.000	0.000	0.000	0.464	1.337
		Singapore	0%	0.000	0.000	0.000	0.631	1.063
		Hong Kong	0%	0.000	0.000	0.000	0.724	0.970
		Korea, South	0%	0.000	0.000	0.000	0.275	0.724
		Australia	0%	0.000	0.000	0.000	1.183	0.622

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
852499	RECORDED SOUND MEDIA - O MEDIA, F SND/IMAGE	EU 15	0%	0.005	0.011	1.309	2.642	1.481
		Taiwan	0%	0.000	0.007	1.362	2.207	0.701
		Australia	n.a.	0.089	0.267	1.300	1.667	0.208
		Hong Kong	0%	0.000	0.000	0.527	0.677	0.324
		Saudi Arabia	n.a.	0.000	0.172	0.394	0.590	0.149
852510	TRANS AP F R-TEL;TV CM - RAD/TV TRANSMTN APP	Thailand	5%	0.000	0.000	0.000	0.000	2.059
		Brazil	35%	0.000	0.000	0.000	0.000	0.660
852520	TRANS AP F R-TEL;TV CM - TRANSMT AP W REC AP	EU 15	0%	0.261	0.137	0.808	18.994	2.204
		Australia	0%	0.380	0.000	0.863	5.608	0.806
		U. A. Emirates	15%	0.015	0.000	0.000	0.000	0.686
		Bosnia-Herz.	n.a.	0.000	0.000	0.000	2.694	0.000
		Brazil	0 - 35%	0.267	0.015	5.120	2.529	0.000
		Taiwan	0%	0.000	0.000	0.638	2.287	0.000
		Hong Kong	0%	0.028	0.023	0.000	1.497	0.346
		Guatemala	45%	0.000	0.000	0.000	1.488	0.000
		Colombia	35%	0.000	0.000	0.000	0.701	0.000
		Turkey	0%	0.000	0.000	0.000	0.688	0.000
		China	0%	0.000	2.741	0.856	0.091	0.082
		Bahamas	n.a.	0.000	0.000	0.468	0.000	0.000
		Liberia	n.a.	0.000	0.000	1.060	0.000	0.000
		Mali	n.a.	1.828	0.000	0.538	0.000	0.000
		Nigeria	n.a.	0.000	0.000	2.796	0.014	0.165
		Suriname	n.a.	0.000	0.000	1.309	0.006	0.000
		Argentina	n.a.	1.447	0.735	0.000	0.000	0.010
		Benin	n.a.	6.546	0.000	0.013	0.000	0.000
		Peru	30%	1.500	0.000	0.000	0.000	0.000
Sierra Leone	50%	0.953	0.000	0.017	0.000	0.000		
Somalia	n.a.	0.732	0.000	0.000	0.000	0.000		
Philippines	20%	0.556	0.000	0.000	0.000	0.079		
852691	RADR/RAD NAV AID AP - RADIO NAVIG AID APP	Japan	0%	1.033	3.213	3.052	1.378	3.757
		EU 15	0 - 3.7%	1.620	1.318	2.644	2.491	1.405
		China	2%	0.000	0.247	0.040	2.507	0.098
852910	TV/RAD/RADR APP PTS - ANTENNA,ANT REFLCTR	EU 15	0 - 5%	0.320	1.497	1.270	1.348	0.606
852990	TV/RAD/RADR APP PTS - OTHER 8529	EU 15	0 - 3%	0.661	0.488	0.977	14.304	13.209
		Brazil	35%	0.000	0.021	1.799	0.491	2.125
		U. A. Emirates	15%	0.032	0.000	0.000	0.013	1.196
		Korea, South	10 - 13%	0.023	0.064	0.016	0.033	0.693
		Russia	n.a.	0.156	0.000	0.000	0.240	0.582
		Hong Kong	0%	0.072	0.242	0.000	1.269	0.411
		Japan	0%	0.176	0.219	0.515	0.726	0.052
		Poland	0 - 12%	0.000	0.000	0.165	0.603	0.000
		Australia	15%	0.182	0.155	1.595	0.340	0.121
		Brazil	35%	0.000	0.021	1.799	0.491	2.125
		Estonia	n.a.	0.000	0.583	0.000	0.000	0.000
853400	PRINTED CIRCUITS	Australia	0%	0.137	0.000	0.141	0.884	2.085
		Hong Kong	0%	0.152	0.052	0.158	0.006	1.435
		EU 15	0%	0.000	0.055	0.211	0.461	0.763
853669	EL AP F SWCH=<1000V - EL PLUG/SOCK=<1000V	Kazakhstan	n.a.	0.000	0.000	0.000	0.000	0.555
853690	EL AP F SWCH=<1000V - CRC PRTCT AP=<1000V	Brazil	25%	0.000	0.000	0.000	0.618	0.000
853710	BRD,PN W EL SW+N/C AP - CONTROLS,ETC=<1000V	EU 15	2.1%	0.147	0.418	0.435	1.083	0.617
		Venezuela	35 - 40%	0.000	0.000	0.000	0.489	0.563
		Cuba	n.a.	0.590	0.367	0.172	0.370	0.556
		China	5 - 8.4%	0.003	0.040	1.641	0.008	0.050
		Korea, South	n.a.	0.000	2.120	0.427	0.000	0.118

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
853720	BRD, PN W EL SW+N/C AP - CONTROLS, ETC <1000V	Hong Kong	0%	0.000	3.892	3.592	0.013	2.229
		Saudi Arabia	n.a.	0.048	0.000	0.000	0.000	1.813
		Philippines	n.a.	0.000	0.047	0.475	0.000	1.437
		Latvia	n.a.	0.000	0.000	0.000	0.000	0.878
		Singapore	10%	0.000	0.086	0.000	0.866	0.000
		EU 15	2.1%	0.180	2.639	4.916	0.225	0.450
		Lithuania	n.a.	0.000	1.527	0.699	0.000	0.019
		U. A. Emirates	15%	0.000	1.498	0.691	0.000	0.268
		China	8.4%	0.000	0.219	1.217	0.000	0.126
		Ecuador	15%	0.000	0.243	0.790	0.175	0.000
		India	25%	0.000	0.000	2.682	0.229	0.435
		Taiwan	1.25 - 8.5%	0.000	0.000	0.816	0.000	0.000
		Cuba	n.a.	0.152	0.767	0.013	0.067	0.147
		Malaysia	n.a.	0.000	0.504	0.000	0.000	0.238
853810	EL APP PTS (8535-7) - BOARD, PANL, CONS,ETC	EU 15	2.2%	0.000	0.149	0.089	0.016	1.782
		Venezuela	35 - 40%	0.000	0.000	0.000	0.000	0.645
854389	OTH ELEC MACH, ETC;PTS - O EL MAC/AP W IND F	EU 15	0%	0.592	0.856	0.420	0.272	1.563
		Venezuela	35 - 40%	0.000	0.058	0.000	0.000	1.240
854449	INSUL CABL, WIRE, ETC - O INS EL CNDCT=<80V	Algeria	n.a.	0.000	0.039	0.000	0.000	2.745
854459	INSUL CABL, WIRE, ETC - EL CNDCTR>80=<1000V	Cuba	n.a.	0.424	0.559	0.103	0.132	0.276
854460	INSUL CABL, WIRE, ETC - ELEC CONDUCTR<1000V	Libya	n.a.	0.305	0.123	1.839	0.071	0.949
		Lebanon	n.a.	0.000	0.000	0.098	0.032	0.628
		Japan	0 - 4.8%	0.389	0.097	0.069	0.641	0.383

Table 66. Alberta's Annual Chapter 85 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
850131	ELEC MOTOR+GENERATORS - DC MT+GN>750W=<750W	0.006	1.657	1.001	0.833	3.659	1.093
850133	ELEC MOTOR+GENERATORS - DC MT+GEN>75=<375KW	0.000	0.012	0.000	0.073	1.077	0.004
850134	ELEC MOTOR+GENERATORS - DC MOTR+GENER>375KW	0.280	0.246	0.139	0.130	7.436	0.000
850153	ELEC MOTOR+GENERATORS - AC ML-PHSE MTR>75KW	0.007	0.095	0.290	0.087	0.615	20.083
850211	EL GENERAT SET, ROT CV - DSL GENR SET=<75KVA	0.146	0.078	0.011	0.026	1.391	0.000
850213	EL GENERAT SET, ROT CV - GN SET COM-IG>375KV	0.000	0.000	0.316	0.779	1.176	0.204
850220	EL GENERAT SET, ROT CV - 850220 SP-IG IN COM GN SET	0.000	0.000	0.020	0.000	1.639	0.309
850239	EL GENERAT SET, ROT CV - OTHER 8502	0.000	0.000	0.041	0.410	1.943	4.334
850300	EL MOTOR/GENERATOR PTS - PARTS FOR 8500,8501	0.429	2.822	1.666	0.276	1.082	0.647
850434	ADP POWER SUPPLIES;PT - OT TRANSFRMR>500KVA	0.206	0.026	0.130	0.285	0.080	2.759
850440	ADP POWER SUPPLIES;PT - ADP POWER SUPPLIES	1.121	1.512	1.680	0.834	2.541	5.525
851521	WELD, BRAZEN, LASER, ETC - FL/PT AUT EL WELDER	0.012	0.000	0.000	0.000	0.566	0.000
850511	MAGNETS, PARTS - METL PRMANENT MAGNT	0.000	0.000	0.000	0.000	0.811	0.000

HS Code	Description	1996	1997	1998	1999	2000	2001
851580	WELD, BRAZEN, LASER, ETC - EL ULSONIC LASR, ETC	0.060	0.000	0.000	0.090	0.000	1.941
851590	WELD, BRAZEN, LASER, ETC - PARTS FOR 8515	0.066	0.267	0.511	0.127	0.063	1.155
851719	LN TELEPH, ECT EL APPR - OT VID+TELEPHNE SET	20.808	23.229	20.137	42.572	57.106	67.106
851730	LN TELEPH, ECT EL APPR - TELPH/GRPH SWTCH AP	13.746	15.038	9.670	21.557	24.285	23.944
851750	LN TELEPH, ECT EL APPR - OTHER 8517	4.503	3.348	9.377	9.383	7.356	4.976
851780	LN TELEPH, ECT EL APPR - O EL T-PHN+T-GRPH A	0.054	0.349	0.897	1.152	1.154	2.499
851790	LN TELEPH, ECT EL APPR - PARTS FOR 8517	27.027	29.028	32.852	46.308	98.714	79.677
851830	SOUND - GENERATING EQPT - HEAD-EAR-PHONES, ETC	2.137	3.565	2.881	1.861	0.227	0.347
852020	SOUND RECORDERS - TELEPHN ANSWER MACH	3.319	6.022	2.526	6.075	5.764	6.295
852290	PARTS, ACCES 8519-8521 - PT/ACC F REPROD APP	0.042	0.145	0.555	0.493	1.551	2.125
852440	RECORDED SOUND MEDIA - MAGN TPE,N SOUND/IM	0.091	0.000	0.000	0.000	4.700	5.960
852499	RECORDED SOUND MEDIA - O MEDIA,F SND/IMAGE	0.167	0.111	0.500	5.331	8.627	3.356
852510	TRANS AP F R-TEL;TV CM - RAD/TV TRANSMTN APP	0.408	0.442	0.060	0.181	0.383	4.096
852520	TRANS AP F R-TEL;TV CM - TRANSMT AP W REC AP	12.561	16.147	4.069	15.091	39.281	6.097
852691	RADR/RAD NAV AID AP - RADIO NAVIG AID APP	3.009	3.415	6.096	7.063	7.567	6.688
852910	TV/RAD/RADR APP PTS - ANTENNA, ANT REFLCTR	0.386	0.763	1.934	2.151	1.900	1.202
852990	TV/RAD/RADR APP PTS - OTHER 8529	2.752	2.189	2.692	6.282	20.292	21.446
853400	PRINTED CIRCUITS	0.025	0.369	0.268	0.666	1.422	4.815
853669	EL AP F SWCH=<1000V - EL PLUG/SOCK=<1000V	0.060	0.083	0.235	0.485	0.225	1.177
853690	EL AP F SWCH=<1000V - CRC PRTCT AP=<1000V	0.545	2.321	0.369	0.882	1.836	0.996
853710	BRD, PN W EL SW+N/C AP - CONTROLS, ETC=<1000V	1.978	1.879	3.544	3.638	3.038	3.960
853720	BRD, PN W EL SW+N/C AP - CONTROLS, ETC <1000V	1.790	2.143	11.789	17.607	2.130	9.612
853810	EL APP PTS (8535-7) - BOARD, PANL, CONS, ETC	0.094	0.200	0.566	0.510	0.118	2.672
854389	OTH ELEC MACH, ETC;PTS - O EL MAC/AP W IND F	2.274	3.088	2.107	3.258	0.614	3.188
854449	INSUL CABL, WIRE, ETC - O INS EL CNDCT=<80V	0.057	0.069	0.073	0.026	0.338	3.329
854459	INSUL CABL, WIRE, ETC - EL CNDCTR>80=<1000V	0.259	0.648	0.581	0.566	0.349	0.483
854460	INSUL CABL, WIRE, ETC - ELEC CONDUCTR<1000V	0.169	0.869	0.340	2.218	1.579	2.205

Chapter 85 exports are divided into a large number of products, which are shipped from Alberta to a variety of destinations. With the exception of electrical motors (HS 850153), printed circuits (HS 853400) and boards and control panels (HS 853720), the products described in this study are mainly exported to FTA countries. Among the products exported to non-FTA countries, parts for telephone lines, telephone-switching equipment, telephone sets and electrical motors and generators contributed the largest export values to Chapter 85 exports and showed continued growth over the last years. The prevalent destinations for products in the telecommunications industry were Taiwan, Hong Kong, the EU, Singapore and Australia, all countries having 0% bound tariff rates due to the Information Technology Agreement concluded in Singapore in 1996. Exports of electrical motors and generators, on the other hand, are facing high tariffs of up to 40% in India and Venezuela, 12% in China (HS 850153) and 35% in Brazil. In particular the high bound tariff rates in China could be considered a target for tariff reduction negotiations.

Figure 33. Alberta's Chapter 85 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

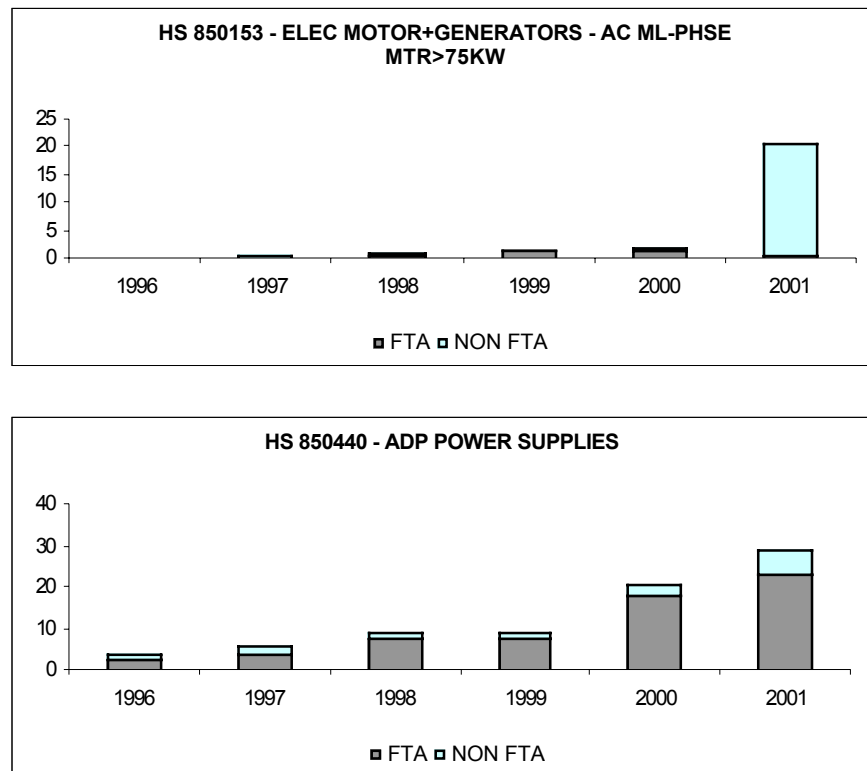


Figure 33. Alberta's Chapter 85 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)

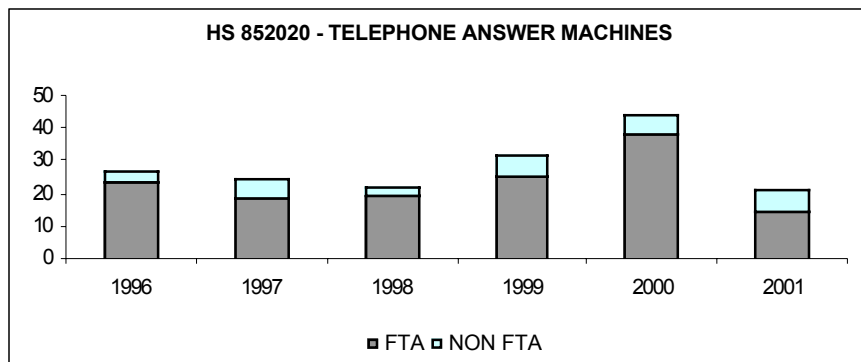
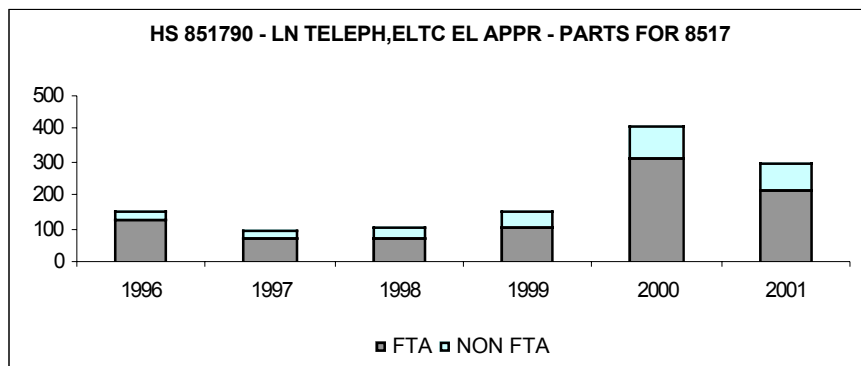
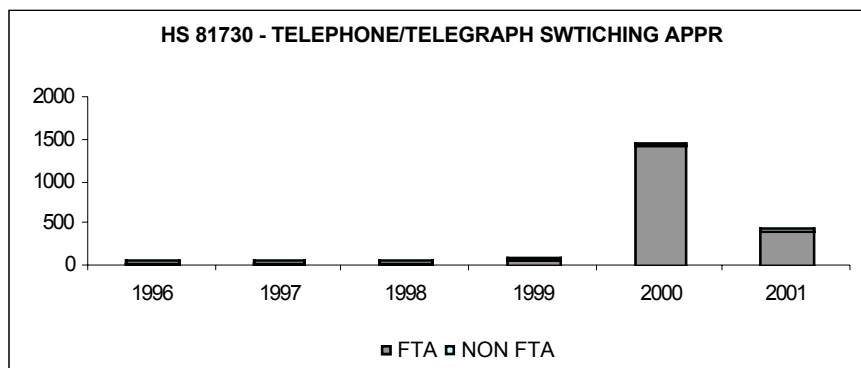
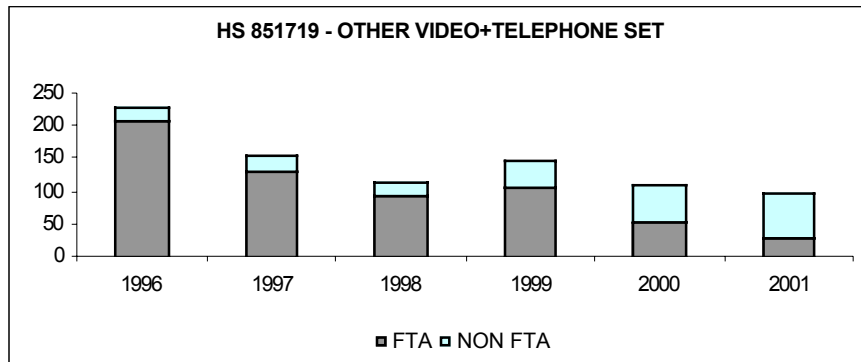
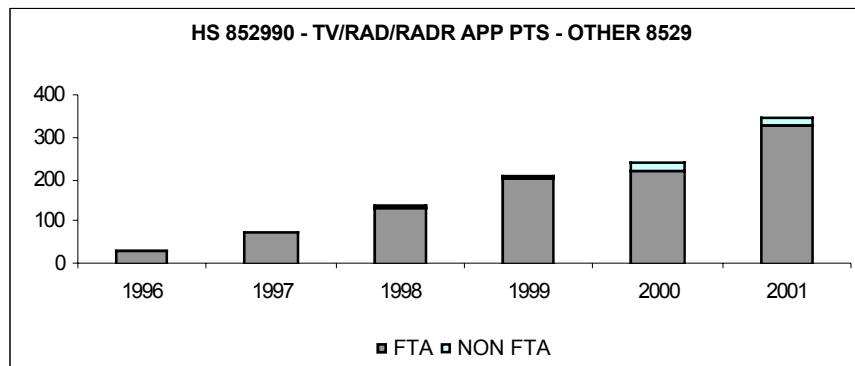
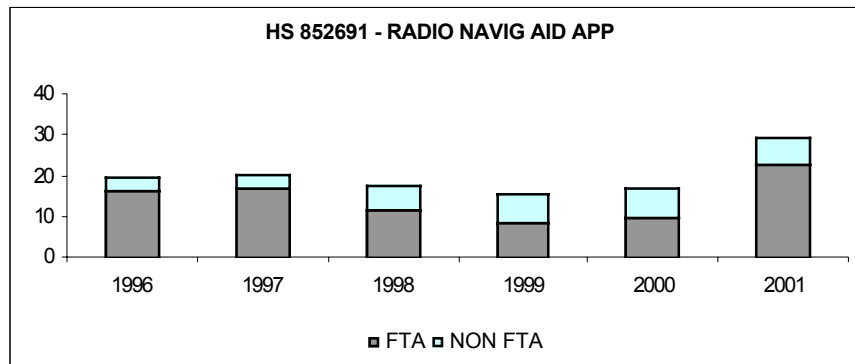
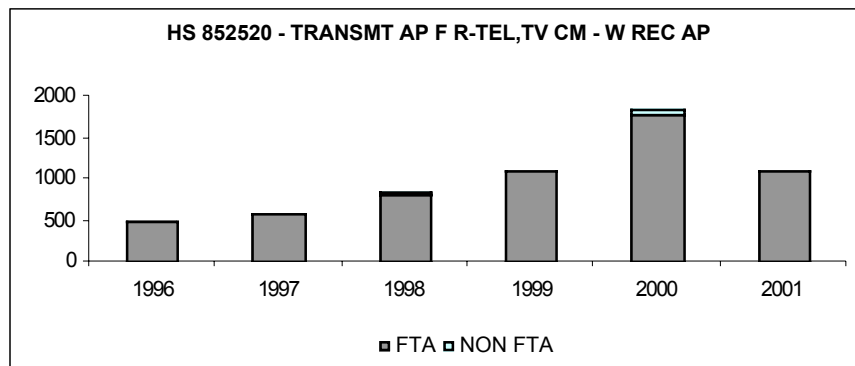
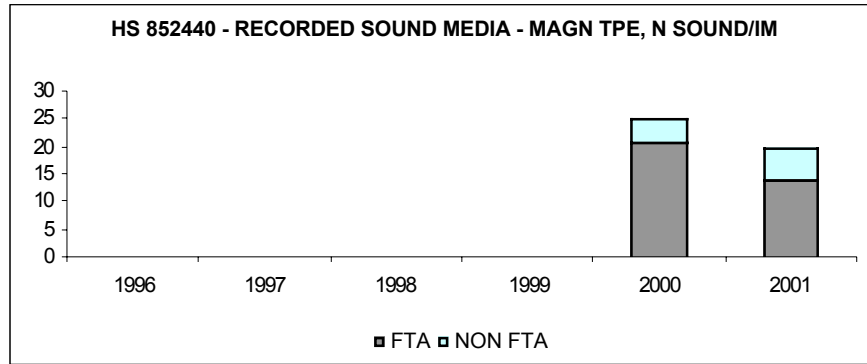


Figure 33. Alberta's Chapter 85 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 87 - Vehicles, Not Railway

Table 67. Bound Tariff Summary: Chapter 87 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
870120	TRACTORS, NOT IN 8709 - SEMI-TRAILR RD TRCT	Chad	n.a.	0.000	0.000	0.000	0.000	1.447
870190	TRACTORS, NOT IN 8709 - OTHER 8701	Sudan	n.a.	0.000	0.101	0.000	0.000	2.349
870324	PASSENGER MOTOR - SPRK-IGN>3000 CC	Japan	0%	0.697	0.141	0.152	3.321	1.639
		EU 15	10%	0.631	1.484	2.413	0.574	0.675
870410	MOTOR TRUCKS - OFF-HIGHWAY DUMPERS	Cuba	n.a.	11.234	0.000	1.674	0.000	0.000
870421	MOTOR TRUCKS - O TRUCK DSL=<5M TON	EU 15	3.5 - 22%	0.279	0.086	0.181	0.505	0.048
870423	MOTOR TRUCKS - TRUCK DSL>20 M TON	Venezuela	35 - 40%	0.000	1.356	0.000	0.000	0.000
		Libya	n.a.	0.000	0.677	0.000	0.000	0.000
		Russia	n.a.	2.600	0.000	0.000	0.000	0.000
870431	MOTOR TRUCKS SPARK-IGN=< 5 M TON	Japan	0%	0.000	0.000	0.018	0.710	0.179
870510	OT SPEC PURPOSE M VEH - MOBILE CRANES	Yemen	n.a.	0.000	0.000	0.275	1.679	0.535
870520	OT SPEC PURPOSE M VEH - MOBILE DRILL DERRCK	Russia	n.a.	0.671	0.000	0.000	0.000	1.721
		Australia	15%	0.000	0.000	0.000	0.936	0.000
		Peru	30%	1.351	0.595	0.000	0.000	0.000
		Brazil	35%	1.311	0.000	0.000	0.000	0.000
		Korea, South	13%	0.998	0.000	0.000	0.000	0.000
870530	FIRE FIGHTING VEHCL OT SPEC PURPOSE M VEH -	Qatar	15%	0.000	0.000	0.000	0.000	4.148
		Cuba	n.a.	0.613	0.000	0.000	0.000	0.000
870540	OT SPEC PURPOSE M VEH - CONCRETE MIXERS	China	15%	2.077	0.000	0.000	0.000	0.000
		Philippines	n.a.	0.688	0.000	0.000	0.000	0.000
870590	OT SPEC PURPOSE M VEH - OTHER 8705	Russia	n.a.	0.171	0.000	0.000	0.000	9.198
		EU 15	3.7%	0.341	0.000	0.000	0.000	1.167
		Cuba	12%	1.342	0.069	0.130	0.075	0.562
		Kazakhstan	n.a.	0.447	0.219	1.196	0.000	0.351
870590	OT SPEC PURPOSE M VEH - OTHER 8705	Oman	n.a.	0.000	0.000	1.084	0.000	0.000
		Croatia	n.a.	0.000	0.000	0.502	0.000	0.000
		Venezuela	35 - 40%	0.000	1.490	0.000	0.282	0.309
870899	PART/ACCESS 8701-8705 - OTHER 8708	Japan	0%	0.022	0.067	0.030	0.044	1.115
		Cuba	5%	0.629	0.886	0.190	0.330	0.932
		Australia	0 - 25%	1.211	0.293	0.789	0.277	0.175
871000	MTR ARMORD WAR VHCL	EU 15	1.7%	0.000	0.016	0.090	0.525	0.000
871631	TRAIL, ET, MT, MEC PROPL TANKER TRAILERS	Libya	n.a.	0.154	0.000	0.000	0.000	0.600
871640	TRAIL, ET, MT, MEC PROPL OTHER TRAILERS	Iran	n.a.	0.000	0.000	0.000	0.000	2.467
		Sudan	n.a.	0.000	0.000	0.000	0.000	0.919
		Chad	n.a.	0.000	0.000	0.000	0.000	0.666
871680	TRAIL, ET, MT, MEC PROPL OTHER 8716	EU 15	1.7%	0.024	0.188	0.559	0.882	0.110

Table 68. Alberta's Annual Chapter 87 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
870120	TRACTORS, NOT IN 8709 - SEMI-TRAILR RD TRCT	0.416	0.005	0.077	0.283	0.000	1.827
870190	TRACTORS, NOT IN 8709 - OTHER 8701	0.557	0.446	0.106	0.019	0.156	2.704
870324	PASSENGER MOTOR - SPRK-IGN>3000 CC	3.489	1.670	1.935	2.736	4.018	2.861
870410	MOTOR TRUCKS - OFF-HIGHWAY DUMPERS	0.246	11.368	0.000	1.674	0.000	0.026
870421	MOTOR TRUCKS O TRUCK DSL=<5M TON	0.512	0.351	0.157	0.222	0.810	0.284
870431	MOTOR TRUCKS SPARK-IGN=< 5 M TON	1.167	1.041	0.617	1.500	1.053	0.944
870510	OT SPEC PURPOSE M VEH - MOBILE CRANES	0.309	0.042	0.000	0.451	1.693	0.535
870520	OT SPEC PURPOSE M VEH - MOBILE DRILL DERRCK	4.195	4.330	0.758	0.110	1.006	2.010
870530	OT SPEC PURPOSE M VEH - FIRE FIGHTING VEHCL	0.000	0.613	0.000	0.148	0.000	4.148
870540	OT SPEC PURPOSE M VEH - CONCRETE MIXERS	0.000	2.939	0.502	0.000	0.380	0.501
870590	OT SPEC PURPOSE M VEH - OTHER 8705	3.680	3.266	2.187	3.082	1.034	11.927
870899	PART/ACCESS 8701-8705 - OTHER 8708	1.558	3.389	3.505	3.134	2.153	4.478
871000	MTR ARMORD WAR VHCL	0.000	0.000	0.016	0.090	0.525	0.000
871631	TANKER TRAILERS	0.000	0.154	0.000	0.152	0.432	0.889
871640	TRAIL, ET, MT, MEC PROPL- OTHER TRAILERS	0.000	0.041	0.304	1.424	7.058	4.778
871680	TRAIL, ET, MT, MEC PROPL- OTHER 8716	0.043	0.024	0.192	0.796	0.882	0.110

With few exceptions, Chapter 87 products from Alberta have been shipped almost entirely to FTA countries. Among the non-FTA nations, Chad, Sudan, Russia, Qatar have recently gained importance as export destinations. Most of the products in Chapter 87 are related to the resource extraction sector and, therefore, are mainly exported to countries with a growing natural resource sector. In some export countries bound tariffs are high at 35 - 40% in Venezuela, 30% in Peru and 15% in Qatar, and these high rates might have an influence on the export value of Alberta's products. Bound tariffs in the EU are also relatively high and range from 10% for passenger vehicles to 3.5 - 22% for motor trucks.

Figure 34. Alberta's Chapter 87 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

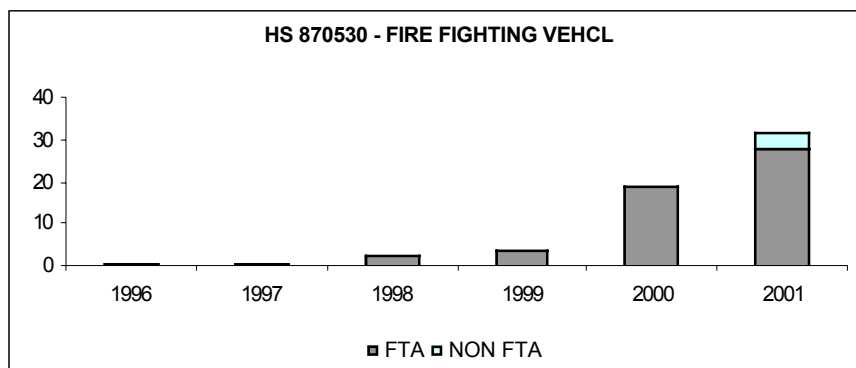
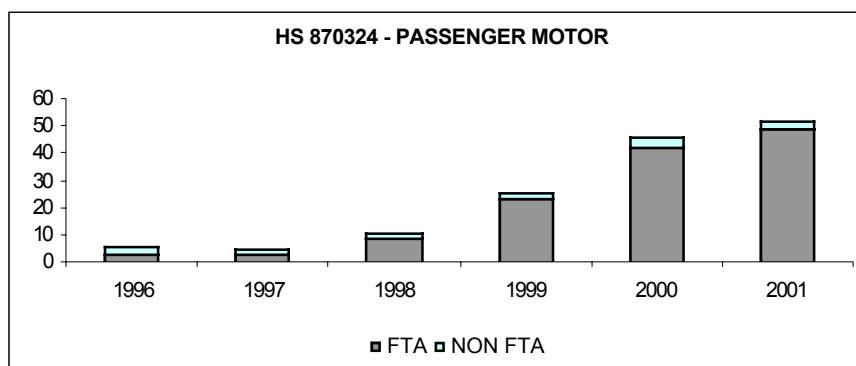
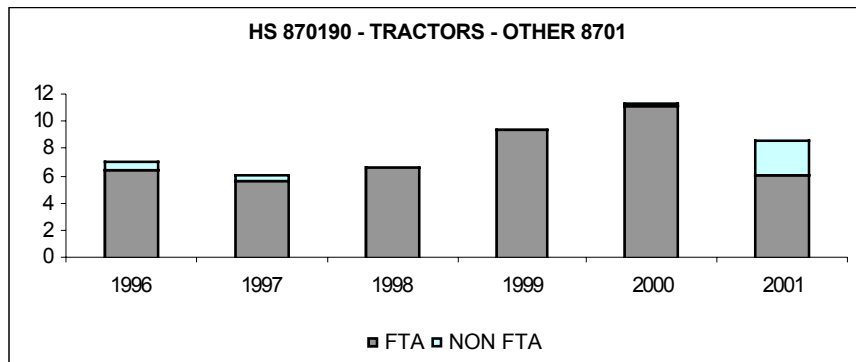
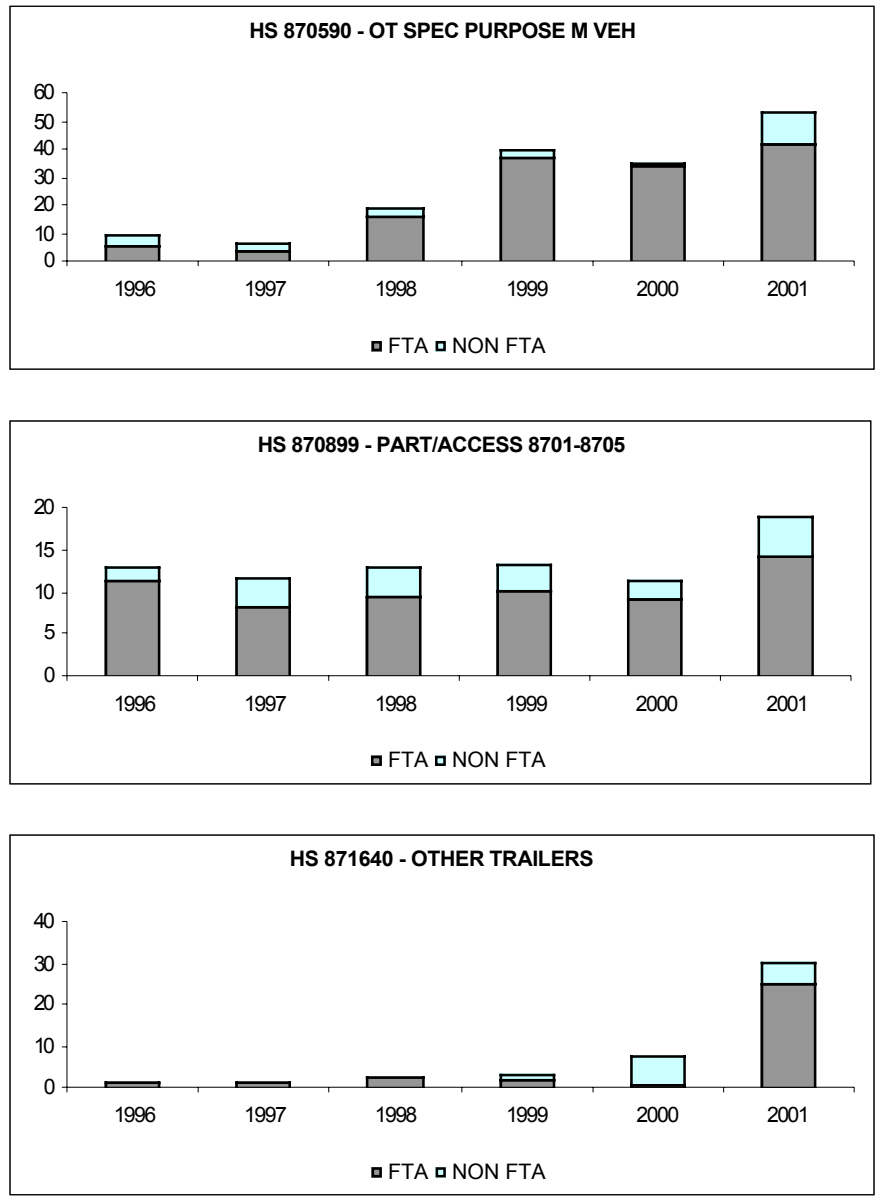


Figure 34. Alberta's Chapter 87 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 88 - Aircraft, Spacecraft

Table 69. Bound Tariff Summary: Chapter 88 – Selected Markets
1996 - 2001, Export Values - \$ millions

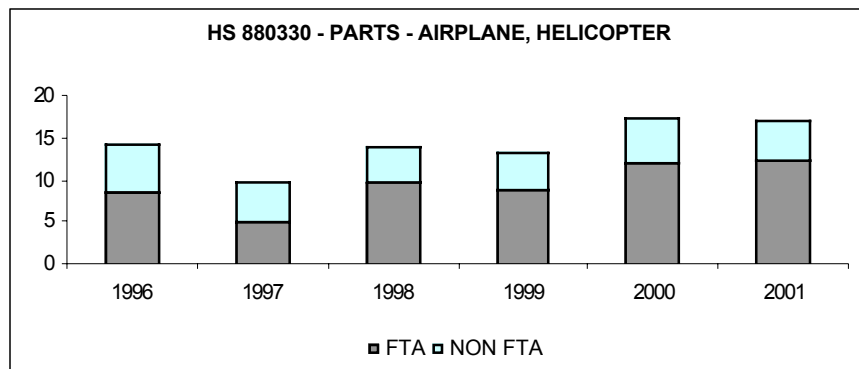
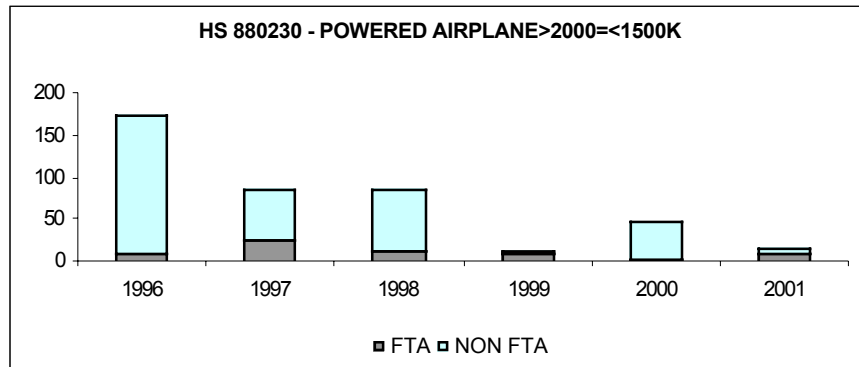
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
880211	POWRD AIRCRFT;SPCRAFT - HELICOPTERS=<2000KG	EU 15	0 - 7.5%	0.000	0.153	0.000	1.824	0.000
880212	POWRD AIRCRFT;SP CRAFT HELICOPTERS>2000 KG	EU 15	0 - 2.7%	0.624	0.000	0.000	0.000	0.000
880230	POWRD AIRCRFT;SP CRAFT AIRPLN>2000=<15000K	Brazil	35%	6.749	0.000	0.000	0.000	7.178
		Argentina	35%	23.561	0.000	0.000	36.377	0.000
		Jamaica	50%	0.000	0.000	0.000	5.167	0.000
		Nepal	n.a.	0.000	4.177	2.189	2.490	0.000
		Maldives	30%	0.000	7.452	1.312	0.000	0.000
		EU 15	0 - 2.7%	17.954	44.597	0.000	0.000	0.000
		Bangladesh	n.a.	0.000	17.406	0.000	0.000	0.000
		Australia	5%	12.867	0.000	0.000	0.000	0.000
880310	PARTS - PROPELLR ROTOR;OTHR	Malaysia	5%	0.000	0.000	0.000	0.000	0.631
880330	PARTS - AIRPLANE, HELICOPTER	EU 15	0 - 2.7%	1.921	2.129	2.474	3.843	1.685
		Maldives	30%	0.062	0.035	0.033	0.214	0.721
		Malaysia	5%	0.972	0.000	0.000	0.620	0.302
		Gabon	n.a.	0.000	0.000	0.791	0.000	0.000
		Haiti	25%	0.526	0.000	0.000	0.000	0.000

Table 70. Alberta's Annual Chapter 88 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
880211	POWRD AIRCRFT;SP CRAFT HELICOPTERS=<2000KG	0.000	0.000	0.153	0.000	1.824	0.000
880212	POWRD AIRCRFT;SP CRAFT HELICOPTERS>2000 KG	3.005	0.624	0.000	3.956	0.119	0.000
880230	POWRD AIRCRFT;SP CRAFT AIRPLN>2000=<15000K	166.824	61.131	73.632	3.501	44.034	7.178
880310	PARTS - PROPELLR ROTOR;OTHR	0.334	0.035	0.013	0.159	0.593	0.830
880330	PARTS - AIRPLANE, HELICOPTER	5.848	4.578	4.242	4.668	5.426	4.644

In Chapter 88, the major export categories were airplanes (HS 880230) and parts for airplanes and helicopters (HS 880330). While the export value of airplanes shipped to non-FTA countries was higher than FTA-exports in most years since 1996, exports of airplane parts were dominated by shipments to FTA nations. There has been a significant decline exports of airplanes to non-FTA countries since 1996. Major export destinations for airplanes were Brazil, Argentina, Jamaica, Nepal, Maldives and Bangladesh. The EU has been the major export destination for airplanes in 1997 and 1998 and remains the most important destination for airplane parts. Bound tariffs for Chapter 88 products are high, ranging from 50% in Jamaica to 35% in Brazil and 30% in Maldives. The EU has lower bound tariffs of 0 - 7.5% for airplanes and 0 - 2.7% for parts.

Figure 35. Alberta's Chapter 88 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products



HS Chapter 90 – Optical and Medical Instruments

Table 71. Bound Tariff Summary: Chapter 90 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
901480	DIR-FIND COMP, NAV INS - OT NAVIG INST/APPLI	Australia	0 - 15%	0.000	0.000	0.000	0.000	0.938
901580	SURVEY/HYDRG, ETC INST - OTHER SURVEYING, ETC	EU 15	2.7 - 3.7%	8.716	6.453	4.693	4.396	6.906
		Bolivia	n.a.	0.348	1.405	0.142	0.321	5.387
		Norway	2.5 - 4%	0.000	0.033	0.000	2.012	5.182
		U. A. Emirates	15%	0.600	0.000	0.347	0.000	2.680
		China	5%	0.259	0.046	2.850	0.000	2.383
		Argentina	n.a.	0.169	3.808	0.071	0.756	2.353
		Cuba	n.a.	1.341	0.549	0.094	0.000	0.809
		Kazakhstan	n.a.	0.021	0.000	0.010	0.459	0.651
		Sudan	n.a.	0.227	0.000	0.000	0.000	0.550
		Australia	0 - 10%	0.056	0.494	0.564	3.636	0.488
		Tanzania	n.a.	0.000	0.000	3.467	0.000	0.000
		Trinidad & Tob.	50%	0.000	0.202	1.041	0.000	0.000
		Singapore	n.a.	0.196	3.617	0.084	0.164	0.001
		Turkey	8.2 - 9.1%	0.010	1.179	0.025	0.000	0.000
		Egypt	10%	0.000	0.704	0.051	0.000	0.000
901590	SURVEY/HYDRG, ETC INST - OT PTS+ACC FOR SURV	Norway	3 - 4%	0.000	0.000	0.000	0.316	4.645
		Colombia	35%	0.000	0.000	0.000	0.000	2.343
		Bolivia	n.a.	0.000	0.000	0.000	0.000	1.706
		EU 15	2.7%	1.004	0.208	1.017	0.404	0.888
		Peru	30%	0.000	0.000	0.000	0.028	0.604
		Russia	n.a.	0.889	0.660	0.047	2.398	0.000
		Libya	n.a.	0.022	0.466	0.076	0.762	0.000
		Australia	n.a.	0.404	0.046	0.000	0.518	0.190
		Poland	9%	0.715	0.855	0.021	0.000	0.000
901890	N-EL MED/SURG/ETC INS OT MED/SURG/DEN/VET	EU 15	0%	0.102	0.178	0.670	1.550	0.055
		Russia	n.a.	1.120	0.071	0.000	0.327	0.000
901910	MECH-THER, MSSG, ETC AP MECH-THER, MSSG, PSYC	EU 15	0%	0.061	0.326	0.121	0.480	1.856
902130	ORHPDC; ARTIF BODY PT - O ARTIF PTS OF BODY	EU 15	0%	30.069	30.265	31.342	21.772	18.748
		Japan	0%	7.716	14.781	10.289	12.471	8.453
		Cyprus	40%	1.247	1.243	0.945	0.999	2.259
		Switzerland	0%	1.270	1.543	2.511	2.174	1.173
		Hong Kong	0%	0.000	0.529	3.245	3.151	1.095
		Turkey	13 - 14%	1.015	0.583	0.513	0.223	0.889
		Norway	0%	0.522	0.934	1.178	0.992	0.544
		Brazil	35%	0.984	0.649	0.747	1.035	0.031
		India	40%	0.417	0.154	0.562	0.768	0.401
		Egypt	20%	1.025	1.090	0.608	0.753	0.472
		Colombia	35%	0.644	0.453	0.500	0.747	0.114
		Australia	0%	0.992	0.969	0.662	0.726	0.064
		Jordan	n.a.	0.040	0.322	0.314	0.506	0.000
		Argentina	35%	0.980	0.801	0.833	0.000	0.018
		Singapore	0%	2.295	1.806	0.101	0.062	0.013
		Saudi Arabia	n.a.	0.779	0.854	0.445	0.112	0.226
		Sudan	n.a.	0.000	0.623	0.000	0.000	0.000
		Taiwan	0%	0.452	0.557	0.445	0.167	0.008
		Korea, South	0%	0.695	0.517	0.298	0.307	0.000
		Poland	9%	1.145	0.028	0.000	0.253	0.000
902190	ORHPDC; ARTIF BODY PT - OTH ARTIFICIAL BODY PTS	India	40%	0.000	0.000	0.000	0.662	0.000
902580	HYDR/THERM/PYR MTR, ET O HYDR/HYGR MTR, ETC	Russia	n.a.	0.000	0.000	0.000	0.815	0.000
902620	INS F MEAS/CHECK FLOW - MEAS/CHECK PRESSURE	China	0%	0.671	0.406	0.705	2.618	1.319
		Algeria	n.a.	1.361	0.003	0.008	0.008	0.000
		Colombia	35%	0.650	0.000	0.000	0.000	0.000

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
902710	INS F PHYS, ETC ANALYS - GAS/SMOKE ANALYSIS	EU 15	2.5%	1.233	1.563	1.373	3.140	8.344
		Venezuela	35 - 40%	0.017	0.000	0.041	0.007	0.893
		U. A. Emirates	15%	0.218	0.015	0.032	1.549	0.817
		Singapore	0%	0.136	0.107	0.199	0.534	0.608
		Australia	0%	0.090	0.045	0.116	0.456	0.573
		Hong Kong	0%	0.053	0.152	0.000	0.210	0.525
		Qatar	15%	0.028	0.000	0.288	0.639	0.518
		India	25%	0.000	0.000	0.531	0.236	0.097
902730	INS F PHYS, ETC ANALYS - SPCTMTR SPCTRPHTMTR	EU 15	0%	0.412	0.677	1.734	1.587	1.567
		Japan	0%	0.434	0.000	0.473	0.000	0.690
		Australia	0%	0.582	0.694	0.083	0.047	0.000
902780	INS F PHYS, ETC ANALYS - O PH CH MEAS VSCSTY	EU 15	0%	0.104	0.096	0.531	0.454	0.653
		Bahrain	35%	0.000	0.000	0.000	0.000	0.586
		Nigeria	n.a.	0.000	0.000	0.011	2.523	0.010
902790	INS F PHYS, ETC ANALYS - PTS OF OTHER 9027	EU 15	2.5%	0.152	0.098	0.187	0.479	1.907
902810	GAS/LIQ/ELEC SUPP MTR - GAS METERS	Kazakhstan	n.a.	0.000	0.000	0.000	0.000	0.535
902890	GAS/LIQ/ELEC SUPP MTR - PTS/ACC FOR 9028	Hong Kong	0%	0.619	0.000	0.000	0.000	0.000
		Malaysia	5 - 25%	0.550	0.000	0.000	0.000	0.000
		EU 15	2.1%	0.530	0.000	0.000	0.000	0.001
903039	OSCILL, SPECTRM ANALYZR - MEAS VOLT, ET, N R DV	Australia	5%	0.575	0.000	0.000	0.014	0.000
903040	OSCILL, SPECTRM ANALYZR - OT F TELECOMMUNCATN	EU 15	0 - 4.2%	0.300	0.000	0.047	0.114	0.989
		Australia	5%	1.958	0.000	0.000	0.000	0.000
		Japan	0%	0.833	0.000	0.000	0.028	0.000
903089	OSCILL, SPECTRM ANALYZR - O MEAS/CHECK EL QTY	Japan	0%	4.232	0.000	0.000	0.017	0.020
		Australia	5%	2.581	0.000	0.000	0.016	0.000
		EU 15	0%	1.674	0.083	0.000	0.091	0.074
903090	OSCILL, SPECTRM ANALYZR - PARTS FOR 9030	Australia	0 - 5%	3.593	0.000	0.000	0.016	0.000
		Japan	0%	0.751	0.000	0.000	0.000	0.044
903180	OT MATCH; PROFILE PROJECT OT FOR MEAS+CHECKNG	Korea, South	0 - 8%	0.000	0.012	0.000	0.535	1.291
		EU 15	0 - 4%	2.201	0.745	1.298	1.717	0.910
		Indonesia	40%	0.000	0.000	0.000	0.000	0.541
		Kazakhstan	n.a.	0.000	0.000	0.000	1.193	0.022
		Venezuela	35 - 40%	0.005	0.000	0.002	0.812	0.161
		Russia	n.a.	1.285	0.000	0.911	0.062	0.000
		Saudi Arabia	n.a.	0.003	0.711	0.000	0.000	0.000
		Australia	0 - 5%	5.087	0.126	0.044	0.070	0.217
		Japan	0%	2.185	0.000	0.000	0.000	0.000
Singapore	0%	0.889	0.053	0.015	0.162	0.014		
903190	OT MATCH;PROFILE PROJCT PT OF O MACH+PRF PR	EU 15	0 - 2.8%	0.043	0.035	0.046	0.142	0.699
		Colombia	35%	0.000	0.000	0.000	0.000	0.640
		Argentina	35%	0.000	0.000	0.000	0.591	0.117
		Venezuela	35 - 40%	0.000	0.535	0.242	0.000	0.084
903281	OT MATCH;PROFILE PROJCT HYDRAULIC/PNEUMATIC	Qatar	15%	0.000	0.000	0.000	0.871	0.000
903289	AUT REG/CONTRL INS; PT - NT THRSTAT, MNSTAT	U. A. Emirates	15%	0.012	0.014	0.255	1.497	1.184
		EU 15	0 - 2.8%	0.041	0.416	0.424	4.194	0.236
		Hong Kong	0%	0.526	0.000	0.165	1.163	0.012
		Malaysia	0%	0.000	0.020	0.000	0.723	0.000
		India	40%	0.000	0.073	0.097	0.550	0.000
		Singapore	0%	0.580	0.413	0.379	0.519	0.455
		Sudan	n.a.	0.000	0.000	5.877	0.000	0.000
		Russia	n.a.	0.002	0.939	0.812	0.000	0.000
		Argentina	25%	0.018	0.027	0.576	0.041	0.031
903290	AUT REG/CONTRL INS; PT - PARTS FOR 9032	Hong Kong	0%	0.000	0.000	0.017	0.822	0.000
		New Zealand	n.a.	0.000	0.000	0.000	0.561	0.000

Table 72. Alberta's Annual Chapter 90 Export Values to Non-FTA Countries, 1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
901480	DIR-FIND COMP, NAV INS - OT NAVIG INST/APPLI	0.155	0.064	0.074	0.208	0.019	1.341
901580	SURVEY/HYDRG, ETC INST - OTHER SURVEYING, ETC	6.960	14.458	19.663	14.787	12.965	29.362
901590	SURVEY/HYDRG, ETC INST - OT PTS+ACC FOR SURV	2.017	3.482	2.876	1.909	4.921	10.877
901890	N-EL MED/SURG/ETC INS OT MED/SURG/DEN/VET	0.338	1.395	0.547	0.750	2.242	0.138
901910	MECH-THER, MSSG, ETC AP MECH-THER, MSSG, PSYC	0.025	0.061	0.434	0.225	0.580	2.165
902130	ORTHPDC; ARTIF BODY PT - O ARTIF PTS OF BODY	53.415	53.913	59.852	56.526	48.109	35.069
902190	ORTHPDC; ARTIF BODY PT - OTH ARTIFICIAL BODY PTS	0.393	0.174	0.411	0.405	0.772	0.000
902580	HYDR/THERM/PYR MTR, ET O HYDR/HYGR MTR, ETC	0.658	0.130	0.010	0.074	0.821	0.054
902620	INS F MEAS/CHECK FLOW - MEAS/CHECK PRESSURE	2.421	4.417	1.118	1.038	3.732	3.149
902710	INS F PHYS, ETC ANALYS - GAS/SMOKE ANALYSIS	4.859	2.164	2.579	2.647	8.501	15.104
902730	INS F PHYS,ETC ANALYS - SPCTMTR SPCTRPHMTR	0.000	1.427	1.371	2.421	1.683	2.538
902780	INS F PHYS, ETC ANALYS - O PH CH MEAS VSCSTY	1.070	0.609	1.843	1.837	5.015	2.392
902790	INS F PHYS, ETC ANALYS - PTS OF OTHER 9027	0.848	0.483	0.305	0.448	1.326	3.075
902810	GAS/LIQ/ELEC SUPP MTR - GAS METERS	0.010	0.087	0.030	0.000	0.016	0.644
902890	GAS/LIQ/ELEC SUPP MTR - PTS/ACC FOR 9028	0.006	2.472	0.057	0.035	0.129	0.026
903039	OSCILL, SPECTRM ANALYZR - MEAS VOLT,ET,N R DV	0.236	0.634	0.172	0.005	0.120	0.379
903040	OSCILL, SPECTRM ANALYZR OT F TELECOMMUNCATN	9.128	3.419	0.368	0.099	0.391	1.454
903089	OSCILL, SPECTRM ANALYZR - O MEAS/CHECK EL QTY	0.360	9.234	0.091	0.130	0.178	0.183
903090	OSCILL, SPECTRM ANALYZR - PARTS FOR 9030	9.453	4.960	0.007	0.379	0.194	0.497
903180	OT MATCH; PROFILE PROJCT OT FOR MEAS+CHECKNG	3.422	12.648	1.837	2.808	5.652	4.154
903190	OT MATCH PROFILE PROJCT PT OF O MACH+PRF PR	1.203	0.627	0.584	0.459	1.065	2.190
903281	OT MATCH;PROFILE PROJCT HYDRAULIC/PNEUMATIC	0.048	0.021	0.011	0.000	0.877	0.009
903289	AUT REG/CONTRL INS; PT - NT THRMOSTAT, MNSTAT	1.631	1.728	2.162	10.137	10.600	2.697
903290	AUT REG/CONTRL INS ;PT -	0.801	0.445	0.241	0.387	2.692	0.264

Chapter 90 is comprised of a large number of different products, which were exported from Alberta in mainly smaller quantities to a variety of destinations. While most of the products selected in this study were exported to FTA countries as well as to non-FTA countries, artificial body parts (HS 902130) are almost entirely shipped to non-FTA nations. The major export destinations were the EU and Japan, followed by Cyprus, Switzerland, Hong Kong, Turkey and Norway. These countries impose no tariffs on imports of artificial body parts, except for Cyprus (40%) and Turkey (13 - 14%). In addition to artificial body parts, Chapter 90 exports were mainly accounted for by surveying and other precision instruments for physical analysis (HS 901580, 901590 and 902710). Major import countries for these products were the EU, Bolivia, Norway, the United Arab Emirates, Colombia, Venezuela, and China.

Figure 36. Alberta's Chapter 90 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products

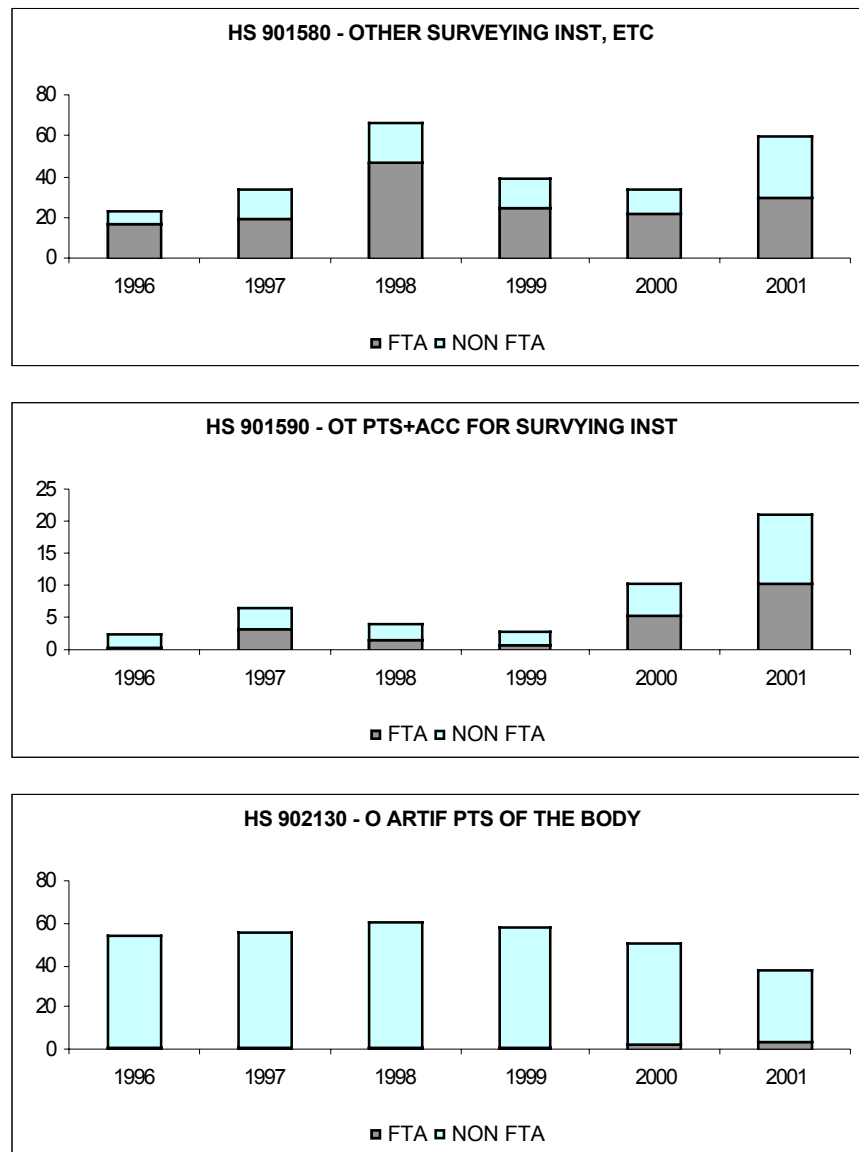


Figure 36. Alberta's Chapter 90 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)

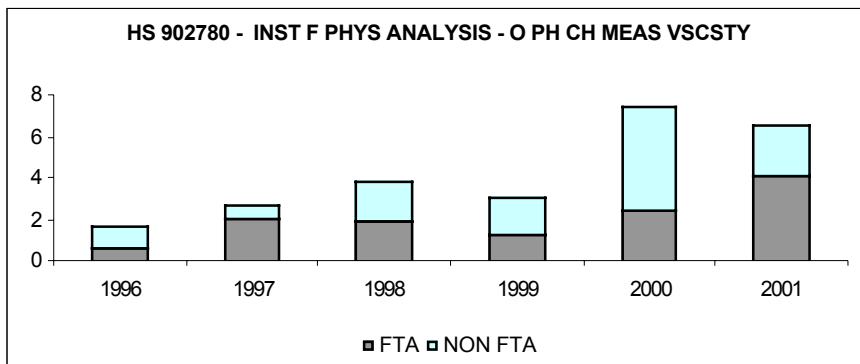
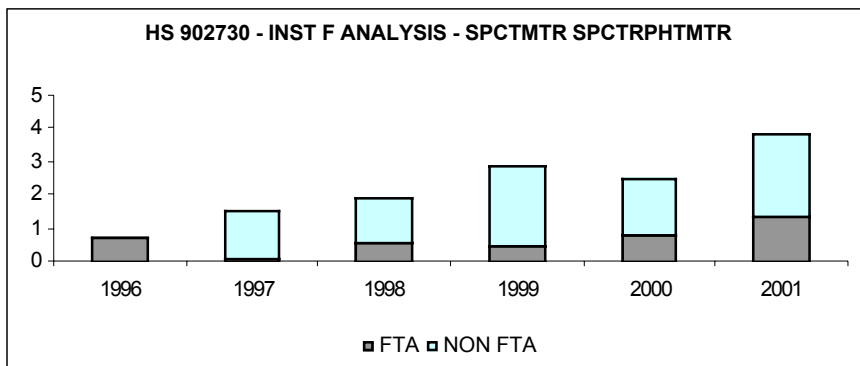
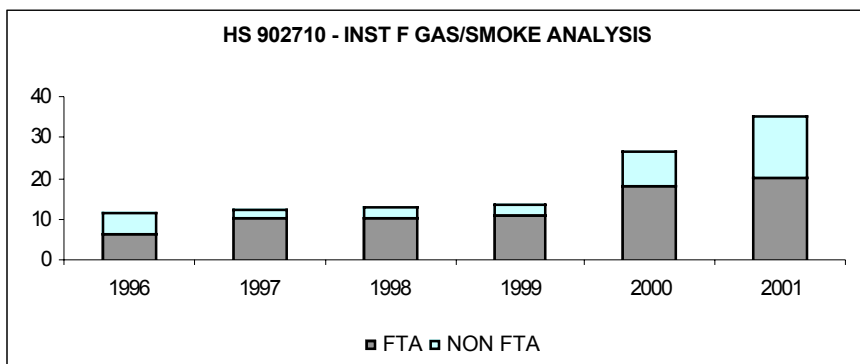
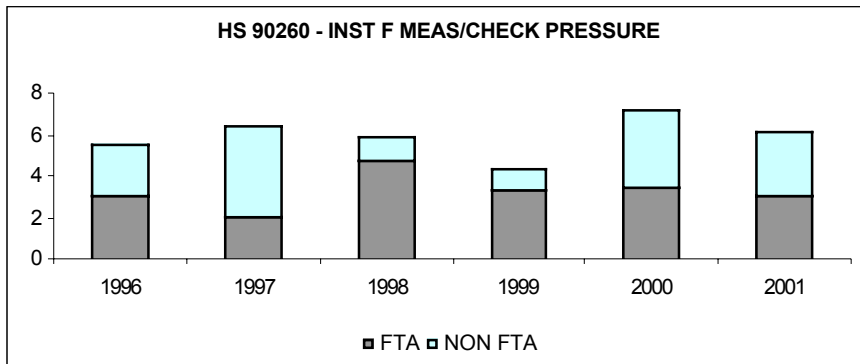
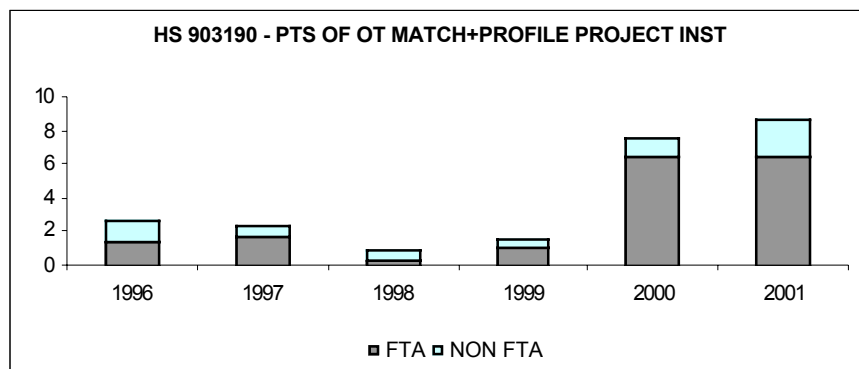
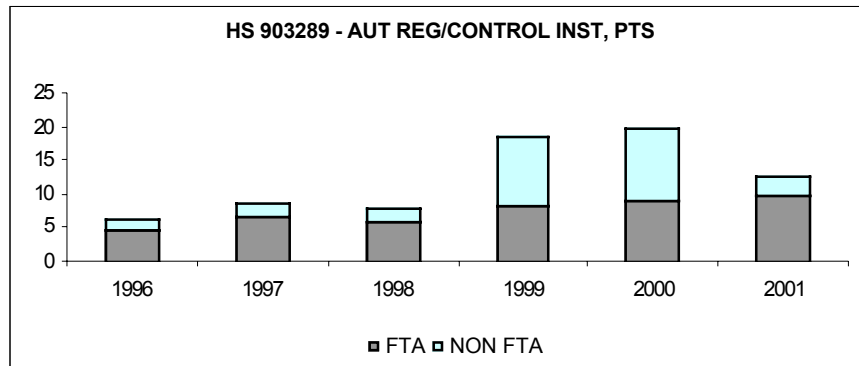
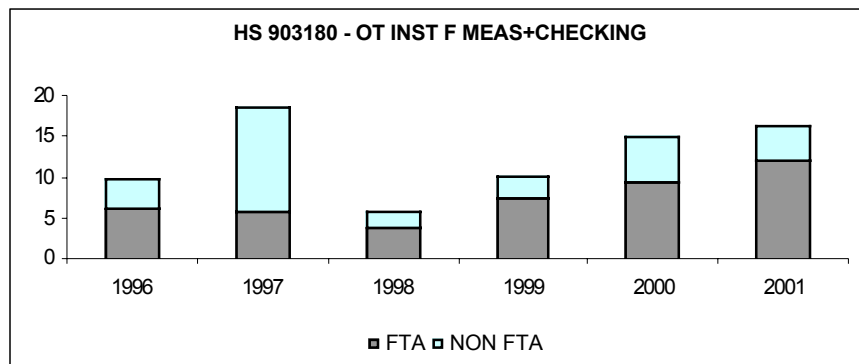
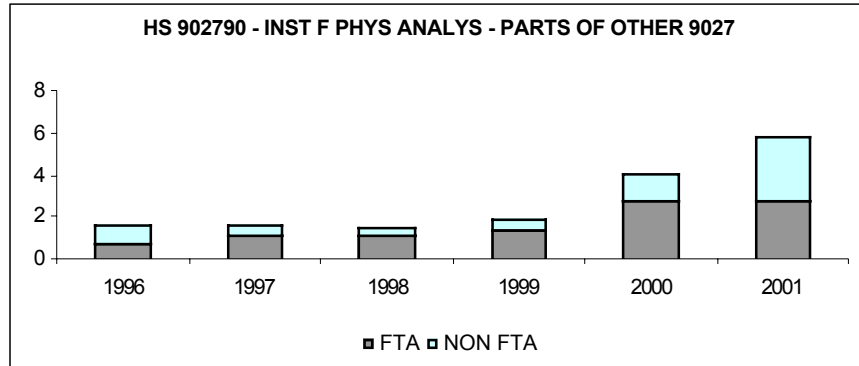


Figure 36. Alberta's Chapter 90 Export Values (\$ millions) to Non-FTA and FTA Countries 1996 to 2001 - Selected Products (continued)



HS Chapter 94 - Furniture and Bedding

Table 73. Bound Tariff Summary: Chapter 94 – Selected Markets
1996 - 2001, Export Values - \$ millions

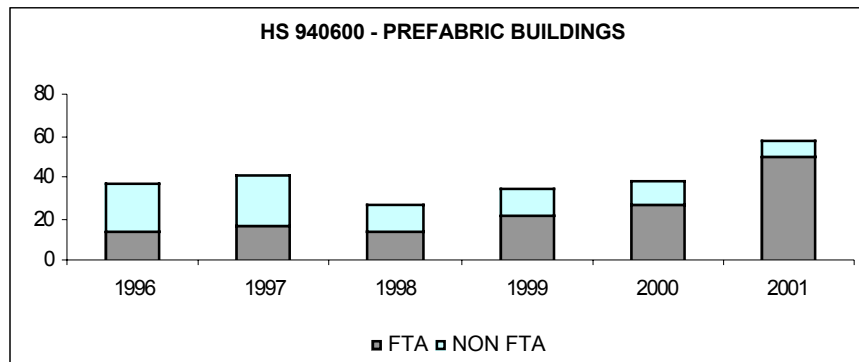
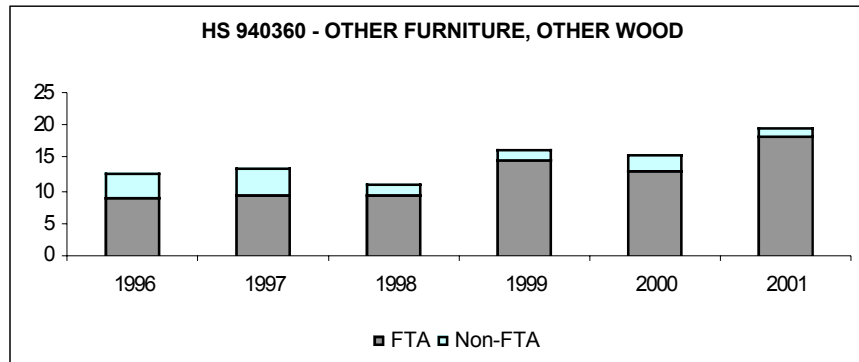
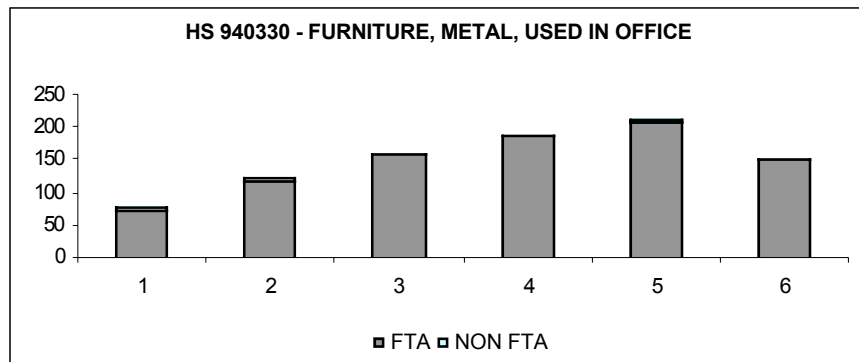
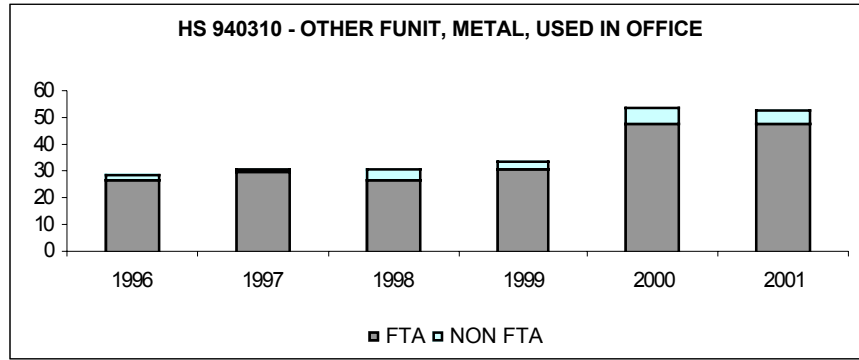
HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
940310	OTHER FUNIT, NOT SEAT METAL, USED IN OFFIC	EU 15	0%	0.564	1.250	1.105	1.436	2.672
		China	0%	0.000	0.481	0.000	0.036	0.982
		Hong Kong	0%	0.068	0.000	0.010	0.000	0.554
		Bahamas	n.a.	0.000	0.000	0.000	0.894	0.000
		Japan	0%	0.011	0.454	0.166	0.639	0.007
		Egypt	60%	0.000	0.000	0.000	0.563	0.000
		Malaysia	30%	0.000	0.673	0.000	0.000	0.000
940330	OTHER FUNIT, NOT SEAT WOODEN, OFFICE	EU 15	0%	2.208	1.195	1.283	1.530	1.883
		Switzerland	0%	0.000	0.000	0.069	2.016	0.000
		Hong Kong	0%	0.932	0.845	0.242	0.407	0.006
		Japan	0%	0.563	0.487	0.029	0.120	0.064
940340	OTHER FUNIT, NOT SEAT WOODEN, KITCHEN	Japan	0%	1.049	0.343	0.197	0.137	0.029
940360	OTHER FUNIT, NOT SEAT - OTHER WOOD	Japan	0%	2.971	0.897	0.559	1.251	0.472
		EU 15	0%	1.021	0.458	0.744	0.424	0.352
940390	OTHER FUNIT, NOT SEAT OTHER 9403	EU 15	2.7%	0.644	0.154	0.200	0.440	0.078
940600	PREFABRIC BUILDINGS	Japan	0%	14.611	3.473	1.621	2.620	1.996
		Russia	n.a.	2.016	0.493	0.000	3.554	1.534
		EU 15	2.7%	2.321	1.255	3.699	3.006	1.341
		Korea, South	13%	0.560	0.000	0.056	0.058	0.851
		Iran	n.a.	0.000	0.000	0.000	0.000	0.828
		Venezuela	35 - 40%	0.000	0.504	1.160	2.437	0.263
		Algeria	n.a.	0.014	1.680	0.000	1.129	0.000
		Peru	30%	0.218	2.284	3.793	0.000	0.000
		China	10%	2.462	0.000	1.943	0.192	0.014
Saudi Arabia	n.a.	0.000	1.328	0.000	0.000	0.000		

Table 74. Alberta's Annual Chapter 94 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - Selected Products

HS Code	Description	1996	1997	1998	1999	2000	2001
940310	OTHER FUNIT, NOT SEAT METAL, USED IN OFFIC	2.412	0.940	4.122	2.433	5.207	5.141
940330	OTHER FUNIT, NOT SEAT WOODEN, OFFICE	5.380	4.645	3.000	2.063	4.763	2.885
940340	OTHER FUNIT, NOT SEAT WOODEN, KITCHEN	0.417	1.369	0.474	0.235	0.137	0.132
940360	OTHER FUNIT, NOT SEAT OTHER WOOD	3.489	4.179	1.494	1.439	2.247	1.027
940390	OTHER FUNIT, NOT SEAT OTHER 9403	1.631	1.068	0.391	0.248	0.505	0.163
940600	PREFABRIC BUILDINGS	22.984	23.437	12.987	12.978	11.951	7.468

Alberta's exports of furniture and bedding, which are included in Chapter 94, are mainly comprised of prefabricated buildings and metal furniture for office use. All major export categories in this chapter have experienced a decline in export value to non-FTA countries since 1996 as well as in 2001. The main export destinations for furniture were the EU, Switzerland and Japan. While the major export destinations have no or low tariff barriers, some countries have very high bound tariff rates, such as Egypt with 60% and Malaysia with 30%. Japan, Russia and the EU dominated the export market for prefabricated buildings. Tariffs in these destinations are low or, in the case of Russia, not available.

Figure 37. Alberta's Chapter 94 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



HS Chapter 95 & 97 - Toys And Sports Equipmt; Art And Antiques

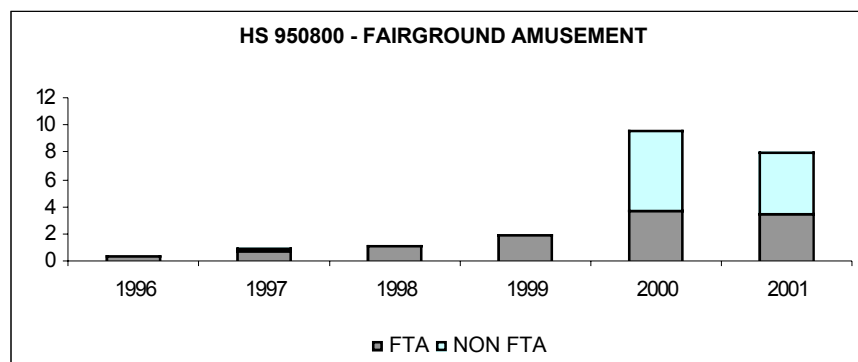
Table 75. Bound Tariff Summary: Chapter 95 & 97 – Selected Markets
1996 - 2001, Export Values - \$ millions

HS Code	Description	Market	Tariff	1997	1998	1999	2000	2001
950490	GAMES, ARCADE/TABLE, ET GAMES, NT COIN/TOKEN	EU 15	0%	0.685	0.700	0.201	0.000	0.003
950699	SPORTS EQUIP; POOLS - OTHER 9506	EU 15	0 - 2.7%	0.165	0.171	0.306	1.134	0.603
950800	FAIRGROUND AMUSEMENT	Japan	0%	0.000	0.000	0.000	5.642	4.562
970500	COLECTORS BOTAN, HIST	Korea, South	0%	0.000	0.000	0.000	0.000	0.564
		Japan	0%	0.159	0.801	1.166	0.269	0.079

Table 76. Alberta's Annual Chapter 95 & 97 Export Values to Non-FTA Countries,
1996 - 2001, \$ millions - selected products

HS Code	Description	1996	1997	1998	1999	2000	2001
950490	GAMES, ARCADE/TABLE, ET - GAMES, NT COIN/TOKEN	0.204	0.982	0.700	0.258	0.009	0.003
950699	SPORTS EQUIP; POOLS - OTHER 9506	0.653	0.259	0.509	0.670	1.491	0.907
950800	FAIRGROUND AMUSEMENT	0.004	0.155	0.054	0.027	5.863	4.562
970500	COLECTORS BOTAN,HIST	0.887	2.353	0.973	1.261	0.622	1.037

Figure 38. Alberta's Chapter 95 & 97 Export Values (\$ millions) to Non-FTA and FTA Countries
1996 to 2001 - Selected Products



Export Highlights

Alberta's total exports have increased by 72.5% over the past five years, from \$33.3 billion in 1997 to \$57.5 billion in 2001. The United States remained the major trading partner for Alberta. The US share of Alberta's total exports rose from 80.4% in 1997 to 88.8% in 2001. Together with the other Free Trade Agreement (FTA) countries, Mexico, Chile, Costa Rica and Israel, Alberta's trade with FTA countries increased from 81.3% in 1997 to 89.8% in 2001.

The total export value to non-FTA countries showed a decrease from \$6.3 billion in 1997 to \$5.9 billion in 2001. The share of exports to non-FTA countries declined by almost half from 18.7% in 1997 to 10.2% in 2001. This indicates that the significant increase in total exports from Alberta was entirely accounted for by an increasing trade with FTA countries.

The Top-Five non-FTA trading partners for Alberta from 1997 to 2001 were Japan, the EU, China, South Korea and Taiwan. This order remained almost identical over this period. Brazil, Indonesia and Hong Kong were always among the Top-Ten export destinations, while Iran, Australia, Algeria, and Cuba only appeared in some years on the Top-Ten list. Venezuela was among the ten most important export destinations only in 2001.

China and Taiwan have recently joined the WTO, which has led to major reductions of bound tariff rates for both countries. Due to the importance of these two non-FTA markets, these tariff reductions are expected to have a positive influence on the development of exports to China and Taiwan in the future.

Alberta's dominant export commodity from 1997 to 2001 remained Mineral Fuel (HS 27), accounting for at least 50% of total exports and with 97 - 99% of shipments going to the US. The remaining export categories in the Top-Ten list included Electrical Equipment (HS 85), Meat (HS 02), Wood (HS 44), Wood Pulp (HS 47), Organic Chemicals (HS 29), Plastics (HS 39), Cereals (HS 10), Machinery and Appliances (HS 84), Live Animals (HS 01) and Misc. Grain, Seeds and Fruits (HS 12).

Among the Top-Ten export categories ranked according to their total export value, the percentage of exports to non-FTA nations was the highest for Cereals (HS 10), although it decreased from approximately 85% in 1997 to 80% in 2001. The share of exports of Wood Pulp (HS 47) to non-FTA countries ranked second and decreased slightly from 58% in 1997 to 57% in 2001. The non-FTA country-share of Grain/Seeds exports (HS 12) rose from 37% in 1997 to 52% in 2001 and the share of exports of Machinery (HS 84) increased slightly from 36% in 1997 to 38% in 2001. Other product groups among the Top-Ten exports, of which at least 10% were shipped to non-FTA countries were Meat (HS 02), Organic Chemicals (HS 29), Plastics (HS 39) and Electrical Equipment (HS 85).

The export value of cereals (HS 10) from Alberta to non-FTA countries decreased from \$1,450 million in 1997 to \$1,114 million in 2001. The major export destinations for durum wheat (HS 100110) were Algeria, Morocco, the EU, Venezuela and Japan. Bound tariffs in most of the export destinations for durum wheat are very high, and can reach 170% in Morocco and 117% in Venezuela. Similarly, high bound tariffs are

found in the major export destinations for non-durum wheat (HS 100190), such as 30% in the Philippines, 27% in Indonesia, 124% in Columbia and 65% in China. Due to the importance of non-FTA nations for Alberta's cereal exports, reduction of these tariffs should be considered during trade negotiations.

Alberta's exports of Wood Pulp (HS 47) ton non-FTA countries increased from \$620 million in 1997 to \$743 million in 2001. In particular chemical non-coniferous wood pulp (HS 470329) and semi-chemical wood pulp (HS 470500) were exported to non-FTA nations. The main export destinations for wood pulp, such as Japan, the EU, South Korea, Taiwan and China, do not impose any import duties on wood pulp. Other significant markets have high bound tariffs, such as 40% in Indonesia and up to 35% in Brazil. Since the forestry sector plays an important role in Alberta, reduction of these tariffs is a priority for Alberta.

Miscellaneous grain, seed and fruit exports (HS 12) from Alberta to non-FTA nations have increased from \$399 million in 1997 to \$455 million in 2001. The major export commodity in this chapter was canola seed (HS 120500), followed by forage products from different crops (HS 121490) and from alfalfa only (HS 121410). The major export destinations for canola seeds were Japan, which does not impose any tariff, and China with a bound tariff of 9%. China's tariff should be a priority for tariff reduction considering the importance of this export destination for Alberta's canola production. Forage products were facing tariffs of up to 100% in South Korea, the second largest export destination for these products. Due to the increasing values of forage products exports to South Korea this tariff should also be an important target for reduction.

Meat exports (HS 02) to non-FTA countries have increased from \$198 million in 1997 to \$373 million in 2001. Among the non-FTA countries, the market for meat was dominated by Asia, primarily Japan, Taiwan and South Korea. Only horsemeat (HS 020500) is mainly exported to Europe. Tariffs for meat exports, in particular beef, are very high in Asian countries, such as 50% in Japan, 40% in South Korea and NT\$10/kg in Taiwan. Although tariffs for pork are lower, they may still reach 25% in South Korea. Considering the high importance of the meat industry in Alberta and the increasing export values for a number of meat products, tariff reduction for meat exports are a high priority.

The export value of organic chemicals (HS 29) shipped from Alberta to non-FTA countries declined from \$502 million in 1997 to \$328 million in 2001. The main product in this category was ethylene glycol (HS 290531), which was mainly exported to China, South Korea and Taiwan. Tariffs in these countries range between 1% in Taiwan and 5.5% in South Korea and China. Indonesia, which was among the major export destinations in previous years, has a 40% bound tariff. The decline in sales for this market might be related to the high tariff.

The export value of plastics (HS 39) to non-FTA countries was \$202 million in 1997 and \$163 million in 2001. The major products in this category are different forms of polyethylene (HS 390110, HS 390120, HS 390190), which were primarily exported to China. China has a 6.5% bound tariff, which is considerably lower than the tariff rates in other export markets, such as 30% in Malaysia, 40% in Indonesia and 50% in

Trinidad & Tobago. Tariff reduction in the latter export destinations might allow the market for polyethylene in these countries to expand.

Export values for electrical equipment (HS 85) and machinery and mechanical appliances (HS 84) to non-FTA countries increased from \$122 million (HS 85) and \$239 million (HS 84) in 1997 to \$306 million (HS 85) and \$609 million (HS 84) in 2001. Both categories include a variety of products and are exported generally in smaller amounts to a large number of non-FTA countries. Bound tariffs vary widely between products and export destinations. It is therefore difficult to point out specific tariff reduction priorities.

Although the main commodities in the energy sector (HS 27), natural gas and crude oil, were almost entirely exported to FTA-countries, the exports of HS 27 products to non-FTA countries reached a value of \$536 million in 1997 and \$312 million in 2001. Bituminous coal (HS 270112), by far most important export commodity, was shipped mainly to Japan, South Korea, the EU, Brazil and Egypt. While Japan, South Korea and the EU have bound tariffs between 0-1%, Brazil and Egypt may impose tariffs of 15% and 5%, respectively. Considering the importance of the energy sector for Alberta, and the high dependence on the US as the major market for energy products, a reduction of these tariffs would be beneficial.

Exports of nickel and nickel products (HS 75), with a total export value of \$255 million in 2001, ranked only 19th among Alberta's total exports in 2001. For the trade with non-FTA countries, on the other hand, nickel is of major importance, and showed export values of \$252 million in 1997 and of \$237 million in 2001. The predominant export destination was Europe, followed by Singapore, China, South Korea and Taiwan. While the EU and Taiwan have 0% bound tariffs, exports to Singapore, China and South Korea impose tariffs of 10%, 3%, and 5%, respectively. These tariffs could be included in future negotiations for tariff reduction.