



# Towards a Peaceful Resolution with North Korea: Crafting a New International Engagement Framework

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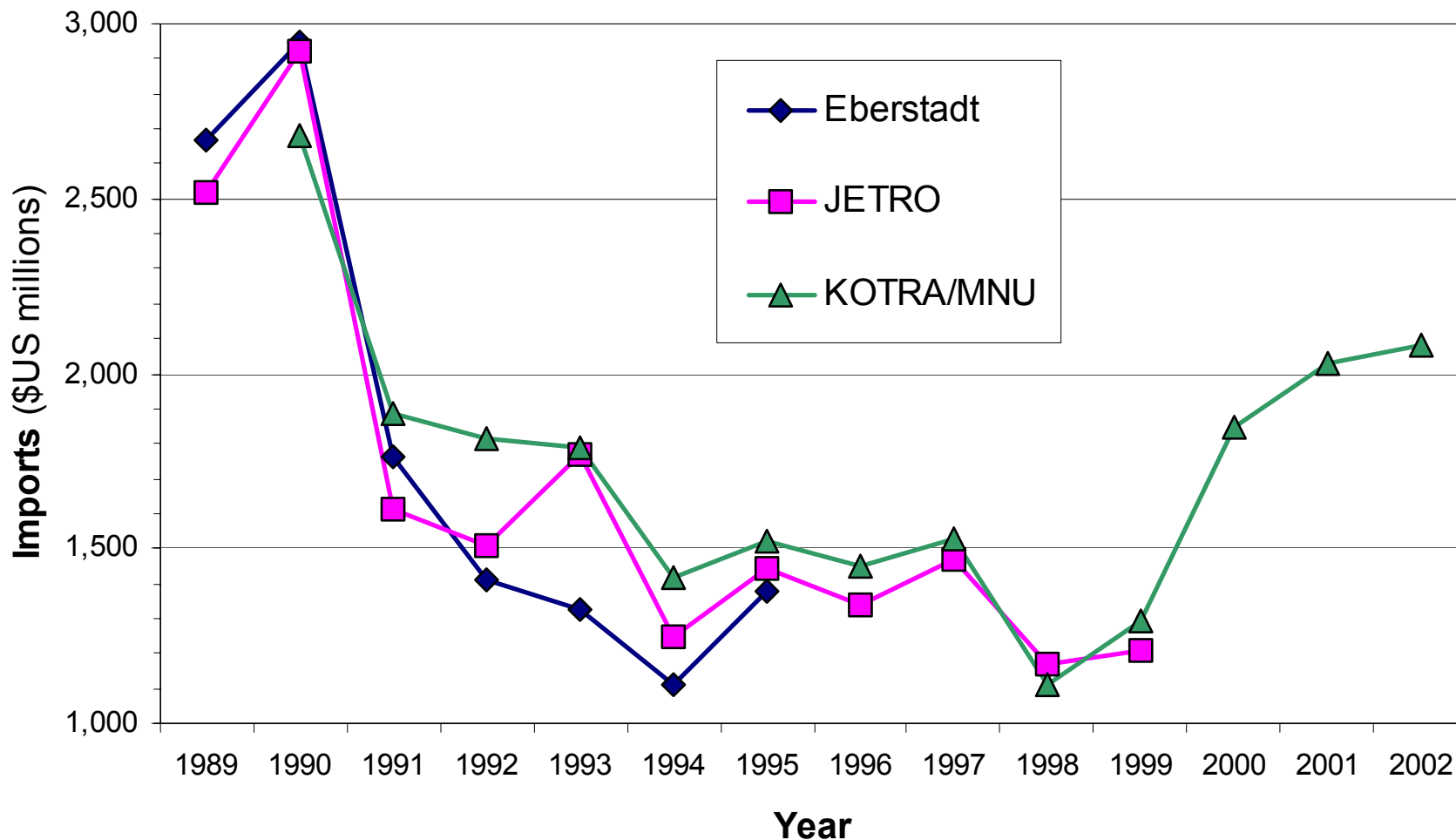
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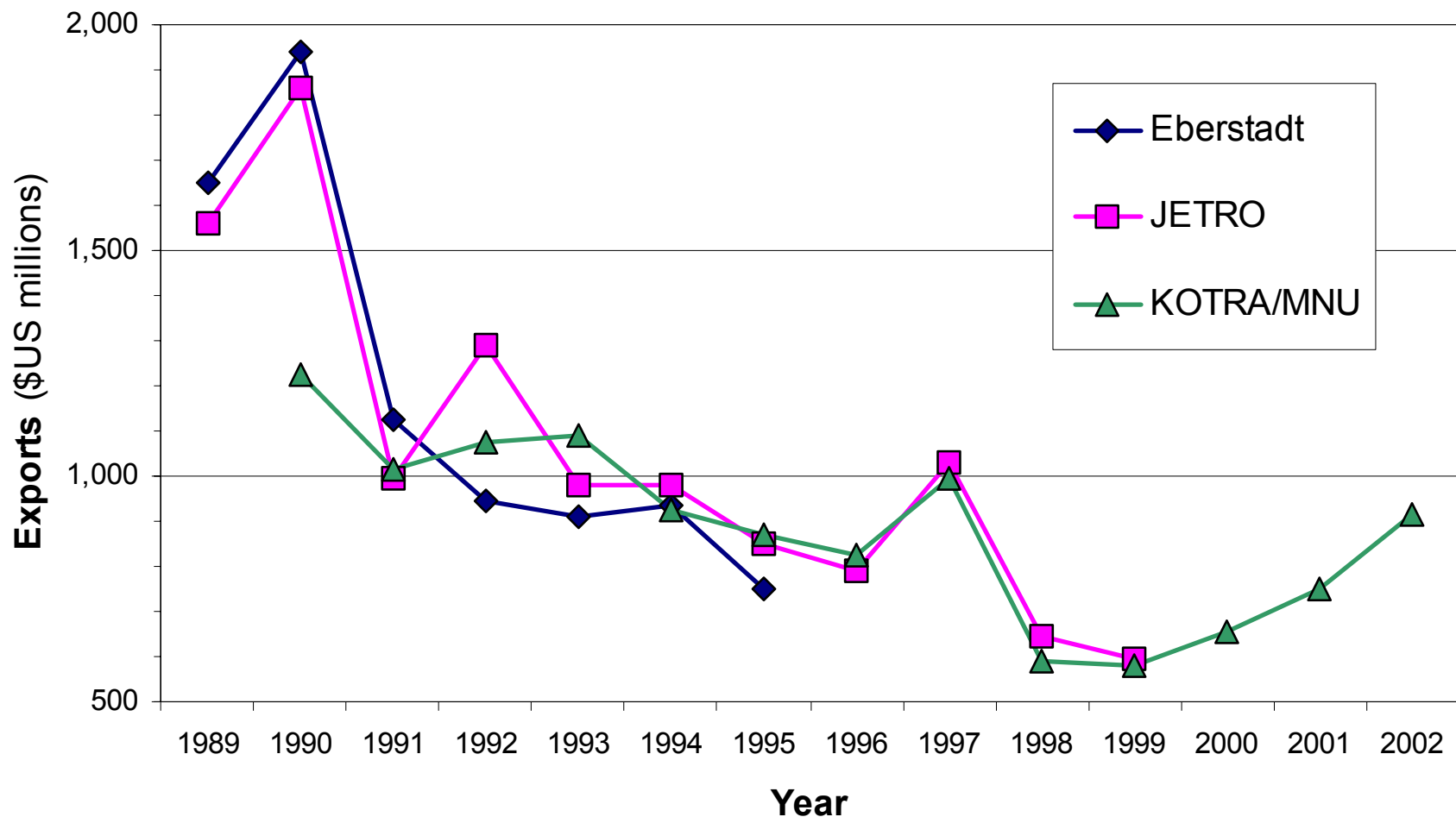
**FIGURE 1. North Korean Merchandise Imports, 1989-2002**



Sources: Eberstadt, Nicholas, "Economic Recovery in the DPRK: Status and Prospect," *International Journal of Korean Studies*, IV:1 (Fall/Winter 2000); JETRO; KOTRA; ROK Ministry of Unification (MNU).



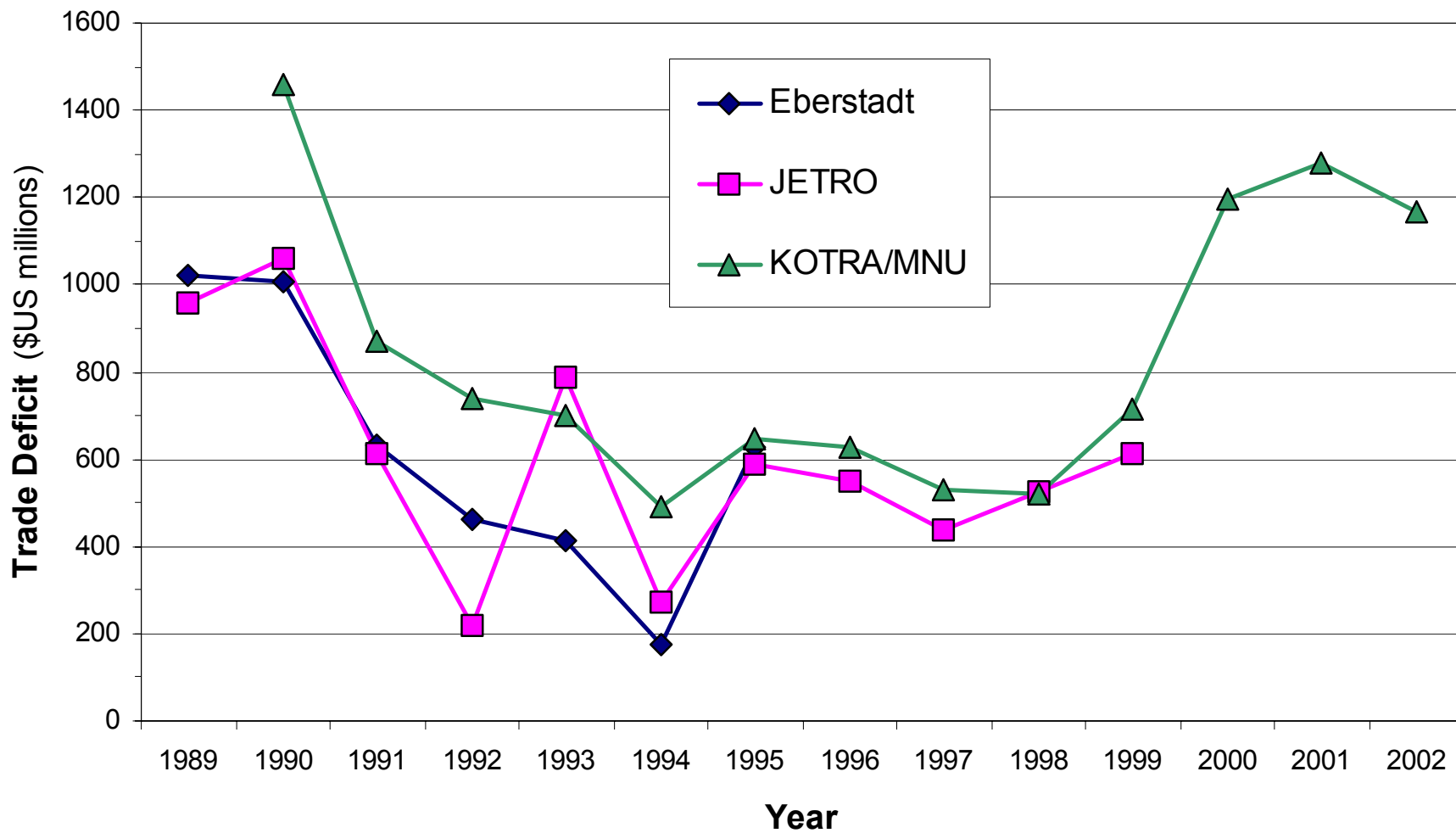
**FIGURE 2. North Korean Merchandise Exports, 1989-2002**



Sources: Eberstadt, Nicholas, "Economic Recovery in the DPRK: Status and Prospect," *International Journal of Korean Studies*, IV:1 (Fall/Winter 2000); JETRO; KOTRA; ROK Ministry of Unification (MNU).



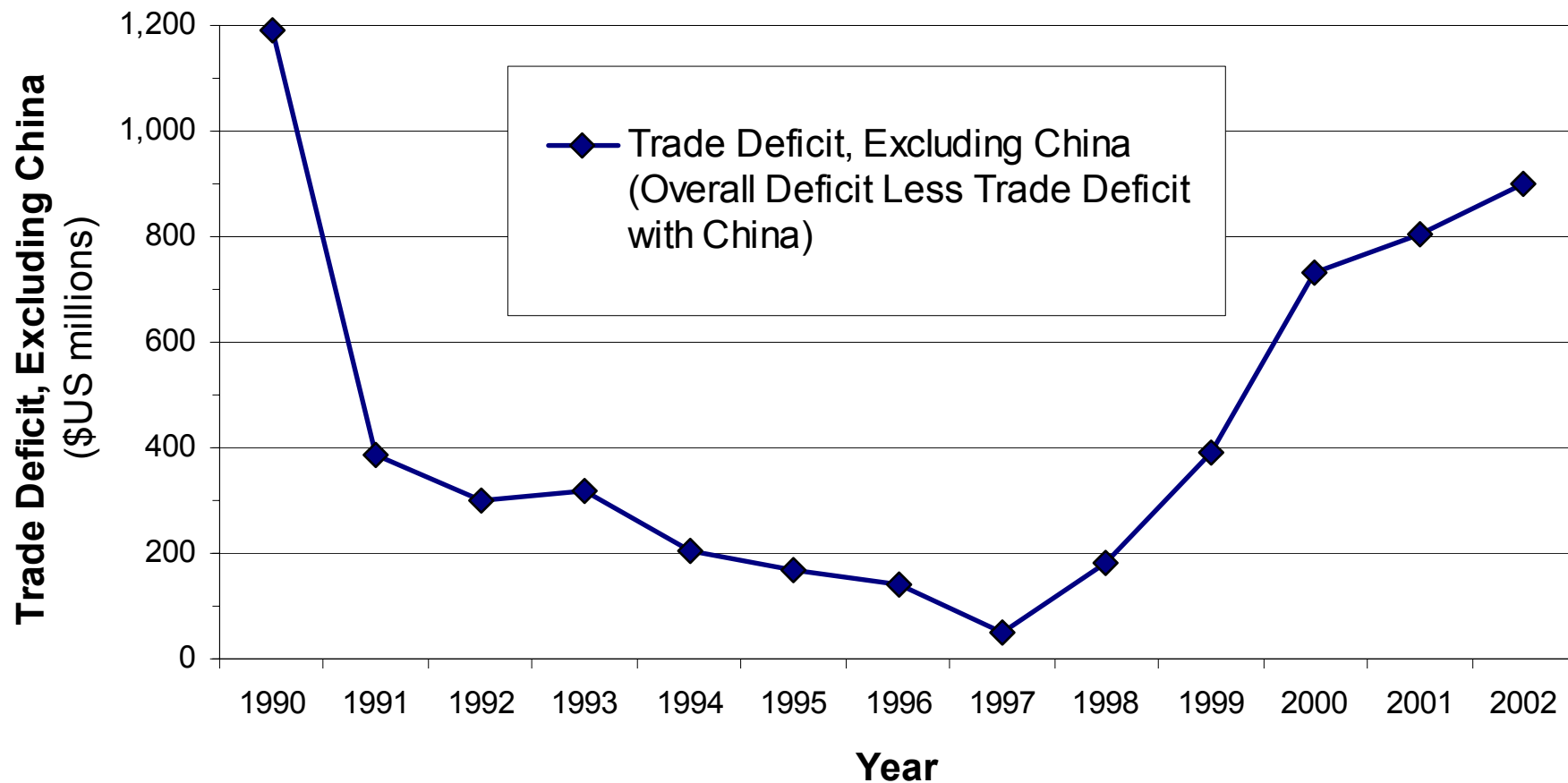
**FIGURE 3. North Korean Merchandise Trade Deficit, 1989-2002**



Sources: Figures 1 and 2



**FIGURE 4. North Korea's Merchandise Trade Deficit, 1990-2002, Excluding Trade with China**



Sources: Figures 1 and 2; PRC General Administration of Customs, *China's Customs Statistics*, various volumes.



**Table 1. U.S. Assistance to North Korea, 1995-2004**

Calendar or Fiscal Year	Food Aid (per FY)		KEDO Assistance (per calendar yr; \$ million)	Medical Supplies (per FY; \$ million)	Total (\$ million)
	Metric Tons	Commodity Value			
		(\$ million)			
1995	0	\$0.00	\$9.50	\$0.20	<b>\$9.70</b>
1996	19,500	\$8.30	\$22.00	\$0.00	<b>\$30.30</b>
1997	177,000	\$52.40	\$25.00	\$5.00	<b>\$82.40</b>
1998	200,000	\$72.90	\$50.00	\$0.00	<b>\$122.90</b>
1999	695,194	\$222.10	\$65.10	\$0.00	<b>\$287.20</b>
2000	265,000	\$74.30	\$64.40	\$0.00	<b>\$138.70</b>
2001	350,000	\$102.80	\$74.90	\$0.00	<b>\$177.60</b>
2002	207,000	\$82.40	\$90.50	\$0.00	<b>\$172.90</b>
2003	40,170	\$33.60	\$2.30	\$0.00	<b>\$35.90</b>
2004	60,000	n.a.	\$0.00	\$0.00	<b>n.a.</b>
<b>Total</b>	<b>1,953,864</b>	<b>\$648.80</b>	<b>\$403.70</b>	<b>\$5.20</b>	<b>\$1,057.60</b>

Sources: Figures for food aid and medical supplies from USAID and US Department of Agriculture; KEDO (Korean Peninsula Energy Development Organization) figures from KEDO.

Courtesy of Mark Manyin, Congressional Research Service.



Table 2a. U.S. Aid and National Exports, Selected Comparisons

**CURRENT COMPARISON TO SELECTED COUNTRIES**

	<b>Total Military and Economic Aid, 1996 - 2000</b>	<b>Exports of Goods and Services, 2000</b>	<b>Total Aid as Percentage of Exports</b>
Pakistan	\$ 253,300,000	\$ 9,575,000,064	2.65%
Ukraine	\$ 743,400,000	\$ 19,522,000,896	3.81%
El Salvador	\$ 234,700,000	\$ 3,645,691,392	6.44%
Nicaragua	\$ 206,600,000	\$ 962,200,000	21.47%
Jordan	\$ 1,221,000,000	\$ 3,534,132,736	34.55%
Israel	\$ 14,880,000,000	\$ 44,146,860,032	33.71%
Egypt	\$ 10,595,200,000	\$ 15,931,033,600	66.51%
Haiti	\$ 485,000,000	\$ 506,236,864	95.80%
DPRK	\$ 661,500,000	\$ 653,100,000	101.29%

Sources: Manyin (DPRK Total Aid, 1995-2002); KOTRA/Korean Ministry of Unification (DPRK Exports, 2002); USAID (Total Military and Economic Aid); International Bank for Reconstruction and Development, *World Development Indicators 2002* (Washington, D.C.: World Bank, 2002), CD-ROM (Export Revenues).



Table 2b. U.S. Aid and National Exports, Selected Comparisons  
**HISTORICAL COMPARISON TO TAIWAN AND THE ROK**

	<b>Total Military and Economic Aid <sup>1</sup></b>	<b>Total Exports <sup>2</sup></b>	<b>Total Aid as Percentage of Exports</b>
DPRK	\$ 1,021,800,000	\$ 751,100,000	136.04%
Taiwan	\$ 2,512,100,000	\$ 220,750,000	1137.98%
ROK	\$ 4,346,200,000	\$ 56,000,000	7761.07%

<sup>1</sup> For DPRK, figures represent Total Aid for 1995-2002; for Taiwan and ROK, Total Aid for 1955-1962

<sup>2</sup> For DPRK, Total Exports for 2002; for Taiwan and ROK, Total Exports for 1962

Sources: Manyin (DPRK Total Aid, 1995-2002); KOTRA/Korean Ministry of Unification (DPRK Exports, 2002); USAID (Total Military and Economic Aid); and IMF International Financial Statistics (ROK and Taiwan Exports, 1962)



Table 3. Per Capita Exports: DPRK Rank in World, 1980

Rank	Country	Exports	Population	Per Capita Exports
97	Philippines	\$ 7,661,066,650	48,035,000	\$ 159.49
98	Senegal	\$ 803,194,592	5,538,000	\$ 145.03
99	Argentina	\$ 3,895,791,461	28,094,000	\$ 138.67
100	Bolivia	\$ 682,225,017	5,355,000	\$ 127.40
101	Kenya	\$ 2,030,403,493	16,632,000	\$ 122.08
102	Sao Tome and Principe	\$ 10,472,768	89,000	\$ 117.67
103	Kiribati	\$ 6,551,960	58,100	\$ 112.77
104	Niger	\$ 616,720,072	5,617,000	\$ 109.80
105	Sri Lanka	\$ 1,296,327,544	14,603,000	\$ 88.77
106	Congo, Dem. Rep.	\$ 2,371,496,686	26,908,000	\$ 88.13
107	Central African Republic	\$ 201,028,393	2,313,000	\$ 86.91
<b>108</b>	<b>DPRK</b>	<b>\$ 1,414,100,000</b>	<b>17,113,626</b>	<b>\$ 82.63</b>
109	Turkey	\$ 3,660,084,493	44,484,000	\$ 82.28
110	Sierra Leone	\$ 251,666,984	3,236,000	\$ 77.77
111	Lesotho	\$ 90,648,365	1,362,000	\$ 66.56
112	Benin	\$ 222,240,333	3,459,000	\$ 64.25
113	Madagascar	\$ 539,320,046	8,873,000	\$ 60.78
114	Haiti	\$ 316,099,994	5,353,000	\$ 59.05
115	Malawi	\$ 307,474,449	6,183,000	\$ 49.73
116	Maldives	\$ 7,748,344	158,000	\$ 49.04
117	Sudan	\$ 805,990,470	19,316,000	\$ 41.73
118	Mali	\$ 262,685,839	6,590,000	\$ 39.86

Sources: International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM; U.S. Bureau of the Census; KOTRA; ROK Ministry of Unification (MNU).



Table 4. Imports as a Percent of Exports: DPRK Rank in World, 1980

Rank	Country	Imports	Exports	Imports as a Percent of Exports
57	Zimbabwe	\$ 1,771,437,620	\$ 1,560,677,337	113.50%
58	Italy	\$ 110,003,154,342	\$ 96,902,633,790	113.52%
59	Guyana	\$ 564,839,987	\$ 490,319,974	115.20%
60	Spain	\$ 37,942,881,948	\$ 32,740,267,959	115.89%
61	Seychelles	\$ 116,615,430	\$ 100,141,584	116.45%
62	Greece	\$ 13,560,731,209	\$ 11,526,621,528	117.65%
63	Cote d'Ivoire	\$ 4,189,777,567	\$ 3,561,287,269	117.65%
64	Chile	\$ 7,438,435,984	\$ 6,291,974,407	118.22%
65	Philippines	\$ 9,253,067,162	\$ 7,661,066,650	120.78%
66	Mexico	\$ 25,215,695,652	\$ 20,806,478,261	121.19%
<b>67</b>	<b>DPRK</b>	<b>\$ 1,714,400,000</b>	<b>\$ 1,414,100,000</b>	<b>121.24%</b>
68	Honduras	\$ 1,130,499,968	\$ 930,000,000	121.56%
69	Mauritius	\$ 664,753,314	\$ 539,499,795	123.22%
70	Iran, Islamic Rep.	\$ 15,214,810,024	\$ 12,338,107,754	123.32%
71	Papua New Guinea	\$ 1,358,592,035	\$ 1,100,238,663	123.48%
72	Belize	\$ 133,550,000	\$ 107,850,000	123.83%
73	Korea, Rep.	\$ 25,245,953,457	\$ 20,369,193,589	123.94%
74	Brazil	\$ 26,571,483,281	\$ 21,276,141,968	124.89%
75	Botswana	\$ 704,709,213	\$ 562,918,168	125.19%
76	Thailand	\$ 9,825,161,457	\$ 7,801,035,704	125.95%
77	Vanuatu	\$ 47,384,760	\$ 37,603,233	126.01%

Sources: International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM; KOTRA; ROK Ministry of Unification (MNU).



Table 5. Per Capita Exports: DPRK Rank in World, 1990

Rank	Country	Exports	Population	Per Capita Exports
115	Togo	\$ 545,099,635	3,453,000	\$ 157.86
116	Kyrgyz Republic	\$ 697,564,375	4,423,000	\$ 157.71
117	Zambia	\$ 1,179,864,265	7,784,000	\$ 151.58
118	Guinea	\$ 869,736,444	5,755,000	\$ 151.13
119	Sri Lanka	\$ 2,345,830,231	16,267,000	\$ 144.21
120	Lebanon	\$ 511,008,107	3,635,000	\$ 140.58
121	Bhutan	\$ 80,434,166	600,110	\$ 134.03
122	Nigeria	\$ 12,365,872,842	96,203,000	\$ 128.54
123	Cape Verde	\$ 43,051,774	341,400	\$ 126.10
124	Equatorial Guinea	\$ 42,485,125	352,000	\$ 120.70
<b>125</b>	<b>DPRK</b>	<b>\$ 1,939,000,000</b>	<b>20,018,546</b>	<b>\$ 96.86</b>
126	Albania	\$ 312,500,000	3,277,000	\$ 95.36
127	Kenya	\$ 2,205,890,747	23,354,000	\$ 94.45
128	Comoros	\$ 35,635,055	432,000	\$ 82.49
129	Haiti	\$ 502,200,000	6,473,000	\$ 77.58
130	Central African Republic	\$ 219,621,201	2,945,000	\$ 74.57
131	Congo, Dem. Rep.	\$ 2,757,935,431	36,999,000	\$ 74.54
132	Sao Tome and Principe	\$ 8,336,908	115,000	\$ 72.49
133	Nicaragua	\$ 251,842,527	3,824,000	\$ 65.86
134	Ghana	\$ 993,434,057	15,138,000	\$ 65.63
135	Lesotho	\$ 103,431,308	1,682,000	\$ 61.49

Sources: International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM; U.S. Bureau of the Census; KOTRA; ROK Ministry of Unification (MNU).



Table 6. Imports as a Percent of Exports: DPRK Rank in World, 1990

Rank	Country	Imports	Exports	Imports as a Percent of Exports
105	Mauritania	\$ 619,220,700	\$ 465,365,250	133.06%
106	Slovak Republic	\$ 5,503,258,837	\$ 4,110,733,756	133.88%
107	Togo	\$ 738,254,023	\$ 545,099,635	135.43%
108	India	\$ 31,485,000,000	\$ 23,028,000,000	136.72%
109	Yemen, Rep.	\$ 969,083,969	\$ 689,312,977	140.59%
110	Niger	\$ 544,691,917	\$ 372,432,639	146.25%
111	Dominica	\$ 133,948,146	\$ 90,718,517	147.65%
112	Grenada	\$ 138,799,998	\$ 93,796,295	147.98%
113	Jordan	\$ 3,727,972,374	\$ 2,489,182,055	149.77%
114	Pakistan	\$ 9,350,911,782	\$ 6,216,942,715	150.41%
<b>115</b>	<b>DPRK</b>	<b>\$ 2,945,405,700</b>	<b>\$ 1,938,861,818</b>	<b>151.91%</b>
116	Ghana	\$ 1,521,547,091	\$ 993,434,057	153.16%
117	Greece	\$ 23,434,020,455	\$ 15,180,855,017	154.37%
118	Solomon Islands	\$ 153,748,814	\$ 98,821,575	155.58%
119	Albania	\$ 487,500,000	\$ 312,500,000	156.00%
120	Romania	\$ 10,026,785,816	\$ 6,406,250,166	156.52%
121	Ethiopia	\$ 850,961,538	\$ 534,884,615	159.09%
122	St. Kitts and Nevis	\$ 132,366,664	\$ 82,385,184	160.67%
123	Egypt, Arab Rep.	\$ 14,109,376,402	\$ 8,646,612,831	163.18%
124	Vanuatu	\$ 117,153,596	\$ 70,912,344	165.21%
125	El Salvador	\$ 1,501,185,724	\$ 892,094,818	168.28%

Sources: International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM; KOTRA; ROK Ministry of Unification (MNU).



Table 7. Per Capita Exports: DPRK Rank in World, 2000

Rank	Country	Exports	Population	Per Capita Exports
148	Guinea-Bissau	\$ 68,442,934	1,199,000	\$ 57.08
149	Nepal	\$ 1,275,956,679	23,043,000	\$ 55.37
150	Comoros	\$ 30,679,636	558,000	\$ 54.98
151	Benin	\$ 333,603,366	6,272,000	\$ 53.19
152	Bangladesh	\$ 6,611,000,000	131,050,000	\$ 50.45
153	Malawi	\$ 450,840,100	10,311,000	\$ 43.72
154	Tanzania	\$ 1,329,795,016	33,696,000	\$ 39.46
155	Timor-Leste	\$ 25,000,000	737,000	\$ 33.92
156	Central African Republic	\$ 125,250,709	3,717,000	\$ 33.70
157	Chad	\$ 233,152,617	7,694,000	\$ 30.30
<b>158</b>	<b>DPRK</b>	<b>\$ 653,100,000</b>	<b>21,647,682</b>	<b>\$ 30.17</b>
159	Niger	\$ 320,655,075	10,832,000	\$ 29.60
160	Uganda	\$ 656,000,000	22,210,000	\$ 29.54
161	Mozambique	\$ 469,194,516	17,691,000	\$ 26.52
162	Eritrea	\$ 97,489,583	4,097,000	\$ 23.80
163	Sierra Leone	\$ 110,005,233	5,031,000	\$ 21.87
164	Burkina Faso	\$ 236,804,405	11,274,000	\$ 21.00
165	Rwanda	\$ 149,602,258	7,709,000	\$ 19.41
166	Congo, Dem. Rep.	\$ 963,872,464	50,948,000	\$ 18.92
167	Ethiopia	\$ 984,250,978	64,298,000	\$ 15.31
168	Burundi	\$ 62,164,375	6,807,000	\$ 9.13

Sources: International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM; U.S. Bureau of the Census; KOTRA; ROK Ministry of Unification (MNU).



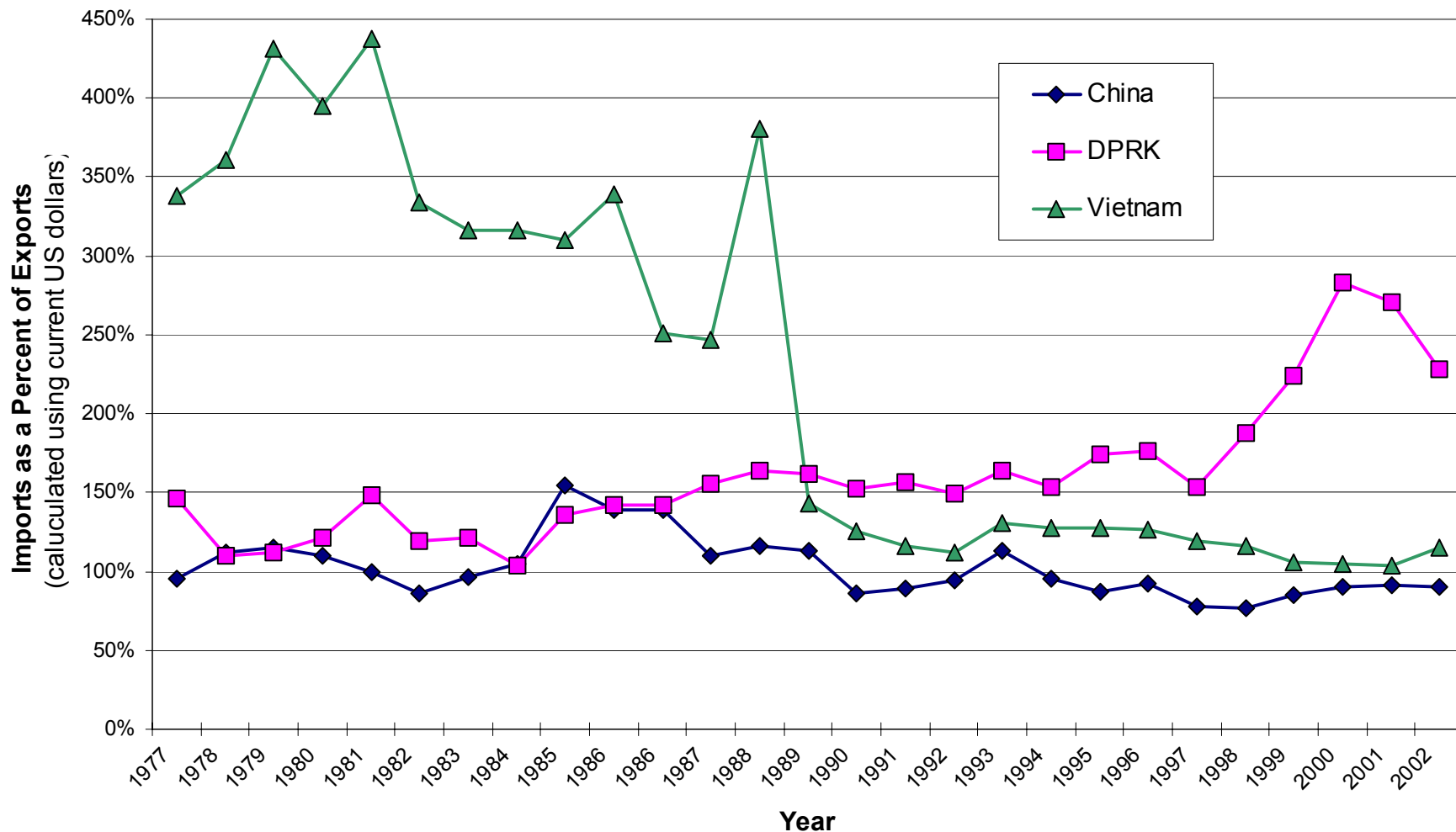
Table 8. Imports as a Percent of Exports: DPRK Rank in World, 2000

Rank	Country	Imports	Exports	Imports as a Percent of Exports
140	Bosnia and Herzegovina	\$ 2,542,999,912	\$ 1,192,000,036	213.34%
141	Albania	\$ 1,515,580,821	\$ 708,864,277	213.80%
142	Uganda	\$ 1,413,600,000	\$ 656,000,000	215.49%
143	Armenia	\$ 966,174,535	\$ 446,834,956	216.23%
144	Sao Tome and Principe	\$ 38,382,244	\$ 16,499,586	232.63%
145	Samoa	\$ 193,254,369	\$ 77,149,509	250.49%
146	Burundi	\$ 162,210,166	\$ 62,164,375	260.94%
147	Haiti	\$ 1,321,141,442	\$ 501,946,403	263.20%
148	Cape Verde	\$ 344,211,362	\$ 130,517,532	263.73%
149	Burkina Faso	\$ 657,602,742	\$ 236,804,405	277.70%
<b>150</b>	<b>DPRK</b>	<b>\$ 1,847,800,000</b>	<b>\$ 653,100,000</b>	<b>282.93%</b>
151	Rwanda	\$ 441,108,545	\$ 149,602,258	294.85%
152	Mozambique	\$ 1,526,308,504	\$ 469,194,516	325.30%
153	Lesotho	\$ 762,704,061	\$ 226,049,911	337.41%
154	French Polynesia	\$ 952,020,780	\$ 192,401,162	494.81%
155	West Bank and Gaza	\$ 3,085,316,244	\$ 603,791,679	510.99%
156	Eritrea	\$ 498,593,750	\$ 97,489,583	511.43%
157	Timor-Leste	\$ 160,000,000	\$ 25,000,000	640.00%
158	Palau	\$ 127,100,000	\$ 11,500,000	1105.22%

Sources: International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM; KOTRA; ROK Ministry of Unification (MNU).



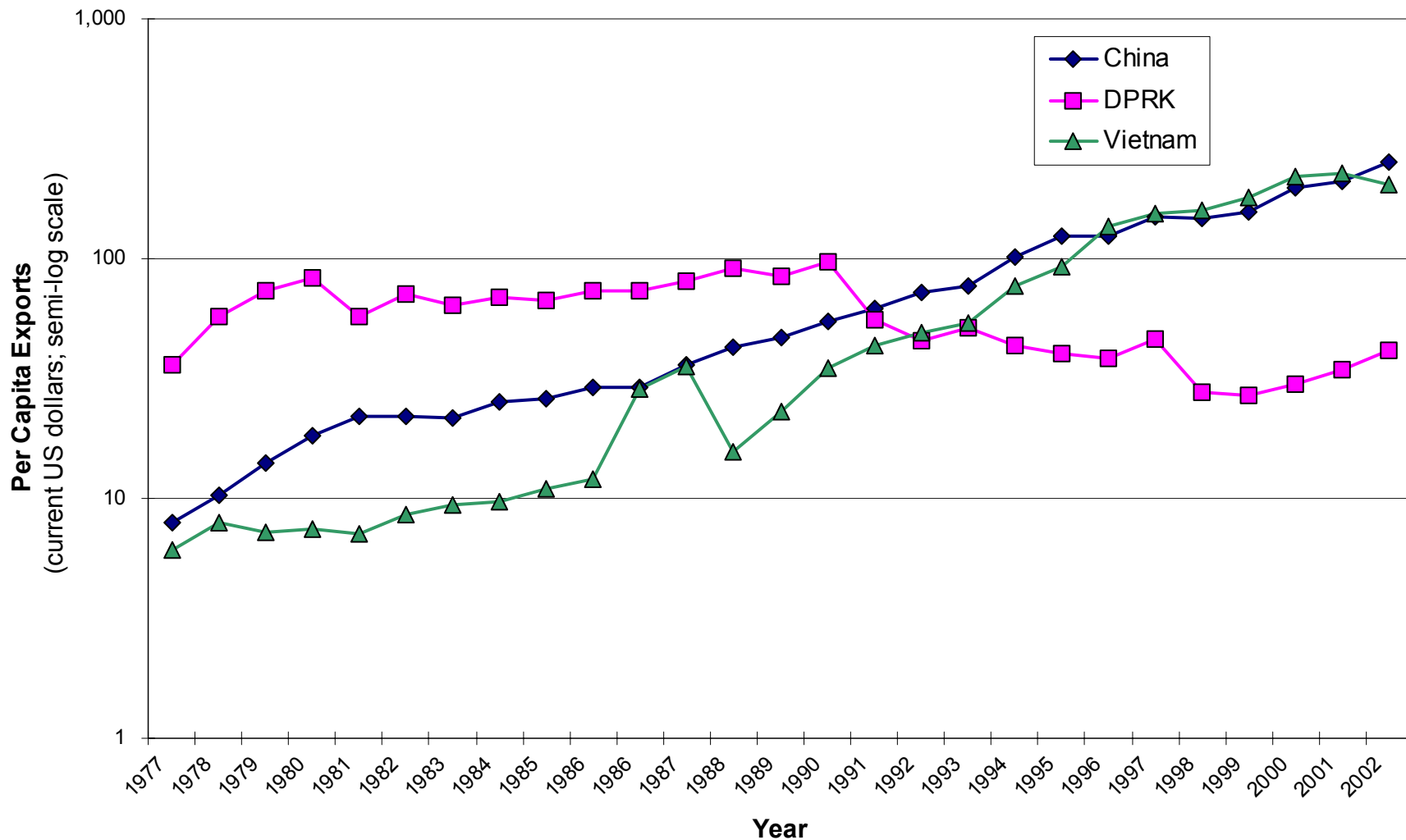
**FIGURE 5. Imports as a Percent of Exports, 1977-2002**



Sources: Eberstadt, Nicholas, "Economic Recovery in the DPRK: Status and Prospect," *International Journal of Korean Studies*, IV:1 (Fall/Winter 2000); KOTRA; ROK Ministry of Unification (MNU); U.S. Library of Congress; International Monetary Fund, *International Financial Statistics*; International Bank for Reconstruction and Development, *World Development Indicators 2003* (Washington, D.C.: World Bank, 2003), CD-ROM.



FIGURE 6. Per Capita Exports, 1977-2002



Sources: Eberstadt, Nicholas, "Economic Recovery in the DPRK: Status and Prospect," *International Journal of Korean Studies*, IV:1 (Fall/Winter 2000); KOTRA; ROK Ministry of Unification (MNU); U.S. Library of Congress; U.S. Bureau of the Census; International Monetary Fund; World Bank.