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0450

SM/95/314

CONTAINS CONFIDENTIAL
INFORMATION

December 19, 1995

To: Members of the Executive Board

From: The Secretary

Subject: Republic of Poland - Statistical Tables

The attached statistical tables provide background information to the staff report on the 1995 Article IV consultation discussions with the Republic of Poland, which was circulated as SM/95/310 on December 14, 1995.

Mr. Kähkönen (ext. 34546) or Mr. Griffiths (ext. 35354) is available to answer technical or factual questions relating to this paper prior to the Board discussion.

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REPUBLIC OF POLAND

Statistical Tables

Prepared by a staff mission consisting of
J. Kähkönen, M. Griffiths (both EUR I),
R. Krellove (FAD), and L. Everaert (PDR)

Approved by the European I Department

December 15, 1995

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Table 1. Poland: Development of Selected Indices, 1989-94

(Annual percent change in real terms, unless otherwise indicated)

	1989	1990	1991	1992	1993	1994 <u>1/</u>
Gross domestic product	0.2	-11.6	-7.0	2.6	3.8	5.2
Industrial production <u>2/</u>	...	...	-8.0	2.8	6.4	11.9
Production of construction enterprises <u>2/</u>	...	...	11.4	6.6	7.8	0.2
Agricultural production	...	...	-1.6	-12.7	6.8	-9.3 <u>3/</u>
Profitability (in percent) <u>4/</u>	...	...	...	2.1	2.8	4.1
Consumption	-1.3	-11.7	7.5	3.5	4.8	3.9
Gross capital formation	5.1	-24.8	-20.1	-13.0	12.8	9.0
Consumer price index (percent change, period average)	251.1	585.8	70.3	43.0	35.3	32.2
Net (after-tax) wages <u>5/</u>	9.0	-24.4	-0.3	-2.7	-2.9	1.8
Employment (economy-wide, end-of-period)	-1.8	-7.2	-4.3	-2.8	-1.7	1.1
Exports (customs basis) <u>6/</u>	0.2	13.7	-2.4	-2.6	-1.1	18.3
Imports (customs basis)	1.5	-17.9	37.8	13.8	-18.5	13.4
Share of private sector (in percent)						
Employment	...	48.9	54.3	56.0	58.9	61.0
GDP	28.4	31.4	45.3	47.0	52.1	...

Sources: Data provided by the Polish authorities; and staff estimates.

1/ Estimates.2/ According to the Polish version of the NACE-EKD classification system.3/ Provisional data.4/ Gross financial profits divided by revenue.5/ Includes profit premia; deflated by the CPI.6/ Up to 1990, based on invoices submitted by foreign trade organizations and custom declarations. Includes trade under all arrangements.

Table 2. Poland: Production and Yields of Selected Crops, 1989-94

	Share of Gross Output 1/ 1989	Annual Average 1986-1989	1990	1991	1992	1993	1994
(In thousands of tons)							
Plant production	57.4						
Cereals	15.3	25,640	28,014	27,811	19,962	23,417	21,763
Of which:							
Wheat	5.9	7,872	9,026	9,270	7,368	8,243	7,658
Rye	3.3	6,402	6,044	5,900	3,981	4,992	5,300
Barley	2.2	4,115	4,217	4,257	2,819	3,255	2,686
Oats	1.0	2,330	2,119	1,873	1,229	1,493	1,243
Potatoes	12.2	36,097	36,313	29,038	23,388	36,270	23,058
Sugar beets	7.0	14,162	16,721	11,412	11,052	15,621	11,676
Oil plants	1.3	1,325	1,233	1,057	769	606	777
Fodder-root crops	...	10,058	9,724	8,519	6,324	8,419	7,062
Meadow hay	1.2	14,828	14,384	12,861	8,803	10,995	11,015
Straw 2/	...	26,136	28,444	24,986	18,177	20,803	19,878
Vegetables	7.1	5,485	5,628	6,019	4,774	6,138	5,369
Tree fruits	4.2 3/	1,510	979	1,365	1,889	2,223	1,721
(Yield per hectare in quintals)							
Yields							
Cereals		30.7	32.8	31.9	24.0	27.5	25.7
Of which:							
Wheat		36.9	39.6	38.0	30.6	33.3	31.8
Rye		25.6	26.1	25.8	19.6	22.6	21.8
Barley		32.6	35.9	34.42	23.5	27.9	26.0
Oats		27.2	28.4	27.3	18.4	23.2	20.1
Potatoes		188.3	197.9	167.6	133.1	206.0	135.9
Sugar beets		337.3	379.8	315.8	294.1	391.6	291.6
Oil plants		25.4	23.5	21.9	17.6	16.7	19.5
Fodder-root crops		458.7	471.6	432.8	331.6	431.8	360.0
Meadow hay		60.3	59.6	54.1	37.7	47.5	42.5
Straw 2/		37.0	39.2	33.8	26.1	29.1	28.1

Source: Data provided by the Central Statistical Office.

1/ At current prices; in percent of total.

2/ From four cereals plus wheat and rye hybrids.

3/ Total fruit production.

Table 3. Poland: The Growth and Structure
of Agricultural Production, 1989-94 1/

	<u>(1970 = 100) 2/</u>		<u>(1990 = 100) 3/</u>			
	1989	1990	1991	1992	1993	1994 <u>4/</u>
Gross agricultural production	128.6	125.8	98.4	85.9	91.7	83.2
Final production <u>5/</u>	137.1	129.6	98.4	87.9	94.9	84.6
Of which:						
Marketed output	153.6	150.3	96.2	89.6	89.4	80.6
Net final production <u>6/</u>	131.1	124.1	104.2	91.9	101.1	...
Value added <u>7/</u>	99.2	104.8	...	...	...	...
<u>(In percent of total at current prices)</u>						
Share of nonsocialized agriculture in: <u>8/</u>						
Gross agricultural production	79.6	77.2	80.0	84.6	86.5	88.1
Final production	78.3	76.2	79.3	83.9	86.2	87.5
Of which:						
Marketed output	76.2	73.2	75.6	79.7	81.8	85.1
Net final production	82.3	81.7	83.5	86.9	88.9	...
Value added	84.9	85.4	...	...	...	...
Share of state procurement in:						
Gross agricultural production	47.4	42.4	35.9	32.0	28.6	29.3
Final production	66.5	58.8	49.8	48.6	43.9	43.3
Marketed output	78.3	67.8	58.4	54.7	52.9	52.5

Sources: Central Statistical Office, Rocznik statystyczny (various issues); and data provided by the Polish authorities.

1/ Excludes agricultural services.

2/ According to international classification - KGN.

3/ According to the Polish version of NACE-EKD.

4/ Provisional data.

5/ Gross agricultural production minus intermediate consumption.

6/ Final agricultural production minus purchases of inputs from the socialized sector.

7/ Gross agricultural production minus material costs.

8/ Data for individual farms.

Table 4. Poland: Energy Prices, 1988-95

	1988	1989	1990	1991	1992	1993	1994	<u>Q1</u> 1995
	(In new zlotys)							
Coal and electricity								
Average transaction price for hard coal exports (zlotys per ton)	1.5	4.5	32.8	50.8	63.9	77.0	84.8	90.3
Average price received by coal producers for hard coal exports (zlotys per ton)	1.3	...	...	39.4	48.9	54.8	64.2	67.6
(As a percent of export prices)	84.9	...	...	77.5	76.5	71.2	75.7	74.9
Average domestic price of hard coal to final users (zlotys per ton)								
Large industrial users <u>1/2/</u>	0.9	...	...	24.1	32.1	49.2	81.9	93.3
Small industrial users <u>3/</u>	1.5	...	...	28.9	39.4	57.7	82.2	93.5
Household users <u>4/</u>	...	...	26.5	61.5	88.3	134.7	181.3	206.6
Average cost of production of hard coal (zlotys per ton)	1.0	3.4	18.5	31.4	44.4	56.7	76.5	86.2
Average domestic price of electricity to final users <u>5/</u> (zlotys per one thousand kilowatt hours)								
For industrial users	0.8	6.0	28.0	36.1	47.1	63.1	84.9	100.6
For household users	0.6	1.3	15.4	32.6	56.4	80.9	104.9	130.4
Petroleum products								
Average domestic price of refined oil products to final users								
Gasoline (94) (zlotys per liter) <u>6/</u>	0.012	0.120	0.293	0.460	0.680	0.913	1.088	1.180
Diesel fuel (zlotys per liter) <u>6/</u>	0.010	0.100	0.213	0.320	0.477	0.625	0.72	0.960

Source: Data provided by the Polish authorities.

1/ The average domestic price of hard coal to industrial users is markedly less than the average price received for hard coal exports partly on account of quality differentials.

2/ The prices of coal sold to power plants.

3/ The prices of coal sold to other users (small users, trade, other individual users including some households) by coal mines.

4/ Retail prices paid by households for top grade coal.

5/ Virtually all electricity is coal based.

6/ Retail prices.

Table 5. Poland: Privatization and Commercialization, 1990-95

(Number of firms)

	<u>Q3-Q4</u> 1990 <u>1/</u>	<u>Total</u> 1991	<u>Total</u> 1992	<u>Total</u> 1993	<u>Q1-Q2</u> 1994	<u>Q3-Q4</u> 1994	<u>Total</u> 1994	<u>Q1-Q2</u> 1995
<u>(State enterprises assigned to privatization path since the end of 1990)</u>								
Total stock	130	1,259	2,052	2,521	2,711	3,002	3,002	3,267
By liquidation	72	950	1,568	1,999	2,132	2,289	2,289	2,433
State Enterprise Act, Article 19	24	534	853	1,082	1,171	1,248	1,248	1,319
Privatization Act, Article 37	48	416	715	917	961	1,041	1,041	1,114
By capital route	58	309	484	522	579	713	713	834
Privatization Act, Article 5 (commercialization)	58	244	301	330	363	367	367	367
Privatization Act, Article 6 (equity sale)	--	65	183	186	180	180	188	186
The Law on NIFs and Their Privatization, Article 7	...	...	...	...	30	160	160	281
Total number of remaining state- owned enterprises	8,441	7,182	6,389	5,920	5,730	5,439	5,439	5,174
In percent of total <u>2/</u>	100.0	85.1	75.7	70.1	67.9	64.4	64.4	61.3
<u>(State enterprises assigned to privatization path per year)</u>								
Total flow	130	1,129	793	469	190	291	481	265
By liquidation	72	878	618	431	133	157	290	144
State Enterprise Act, Article 19	24	510	319	220	89	77	166	71
Privatization Act, Article 37	48	368	299	202	44	80	124	73
By capital route	58	251	175	38	57	134	191	121
<u>(State enterprises whose privatization was completed since the end of 1990)</u>								
Total stock	--	224	570	978	1,167	1,325	1,325	1,457
By liquidation	--	198	517	879	1,051	1,190	1,190	1,317
State Enterprise Act, Article 19	--	44	118	172	236	293	293	342
Privatization Act, Article 37	--	154	399	707	813	897	897	975
By sale of equity	--	26	53	99	116	135	135	140
Total number of remaining state- owned enterprises	8,441	8,217	7,871	7,463	7,274	7,116	7,116	6,984
In percent of total <u>2/</u>	100.0	97.4	93.3	88.4	86.2	84.3	84.3	82.7
<u>(State enterprises whose privatization was completed per year)</u>								
Total flow	--	224	346	408	189	158	347	132
By liquidation	--	198	319	362	172	139	311	127
State Enterprise Act, Article 19	--	44	74	54	66	55	121	49
Privatization Act, Article 37	--	154	245	308	106	84	190	78
By sale of equity	--	26	27	46	17	19	36	5

Sources: Polish Ministry of Privatization, Dynamika Prywatyzacji (various issues); and data provided by the Polish authorities.

Table 6. Poland: Basic Data by Ownership Sector, 1992-95

(Figures in parentheses indicate private sector as percent of total category)

	1992	1993	1994	Q1	
				1994	1995
Number of public sector businesses <u>1/</u> <u>2/</u>	53,554 (66)	51,768 (72)	49,554 (75)	50,856 (73)	49,571 (75)
Public sector employment (thousands) <u>1/</u> <u>3/</u>	6,606 (60)	6,060 (59)	5,822 (61)	...	...
Of which: Industry	2,321 (41)	2,065 (43)	2,004 (45)	...	...
Of which: Construction	303 (72)	215 (75)	173 (79)	...	...
Of which: Trade	151 (91)	133 (94)	119 (95)	...	...
Average monthly public sector gross wages (In zlotys)	298 (92)	414 (88)	...	527 (88)	701 (89)
Of which: Industry	317 (90)	454 (82)	...	577 (83)	782 (84)
Of which: Construction	291 (105)	370 (99)	...	427 (101)	574 (100)
Of which: Trade	329 (94)	449 (94)	...	532 (95)	715 (96)
Sold production of public sector industry (In millions of zlotys) <u>4/</u>	71,589 (28)	91,302 (35)	112,599 (38)	...	...
Sold production of construction <u>4/</u> (In millions of zlotys)	2,982 (77)	2,618 (84)	2,778 (86)	...	...
(In percent)					
Profit rates <u>5/</u>					
Public sector	2.9	3.7	5.2	6.5	7.4
Private sector	--	1.1	2.1	1.3	2.4

Source: Data provided by the Polish authorities.

1/ End of period.

2/ Legal entities according to the REGON register (which excludes natural persons carrying out economic activity and private civil companies).

3/ According to the Polish version of NACE-EKD for 1994.

4/ Data for 1992 and 1993 include turnover taxes and, since June 5, 1993, value added and excise taxed. Data for 1994 exclude value added tax.

5/ Gross financial result divided by income from the whole activity.

Table 7. Poland: Sectoral Breakdown of Investment, 1990-94

(In percent)

	Share of Total at Current Prices					Annual Growth Rate at Constant Prices				
	1990	1991	1992	1993	1994	1990	1991	1992	1993	1994
Industry	35.0	33.8	33.8	33.5	...	-7.3	-7.2	-4.8	2.3	...
Construction	1.5	1.9	3.2	2.2	...	-27.2	34.7	58.3	-29.8	...
Agriculture	11.4	6.3	5.9	6.8	...	-33.0	-43.0	-10.5	12.9	...
Forestry	0.4	0.3	0.2	0.3	...	-1.6	-7.3	-37.2	22.0	...
Transportation	5.5	5.1	4.4	4.0	...	0.5	-7.3	-15.8	-9.0	...
Communication	1.6	1.8	4.0	6.0	...	73.0	13.2	116.4	53.5	...
Trade	3.6	4.0	5.6	6.8	...	-2.3	14.1	35.9	22.7	...
Community services	5.6	7.4	7.8	8.0	...	-30.0	28.1	7.2	-1.2	...
Housing and nonmaterial services	25.5	28.1	22.6	17.0	...	-2.9	-2.0	-13.0	-21.5	...
Science and technology	0.3	0.4	0.4	0.6	...	-14.4	42.7	-19.7	52.5	...
Education	2.8	3.1	2.7	2.8	...	2.9	-3.7	-7.2	12.2	...
Culture	0.3	0.4	0.5	0.8	...	-39.3	57.0	39.5	62.7	...
Health and social welfare	2.3	2.0	1.9	2.7	...	-16.9	-9.6	-6.2	42.6	...
Tourism and recreation	0.9	1.2	0.8	1.0	...	-29.7	32.0	-38.2	23.1	...
Other	3.3	4.2	6.2	7.5	...	27.2	30.4	48.4	14.1	...
Total	100.0	100.0	100.0	100.0	...	...	-20.1	-13.0	12.8	9.0

Source: Data provided by the Polish authorities.

Table 8. Poland: Investment by Type and Decision-Making Entity, 1989-94

(In billions of zlotys at current prices)

	1989	1990	1991	1992	1993	1994
By type:						
Construction	1.11	6.77	9.73	10.81	12.54	...
Machinery and equipment	0.66	3.97	4.54	6.61	9.60	...
Of which:						
Domestic	0.42	2.36	2.50	3.57	5.22	...
Imported	0.25	1.60	2.05	3.04	4.38	...
Of which:						
Ruble area	0.05	0.18	...	...	...	...
Nonruble area	0.19	1.42	...	...	...	...
Other	0.12	0.85	2.62	2.74	2.58	...
Total	1.89	11.58	16.88	20.16	24.72	33.73
By decision-making entity:						
Public sector 1/	1.57	9.27	10.00	11.30	14.12	...
State entities 2/	0.14	0.74	...	...	...	...
Local authorities 3/	0.19	0.82	...	...	...	...
Cooperative residential construction	0.21	1.62	...	...	...	...
Enterprises	0.97	5.80	...	...	...	...
Other 4/	0.06	0.29	...	...	...	...
Private sector 5/	0.31	2.31	6.89	8.86	10.59	...
Total	1.89	11.58	16.88	20.16	24.72	33.73
Memorandum item:						
Share of construction in total investment (in percent)	(58.8)	(58.4)	(57.6)	(53.6)	(50.7)	...

Source: Data provided by the Polish authorities.

1/ Socialized sector in 1989-90.

2/ Centrally planned investment projects based on government decisions and those realized by budgetary entities subordinate to ministries.

3/ Investments by local authorities include investments by territorial organizations, budgetary entities subordinate to voivodships, and municipal residential construction.

4/ Investments realized by various institutions financed with target and social funds (e.g., investments of National Fund for Healthcare and Public Initiative Projects).

5/ Nonsocialized sector in 1989-90.

Table 9. Poland: Price Developments, 1989-95

(Percent change)

	1989	1990	1991	1992	1993	1994	Q1 1/ 1995	Q2	Q3
GDP deflator	298.5	480.1	55.3	38.5	30.5	30.0	...	...	...
Of which:									
Consumption 2/	257.6	517.4	63.8	39.4	29.6	29.5	...	...	...
Investment 3/	196.6	569.0	40.3	19.6	24.6	26.1	...	...	...
Consumer price index (annual average)	251.1	585.8	70.3	43.0	35.3	32.2	33.0	31.7	25.8
Commodities	264.3	559.8	60.0	36.7	34.2	32.1	31.8	31.5	24.9
Foodstuffs	320.1	574.7	46.1	36.9	33.6	33.0	34.0	33.8	22.6
Alcoholic beverages	247.9	388.7	87.6	36.5	23.6	29.2	30.1	30.9	28.3
Other	226.7	591.2	75.8	36.5	36.8	31.4	29.0	28.5	27.5
Services	170.9	780.7	131.5	67.6	38.1	32.5	36.6	32.2	28.3
Consumer price index (end period)	639.6	249.3	60.4	44.3	37.6	29.5	33.1	30.3	24.2
Producer prices 4/ 5/									
Industry	212.8	622.4	48.1	28.5	32.3	...	...	...	...
Fuel and power	138.3	933.0	87.0	39.9	42.3	...	...	...	...
Metallurgy	232.8	783.3	19.7	18.1	34.0	...	...	...	...
Electro-engineering	203.2	553.6	37.6	19.3	31.7	...	...	...	...
Chemicals	195.0	676.0	40.7	21.8	28.5	...	...	...	...
Minerals	201.3	626.4	44.9	24.6	27.4	...	...	...	...
Wood and paper	232.6	559.7	43.0	22.2	29.9	...	...	...	...
Textiles and leather products	224.0	408.3	37.1	20.4	28.6	...	...	...	...
Food processing	290.9	528.0	52.4	36.0	26.9	...	...	...	...
Construction	186.5	550.0	46.3	17.4	24.1	...	...	...	...
Agriculture	251.5	296.4	28.9	57.6	34.5	...	...	...	...
Producer prices 6/									
Industry	...	...	...	...	31.9	25.3	30.1	29.0	25.5
Mining and quarrying	...	...	...	...	48.0	40.5	22.3	24.1	22.8
Manufacturing	...	...	...	...	29.3	24.2	30.3	29.7	26.2
Electricity, gas and water supply	...	...	...	...	40.1	23.6	38.5	29.2	24.8
Construction and assembly production	...	...	...	...	24.6	19.7	21.7	21.8	21.8
Administered prices (annual average)									
Producer prices									
Electricity 7/	...	...	21.1	30.9	41.5	60.2	69.1	...	...
Gas									
Retail prices									
Alcoholic beverages	222.7	346.9	87.5	33.0	19.1	35.7	37.2	...	...
Fuel	91.9	1,044.5	132.3	37.6	46.8	37.4	19.9	...	...
Medicines	646.4	885.2	31.6	38.8	34.9	38.2	42.5	...	...
Electricity	80.5	1,383.7	151.7	70.6	37.3	37.4	40.6	...	...
Gas	95.7	1,176.9	369.5	145.8	29.2	30.3	33.0	...	...
Central heating and hot water	54.4	1,203.5	222.8	222.5	68.4	65.9	64.7	...	...

Source: Data provided by the Polish authorities.

1/ Change over the corresponding period in the previous year.

2/ Final consumption expenditure.

3/ Gross fixed capital formation.

4/ For industry, producer prices are defined by the index of sales prices for sold output; for agriculture and construction, by the price index of gross output produced.

5/ According to the national classification (KGN).

6/ According to the Polish version of the NACE-EKD classification system. 1993 indices include VAT; from 1994 onwards excluding VAT.

7/ Producer prices in commercial heating plants.

Table 10. Poland: Population, Labor Force, Employment and Unemployment, 1989-94

(In thousands of persons; end of year)

	1989	1990	1991	1992	1993	1994
Population	38,038	38,183	38,309	38,418	38,505	38,581
Of which:						
Working age ^{1/}	21,889	21,962	22,055	22,181	22,333	22,502
Nonworking age	16,149	16,221	16,254	16,237	16,172	16,079
Total employment ^{2/}	17,389	16,145	15,443	15,011	14,761	14,923 ^{3/}
Of which:						
In the public sector	9,278	8,243	7,052	6,606	6,060	5,822
Registered unemployment	...	1,126	2,156	2,509	2,889	2,838
(In percent of civilian labor force)	...	6.3	11.8	13.6	16.4	16.0
Reported vacancies	...	54	29	23	22	25

Source: Polish authorities.

^{1/} The working age for men/women is defined to be between the ages of 18 and 64/59.

^{2/} Employment statistics exclude workers doing military service, working in defense and public-safety-related institutions, living abroad, or serving a jail sentence. These workers, however, are classified as part of the active labor force. Taking into account the different statistical treatment accorded to these workers, the calculated unemployment rate was close to zero through 1989.

^{3/} Estimate.

Table 11. Poland: Employment by Sectors, 1989-94

(Annual averages)

	1989	1990	1991	1992	1993	1994 ^{4/}
(In thousands of persons)						
Total employment ^{1/}	17,002	16,280	15,326	14,677	14,330	...
Public sector	9,546	8,942	7,633	6,800	6,184	...
Industry	3,560	3,250	2,745	2,413	2,152	...
Construction	914	792	546	357	231	...
Agriculture	653	594	458	329	225	...
Forestry	140	125	107	91	84	...
Transport and communications	868	820	715	629	595	...
Trade	516	322	212	172	133	...
Services	2,895	3,039	2,850	2,809	2,764	...
Private agriculture	3,742	3,600	3,532	3,410	3,436	...
Other private sector	3,714	3,738	4,162	4,466	4,711	...
Total employment ^{2/}	...	...	...	...	14,330	14,590
Public sector	...	...	...	...	6,184	5,875
Agriculture, hunting and forestry	...	...	...	...	262	194
Fishing	...	...	...	...	12	11
Mining and quarrying	...	...	...	...	414	383
Manufacturing	...	...	...	...	1,567	1,402
Electricity, gas and water supply	...	...	...	...	266	269
Construction	...	...	...	...	246	184
Wholesale and retail trade	...	...	...	...	144	127
Transport, storage, and communication	...	...	...	...	666	643
Services	...	...	...	...	2,607	2,662
Private agriculture	...	...	...	...	3,427	3,710
Other private sector	...	...	...	...	4,719	5,006
(Percentage change)						
Total employment	-0.2	-4.2	-5.9	-4.2	-2.4	1.8
Public sector	...	-6.3	-14.6	-10.9	-9.1	-5.0
Of which:						
Industry	...	-8.7	-15.5	-12.1	-10.8	...
Construction	...	-13.3	-31.1	-34.6	-35.3	...
Agriculture	...	-9.0	-22.9	-28.2	-31.6	...
Services	...	5.0	-6.2	-1.4	-1.6	...
Private agriculture	...	-3.8	-1.9	-3.4	0.8	8.3
Other private sector	...	0.6	11.3	7.3	5.5	6.1
Memorandum item:						
Total manhours worked in the socialized sector (excluding agriculture) ^{3/}	-9.0	-7.4	-4.5	2.2	1.7	...

Source: Data provided by the Polish authorities.

^{1/} According to the national classification - (KGN).

^{2/} According to the Polish version of the NACE-EKD classification system.

^{3/} Since 1993 in the public sector.

^{4/} Preliminary data.

Table 12. Poland: Unemployment Growth in
Poland by Main Factors, 1990-94

(In thousands of persons)

	Total	Unemployment Increase Caused by	
		Labor Supply Increase	Labor Demand Decrease
1990	1,126	455	671
1991	1,030	443	587
1992	354	323	31
1993	380	449	-69
1994	-52	528	-580

Source: Data provided by the Central Statistical Office.

Table 13. Poland: Consolidated Revenue and Expenditure of the General Government, 1990-94

	1990	1991	1992	1993	1994
(In billions of zlotys)					
Revenue	25.4	34.2	50.3	74.2	97.8
Tax revenue	...	28.6	41.9	60.9	83.1
Of which:					
Personal income tax	...	2.3	8.1	14.0	20.5
Social security contributions	...	7.9	11.1	14.6	19.2
Profit tax	...	5.9	5.1	6.6	7.2
Popiwek	...	2.7	1.7	1.0	0.3
Turnover, VAT, excises	...	6.1	10.3	17.8	24.3
Import duties	...	1.7	2.7	4.4	7.5
Nontax revenue	...	5.5	8.0	12.1	14.0
Of which:					
Dividend	...	1.3	0.8	0.7	0.6
Central bank transfer	...	0.7	1.1	1.4	2.4
Capital revenue	...	0.2	0.5	1.2	0.6
General government total expenditure	23.6	39.6	57.9	78.7	102.0
General government current expenditure	...	36.6	53.5	72.9	96.1
Subsidies	...	4.1	3.7	3.5	6.8
Transfers to households	...	14.0	22.9	32.1	46.6
Interest payments	...	1.3	3.7	5.3	8.7
Wages and salaries	...	...	...	...	17.2
Other current expenditure	...	17.2	23.2	32.0	16.7
General government investment expenditure	...	3.0	3.9	5.1	6.1
Net lending (including called guarantees)	...	...	0.5	0.7	-0.3
Overall balance	1.9	-5.4	-7.6	-4.5	-4.2
Of which:					
State budget	...	...	-7.9	-5.3	-5.3
The rest of the general government	...	...	0.3	0.8	1.1
Financing	-1.9	5.4	7.6	4.5	4.2
Domestic	-1.6	4.2	8.1	4.7	8.3
Bank	...	4.1	7.6	3.5	6.7
Nonbank	...	0.0	0.6	1.1	1.6
Foreign (net)	-0.4	0.0	-0.3	-0.6	-4.3
Change in arrears	-0.3	1.2	-0.6	0.4	0.2
Other	0.4	--	0.4	--	--
GDP	56.0	80.9	114.9	155.8	214.7

Sources: Data provided by the authorities; and staff calculations and estimates.

Table 14. Poland: Summary of the Government's Financial Operations, 1990-94

	1990	1991	1992	1993	1994
(In billions of zlotys)					
A. State budget <u>1/</u>					
Revenue	19.71	21.21	30.85	45.90	63.13
Expenditures <u>2/</u> , <u>3/</u>	<u>19.32</u>	<u>26.94</u>	<u>38.63</u>	<u>50.30</u>	<u>69.07</u>
Balance <u>2/</u>	0.39	-5.73	-7.77	-4.40	-5.94
B. Local authorities <u>1/</u>					
Revenue	...	5.01	6.44	...	...
Of which: Transfers within general government	...	1.32	1.96	...	...
Expenditures <u>4/</u>	...	4.48	6.49	...	...
Of which: Transfers within general government	...	0.19	1.69	...	...
Balance <u>4/</u>	...	0.53	-0.05	...	...
C. Extrabudgetary funds <u>5/</u> , <u>6/</u>					
Revenue	10.85	14.60	24.46	33.19	44.44
Of which: Transfers within general government	3.52	4.37	9.01	11.95	16.12
Expenditures <u>4/</u>	9.57	15.04	23.84	32.83	44.08
Of which: Transfers within general government	--	--	--	--	--
Balance <u>4/</u>	1.27	-0.44	0.63	0.36	0.37
D. Extrabudgetary units of the state budget					
Revenue	1.37	1.72	2.18	2.56	3.21
Of which: Transfers within general government	0.72	0.51	0.41	0.35	0.35
Expenditures <u>4/</u>	1.18	1.53	1.80	2.58	3.12
Of which: Transfers within general government	--	0.14	0.29	0.08	0.08
Balance	0.19	0.19	0.38	-0.02	0.10
E. Extrabudgetary units of the local authorities <u>7/</u>					
Revenues	...	...	3.26	...	...
Of which: Transfers within general government	...	...	1.29	...	...
Expenditures <u>4/</u>	...	...	3.24	...	...
Of which: Transfers with general government	...	...	0.46	...	...
Balance <u>4/</u>	...	...	0.02	...	...
F. Unidentified expenditure <u>8/</u>	...	-0.07	0.83	...	...
G. Consolidated general government <u>9/</u>					
Revenue	25.41	34.19	50.30	74.22	97.75
Expenditure	<u>23.56</u>	<u>39.58</u>	<u>57.93</u>	<u>78.72</u>	<u>101.96</u>
Balance	1.85	-5.39	-7.63	-4.50	-4.21
Change in outstanding arrears <u>10/</u>	-0.26	1.29	-0.64	0.42	0.21
Balance (cash basis) <u>11/</u>	1.59	-4.11	-8.27	-4.08	-4.00
Financing	-1.59	4.11	8.27	4.00	4.00
Domestic bank financing (net)	-1.63	4.12	7.56	3.52	6.68
Other domestic financing	0.01	0.07	0.58	1.14	1.62
Foreign financing (net)	-0.40	-0.09	-0.28	-0.59	-4.30
Sale of foreign exchange holdings	--	--	0.41	--	--
Other <u>12/</u>	0.43	-0.25	-0.41	--	--
Memorandum item:					
State budget balance (cash, national definition)	-0.24	-3.10	-6.91	-4.34	-5.74

Table 14 (concluded). Poland: Summary of the Government's Financial Operations, 1990-94

	1990	1991	1992	1993	1994
	(In percent of GDP)				
A. State budget ^{1/}					
Revenues	33.3	25.7	27.0	29.5	29.4
Expenditures ^{2/} , ^{3/}	32.7	32.7	33.8	32.3	32.2
Balance ^{2/}	0.7	-7.0	-6.8	-2.8	-2.8
B. Local authorities ^{1/}					
Revenues	...	6.1	5.6	...	...
Expenditures ^{4/}	...	5.4	5.7	...	...
Balance ^{4/}	...	0.6	--	...	...
C. Extrabudgetary funds ^{5/} , ^{6/}					
Revenues	18.3	17.7	21.4	21.3	20.7
Expenditures ^{4/}	16.2	18.2	20.9	21.1	20.5
Balance ^{4/}	2.2	-0.5	0.6	0.2	0.2
D. Extrabudgetary units of the state budget					
Revenues	2.3	2.1	1.9	1.6	1.5
Expenditures ^{4/}	2.0	1.9	1.6	1.7	1.5
Balance	0.3	0.2	0.3	0.1	--
E. Extrabudgetary units of the local authorities ^{2/}					
Revenues	...	...	2.9	...	...
Expenditures ^{4/}	...	...	2.8	...	...
Balance ^{4/}	...	...	--	...	...
F. Unidentified expenditure ^{8/}	...	-0.1	0.7	...	...
G. Consolidated general government ^{2/}					
Revenues	43.0	41.5	44.0	47.6	45.5
Expenditures	39.8	48.0	50.7	50.5	47.5
Balance	3.1	-6.5	-6.7	-2.9	-2.0
Change in outstanding arrears ^{10/}	-0.4	1.6	-0.6	0.3	0.1
Balance (cash basis) ^{11/}	2.7	-5.0	-7.2	-2.6	-1.9
Financing	-2.7	5.0	7.2	2.6	1.9
Domestic bank financing (net)	-2.8	5.0	6.6	2.3	3.1
Other domestic financing	--	0.1	0.5	0.7	0.8
Foreign financing (net)	-0.7	-0.1	-0.2	-0.4	-2.0
Sale of foreign exchange holdings	--	--	0.4	...	...
Other ^{12/}	0.7	--	--	...	...
Memorandum item:					
State budget balance (cash, national definition)	-0.4	-3.8	-6.0	-2.8	-2.7

Sources: Data provided by the Polish authorities; and staff estimates.

^{1/} For 1987-90, the state budget includes the budget of the central government and the budgets of local regional authorities. Beginning in 1991, the state budget includes the budget of the central government and the budgets of the regional authorities; the budgets of local authorities are separated from the state budget.

^{2/} On a commitment basis, except for external interest payments, which are on a cash basis.

^{3/} In 1986, responsibility for the service of government foreign debt and for the payment of subsidies related to foreign debt service, which are recorded on a cash basis, was transferred from the state budget to an extrabudgetary fund. On December 31, 1990, the extrabudgetary fund responsible for external debt service was closed and responsibility reverted to the state budget.

^{4/} On a cash basis.

^{5/} Includes transfers among extrabudgetary funds.

^{6/} Including extrabudgetary funds under the control of central government and those under the control of local authorities.

^{7/} Not considered part of the general government before 1992 since no data were available.

^{8/} Reflects unallocated financing.

^{9/} Consolidated for payments and transfers between the state budget, local authorities, extrabudgetary funds, extrabudgetary units of the state budget, and extrabudgetary units of the local authorities, and for payments among extrabudgetary funds and extrabudgetary units.

^{10/} Expenditure arrears of the state budget to the bank and nonbank public that were not converted into treasury bills.

^{11/} In 1991, the cash deficit includes the purchase of capitalized housing interest through issuing treasury bills to the National Housing Bank, payments to clear interest arrears on these bills, and payments to the National Housing Bank of the capital amount of guaranteed loans that were extended by the National Housing Bank to housing cooperatives and are in default. In 1992, the cash deficit includes interest payments on promissory notes connected with the extrabudgetary fund for foreign debt service payments, payments to clear interest arrears on the purchase of capitalized housing interest, and payments to the National Housing Bank of the capital amount of guaranteed loans that were extended by the National Housing Bank to housing cooperatives and are now in default.

^{12/} Reflects acquisition of nonmonetary assets by extrabudgetary funds and, until 1991, unallocated financing.

Table 15. Poland: State Budget Revenues, 1990-94

	1990	1991	1992	1993	1994
(In billions of zlotys)					
Total revenues	19.71	21.21	30.85	45.90	63.13
Current revenues	19.71	21.04	30.37	45.12	61.53
Tax revenue	16.68	18.02	27.29	40.34	56.46
Domestic indirect taxes	3.75	6.12	10.31	17.75	26.88
Enterprise income tax	8.29	5.06	5.06	6.26	6.83
From nonfinancial institutions	7.16	4.23	3.97	...	5.78
From financial institutions	1.12	0.84	1.09	...	1.04
Personal income tax ^{1/}	1.79	1.95	7.23	11.94	17.38
Real estate tax	0.34	--	--	--	--
Taxes on excessive wage increases	0.88	2.71	1.70	1.00	0.47
Taxes and levies on foreign trade ^{2/}	0.37	1.71	2.68	3.38	4.89
Stamp duty	0.13	--	--	--	--
Other	1.14	0.47	0.32	--	--
Nontax revenue	3.03	3.01	3.07	5.56	6.67
Transfers from the Central Bank ^{3/}	0.99	0.66	0.80	1.42	2.36
Dividend requirement	1.28	1.26	0.85	0.69	0.60
Interest	0.13	0.25	0.00	--	--
Other	0.62	0.84	1.42	3.45	3.71
Capital revenues ^{4/}	--	0.17	0.48	0.78	1.60
Memorandum item:					
Income tax reliefs granted	0.60	0.24	0.23	...	...
(In percent of GDP)					
Total revenues	33.3	25.7	27.0	29.5	29.4
Current revenues	33.3	25.5	26.6	29.0	28.7
Tax revenue	28.2	21.9	23.9	25.9	26.3
Domestic indirect taxes	6.3	7.4	9.0	11.4	12.5
Enterprise income taxes	14.0	6.1	4.4	4.0	3.2
From nonfinancial institutions	12.1	5.1	3.5	...	2.7
From financial institutions	1.9	1.0	1.0	...	0.5
Personal income tax ^{1/}	3.0	2.4	6.3	7.7	8.1
Real estate tax	0.6	--	--	--	--
Taxes on excessive wage increases	1.5	3.3	1.5	0.6	0.2
Taxes and levies on foreign trade ^{2/}	0.6	2.1	2.3	2.2	2.3
Stamp duty	0.2	--	--	--	--
Other	1.9	0.6	0.3	--	--
Nontax revenues	5.1	3.7	2.7	3.6	3.1
Transfers from the Central Bank ^{3/}	1.7	0.8	0.7	0.9	1.1
Dividend requirement	2.2	1.5	0.7	0.4	0.3
Interest	0.2	0.3	--	--	--
Other	1.1	1.0	1.2	2.2	1.7
Capital revenues ^{4/}	--	0.2	0.4	0.5	0.7
Memorandum item:					
Income tax reliefs granted	1.0	0.3	0.2	...	...

Sources. Data provided by the Polish authorities; and staff estimates.

^{1/} Before 1992: various wage taxes.

^{2/} Revenues from taxes and levies on foreign trade accrued to the Export Development Fund in 1989; in 1990, revenues from customs duties were shared between the Export Development Fund and the state budget.

^{3/} Includes revenues from foreign currency auctions in 1989.

^{4/} Gross receipts from privatizations.

Table 16. Poland: State Budget Expenditure, 1990-94

	1990	1991	1992	1993	1994
(In billions of zlotys)					
Total expenditure and net lending (cash basis)	19.32	26.93	38.20	50.30	68.90
Current expenditure	17.68	25.12	35.76	47.13	65.23
Wages	2.48	4.58	7.17	9.24	13.03
Social security contributions	0.95	1.52	2.23	3.00	3.67
Purchase of goods and services	7.74	8.63	9.57	12.40	17.27
Interest	0.23	1.26	3.13	5.34	8.69
Domestic	0.54	2.03	4.10	6.86	
Foreign	0.71	1.09	1.24	1.83	
Subsidies	4.31	4.14	3.94	3.65	4.62
Transfers to social security funds 1/	1.97	4.32	8.97	12.40	17.40
General transfer to local governments	--	0.67	0.76	1.10	0.55
Capital expenditure and net lending	1.64	1.81	2.44	3.17	3.67
Capital expenditure and capital grants	1.64	1.81	1.95	2.48	3.13
Net lending (invoked guarantees)	0.49	0.70	0.54		
Changes in arrears and residual expenditure	--	--	0.60	0.90	-0.40
Total expenditure and net lending on domestic commitment basis 2/	19.32	26.93	38.80	51.20	68.50
GDP	56.0	80.90	114.90	155.80	214.70
(In percent of GDP)					
Total expenditure and net lending (cash basis)	34.5	33.3	33.2	32.3	32.1
Current expenditure	31.6	31.1	31.1	30.2	30.4
Wages	4.4	5.7	6.2	5.9	6.1
Social security contributions	1.7	1.9	1.9	1.9	1.7
Purchase of goods and services	13.8	10.7	8.3	8.0	8.0
Interest	0.4	1.6	2.7	3.4	4.0
Domestic	--	0.7	1.8	2.6	3.2
Foreign	--	0.9	1.0	0.8	0.9
Subsidies	7.7	5.1	3.4	2.3	2.2
Transfers to social security funds 1/	3.5	5.3	7.8	8.0	8.1
General transfer to local governments	--	0.8	0.7	0.7	0.3
Capital expenditure and net lending	2.9	2.2	2.1	2.0	1.7
Capital expenditure and capital grants	2.9	2.2	1.7	1.6	1.5
Net lending (invoked guarantees)	--	--	0.4	0.4	0.3
Changes in arrears and residual expenditure	--	--	0.5	0.6	-0.2
Total expenditure and net lending on domestic commitment basis 2/	34.5	33.3	33.7	32.8	31.9
GDP	100.0	100.0	100.0	100.0	100.0
Memorandum items					
Defense expenditures (in percent of GDP)	...	2.1	2.1	2.1	1.9

Sources: Data provided by the Polish authorities; and staff estimates.

1/ Includes pensions for uniformed personnel and family allowances, and transfers to other state budget funds.

2/ In 1990 and 1991 arrears and residual expenditure are included in current and capital expenditure.

Table 17. Poland: Operations of Extrabudgetary Funds, 1990-94 ^{1/}

	1990	1991	1992	1993	1994
(In billions of zlotys)					
Revenues	<u>10.85</u>	<u>14.60</u>	<u>24.46</u>	<u>33.19</u>	<u>44.44</u>
Social Insurance Fund	5.78	11.17	18.52	24.94	33.64
Social Insurance Fund for Farmers	0.83	1.50	2.45	3.30	4.98
Central Fund for Science and Technology Development	0.85	--	--	--	--
Foreign Debt Servicing Fund ^{2/}	0.94	--	--	--	--
Export Development Fund	0.77	--	--	--	--
Central and Local Funds for Cultural Development	0.32	--	--	--	--
Labor Fund ^{3/}	0.46	1.19	2.31	3.10	4.47
Other	0.89	0.74	1.18	1.86	1.35
Of which:					
Transfers from state budget	<u>3.52</u>	<u>4.37</u>	<u>9.01</u>	<u>11.95</u>	<u>16.12</u>
Social Insurance Fund	0.88	2.21	4.95	6.61	8.30
Social Insurance Fund for Farmers	0.75	1.36	2.25	3.09	4.72
Central Fund for Science and Technology Development	--	--	--	--	--
Foreign Debt Servicing Fund ^{2/}	0.91	--	--	--	--
Export Development Fund	--	--	--	--	--
Central and Local Funds for Cultural Development	0.32	--	--	--	--
Labor Fund ^{3/}	0.33	0.75	1.63	1.99	2.80
Other	0.32	0.05	0.18	0.27	0.03
Expenditure	<u>9.57</u>	<u>15.04</u>	<u>23.84</u>	<u>3.28</u>	<u>44.08</u>
Social Insurance Fund	5.18	11.51	18.21	2.46	33.54
Social Insurance Fund for Farmers	0.77	1.55	2.29	0.33	4.98
Central Fund for Science and Technology Development	0.67	--	--	--	--
Foreign Debt Servicing Fund ^{2/}	0.90	--	--	--	--
Export Development Fund	0.59	--	--	--	--
Central and Local Funds for Cultural Development	0.32	--	--	--	--
Labor Fund ^{3/}	0.34	1.24	2.28	3.04	4.40
Other	0.81	0.74	1.05	1.92	1.16
Of which:					
Transfers to state budget	--	--	--	--	--
Balance	1.27	-0.44	0.63	0.36	0.37
Social Insurance Fund	0.61	-0.34	0.31	0.35	0.11
Social Insurance Fund for Farmers	0.06	-0.05	0.16	0.01	--
Central Fund for Science and Technology Development	0.18	--	--	--	--
Foreign Debt Servicing Fund ^{2/}	0.05	--	--	--	--
Export Development Fund	0.18	--	--	--	--
Central and Local Fund for Cultural Development	0.01	--	--	--	--
Labor Fund ^{3/}	0.12	-0.05	0.03	0.06	0.07
Other	0.08	0.00	0.13	-0.06	0.19

Sources: Data provided by the Polish authorities; and staff estimates.

^{1/} Information based on 33 extrabudgetary funds (31 so-called "special purpose" funds, and the Foreign Debt Servicing Fund and the Export Development Fund) under the control of the central government, and 17 funds under the control of local authorities. Flows of funds between central and local funds are excluded. Beginning in 1991, the number of extrabudgetary funds under the control of the central government was reduced to 14.

^{2/} After excluding from revenues state credits received and repayment of credits previously extended abroad, and subtracting from expenditures state credits extended abroad and repayment of state credits received from abroad. The items are all treated as foreign financing of general government--see Table 20.

^{3/} Data before 1991 refer to the State Fund for Occupational Activation.

Table 18. Poland: Finances of the Main Social Insurance Funds, 1990-94 ^{1/}

	1990	1991	1992	1993	1994
<u>(In billions of zlotys)</u>					
Social Insurance Fund (FUS)					
Revenues	5.78	11.17	18.52	24.94	33.66
Of which: Transfers from the state budget	0.88	2.21	4.95	6.61	8.30
Expenditures	5.18	11.51	18.21	24.58	33.54
Of which: Pensions	4.09	8.83	14.74	19.80	27.77
Social Insurance Fund for Farmers (KRUS)					
Revenues	0.83	1.50	2.45	3.30	4.98
Of which: Transfers from the state budget	0.75	1.36	2.25	3.09	4.72
Expenditures	0.77	1.55	2.29	3.29	4.98
Of which: Pensions	0.71	1.22	2.13	3.00	4.43
Labor Fund (FP)					
Revenues	0.46	1.19	2.31	3.10	4.47
Of which: Transfers from the state budget	0.33	0.75	1.63	1.99	2.80
Expenditures	0.34	1.24	2.28	3.04	4.40
Of which: Unemployment benefits	0.11	1.02	1.97	1.87	2.70
Totals for the Main Social Insurance Funds					
Revenues	7.07	13.86	23.28	31.34	43.11
Of which: Transfers from the state budget	1.97	4.32	8.82	11.69	15.82
Expenditures	6.29	14.30	22.79	30.91	42.92
Of which: Pensions	4.80	11.05	16.87	22.80	32.20
<u>(In percent of GDP)</u>					
Social Insurance Fund (FUS)					
Revenues	9.8	13.6	16.2	16.0	15.7
Of which: Transfers from the state budget	1.5	2.7	4.3	4.2	3.9
Expenditures	8.7	14.0	15.9	15.8	15.6
Of which: Pensions	6.9	10.7	12.9	12.7	12.9
Social Insurance Fund for Farmers (KRUS)					
Revenues	1.4	1.8	2.1	2.1	2.3
Of which: Transfers from the state budget	1.3	1.7	2.0	2.0	2.2
Expenditures	1.3	1.9	2.0	2.1	2.3
Of which: Pensions	1.2	1.5	1.9	1.9	2.1
Labor Fund (FP)					
Revenues	0.8	1.4	2.0	2.0	2.1
Of which: Transfers from the state budget	0.6	0.9	1.4	1.3	1.3
Expenditures	0.6	1.5	2.0	2.0	2.0
Of which: Unemployment benefits	0.2	1.2	1.7	1.2	1.3
Totals for the Main Social Insurance Funds					
Revenues	12.0	16.8	20.4	20.1	20.1
Of which: Transfers from the state budget	3.3	5.2	7.7	7.5	7.4
Expenditures	10.6	17.3	19.9	19.8	20.0
Of which: Pensions	8.1	12.2	14.8	14.6	15.0
<u>(In percent of total revenues of respective Funds)</u>					
Memorandum item:					
State budget transfers to					
Social Insurance Fund	15.2	19.7	26.7	26.5	24.7
Social Insurance Fund for Farmers	90.3	91.0	91.7	93.6	94.8
Labor Fund	72.9	62.9	70.3	64.2	62.6

Sources: Data provided by the Polish authorities; and IMF staff estimates.

^{1/} On a cash basis.

Table 19. Poland: Monetary Survey, 1992-95 ^{1/}

(In billions of zlotys; stocks at end of period)

	1992	1993	1994	March	June	September
				1995		
Net international reserves	12.8	18.7	27.5	31.4	37.3	45.2
(In millions of U.S. dollars)	8,120	8,755	11,290	13,080	15,912	18,564
Net domestic assets	28.3	37.2	49.8	49.9	50.1	49.4
Credit to nongovernment	24.9	33.2	41.6	44.8	47.9	51.9
Net credit to general government ^{2/ 3/}	18.3	28.2	39.5	41.9	40.6	39.4
Other items, net	-14.9	-24.2	-31.3	-36.7	-38.3	-41.9
Money and quasi money	41.1	55.9	77.3	81.3	87.4	94.6
Zloty money	30.9	39.8	55.2	59.2	66.7	73.8
Foreign currency deposits	10.2	16.1	22.1	22.1	20.7	20.8
(In millions of U.S. dollars)	6,464	7,539	9,051	9,188	8,827	8,541
Memorandum items:						
Inflation (12-month percent change)	44.4	37.6	29.5	33.2	30.3	24.2
Nominal money growth (12-month percent change)	57.5	36.0	38.2	37.6	38.6	37.4
Real growth of credit (12-month percent change) ^{4/}	...	-3.0	-3.3	-4.9	-0.3	9.6
Velocity of broad money	3.49	3.29	3.33	...	...	...
Share of foreign currency deposits in broad money	24.8	28.8	28.5	27.1	23.7	22.0

Sources: Data provided by the Polish authorities; and staff estimates.

^{1/} The figures for reserves and net credit to general government in 1994 include the impact of the net financing cost of the debt reduction operation with external commercial creditors.

^{2/} Beginning in 1994, the accounting of treasury bills newly purchased by the National Bank of Poland to finance the budget deficit was changed from a face value basis to a cash value basis. Accordingly, to compare net credit to government across years, the net credit to general government has been adjusted in all years to show the cash value of securities.

^{3/} The change in the stock of net credit to general government can be reconciled with the flow change in bank financing in the fiscal table after adjustments are made for valuation effects on the dollar-denominated debt of the government and capitalized interest on the bonds issued to recapitalize the state-owned banks.

^{4/} Credit to nongovernment excluding capitalized interest and interest due but not paid, deflated by the CPI.

Table 20. Poland: Balance Sheet of the National Bank of Poland, 1992-95

(In billions of zlotys; stocks at end of period)

	1992	1993	1994	March	June	September
				1995		
Net official reserves	5.4	7.7	11.5	15.8	22.8	31.6
(In millions of U.S. dollars)	3,443	3,616	4,697	6,577	9,725	12,987
Net domestic assets	8.1	8.2	8.2	5.7	1.4	-5.1
Credit to nonfinancial sector	-1.2	--	--	--	--	--
Credit to banks	3.4	4.0	4.4	2.3	2.7	2.4
Of which: Repo operations (net)	--	-0.7	-1.0	-3.0	-2.8	-3.4
Net credit to general government	10.2	11.7	15.8	16.4	11.7	10.8
NBP securities	7.6	7.3	2.5	1.9	2.4	6.1
Other items, net	-5.1	-8.2	-14.6	-14.9	-15.4	-24.3
Reserve money	13.6	16.0	19.6	21.5	24.2	26.5
Currency	9.5	12.2	14.8	16.5	18.9	20.1
Bank deposits	4.0	3.8	4.8	5.0	5.3	6.4
Memorandum items						
Money multiplier ^{1/}	3.03	3.50	3.94	3.78	3.62	3.56
Gross official reserves						
(In millions of U.S. dollars)	4,287	4,281	6,029	7,574	10,728	12,987

Sources: Data provided by the Polish authorities; and staff estimates.

^{1/} Broad money divided by reserve money.

Table 21. Poland: Interest Rates, 1991-95 ^{1/}

(In percent)

	NBP Rates		Six-Month Deposits 3/	Prime Lending	Market Rates			WIBOR 3/ 3-Month
	Refinance	Intervention 2/			13-Week	T-Bills 26-Week	52-Week	
<u>1991</u>								
March	72.0	...	74.0	72.0	...	...	...	...
June	59.0	...	60.0	59.0	...	...	...	67.3
September	40.0	...	43.0	40.0	...	...	...	48.4
December	40.0	...	41.0	40.0	...	...	...	47.0
<u>1992</u>								
March	40.0	...	42.5	40.0	46.5	49.0	54.4	46.3
June	40.0	...	42.5	40.0	45.7	48.6	52.0	46.6
September	38.0	...	37.7	38.0	42.4	44.3	47.1	44.6
December	38.0	...	37.0	39.0	41.4	42.9	45.9	44.2
<u>1993</u>								
March	35.0	...	30.5	35.0	28.6	27.4	36.5	35.3
June	35.0	...	30.5	35.0	33.0	34.6	38.1	33.5
September	35.0	...	30.5	35.0	33.4	34.7	38.2	34.0
December	35.0	...	29.5	35.0	33.7	35.1	38.3	34.4
<u>1994</u>								
March	35.0	27.0	29.5	35.0	29.8	33.0	38.0	33.4
June	33.0	26.5	29.0	32.0	28.9	29.5	31.1	32.2
September	33.0	26.5	29.5	31.0	26.8	27.6	29.3	30.6
December	33.0	26.0	28.5	31.0	27.0	27.4	26.3	28.4
<u>1995</u>								
January	33.0	26.0	28.0	28.0	27.0	27.2	26.3	28.9
February	35.0	26.0	29.0	28.0	26.9	26.8	26.3	29.1
March	35.0	28.0	29.0	28.0	28.1	27.5	27.4	30.3
April	35.0	27.8	27.5	28.0	27.3	27.6	27.6	29.7
May	33.0	27.1	26.5	28.0	25.3	26.4	26.2	28.2
June	31.0	26.6	25.0	26.0	25.0	25.9	25.9	27.6
July	31.0	26.5	24.0	26.0	25.2	26.0	26.1	27.6
August	31.0	26.5	23.8	26.0	25.1	26.0	26.1	26.7
September	29.0	26.1	23.0	24.0	24.6	25.5	25.3	26.2

Source: Data provided by the Polish authorities.

^{1/} The NBP refinance rate and the deposit and lending rates are end-period values, while all the other rates are monthly averages.

^{2/} One-day reverse repo rate.

^{3/} Midpoint of the range of rates offered by principal commercial banks.

^{4/} Warsaw interbank offered rate.

Table 22. Poland: Balance of Payments, 1989-94 ^{1/}

(In millions of U.S. dollars)

	1989	1990	1991	1992	1993	1994
Trade balance	240	2,214	51	512	-2,293	-836
Exports	7,575	10,863	12,760	13,997	13,585	16,950
Imports	7,335	8,649	12,709	13,485	15,878	17,786
Of which: Oil and gas imports	--	--	2,553	2,261	1,655	1,278
Nonfactor services (net)	-228	-150	237	344	369	57
Receipts	767	1,327	1,577	1,612	1,846	2,100
Payments	995	1,477	1,341	1,268	1,477	2,043
Interest (net)	-3,087	-3,329	-2,862	-1,740	-1,392	-1,633
Receipts	382	581	541	527	400	271
Payments due	3,469	3,910	3,403	2,267	1,792	1,904
Of which: Paid	--	474	885	1,097	827	1,110
Transfers (net)	1,232	1,933	353	528	929	1,182
Private	1,144	1,676	308	230	821	1,025
Official (including debt converted)	88	257	45	298	108	157
Investment income	--	--	--	85	139	222
Transfer of profits	--	--	--	--	-39	-75
Current account balance	-1,843	668	-2,222	-270	-2,287	-1,083
Capital account	-1,531	-2,350	-7,954	373	1,524	2,682
Medium- and long-term capital (net)	-1,442	-2,526	-6,059	-292	-471	31
Disbursements	226	428	786	562	922	894
Amortization due	1,668	2,954	6,845	854	1,393	863
Of which: Paid	--	369	347	443	903	503
Credit extended	--	42	13	-1	11	-11
Direct investment	36	10	117	284	580	542
Short-term capital	-125	-236	-1,254	598	1,095	1,800
Error and omissions	--	360	-713	38	92	738
Valuation adjustment	--	--	-58	-254	217	-418
Overall balance	-3,374	-1,682	-10,176	103	-764	1,599
Net reserves, official and banks (-, increase)	-356	-4,442	1,317	-1,614	-634	-2,535
Net reserves (-, increase), official	-200	-2,153	1,201	-485	-173	-1,154
Gross official reserves (-, increase)	-415	-2,417	866	-473	7	-1,747
Liabilities (+, increase)	215	264	335	-12	-180	594
Of which: IMF credit, net	--	500	322	--	-138	594
Change in other NIR of banking system	-156	-2,289	116	-1,128	-461	-1,381
Gross (-, increase)	--	-1,989	250	-1,414	-370	-1,531
Liabilities	--	-300	-134	286	-91	150
Debt relief	382	9,054	4,382	202	--	7,900
Principal and (arrears)	--	--	2,939	202	--	7,205
Interest	--	--	1,443	--	--	695
Change in arrears	3,192	-2,930	4,477	1,309	1,397	-6,965

Sources: Polish Ministry of Finance; National Bank of Poland; and staff estimates.

^{1/} Convertible currency trade on a payments basis from commercial banks.

Table 23. Poland: Current Account of Balance of Payments in Convertible and Nonconvertible Currencies, 1983-94 ^{1/}

(In millions of U.S. dollars)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Exports f.o.b.												
In convertible currencies	4,806	5,324	5,120	5,316	6,163	7,248	7,575	10,863	12,760	13,997	13,585	16,950
In nonconvertible currencies	6,194	6,476	5,762	6,242	5,439	5,963	4,337	4,151	546	47	13	74
Imports f.o.b.												
In convertible currencies	3,890	3,944	4,032	4,281	5,123	6,307	7,335	8,649	12,709	13,485	15,878	17,786
In nonconvertible currencies	6,692	7,018	6,404	6,633	5,680	5,757	4,122	2,276	368	90	202	133
Trade balance												
In convertible currencies	916	1,380	1,088	1,035	1,040	941	240	2,214	51	512	-2,293	-836
In nonconvertible currencies	-498	-542	-642	-391	-241	206	214	1,875	178	-43	-189	-59
Services and unrequited transfers, net												
In convertible currencies	-2,328	-2,154	-1,706	-1,700	-1,457	-1,521	-2,083	-1,546	-2,274	-782	6	-247
Of which: Interest payments, net	-2,736	-2,549	-2,444	-2,557	-2,815	-2,855	-3,087	-3,329	-2,863	-1,740	-1,392	-1,633
In nonconvertible currencies	150	37	84	108	80	72	77	125	63	64	38	31
Of which: Interest payments, net	-54	-89	-110	-106	-100	-100	-85	-37	15	60	31	29
Current account ^{1/}												
In convertible currencies	-1,412	-774	-618	-665	-417	-580	-1,843	668	-2,222	-270	-2,287	-1,083
In nonconvertible currencies	-348	-505	-558	-283	-161	278	291	2,000	241	21	-151	-28

Source: Data provided by the Polish authorities.

^{1/} Represents the summation of transactions, expressed in U.S. dollars. Transactions in transferable rubles were converted into U.S. dollars at the cross commercial rate.

Table 24. Poland: Balance of Payments in Transferable Rubles with Members of the CMEA, 1988-94 ^{1/}

(In millions of transferable rubles)

	1988	1989	1990	1991 ^{2/}	1992 ^{2/}	1993 ^{2/}	1994 ^{2/}
A. Current account	<u>560</u>	<u>1,104</u>	<u>7,121</u>	<u>558</u>	<u>-77</u>	<u>-400</u>	<u>-95</u>
Merchandise exports, f.o.b.	11,573	11,320	13,493	1,175	50	11	81
Merchandise imports, f.o.b.	11,077	10,342	6,885	795	122	408	177
Trade balance	<u>496</u>	<u>978</u>	<u>6,608</u>	<u>382</u>	<u>-72</u>	<u>-397</u>	<u>-96</u>
Services: credit	<u>1,327</u>	<u>1,563</u>	<u>1,949</u>	<u>365</u>	<u>1</u>	<u>2</u>	<u>3</u>
Shipment and other transportation	430	405	411	56	--	...	...
Travel	193	260	408	163	--	...	...
Interest receipts	3	3	34	16	1	1	3
Other	701	895	1,096	130	--	...	...
Services: debit	<u>1,266</u>	<u>1,442</u>	<u>1,467</u>	<u>190</u>	<u>6</u>	<u>3</u>	<u>2</u>
Shipment and other transportation	147	161	169	43	4	...	...
Travel	442	435	157	68	--	...	...
Interest payments	285	309	253	25	--	--	--
Other	392	537	888	54	2	...	...
Unrequited transfers, net	<u>3</u>	<u>5</u>	<u>31</u>	<u>1</u>	<u>--</u>	<u>--</u>	<u>--</u>
B. Medium- and long-term capital (net)	<u>-572</u>	<u>-721</u>	<u>-698</u>	<u>-248</u>	<u>48</u>	<u>96</u>	<u>-200</u>
Credits received	<u>-602</u>	<u>-654</u>	<u>-743</u>	<u>-316</u>	<u>--</u>	<u>--</u>	<u>--</u>
Drawings	145	107	75	--	--	--	--
Repayments	747	761	818	316	--	--	--
Credits extended	<u>8</u>	<u>-79</u>	<u>39</u>	<u>-16</u>	<u>48</u>	<u>96</u>	<u>200</u>
Repayments	19	36	142	30	58	96	--
Drawings	11	115	103	46	10	--	200
Other capital (net)	22	12	6	84	--	--	--
C. Short-term capital and other items (net)	<u>12</u>	<u>-383</u>	<u>-6,423</u>	<u>-310</u>	<u>29</u>	<u>304</u>	<u>295</u>
D. Overall balance (items A through C)	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>
Memorandum items:							
Trade balance (in U.S. dollars)	228	329	1,462	76	-11	-46	-9
Current account (in U.S. dollars)	257	372	1,575	111	-12	-46	-9
Cross exchange rate (rubles per U.S. dollars)	2.18	2.97	4.52	5.04	6.49	8.64	10.84

Source: Data provided by the Polish authorities.

^{1/} Excluding trade in convertible currencies or under bilateral agreements.

^{2/} Transactions reflect execution of contracts signed before end-1990. The TR-denominated trade arrangement came to an end on January 1, 1991.

Table 25. Poland: External Trade, 1990-94

(Percentage change)

	1990	1991	1992	1993	1994
Exports					
Value (U.S. dollar)	6.2	4.0	-11.5	7.3	21.9
Volume	13.7	-2.4	-2.6	-1.1	18.3
Price (U.S. dollar)	-6.6	6.6	-9.1	8.5	3.0
Imports					
Value (U.S. dollar)	-8.3	61.1	1.0	18.4	14.5
Volume	-7.9	37.8	13.9	18.5	13.4
Price (U.S. dollar)	0.4	16.9	-11.3	--	1.0
Terms-of-trade	-7.0	-8.8	2.5	8.5	2.0

Source: Data provided by the Polish authorities; and staff estimates.

Table 26. Poland: Changes in the Value, Price,
and Volume of Exports and Imports, 1989-93 1/

(In percent)

	1989	1990	1991	1992	1993
CMEA trade <u>2/3/</u>					
Exports					
Value	-2.2	19.2	-58.3	-17.1	-30.0
Price	2.2	3.8	43.3	3.4	-6.8
Volume	-4.3	14.8	-70.9	-19.8	-24.9
Imports					
Value	-6.6	-33.4	-14.7	-18.8	-16.3
Price	-3.2	-1.8	104.1	1.6	-1.2
Volume	-3.6	-32.2	-58.2	-20.1	-15.3
Terms of trade	5.6	5.7	-29.8	1.8	-5.7
Non-CMEA trade <u>3/</u>					
Exports					
Value	2.6	48.3	5.7	9.1	--
Price	2.4	-0.4	-2.2	3.4	-6.8
Volume	0.2	48.9	8.0	5.5	7.3
Imports					
Value	14.2	17.7	29.8	8.4	23.7
Price	-0.6	6.5	-3.1	2.3	-6.1
Volume	14.9	10.5	33.9	6.0	31.7
Terms of trade	3.0	-6.5	0.9	1.1	-0.7

Sources: Data provided by the Polish authorities; and IMF staff estimates.

1/ Based on payments basis data; unit prices for 1991 based on invoice data, for 1992 and 1993 from the IMF, World Economic Outlook, various issues.

2/ Up to 1990, Council of Mutual Economic Assistance (CMEA) trade covers ruble trade only. Thereafter, trade with CMEA partners under all arrangements have been taken into account, and changes in value and price relate to magnitudes expressed in U.S. dollars, with transferable ruble transactions converted at the commercial cross rates.

3/ Includes transactions under bilateral payments agreements.

Table 27. Poland: Transactions Under Bilateral
Payments Agreements, 1990-94

(In millions of U.S. dollars)

	1990	1991	1992	1993	<u>Estimate</u> 1994
A. Current account	<u>425</u>	<u>130</u>	<u>-29</u>	<u>-105</u>	<u>-19</u>
Merchandise exports, f.o.b.	1,166	313	35	12	67
Merchandise imports, f.o.b.	753	211	71	155	117
Trade balance	<u>413</u>	<u>102</u>	<u>-36</u>	<u>-143</u>	<u>-50</u>
Services: credit	<u>36</u>	<u>41</u>	<u>85</u>	<u>41</u>	<u>2</u>
Shipment and other transportation	5	6	--	...	...
Interest receipts	14	27	79	30	...
Other	17	8	6	...	...
Services: debit	<u>24</u>	<u>13</u>	<u>20</u>	<u>3</u>	<u>2</u>
Shipment and other transportation	5	--	--	...	...
Interest payments	3	10	18	--	...
Other	16	3	2	...	...
B. Medium- and long-term capital account (net)	<u>31</u>	<u>4</u>	<u>32</u>	<u>54</u>	<u>-28</u>
Credits extended (net)	31	4	32	54	<u>-28</u>
C. Short-term capital and other items (net)	<u>-456</u>	<u>-134</u>	<u>-61</u>	<u>51</u>	<u>43</u>
D. Overall balance (items A through C)	--	--	--	--	--

Source: Data provided by the Polish authorities.

Table 28. Poland: Direction of Trade by Commodity Group, 1994

(Share, in percent; SITC classification)

	Percent of Total Trade	Central and Eastern European Countries		Total	Other Countries		Developing
		Total	Of Which: CEFTA		Total	Developed	
						Total		Of Which: EU
<hr/>							
Exports (f.o.b.)							
Food, live animals	10.1	2.6	0.3	7.5	6.8	5.6	0.7
Beverages, tobacco	1.4	1.1	--	0.3	0.2	0.2	0.1
Inedible crude materials	4.7	0.5	0.4	4.2	3.7	3.2	0.5
Mineral fuels	9.1	1.9	1.1	7.2	6.5	4.3	0.7
Oils, animal fats	0.1	0.1	--	0.1	0.1	0.1	--
Chemicals	6.8	2.0	0.7	4.8	4.0	3.2	0.7
Manufactures classified by material	27.5	2.1	1.3	25.4	21.5	18.3	3.9
Machinery, transport equipment	19.8	2.4	0.7	17.4	14.2	11.5	3.2
Miscellaneous manufactured articles	20.5	1.8	0.4	18.7	18.3	16.4	0.4
Other	0.1	--	--	0.1	0.1	--	--
Total (in thousands of U.S. dollars)	100.0	14.5	4.8	85.5	75.4	62.7	10.2
Imports (c.i.f.)							
Food, live animals	8.7	0.7	0.3	8.0	5.2	4.1	2.8
Beverages, tobacco	0.9	0.1	--	0.8	0.5	0.3	0.3
Inedible crude materials	5.2	2.1	0.2	3.1	2.3	1.5	0.8
Mineral fuels	10.4	5.7	0.2	4.8	3.6	1.9	1.2
Oils, animal fats	0.7	0.1	0.1	0.6	0.5	0.4	0.1
Chemicals	14.7	2.1	1.3	12.6	11.9	9.4	0.7
Manufactures classified by material	20.2	2.0	1.2	18.2	17.3	14.0	1.0
Machinery, transport equipment	28.9	1.2	0.7	27.7	25.6	19.5	2.2
Miscellaneous manufactured articles	9.9	0.4	0.3	9.5	7.8	6.0	1.7
Other	0.5	--	--	0.5	0.5	0.2	--
Total (in thousands of U.S. dollars)	100.0	14.2	4.3	85.8	75.2	57.5	10.6

Source: Data provided by the Polish authorities.

Table 29. Poland: Commodity Composition of Trade with
Nonsocialist Developed Countries, 1990-94

(At current prices, in millions of U.S. dollars; SITC classification)

	Value					Percent of Total	
	1990	1991 ^{1/}	1992	1993	1994	1990	1994
Exports (f.o.b.)							
Food, live animals	1,298.8	899.5	1,160.7	1,045.1	1,174.4	15.5	9.0
Beverages, tobacco	48.9	28.2	22.3	18.7	37.2	0.6	0.3
Inedible crude materials	639.4	514.3	832.1	599.1	633.3	7.6	4.9
Mineral fuels	1,072.5	1,071.9	921.5	1,032.1	1,120.5	12.8	8.6
Oils, animal fats	28.9	17.6	17.7	13.9	11.5	0.4	0.1
Chemicals	797.9	771.6	777.8	562.8	694.0	9.5	5.3
Manufactures classified by material	2,442.6	2,611.8	2,722.6	2,707.4	3,710.2	29.2	28.6
Machinery, transport equipment	1,081.8	1,244.1	1,631.5	2,108.0	2,444.9	12.9	18.8
Miscellaneous manufactured articles	687.1	708.9	1,336.9	2,539.5	3,156.4	8.2	24.3
Other	<u>274.6</u>	<u>448.2</u>	<u>53.9</u>	<u>3.1</u>	<u>9.0</u>	<u>3.3</u>	<u>0.1</u>
Total	8,372.5	8,311.1	9,477.1	10,629.8	12,992	100.0	100.0
Imports (c.i.f.)							
Food, live animals	381.8	424.2	988.0	1,300.4	1,126.9	7.7	6.9
Beverages, tobacco	95.0	107.0	95.7	77.9	101.9	1.9	0.6
Inedible crude materials	332.3	325.9	384.6	409.5	498.2	6.7	3.1
Mineral fuels	336.6	396.4	1,112.5	892.0	777.1	6.8	4.8
Oils, animal fats	35.6	41.0	80.0	80.6	108.0	0.7	0.7
Chemicals	576.2	683.6	1,782.5	2,097.3	2,568.3	11.6	15.8
Manufactures classified by material	595.0	524.4	1,531.2	3,005.3	3,726.8	12.0	23.0
Machinery, transport equipment	2,267.3	1,758.7	4,173.8	4,921.9	5,513.4	45.8	34.0
Miscellaneous manufactured articles	328.0	277.4	1,243.9	1,535.6	1,690.4	6.6	10.4
Other	<u>1.7</u>	<u>1.0</u>	<u>125.4</u>	<u>50.3</u>	<u>100.8</u>	<u>0.1</u>	<u>0.6</u>
Total	4,949.5	4,540.6	11,517.7	14,370.9	16,211.8	100.0	100.0

Source: Data provided by the Polish authorities.

^{1/} Only public sector.

Table 30. Poland: Commodity Composition of Trade with
Nonsocialist Developing Countries, 1990-94

(At current prices, in millions of U.S. dollars; SITC classification)

	Value					Percent of Total	
	1990	1991 ^{1/}	1992	1993	1994	1990	1994
Exports (f.o.b.)							
Food, live animals	53.7	39.0	96.1	92.4	120.0	5.6	6.9
Beverages, tobacco	2.8	2.5	7.3	14.2	8.3	0.9	0.5
Inedible crude materials	180.8	142.6	133.3	99.7	85.0	6.1	4.9
Mineral fuels	156.4	101.2	82.8	118.7	118.0	7.2	6.7
Oils, animal fats	--	--	--	--	--	--	--
Chemicals	139.3	100.9	134.5	125.7	125.3	7.6	7.2
Manufactures classified by material	199.0	207.3	545.5	736.5	669.8	44.8	38.3
Machinery, transport equipment	405.1	412.3	418.6	416.2	554.2	25.3	31.7
Miscellaneous manufactured articles	49.2	23.9	46.6	41.0	68.8	2.5	3.9
Other	<u>105.0</u>	<u>91.6</u>	<u>15.1</u>	--	--	--	--
Total	1,291.3	1,121.3	1,479.8	1,644.5	1,749.6	100.0	100.0
Imports (c.i.f.)							
Food, live animals	44.9	63.5	309.5	394.2	609.3	20.4	26.6
Beverages, tobacco	20.8	18.8	41.7	56.2	71.8	2.9	3.1
Inedible crude materials	116.6	111.7	105.5	110.0	168.8	5.7	7.4
Mineral fuels	280.4	541.0	437.6	370.4	257.0	19.2	11.2
Oils, animal fats	1.2	0.7	8.7	13.5	21.0	0.7	0.9
Chemicals	10.1	10.5	33.5	102.4	140.2	5.3	6.1
Manufactures classified by material	51.3	33.0	78.6	162.6	204.8	8.4	8.9
Machinery, transport equipment	36.9	37.4	237.1	426.6	464.6	22.1	20.3
Miscellaneous manufactured articles	30.4	50.0	208.9	294.4	355.1	15.2	15.5
Other	--	--	<u>35.2</u>	<u>1.7</u>	<u>2.0</u>	<u>0.1</u>	<u>0.1</u>
Total	592.6	866.6	1,496.6	1,932.1	2,294.6	100.0	100.0

Source: Data provided by the Polish authorities.

^{1/} Only public sector.

Table 31. Poland: Commodity Composition of Trade with Former
CMEA and other Socialist Countries, 1990-94 ^{1/}

(At current prices, in millions of U.S. dollars: SITC classification)

	Value					Percent in Total	
	1990	1991 ^{2/}	1992	1993	1994	1990	1994
Exports (f.o.b.)							
Food, live animals	129.7	160.9	428.8	272.2	441.0	14.6	17.7
Beverages, tobacco	15.6	15.1	44.8	103.5	194.4	5.5	7.8
Inedible crude materials	98.7	90.8	162.9	88.6	91.5	4.7	3.7
Mineral fuels	218.2	263.9	408.6	222.9	327.0	11.9	13.1
Oils, animal fats	--	0.1	2.0	4.5	8.4	0.2	0.3
Chemicals	292.7	366.7	221.7	275.1	343.8	14.7	13.8
Manufactures classified by material	460.4	141.7	317.1	301.6	361.8	16.1	14.5
Machinery, transport equipment	2,052.5	933.4	474.0	441.8	412.2	23.6	16.5
Miscellaneous manufactured articles	269.8	53.8	163.4	158.1	316.5	8.5	12.7
Other	<u>299.1</u>	<u>179.2</u>	<u>6.5</u>	<u>0.4</u>	<u>2.1</u>	--	<u>0.1</u>
Total	3,836.7	2,211.6	2,229.8	1,868.7	2,498.9	100.0	100.0
Imports (c.i.f.)							
Food, live animals	61.7	27.5	233.6	143.3	140.2	5.7	4.6
Beverages, tobacco	23.0	14.1	24.7	11.4	11.6	0.5	0.4
Inedible crude materials	129.1	187.7	370.6	346.4	444.0	13.7	14.5
Mineral fuels	1,169.0	1,591.9	1,123.6	1,083.5	1,218.7	42.8	39.8
Oils, animal fats	1.3	2.4	17.0	23.3	30.3	0.9	1.0
Chemicals	98.1	131.8	329.2	307.6	459.7	12.2	15.0
Manufactures classified by material	302.5	96.4	272.2	314.4	422.6	12.4	13.8
Machinery, transport equipment	736.8	502.6	331.6	219.8	248.3	8.7	8.1
Miscellaneous manufactured articles	164.2	39.7	189.5	81.4	87.0	3.2	2.8
Other	<u>1.3</u>	<u>5.8</u>	<u>6.5</u>	<u>0.2</u>	<u>0.2</u>	--	--
Total	2,687.0	2,599.9	2,898.5	2,531.4	3,062.7	100.0	100.0

Source: Data provided by the Polish authorities.

^{1/} Data for trade settled in transferable rubles (TRs) were converted into U.S. dollars using cross rates derived from the commercial rates of the zloty vis-à-vis the TR and the dollar.

^{2/} Includes only the public sector.

Table 32. Poland: Scheduled Debt Service by Creditor, 1990-94

	1990	1991	1992	1993	1994
<u>(In millions of U.S. dollars)</u>					
Paris Club/Other Guaranteed/Jumbo					
Interest	2,519	1,940	620	535	577
Principal	2,467	2,907	69	79	40
Former CMEA banks and Russian Federation					
Interest	198	193	133	124	89
Principal	62	114	242	292	156
London Club (including revolving facility)					
Interest	856	1,030	1,140	906	832
Principal	145	3,521	165	157	266
Other commercial creditors					
Interest	249	87	139	119	243
Principal	280	303	378	865	401
World Bank					
Interest	--	17	44	43	61
Principal	--	--	--	--	--
International Monetary Fund					
Charges	25	63	74	49	42
Repurchases	--	--	--	138	310
Other multilateral institutions					
Interest	2	--	4	11	20
Principal	--	--	--	--	--
Interest on short-term debt	--	70	113	5	40
Total (including IMF)	6,803	10,245	3,120	3,323	3,077
Interest	3,849	3,400	2,267	1,792	1,904
Principal	2,954	6,845	854	1,531	1,173

Source: Data provided by the Polish authorities.

Table 33. Poland: Servicing of Medium- and Long-Term
Debt in Convertible Currencies, 1989-94

	1989	1990	1991	1992	1993	1994
<u>(In billions of U.S. dollars)</u>						
Debt service payments due in respect to current period's obligations	6.6	6.9	10.2	3.1	3.2	2.8
Of which:						
Principal	3.1	3.0	6.8	0.9	1.4	0.9
Interest	3.5	3.9	3.4	2.3	1.8	1.9
Debt service paid in respect to current period's obligations	1.6	0.7	1.2	1.5	1.7	1.6
Of which:						
Principal	0.5	0.3	0.3	0.4	0.9	0.5
Interest	1.1	0.4	0.9	1.1	0.8	1.1
Cash settlement of arrears	--	--	0.1	--	--	--
<u>(In percent of exports of goods and nonfactor services in convertible currencies)</u>						
Debt service due in respect to current period's obligations	79	56	71	20	21	16
Debt service paid in respect of current period's obligations	19	6	8	10	11	9
Of which:						
Principal	6	2	2	3	6	3
Interest	13	4	6	7	5	6
Debt service rescheduled	20	41	31	--	--	7
Incurrence of new arrears	40	10	31	8	9	--
Cash settlement of arrears	--	--	1	--	--	--

Source: IMF staff compilation from data provided by the Polish authorities.

Table 34. Poland: Foreign Investment in Poland
by Sector through June 1995

(In millions of U.S. dollars)

	Disbursements <u>1/</u>	Percent	Commitments	Percent
Agriculture	8	0.2	--	--
Industry	3,198	59.3	4,122	81.0
Fuel and energy	120	2.2	314	6.2
Metallurgy	46	0.9	150	3.0
Electro-machinery	922	17.1	2,024	39.8
Chemicals	273	5.1	70	1.4
Minerals	319	5.9	247	4.9
Wood and paper	403	7.5	143	2.8
Light industry	170	3.2	241	4.7
Food processing	899	16.7	900	17.7
Other	47	0.9	33	0.7
Construction	463	8.6	181	3.6
Transportation	30	0.6	1	--
Telecommunication	240	4.5	413	8.1
Trade	342	6.4	192	3.8
Financial services	1,074	19.9	176	3.5
Other	34	0.6	5	0.1
Total	5,390	100.0	5,089	100.0

Source: Polish State Foreign Investment Agency.

1/ Including equity and loans.

Table 35. Poland: External Reserves and Other Foreign Assets, 1988-94

(In millions of U.S. dollars)

At End of Period	1988	1989	1990	1991	1992	1993	1994
Official external reserves	<u>2,244.2</u>	<u>2,503.2</u>	<u>4,680.3</u>	<u>3,814.0</u>	<u>4,287.3</u>	<u>4,280.8</u>	<u>5,196.7</u>
Gold <u>1/</u>	189.0	189.0	189.0	189.0	189.0	189.0	<u>189.0</u>
Foreign exchange	2,055.2	2,314.2	4,491.3	3,625.0	4,098.3	4,041.8	<u>5,007.7</u>
Other foreign assets in convertible currencies <u>2/</u>	<u>3,566.2</u>	<u>2,399.9</u>	<u>4,521.6</u>	<u>4,278.9</u>	<u>5,746.4</u>	<u>6,184.5</u>	<u>7,119.7</u>
Foreign assets in non- convertible currencies	<u>859.7</u>	<u>609.1</u>	<u>2,384.5</u>	...	...	...	<u>...</u>

Source: Data provided by the Polish authorities.

1/ Gold is valued at US\$400 per ounce.

2/ Includes pre-paid letters of credit.

Table 36. Poland: Exchange Rate Developments

Period	Exchange Rate Policy	Action	Comments
Before 1990	Multiple exchange rates, adjustable peg to a basket of currencies	Frequent and substantial devaluations	
January 1, 1990	Fixed exchange rate system	Unification of official and black market rates Devaluation (31.6 percent)	Exchange rate: Zl 9,500 per U.S. dollar
May 17, 1991	Fixed exchange rate system	Devaluation (16.8 percent against the dollar, 14.4 against the basket) Shift from a dollar peg to a basket peg	Exchange rate: Zl 11,100 per U.S. dollar Basket includes: U.S. dollar (45 percent), deutsche mark (35 percent), pound sterling (10 percent), French franc (5 percent), Swiss franc (5 percent)
October 19, 1991	Preannounced crawling peg	Rate of crawl announced: 1.8 percent per month (Zl 9 per day)	
February 25, 1992	Preannounced crawling peg	Devaluation (10.7 percent against the basket) Rate of crawl: 1.8 percent per month (Zl 11 per day)	Exchange rate: Zl 13,360 per U.S. dollar
July 10, 1992	Preannounced crawling peg	Rate of crawl: 1.8 percent per month (Zl 12 per day)	Basket unchanged Technical adjustment made
August 27, 1993	Preannounced crawling peg	Devaluation (7.4 percent against the basket) Rate of crawl reduced: 1.6 percent per month (Zl 15 per day)	Exchange rate: Zl 23,113 per U.S. dollar
September 13, 1994	Preannounced crawling peg	Rate of crawl reduced: 1.5 percent per month	
November 30, 1994	Preannounced crawling peg	Rate of crawl reduced: 1.4 percent per month	
January 1, 1995	Redenomination	One new zloty equal to 10,000 old zlotys	
February 15, 1995	Preannounced crawling peg	Rate of crawl reduced: 1.2 percent per month	
March 6, 1995	Preannounced crawling peg	Margin in interbank market widened to +/- 2 percent around official rate	
May 16, 1995	Float within crawling band	Rate permitted to fluctuate +/-7 percent around mid-rate that continues to crawl at 1.2 percent per month	

Table 37. Poland: Effective Exchange Rate, 1990-94

(Quarterly average indices January 1992 = 100)

		Real Effective Exchange Rate		Nominal Effective Exchange Rate
		Wage Based 1/	Price Based 2/	
1990:	I	...	47.9	126.4
	II	...	57.9	125.6
	III	...	60.0	119.3
	IV	...	65.2	113.8
1991:	I	95.6	82.9	115.7
	II	108.0	92.1	116.4
	III	105.6	88.9	106.8
	IV	102.8	93.7	103.5
1992:	I	96.9	96.3	94.9
	II	86.0	92.1	83.8
	III	82.9	92.5	78.7
	IV	85.3	98.6	76.9
1993:	I	90.0	103.8	74.5
	II	85.0	104.0	70.5
	III	85.3	101.0	65.6
	IV	81.4	100.4	60.1
1994	I	78.6	102.6	56.9
	II	79.3	103.1	53.9
	III	76.7	102.8	50.9
	IV	79.0	105.9	48.5

Sources: IMF Information Notice System; and staff estimates.

1/ Based on data on unit labor costs in Poland and partner countries.

2/ Nominal effective exchange rate index deflated by seasonally adjusted index of relative prices; a decrease indicates depreciation.

Table 38. Poland: Evolution of Customs Tariff Structure, 1989-95 1/

(Percentage rates)

Harmonized Commodity Description and Coding System (HCDDCS)	<u>January</u> 1989	August 1990 to August 1991	<u>August</u> 1991	<u>December</u> 1993 <u>2/</u>	<u>June</u> 1995 <u>3/</u>
All commodities	18.3	5.5	18.4	19.0	9.4
Agriculture products	17.2	4.0	26.2	26.2	19.5
Industrial products	18.7	...	16.3	17.0	8.0
Mineral products	7.8	3.4	8.9	8.9	2.3
Chemical products	13.5	3.9	14.1	13.7	6.8
Plastics	19.9	5.5	15.0	14.9	9.5
Fur and leather products	17.2	5.1	25.7	23.5	10.3
Wood and paper products	18.7	7.4	13.4	13.4	5.3
Textiles, footwear, clothing	22.2	9.7	20.6	21.4	12.4
Industrial mineral and metal products	15.4	4.2	14.7	17.6	10.1
Machinery, transport equipment, precision instruments	21.9	3.9	16.1	16.6	16.3
Jewelry, arms, art objects, miscellaneous manufactured products	19.9	11.6	19.1	17.0	13.2

Sources: Organization for Economic Cooperation and Development; and data provided by the Polish authorities.

1/ Based on average frequency, including suspended tariffs and tariffs on duty-free tariff quotas.

2/ Estimates based on CN classification.

3/ Estimates based on CN clarification, including suspended tariffs and Free Trade Agreements.

Table 39. Poland: Tariff Structure, as of July 1, 1995 ^{1/}

(Percentage rates)

	Average	Effective Average	Trade-Weighted Effective Average ^{2/}
All commodities	14.33	12.77	9.44
Agricultural products	25.15	24.72	21.24
Animal products	33.06	33.00	31.57
Vegetable products	15.87	15.74	8.28
Fats and oils	16.22	16.22	14.92
Prepared foodstuffs	29.53	28.48	26.62
Industrial products	12.96	11.26	7.95
Mineral products	3.83	2.76	2.30
Chemical products	11.76	10.79	6.83
Plastics	13.37	11.97	9.50
Leather products	11.22	9.50	7.42
Wood products	12.33	12.02	8.99
Wood pulp products	4.30	0.09	0.01
Textile products	16.06	14.87	12.25
Footwear	17.15	17.15	15.68
Stone products	11.66	11.22	8.59
Precious materials	18.57	18.57	14.70
Base metal products	16.38	13.03	10.35
Mechanical and electrical machinery	13.81	11.29	5.44
Transport equipment	22.98	22.96	20.68
Optical products	13.39	10.08	7.12
Arms	33.00	33.00	28.67
Miscellaneous manufactured products	15.84	15.84	12.96
Art	--	--	--

Source: Data provided by the Polish authorities.

^{1/} Based on CN nomenclature excluding tariff free quotas.

^{2/} Including Free Trade Agreements.

Table 40. Poland: Summary of Nontariff Trade Barriers, 1995

I. Imports

- | | |
|--------------------------------|---|
| 1. Licensing: | Not required except for: <ul style="list-style-type: none">- Alcoholic beverages other than beer- Dairy products- Military equipment- Radioactive material- Coal- Temporary imports of capital goods |
| 2. Quotas: | Not required except for: <ul style="list-style-type: none">- Alcohol: various quotas of denaturated alcohol and several alcoholic beverages- Cigars (20 million) and cigarettes (5 billion)- Light oils (1.6 million tons)- Medium and heavy oils (1 million tons) |
| 3. Preferential tariff quotas: | <ul style="list-style-type: none">- Vehicle parts for assembly of new cars- Wheat- Barley- Oats- Vehicles:<ul style="list-style-type: none">Without catalytic convertor - 25,000With catalytic convertor - 8,500- Trucks: 120- Electronic parts- Mackerel- Paper- Several chemical products- Computers- Several foils and wires- Some articles of the construction industry- Some agricultural goods from CEFTA- Special purpose motor vehicles- Some chemicals for plant protection- Some articles for production of light sources- Equipment for environmental protection- Some railway equipment- Some medical equipment- Pharmaceuticals- Some articles for use in civil aircraft |

Table 26 (continued). Poland: Summary of Nontariff Trade Barriers, 1995

- Military equipment
 - Fire fighting vehicles
 - Paper containers for juice and milk
 - Some articles for construction of gas pipeline
 - Articles for electro-mechanical industry
 - Some goods for telecommunications
 - Some types of oil for ships

 - Baltic herring and fish-EFTA countries (3,000 tons and 50 tons, respectively)
4. Import prohibitions:
- Vodka and nondenaturated alcohol
 - Two-stroke engines
 - Cars older than 10 years, trucks older than 6 years
 - Trade with Iraq, Serbia/Montenegro
 - Combine harvesters

II. Exports

1. Licensing: Not required Except for:
- Radioactive materials
 - Military equipment
 - Certain dairy products
 - Ethyl alcohol, colored and other alcoholic beverages
 - Scrap metal
2. Quotas: Not required except where Polish exports subject to international agreement; e.g., sheep to the EU, textiles to the EU, Canada, Norway
- Ferrous waste and scrap (400,000 tons)
3. Export prohibitions:
- Protein feed and oats

Table 26 (concluded). Poland: Summary of Nontariff Trade Barriers, 1995

- On a temporary basis: dairy products, nondenaturated alcohol, vodkas, other alcoholic beverages, engine oils and gasoline, natural gas
- Trade with Iraq (except food) and Serbia/Montenegro (except articles meeting humanitarian needs)

Table 41. Poland: Protectionist Measures Introduced by the European Union, March 1992-December 1994

Product	Measure	Submeasure or Effect on Trade	Description	Introduction Date
Silicon	Dumping	Provisional duties	EU imposed provisional duties of 32 percent on imports of silicon after Commission determined that dumping at margins up to 61.5 percent had occurred.	7/6/92
Frozen strawberries and black currants	Subsidies	Final ruling	EU Commission decided to impose countervailing duties in amount of the difference between Polish prices and EU minimum import prices on imports of frozen strawberries and blackcurrants.	10/01/92
Seamless steel tubes	Dumping	Preliminary ruling	EU imposed provisional antidumping duties on imports of seamless steel tubes (10.8 percent). They were imposed for four months pending an inquiry.	11/15/92
Steel tubes	Dumping	Preliminary ruling	EU made preliminary affirmative determination in dumping case involving steel tubes.	11/15/92
Hematite pig iron	Dumping	Investigation	EU initiated a dumping investigation of imports of hematite pig iron.	12/09/92
Ferro-silicon	Dumping	Final ruling	EU council imposed definitive antidumping duties of 32 percent on imports of ferro-silicon.	12/18/92
Steel tubes	Dumping	Extension	EU extended for two months preliminary antidumping duties on imports of steel tubing.	3/8/92
Frozen blackcurrants, strawberries	Minimum prices	Amendment	EU amended a regulation imposing minimum prices on imports of frozen blackcurrants and strawberries.	4/01/92
Live animals and fresh meat	Import prohibition	Introduction	EU imposed import prohibition on animals and fresh meat because of cases of foot-and mouth disease in Italy.	5/10/93
Urea	Dumping	Investigation	EU Commission initiated a dumping investigation of imports of urea.	5/13/93
Urea ammonium nitrate	Dumping	Investigation	EU initiated a dumping investigation of imports of urea ammonium nitrate.	5/13/93
Steel tubes	Dumping	Final ruling	EU imposed definitive antidumping duties on imports of steel tubes (10.8 percent), duties effective 5/15/93.	5/15/93
Seamless pipes and tubes of iron and steel	Dumping	Final ruling	EU Commission imposed definitive antidumping duties (and there was a price undertaking) on imports of seamless pipes and tubes of iron and steel (11.7 percent).	5/15/93
Cherries	Minimum import	Introduction	EU Council agreed to introduce minimum port prices on cherries.	7/19/93
Silicon carbide	Dumping	Final ruling	EU imposed a duty of 10.8 percent	4/13/94
Pig iron (hematite)	Dumping	Final ruling	EU imposed on rate of duty to equalize the price to ECU 149 per ton	7/16/94
Urea ammonium nitrate solution	Dumping	Provisional duties	EU imposed provisional duties to equalize the price to ECUS9 per ton (alternatively a specific duty of ECU 19 to 22 ECU per ton could be imposed).	7/1/94

Source: Data provided by the Polish authorities.