

THE COMMONWEALTH OF INDEPENDENT STATES

ARMENIA, AZERBAIJAN, BELARUS, GEORGIA, KAZAKHSTAN, KYRGYZSTAN, MOLDOVA, RUSSIA, TAJIKISTAN, TURKMENISTAN, UKRAINE, AND UZBEKISTAN

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Foreign mineral trade is the focus of this 2002 annual report on the Commonwealth of Independent States (CIS) countries. These countries are Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan. During the Soviet period, trade data, and in particular those for many mineral commodities, were either maintained as a state secret or reported in ways that did not permit analyses of most mineral trade. Since the breakup of the Soviet Union in 1991, a somewhat greater amount of mineral trade data has been available for the CIS countries, but it is still far below the level of trade reporting for advanced market economy countries and is of limited use for analyzing trade patterns. Since 1987, comprehensive trade data for the Soviet Union and its successor states that were included in the Minerals Yearbook annual reports were based primarily on trade data from the trading partners of the Soviet Union and its successor states; these data were not compiled by the U.S. Bureau of Mines nor, subsequently, the U.S. Geological Survey. Some mineral trade data from CIS countries, however, if available, have been included in these reports.

This chapter provides 2002 mineral trade data for the CIS countries from available CIS sources, which include available statistical yearbooks from the Interstate Statistical Committee of the Commonwealth of Independent States (2003), information from the separate CIS countries' statistical agencies, other trade reporting from the CIS countries, and Global Trade Atlas data provided by the Global Trade Information Services, Inc. Inclusion of all possible sources of CIS trade data, which would include trade data collections from all countries that trade with CIS countries, has not been attempted. Using reported CIS trade data, this chapter includes a synopsis of major trends in mineral trade for each of the CIS countries and trade tables for the CIS countries for which data were available. All trade data reported in these synopses are based on the data in the corresponding country trade tables included in this chapter unless otherwise referenced.

Mineral exports were a mainstay of the economies of practically all the CIS countries, which earned the majority of their export revenues from mineral trade. The Soviet Union had a policy of trying to ensure economic self-sufficiency,

which included minerals for itself and the Soviet bloc states that comprised the Commonwealth of Mutual Economic Assistance (CMEA); the members were Bulgaria, Cuba, Czechoslovakia, the German Democratic Republic, Hungary, the Mongolian People's Republic, Poland, Romania, the Soviet Union, and Vietnam. Exports of certain minerals, such as diamond, gold, natural gas, nickel, oil, and platinum-group metals (PGM), and armaments provided the Soviet Union with practically all its hard currency earnings. Hard currency was used to purchase goods on world markets that were not produced in adequate amounts in the Soviet Union and/or the bloc states during the Soviet period, such as grain and steel pipe for gas pipelines. Most mineral production was consumed within the country or sent to countries of the Soviet bloc.

Mineral consumption has fallen sharply since the breakup of the Soviet Union and has not significantly revived for a number of reasons that include the sharp reduction in consumption by the defense sector, the breakdown of economic ties within and among the CIS countries, and the curtailment of State subsidies. Minerals that were once consumed in large quantities in the CIS and the CMEA countries, such as aluminum, nickel, and titanium, were now primarily exported outside the CIS, but not to the former CMEA countries on a subsidized basis. Since the breakup of the Soviet Union, the CIS countries increased the traditionally large exports of mineral commodities, such as diamond, gold, natural gas, nickel, oil, and PGM outside the CIS. The Soviet Union's mineral industries were geared to supplying consumers in the region through a central planning mechanism; since 1992, however, the mineral trade of the CIS has been focused on supplying consumers outside the CIS. As a result of this large shift, the mineral supply of the CIS is now calculated as part of the world mineral supply.

Mineral trade within the CIS was limited primarily because of the steep fall in consumption in the region. Nevertheless, owing to the uneven distribution of mineral resources in the CIS, many CIS countries were dependent on other CIS countries for their mineral supplies. For example, Russia produced the majority of oil and natural gas in the CIS and exported these commodities to those CIS countries that lacked these resources; other CIS producers of these fuels, such as Azerbaijan, Kazakhstan, and

Turkmenistan, also exported oil and natural gas to other CIS countries. The situation was the same for nonfuel mineral resources. For example, practically all the chromite was produced in Kazakhstan, and all the manganese was produced in Ukraine; these alloying materials were needed by the Russian steel industry.

Mineral trade within the CIS also still occurs at below world market prices for commodities for which markets outside the CIS are lacking owing to the inability of some mineral industries to compete because of low quality or lack of markets for their products. These mineral industries still supply enterprises within the CIS that were designed to process these commodities. Such trade at times has been conducted in accord with special trade agreements that have included barter.

Mineral production in the CIS was mainly under the control of private firms that produced minerals to earn profits. State firms that controlled mineral production were also profit oriented. Although the Soviet Union exported minerals to earn specific amounts of hard currency to purchase a limited quantity of goods, the owners of mineral industries in the CIS primarily exported minerals to earn profits. The mineral producers in the CIS actively competed in world markets. Taxes on the export of minerals were major sources of Government revenue for most CIS countries. Profits on mineral sales, however, still were not reinvested in adequate amounts in the CIS mineral industries or economies because capital flight has been a major problem in the post-Soviet period.

The world has been dependent on mineral exports from the CIS for a number of important mineral commodities. The CIS (in particular Russia) and Saudi Arabia were the leading suppliers of oil to world markets, and Russia was the world's leading supplier of natural gas. The CIS was also a major supplier to world markets of aluminum, nickel, PGM, potash, titanium, and uranium. Besides these minerals, the CIS played a significant role in the world supply of numerous other mineral products, which included beryllium, chromite, copper, diamond, gold, iron ore, and iron and steel.

Large mineral exports from the CIS caused disruptions and dislocations on world mineral markets, which included the markets for aluminum, potash, steel, and titanium. A combination of trade sanctions and agreements and adjustment of capacity among producers resulted in a new market equilibrium. If CIS countries were to begin consuming mineral products at anywhere near the rate of developed industrial countries, then this would bring about major changes in world mineral supply because a significant percentage of mineral products currently exported outside the CIS would be consumed within the CIS. Also, if CIS countries and developing countries, which include China and India, were to increase their per capita gross domestic product and, consequently, their per capita mineral consumptions, then issues would arise regarding the assessment of the resource base for meeting the global future demand for mineral resources and the associated economic and environmental costs that would be incurred in attempting to meet this demand.

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ARMENIA

According to official Armenian trade statistics, Armenia's total volume of exports increased by 48% in 2002 to \$507.2 million from \$341.8 million in 2001. The country's volume of imports increased by 12.5% in 2002 to \$991.0 million from \$877.4 million in 2001. Less than 20% of Armenia's total value of exports went to CIS countries, but more than 30% of the country's imports were from CIS countries.

Mineral products exports composed about 70% of the total value of exports. Of total exports, the category "Natural or cultured pearls, precious or semiprecious stones, precious metals" composed 51% of exports, of which more than 99% of exports in this category went to countries outside the CIS; cut diamonds accounted for the majority of exports in this category. Other significant mineral product export categories were "Ores, slag, and ash," which composed 5.6% of total exports; "Aluminum and aluminum goods" (3.5%); "Mineral fuels, mineral oils and products of their distillation: bituminous substances, mineral waxes" (2.7%); "Copper and articles thereof" and "Ferrous metals" (2.3% each). A number of other mineral product categories comprised lesser percentages of total exports. In the case of copper and aluminum exports, the majority of these exports went to the CIS.

Mineral product imports composed almost 50% of the total value of imports in 2002. The two major categories of imports were "Natural or cultured pearls, precious or semiprecious stones, precious metals," which composed 21.6% of imports, and "Mineral fuels, mineral oils and products of their distillation: bituminous substances, mineral waxes" (17.2%). For the precious metals and stones category, the majority of imports were from outside the CIS, and for the fuel category, the majority of imports were from the CIS.

AZERBAIJAN

In 2002, Azerbaijan had a positive balance of trade—exports totaled \$2.1675 billion, and imports, \$1.6656 billion. The country's positive trade balance of \$501.9 million was less than its positive trade balance in 2001 of \$883.1 million. Exports listed in categories for mineral and mineral-derived products composed more than 90% of the value of exports. Exports of crude petroleum and petroleum products composed almost 70% and almost 20%, respectively, of the total value of exports. Almost all exports of crude petroleum were to countries outside the CIS. The pattern was more varied for petroleum products exports—gasoline exports went primarily to CIS countries; diesel fuel exports, primarily outside the CIS; kerosene exports, more evenly divided between CIS and non-CIS countries; and boiler fuel (mazut) exports, primarily outside the CIS. The quantity and value of other mineral-derived product exports, which included alumina, steel pipes, other nonprecious metals, and industrial minerals, were very small.

Imports of mineral and mineral-derived products composed about one-third of the total value of imports. The largest mineral product imports were of steel pipes and cement, which composed about 10% and 0.5%, respectively, of the total value of imports.

BELARUS

In 2002, Belarus had a negative trade balance—imports exceeded exports by \$1.0714 billion. Exports totaled \$8.0209 billion, and imports, \$9.0293 billion; in 2001, the country's negative trade balance was \$835.8 million. In 2002, trade categories that pertained to minerals and mineral products composed 42% of the value of exports and 47% of the value of imports.

Belarus' most significant mineral exports were, in terms of value, petroleum products, which composed 18% of total exports; potash, almost 6%; and nitrogen, less than 1%. Almost 95% of Belarus' exports of petroleum products and potash were to countries outside the CIS.

The country's most significant imports were crude petroleum, which composed 17% of total imports; natural gas, 6%; and iron and steel, 5%. Belarus' imports of crude oil and natural gas came from Russia and most of its imports of iron and steel came from Kazakhstan, Russia, and Ukraine.

GEORGIA

In 2002, Georgia had a negative trade balance of \$395 million—exports totaled \$325 million, and imports, \$720 million; this negative trade balance was slightly higher than the almost \$359 negative trade balance of 2001 when exports totaled \$320 million and imports, about \$678 million. The trade category "Mineral products" and other related mineral product categories composed almost 40% of total exports and imports. Exports in these categories to CIS countries totaled \$29 million, and those to non-CIS countries, about \$34 million. Imports from CIS countries totaled almost \$185 million, and those from non-CIS countries, \$85 million. Petroleum and petroleum products, which composed the largest value of commodity imports, totaled almost \$170; of that total, almost \$150 million came from CIS countries. Traditionally, Georgia exported petroleum products from its refinery in Batumi, manganese concentrates from its mines at Chiatura, ferroalloys from its ferroalloy plant in Zestafoni, steel products from its steel mill in Rustavi, and a range of industrial minerals, which included many mineral commodities used in construction, from quarrying and stone processing sites. Data on exports of these mineral commodities, however, were not available.

KAZAKHSTAN

Kazakhstan was one of the major mineral-producing countries of the CIS with a large output of fuel and nonfuel minerals. The majority of this output was exported.

In 2002, Kazakhstan had a positive trade balance of \$3.0863 billion, which was an increase compared with its positive trade balance of \$2.1931 billion in 2001. Kazakhstan's exports in 2002 totaled almost \$10 billion, and its imports, almost \$6.6 billion. The category "Mineral products" and other mineral-related product categories accounted for almost 89% of the total value of exports and almost 37% of the value of imports. Crude oil accounted for more than 50% of the total value of exports with almost 87% of the value of crude oil exports being received

from countries outside the CIS. Russia and Ukraine were the major CIS recipients of crude oil from Kazakhstan. The next largest categories were, in order of value of mineral exports, "Flat rolled products of iron or non-alloy steel," "Ferroalloys," "Refined copper and copper alloys, unwrought," "Natural gas," "Artificial corundum, aluminum oxide, aluminum hydroxide," "Coal," "Unwrought zinc," and "Iron ores and concentrates, including roasted iron pyrites." Kazakhstan, however, also exported large quantities of mineral products either not of the magnitude of the above categories or not specifically listed in the available trade data, such as beryllium, cadmium, chromite, gold, magnesium, silver, titanium sponge, and uranium.

KYRGYZSTAN

In 2002, Kyrgyzstan had a negative trade balance of \$101.2 million compared with a positive trade balance of \$9 million in 2001. In 2002, exports totaled \$485.5 million, and imports, \$586.7 million. Kyrgyzstan's main category of mineral exports was "Natural or cultured pearls, precious or semiprecious stones, precious metals, metals clad with precious metals and articles thereof; imitation jewelry, coin," which composed about one-third of the total value of exports. Kyrgyzstan's main export earning commodity in the above category was gold, which composed almost the entire volume of exports from this category. Kyrgyzstan produced about 18 metric tons (t) of gold in 2002 in a joint venture with Cameco Corp. of Canada to develop the Kumtor deposit in Kyrgyzstan. All the gold produced was exported. As part of the joint-venture agreement, Cameco claimed ownership of one-third of the gold output. Cameco's share of the gold production is probably not included in the above export data. Kyrgyzstan also was the only producer of antimony and mercury metal in the CIS; its entire output was exported. Where and how data for these exports were reflected in the reported trade data is not clear.

MOLDOVA

In 2002, Moldova had a negative trade balance of \$394.7 million compared with a negative trade balance of \$324.6 million in 2001. Exports in 2002 totaled \$643.9 million, and imports, \$1.0386 billion. The category "Mineral products" and other mineral-product-related categories accounted for about 6% of total exports and almost 42% of total imports.

Moldova's main category of mineral product exports was "Iron and steel." Moldova had one of the two minimills constructed during the Soviet period and exported steel products primarily to countries outside the CIS.

The country imported a range of mineral products, which included fertilizers, metals, and mineral fuels. The CIS countries were the main suppliers.

RUSSIA

Russia was one of the world's leading mineral-producing and mineral-exporting countries. It was among the world's leading exporters of a range of mineral commodities, which included aluminum, diamond, natural gas, nickel, PGM, crude petroleum

and petroleum products, and titanium metal. Although not necessarily a world leader, Russia had significant exports of a large number of other mineral commodities.

In 2002, the total value of exports was about \$106.2 billion, which was an increase of about \$6 billion compared with that of 2001. The total value of imports was about \$46 billion, which was an increase of more than \$4 billion compared with that of 2001. In 2002, Russia had a positive trade balance of about \$60.2 billion, which was an increase of \$2 billion compared with that of 2001. The category “Mineral products” and other related mineral product trade categories accounted for almost \$80 billion in exports in 2002, which was about 75% of the total value of exports.

Russia’s leading export was, in terms of value, crude petroleum and petroleum products, which totaled nearly \$40 billion in 2002. Natural gas exports totaled more than \$15 billion. About 90% of the value of crude petroleum and petroleum products exports and more than 70% of the quantity of exports of natural gas went to countries outside the CIS. Data were not reported in terms of value of exports for a number of Russia’s significant mineral commodity exports; these included diamond, gold, and PGM. The next largest reported mineral commodity export was, in terms of value, unwrought aluminum, which totaled about \$2.9 billion; 99% of the value of exports went to countries outside the CIS. Another significant mineral commodity export that went mainly to countries outside the CIS was in the category “Refined copper and copper alloys, unwrought,” which totaled almost \$714 million. Only about 1% went to CIS countries.

For the ferroalloys and pig iron categories, more than 90% of the value of exports went to countries outside the CIS. In the fertilizer categories, about 99% of the value of potassium fertilizers and more than 90% of the value of nitrogenous fertilizers and ammonia exports went outside the CIS.

The majority of nickel was exported to the Netherlands and the United Kingdom. Phosphates were mainly exported to Lithuania, the Netherlands, and Norway. The majority of the coal went to Cyprus, Japan, Turkey, and Ukraine.

Russia imported a number of mineral commodities, many of which came from CIS countries; data were available for only a small number of these commodities. In the categories that pertain to iron and steel tubes and pipes, between 30% and 40% of the value of imports was from CIS countries. Russia was dependent on imports of chromite and lead from Kazakhstan; manganese, titanium and zirconium raw materials from Ukraine; and a variety of other metals and industrial minerals from the other CIS countries. Russia also received uranium from Central Asia, although data on uranium imports were not available.

Russia was dependent on imports from outside the CIS for certain mineral commodities. For example, the majority of its bauxite imports came from Guinea; the majority of its rare-earth metal and tin, from China; and the majority of its mica, from India.

TAJIKISTAN

In 2002, Tajikistan recorded a positive trade balance of \$16.5 million after recording a negative trade balance of \$35.9 million in 2001. The total value of exports was \$737 million, and the

total volume of imports, \$720.5 million. Tajikistan’s main export was unwrought aluminum. Tajikistan had one of the former Soviet Union’s largest aluminum smelters in Tursunzade, which had the capacity to produce more than 500,000 metric tons per year (t/yr) of primary aluminum.

The total value of aluminum exports in 2002 was more than \$397 million and accounted for more than 50% of the total value of the country’s exports. Tajikistan exported 304,191 t of aluminum, which was almost its entire production. Most of its aluminum exports went to countries outside the CIS.

Tajikistan, however, had to import all its aluminum raw materials to produce aluminum, and imports in the category “Artificial corundum, aluminum oxide, aluminum hydroxide” totaled more than \$178 million and accounted for almost 25% of the value of imports. The country imported the majority of its alumina from Ukraine but also imported significant quantities of alumina from Azerbaijan and Kazakhstan.

Tajikistan’s other main import categories were, in terms of value, “Petroleum products” and “Natural gas.” Petroleum product imports came almost entirely from CIS countries; Turkmenistan and Uzbekistan were the leading suppliers. Imports of natural gas came entirely from Uzbekistan. Tajikistan imported other mineral commodities; for example, fertilizers and steel products.

TURKMENISTAN

Turkmenistan’s economy relied primarily on natural gas and oil production and cotton growing. The country’s economy was highly dependent on exports of these products to earn foreign exchange. The country’s principal imports were consumer goods (for example, food and medicines) and industrial goods (especially chemical products, building materials, machinery, and equipment) (Auswaertiges Amt, 2002§¹).

Because trade data for Turkmenistan for 2002 were not available in CIS trade data reports or in other available reports, this chapter does not contain tabular data on Turkmenistan’s foreign trade. Foreign trade turnover in Turkmenistan decreased by 11.0% for imports and increased by 8.9% for exports. The country’s trade surplus almost doubled to \$1 billion in 2002 from \$535 million in 2001; the \$465 million gain in the trade balance was equally the result of an export gain and an import decline. Although exports of cotton fiber declined by nearly 46%, the value of exports increased because of a 9.4% rise in unit value for natural gas and some increase in the volume of exports. Oil and gas exports as a percentage of the total value of exports increased to 84.0% in 2002 from 82.8% in 2001 (Asian Development Bank, 2003§). Gas exports were more than double the value of oil exports. Machinery and equipment composed about 60% of the value of Turkmenistan’s imports (Nationmaster.com, 2003§).

In 2002, Turkmenistan did not have any major access routes to export its natural gas except through the Russian pipeline grid. Therefore, most of its gas exports were directed to CIS countries. A large percentage of Turkmenistan’s natural gas production was exported to Ukraine via the Russian pipeline

¹References that include a section mark (§) are found in the Internet References Cited section.

grid. According to a 5-year contract between Turkmenistan and Ukraine that will end in 2006, Ukraine will receive between 34 billion and 36 billion cubic meters per year of natural gas from Turkmenistan; one-half the value will be paid in cash, and the rest, in goods and services (Interfax Petroleum Report, 2004).

Ukraine received almost 50% of Turkmenistan's exports; Italy, 18%; Iran, about 13%; and Turkey, about 6%. Turkmenistan's largest import partner was Russia from which it received almost 20% of the value of its imports. Their import partners were Turkey with about 13%; Ukraine, about 12%; the United Arab Emirates, about 10%; the United States, about 8%; China and Germany, about 6% each; and Iran, about 4% (Nationmaster.com, 2003§).

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UKRAINE

In 2002, as in 2001, Ukraine had a positive trade balance. The total value of exports was about \$18 billion, and that of imports, about \$17 billion. The trade category "Mineral products" and other related mineral trade categories composed more than 60% of the total value of exports and almost 60% of the total value of imports.

Ukraine was a major producer of ferrous ores and metals but lacked adequate production of oil and gas and even coal to meet its domestic requirements. Exports of steel products accounted for about 26% of the total value of exports. The next largest category of exports was petroleum products, which accounted for about 6% of the total value of exports. Other significant mineral commodity exports included alumina, iron ore, and nitrogenous fertilizers and ammonia.

Ukraine's major mineral commodity imports were oil and gas, which together accounted for about 35% of the country's total value of imports. Data were not available on the destinations and sources of Ukraine's exports and imports. Traditionally, most of Ukraine's imports of oil and gas came from CIS countries. Its mineral commodity exports traditionally went to CIS and non-CIS countries, and considerable amounts of its exports of certain mineral commodities, such as alumina, ferroalloys, and titanium raw materials, went to CIS countries.

UZBEKISTAN

Because trade data for Uzbekistan for 2002 was not included in CIS trade data reports, no tabular information on Uzbekistan's

foreign trade is presented in this chapter. According to available foreign trade information on Uzbekistan, the value of foreign trade in 2002 compared with 2001 fell by 11.6% to \$5.6598 billion; exports decreased by 9% to \$2.971 billion, and imports decreased by 14.3% to \$2.6888 billion (Interfax Statistical Report, 2003).

Uzbekistan's major mineral commodity exports were copper metal, gold, natural gas, uranium, and zinc metal. In 2002, cotton was Uzbekistan's major export and accounted for about 45% of the country's exports. Gold was second at 22% (U.S. Department of State, 2004§). Uzbekistan imported copper and zinc concentrates for the Almalyk mining and metallurgical complex (AGMK). AGMK had exported lead concentrate to Kazakhstan, but this ceased with the recent end of lead-zinc mining at Almalyk. Although the share of imported raw materials in total copper production was still only 4% to 5%, imports were now the only source of zinc concentrate. Copper concentrate imports came from Kazakhstan and Russia. Zinc concentrates sources included Iran, Kazakhstan, Spain, and Tunisia; Kazakhstan accounted for about 85% of these imports (Burstein and Petrov, 2003).

Uzbekistan had achieved self-sufficiency in mineral fuels and no longer had to import significant quantities of fossil fuels. The country was the third leading producer of natural gas in the CIS following Russia and Turkmenistan. Approximately 7 billion cubic meters of natural gas was imported (Auswaertiges Amt, 2003§). Uzbekistan also exported some petroleum products produced in a joint venture with Texaco Corp. of the United States. Uzbekistan exported uranium in conjunction with Germany's RWE Nukem in accordance with Nukem's contract with its supplier, Uzbekistan's Navoi Mining and Metallurgical Complex. Uranium sales provided Uzbekistan with more than \$500 million in revenue since 1992 (Ganiev, 2004). In 2002, Uranium exports increased by 11% compared with 2001 to \$53 million as prices for the metal increased (Interfax Central Asia & Caucasus Business Report, 2003§)

Imports of a broad range of mineral commodities, which included ferrous and nonferrous metals, chemical products, plastics, and fuels, composed 15.3% of total imports (Interfax Statistical Report, 2003).

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TABLE 1
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
ARMENIA					
Metals:					
Aluminum:					
Rolled	387	105	294	91	132
Foil	87	4	473	2,699	5,240
Copper:					
Concentrate, Cu content	9,158 ^r	9,830 ^r	12,234 ^r	16,460 ^r	16,641
Blister	3,000	5,000 ^e	4,000	4,000	6,700
Gold kilograms	350 ^e	400 ^e	600 ^r	1,900 ^r	3,200 ^e
Molybdenum, concentrate, Mo content ^e	2,300 ^r	2,800	3,100 ^r	2,943 ^r	2,073
Rhenium ^e kilograms	1,000	700	700	750	800
Silver ^e do.	1,000 ²	1,200	1,300	3,000 ^r	5,500
Zinc, concentrate, Zn content	827 ^r	879	528	745	782
Industrial minerals:					
Caustic soda	3,800	5,000	6,200	4,900	3,600
Cement thousand tons	314 ^r	287	219	275 ^r	355
Clays, bentonite, powder	3,000 ^e	3,493	2,807	995 ^r	328
Diamond, cut thousand carats	NA	NA	NA	186	370
Gypsum	15,200	11,700	9,600	12,800	44,900
Limestone thousand tons	1,700	1,700 ^e	12,800	11,900	12,500
Perlite ^e	35,000	35,000	35,000	35,000	35,000
Salt	24,911	26,955	30,000	28,800 ^r	30,300
AZERBAIJAN³					
Metals:					
Aluminum:					
Metal, primary	--	--	--	-- ^r	--
Alumina thousand tons	(4)	76	217 ^r	88 ^r	91
Alunite do.	--	--	23	-- ^r	--
Iron ore:^e					
Marketable, gross weight	-- ^r	--	-- ^r	4,700 ^r	60
Fe content, 55%	--	--	--	2,585	33
Steel:					
Crude	8,000	--	--	1,605 ^r	524
Rolled	3,000	--	--	--	--
Pipes	3,100	100	4,000	2,076 ^r	2,545
Ingots and castings	8,292	381	846	NA	NA
Industrial minerals:					
Bromine ^e	2,000	2,000	2,000	-- ^r	--
Caustic soda	21,000	20,800	30,000 ^e	30,000 ^e	30,000
Cement	201,000	171,400	200,000 ^e	522,600 ^r	847,700
Gypsum	1,700 ^{r,e}	1,700 ^{r,e}	1,700 ^{r,e}	1,750 ^r	1,039
Iodine ^e kilograms	300,000	300,000	300,000	300,000	300,000
Limestone	NA	NA	NA	577,900	631,500
Mineral fertilizers	600	40	NA	NA	NA
Salt	3,518	2,978	3,801	3,734 ^r	5,380
Sulfuric acid	24,000	24,000	24,000 ^e	24,000 ^e	24,000 ^e
Mineral fuels and related materials:					
Natural gas thousand cubic meters	5,590,000	6,000,000	5,600,000	5,500,000	5,143,700
Natural gas plant liquids 42-gallon barrels	2,555,000	2,555,000	2,190,000	2,190,000 ^r	NA
Petroleum, crude	11,420,000	13,800,000	14,100,000	14,900,000	15,333,500
BELARUS					
Metals, steel:					
Crude thousand tons	1,412	1,449	1,623	1,611 ^r	1,607
Rolled do.	1,250	1,300	1,400	1,500	1,500
Pipes	50,831 ^r	41,052 ^r	37,947 ^r	42,400 ^r	76,700

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
BELARUS--Continued					
Industrial minerals:					
Cement thousand tons	2,035	2,100	1,847	1,803	2,171
Diamonds, synthetic ^c thousand carats	25,000	25,000	25,000	25,000	25,000
Nitrogen, N content of ammonia	685,000	765,000	730,000	725,000	760,000
Potash, K ₂ O equivalent thousand tons	3,451	4,553	3,786	3,700 ^r	3,800 ^e
Salt ⁵	355,200	343,243 ^r	309,937 ^r	301,000 ^r	304,000
Sulfur	20,000	20,000	20,000	20,000	20,000
Sulfuric acid	640	614 ^r	584 ^r	600 ^{r,e}	600 ^e
Mineral fuels and related materials:					
Natural gas million cubic meters	252	256	257	255	246
Peat:					
Horticultural use	107,000 ^r	308,000 ^r	191,000 ^r	200,000 ^{r,e}	200,000
Fuel use	2,035,000	3,090,000 ^e	3,786,000	1,997,000 ^r	2,202,000
Total	2,142,000 ^r	3,398,000 ^r	3,977,000 ^r	2,197,000 ^r	2,402,000
Petroleum:					
Crude thousand tons	1,830	1,840	1,851	1,852	1,846
Refined do.	11,539	11,486	13,528	13,346	15,247
GEORGIA					
Metals:					
Arsenic trioxide ^c	400	--	--	--	--
Copper, mine output, Cu content ^e	6,000	7,000	8,000	8,000	8,000
Gold kilograms	700 ^e	2,043	2,924	2,000 ^e	2,000 ^e
Iron and steel:					
Ferroalloys, electric furnace ^c :					
Ferromanganese	10,000	6,500	7,000	7,000	7,000
Silicomanganese	35,000	25,000	25,000	25,000	25,000
Total	45,000	31,500	32,000	32,000	32,000
Steel:					
Crude	56,400	7,000	5,000 ^r	5,000 ^r	5,000 ^e
Finished products, rolled	42,700	7,200	1,000	1,000	1,000 ^e
Lead, mine ^c	200	200	200	200	400
Manganese ore:					
Marketable, gross weight	16,000	47,900	59,100	70,000 ^e	80,000 ^e
Mn content ^e	4,700	14,100	17,400	20,700	23,600
Silver kilograms	NA	29,487	33,884	33,000	33,000 ^e
Zinc, mine output, Zn content ^c	200	200	200	200	200
Industrial minerals:					
Barite ^c	20,000	15,000	15,000	15,000	15,000
Cement	200,000	342,200	347,700	300,000	300,000 ^e
Clays, bentonite	11,000 ^e	9,891	7,084	7,000 ^e	7,000 ^e
Nitrogen, N content of ammonia	64,000	104,000	135,000	60,000	90,000
Zeolites	NA	NA	NA	NA	NA
Mineral fuels and related materials:					
Coal, bituminous	13,608	16,329	19,958	40,000 ^r	60,000
Natural gas thousand cubic meters	--	--	100,000	40,000 ^r	20,000
Petroleum:					
Crude	119,200	91,300	109,500	110,000	70,000
Refined	53,100	56,500	24,500	NA	NA
KAZAKHSTAN					
Metals:					
Aluminum:					
Alumina thousand tons	1,085	1,158	1,217	1,231 ^r	1,386
Bauxite	3,436,800	3,606,500	3,729,600	3,685,100 ^r	4,376,600
Arsenic trioxide ^c	1,500	1,500	1,500	1,500	1,500
Beryllium, metal ^c	100	100	100	100	100

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
KAZAKHSTAN--Continued					
Metals--Continued:					
Bismuth: ^c					
Mine output, Bi content	115	130	130	252 ^r	161
Metal, refined	50	55	55	130	130
Cadmium, metal	1,622	1,246	257	170	600 ^e
Chromite	1,602,700	2,405,600	2,606,600	2,045,700 ^r	2,369,400
Cobalt, mine output, Co content ^c	300	300	300	300	300
Copper:					
Mine output, Cu content	337,600	374,000 ^e	430,000 ^e	470,100	473,100
Metal:					
Smelter, undifferentiated	351,336	383,457	413,859	433,600 ^r	446,200
Refined, primary	324,900	361,889	394,722	425,700 ^r	453,000
Gold:					
Mine output, Au content kilograms	18,100 ^e	20,236	28,171	25,010 ^r	22,402
Metal, refined do.	8,900	9,655	11,529	15,226 ^r	10,959
Iron and steel:					
Iron ore:					
Marketable, gross weight	8,692,900	9,091,200	16,160,000	14,140,000	15,423,000
Fe content	4,900,000	5,200,000	9,200,000 ^e	8,000,000	8,700,000 ^e
Metal:					
Pig iron	2,594,000	3,438,082	4,000,000	3,906,500 ^r	4,089,100
Ferroalloys:					
Ferrochromium	535,000	731,563	799,762	761,900	835,800
Ferrochromiumsilicon	33,550	49,282	55,634	79,800	108,028
Ferromanganese	--	--	1,075	5,349 ^r	2,278
Ferrosilicon	92,000 ^e	140,263	133,269	145,800	127,300
Silicomanganese	57,000 ^e	78,495	102,719	141,200	164,000
Other ^c	8,000 ²	9,000	9,000	9,000	9,000
Total	725,550	1,008,603	1,101,459	1,143,049 ^r	1,246,406
Steel:					
Crude	3,089,000	4,116,000	4,770,000	4,691,000 ^r	4,868,000
Finished, rolled	2,519,000	3,186,000	3,700,000	3,700,000	3,800,000
Lead:					
Concentrate, Pb content	30,000	34,100 ^e	40,000	37,700	45,500
Refined, primary and secondary	118,632	160,000 ^e	185,800	177,489 ^r	183,805
Magnesium, metal, primary	9,000 ^e	11,031	10,380	16,000 ^e	18,000
Manganese ore:					
Gross weight	634,100	980,000	1,136,000	1,386,500	1,792,200
Mn content ^c	155,000	240,000	280,000	350,000	440,000
Molybdenum, concentrate, Mo content	100 ^e	155	215	225 ^e	230 ^e
Rhenium ^c kilograms	15,300	16,200	15,700	15,100	14,100
Silver do.	726,321	904,644	927,100	981,900	892,100
Titanium, sponge	12,000	8,767	8,280	14,000	14,000
Vanadium, ores, concentrates, slag, V content ^c	1,000	1,000	1,000	1,000	1,000
Zinc:					
Mine output, Zn content	224,300	288,300	325,000	344,300	392,400
Smelter, primary and secondary	240,728	249,327	262,200	277,100	286,300
Industrial minerals:					
Asbestos, all grades	155,400	139,300	233,200	271,300	291,100
Barite, concentrate	9,000	13,300	14,000 ^e	154,200 ^r	40,600
Boron ^c	30,000 ^r	30,000 ^r	30,000 ^r	30,000 ^r	30,000
Cement	600,000 ^e	837,800	1,175,000	2,029,200 ^r	2,129,400
Clay, kaolin ^c	60,000	70,000	70,000	70,000	70,000
Gypsum	NA	NA	NA	NA	710,700

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002	
KAZAKHSTAN--Continued						
Industrial minerals--Continued:						
Phosphate rock:^c						
Gross weight	100,000 ^r	68,000 ^{r, 2}	33,000 ^{r, 2}	97,000 ^r	132,000	
P ₂ O ₅ content	29,000	19,700	9,570	28,000 ^r	38,000	
Sulfur, byproduct:^c						
Metallurgy	212,000	245,000	300,000	300,000	300,000	
Natural gas and petroleum	933,000	1,070,000	1,200,000	1,400,000	1,800,000	
Total	1,150,000	1,320,000	1,500,000	1,700,000	2,100,000	
Mineral fuels and related materials:						
Coal	69,800,000	58,377,600	74,872,400	79,000,000	70,600,000	
Natural gas	thousand cubic meters	7,900,000	9,945,900	11,541,900	13,100,000	
Natural gas plant liquids	42-gallon barrels	18,250,000	27,010,000	39,420,000	34,310,000 ^r	NA
Petroleum:						
Crude in:						
Gravimetric units	25,900,000	30,100,000	35,300,000	39,700,000	42,066,700	
Volumetric units ^c	42-gallon barrels	190,000,000	221,000,000	260,000,000	292,000,000	309,000,000
Refinery products	8,000,000	7,205,000	9,198,000 ^r	NA	NA	
Uranium, concentrate:						
U content	1,074	1,367	1,740 ^r	2,050 ^r	2,665	
U ₃ O ₈ content	1,267	1,612	2,052	2,418	3,143	
KYRGYZSTAN						
Metals:						
Antimony:						
Mine output, Sb content ^c	150	100	150	150	150	
Metal and compounds	1,298	1,320	1,505	1,050 ^r	1,504	
Gold ^c	kilograms	22,000	20,000	22,000	24,000	18,000
Mercury:						
Mine output, Hg content ^c	250	300	257	300 ^r	250	
Metal	620	620	550	579	537	
Molybdenum ^c	225	250 ²	250	250	250	
Tin, mine output, Sn content ^c	250	250	300	300	300	
Industrial minerals:						
Cement	709,400	386,300	500,000	468,900 ^r	532,800	
Fluorspar, concentrate	3,200 ^e	2,997	3,000 ^e	1,175	2,750 ^e	
Kaolin	NA	NA	NA	NA	237,100	
Lime, dead-burned	8,400	7,500	8,200	9,400	9,300	
Rare earths:						
Concentrate, gross weight	8,590 ^e	11,878	14,900	7,700	700	
Rare-earth oxide equivalent:						
Compounds	691	956	NA	NA	NA	
Metals	6,355	5,159	7,736	3,800 ^e	100 ^e	
Mineral fuels and related materials:						
Coal	432,400	417,000	424,900	477,300	497,500	
Natural gas	million cubic meters	18	25	33	29	
Petroleum, crude	78,300	77,000	77,100	75,500	75,500	
MOLDOVA						
Metals, crude steel	718,000	796,000	909,000	966,000	900,000 ^e	
Industrial minerals:						
Cement	74,000	50,000	222,000	200,000 ^r	300,000	
Gypsum	19,800	18,500	32,100 ^r	32,000 ^{r, e}	32,000 ^e	
Lime	12,700	5,200	3,100	3,200	3,500	
Sand and gravel	248,300	317,700	276,400	306,600	300,000	
Mineral fuels and related materials, peat ^c	475,000	475,000	475,000	475,000	475,000	

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002	
RUSSIA						
Metals:						
Aluminum:						
Ore and concentrate:						
Alumina	thousand tons	2,465	2,657	2,850 ^e	3,046 ^r	3,131
Bauxite ^e		3,450,000	3,750,000	4,200,000	4,000,000	3,800,000
Nepheline concentrate, 25% to 30%		889,000	772,000	814,000	960,000	1,000,000
Metal, smelter, primary		3,004,728	3,146,232	3,245,000	3,300,000 ^e	3,347,413
Antimony, mine output, recoverable Sb content ^e		4,000	4,000	4,500	4,500	NA
Arsenic, white ^e		1,500	1,500	1,500	1,500	1,500
Beryllium, beryl, cobbled 10% to 20% BeO ^e		1,000	1,000	1,000	1,000	1,000
Bismuth: ^e						
Mine output, Bi content		35	50	50	50	50
Metal, refined		7	10	10	10	10
Cadmium, metal, smelter ^e		800	900	925 ²	950	950
Chromium, chrome ore, marketable		150,000	115,100	92,000	69,926	70,000 ^e
Cobalt: ^e						
Mine output, recoverable Co content		3,600 ^r	3,900 ^r	4,000 ^r	4,600 ^r	4,600
Metal, refined		4,000 ^r	4,300 ^r	4,400	5,000	5,100
Copper: ^e						
Ore, recoverable Cu content		500,000 ²	530,000	570,000	600,000 ^r	695,000
Metal:						
Blister:						
Primary		520,000 ^r	580,000 ^r	600,000 ^r	650,000 ^r	660,000
Secondary		80,000 ^r	158,000	220,000 ^r	245,000 ^r	200,000
Total		600,000 ^r	738,000 ^r	820,000 ^r	895,000 ^r	860,000
Refined:						
Primary		543,000	600,000	620,000 ^r	650,000	670,000
Secondary		77,000	160,000 ^r	220,000 ^r	245,000 ^r	200,000
Total		620,000	760,000 ^r	840,000 ^r	895,000 ^r	870,000
Gold, mine output, Au content ^e	kilograms	114,900 ^r	125,870 ^r	142,738 ^r	152,500 ^r	158,000
Iron and steel:						
Iron ore:						
Gross weight		72,343,000	81,311,000	86,630,000	82,500,000 ^{r,e}	84,236,000
Fe content, 55% to 63%		41,700,000	46,900,000	50,000,000	48,000,000 ^e	49,000,000 ^e
Metal:						
Pig iron		34,827,000	40,854,200	44,618,100	44,980,000	46,060,000
Direct-reduced iron		1,550,000	1,880,000	2,000,000	1,900,000	2,000,000 ^e
Ferroalloys: ^e						
Blast furnace:						
Ferromanganese		65,000 ²	90,000	70,700	70,700	80,000
Ferrophosphorus		3,500	3,500	3,500	3,500	3,500
Spiegeleisen		7,000	7,000	7,000	7,000	7,000
Electric furnace:						
Ferrochromium		203,000 ²	249,000 ²	274,000 ²	210,600 ²	210,000
Ferrochromiumsilicon		4,000	4,500	4,500	4,000	4,000
Ferronickel		30,000	33,000	35,000	30,000	30,000
Ferrosilicon		496,000 ²	601,000 ²	652,000 ²	707,100 ²	701,000
Silicon metal		40,000	40,000	40,000	40,000	40,000
Other		40,000	40,000	40,000	35,000	30,000
Total		889,000	1,070,000	1,130,000	1,110,000	1,110,000
Steel:						
Crude		43,821,800	51,524,100	59,097,500	59,030,000 ^r	59,777,000
Finished, rolled		35,134,000	40,900,000	46,900,000	47,100,000	48,700,000
Pipe		2,816,000	3,004,000	4,385,000	5,409,900 ^r	5,115,200

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
RUSSIA--Continued					
Metals--Continued:					
Lead:					
Mine output, recoverable Pb content	13,000	13,000	13,300	12,300 ^e	13,500 ^e
Metal, refined, primary and secondary ^c	36,000	62,000	59,000	67,500	60,350
Magnesium: ^e					
Magnesite	851,845 ²	900,000	1,000,000	1,000,000 ^r	1,000,000
Metal, including secondary	41,500 ²	45,000	45,000	48,000 ^r	50,000
Manganese ore: ^e					
Gross weight	105,000	110,000	115,000	115,000	115,000
Mn content	21,000	22,000	23,000	23,000	23,000
Mercury, mine output, Hg content ^c	50	50	50	50	50
Molybdenum ^c	2,000	2,400	2,400	2,600	2,900
Nickel: ^e					
Mine output, recoverable Ni content	290,000	300,000	315,000	325,000	310,000
Matte	98	114	517	97	88
Nickel products:					
Ferronickel	8,000	9,000	7,000	8,000	8,000
Metal	203,000	215,000	225,000	230,000	219,000
Oxide sinter	14,000	12,000	14,000	12,000	10,000
Chemicals	2,000	2,000	2,000	2,000	2,000
Total	227,000	238,000	248,000	252,000	239,000
Platinum-group metals: ^e					
Platinum kilograms	30,000	32,000	34,000 ^r	35,000	34,000
Palladium do.	70,000	75,000	71,000 ^r	72,000 ^r	69,000
Other do.	13,500	13,700	14,100	14,500	14,500
Total do.	114,000	121,000	119,000 ^r	122,000 ^r	118,000
Rhenium ^c do.	900	1,100	1,100	1,200	1,400
Silver, mine output, Ag content ^c do.	350,000	375,000	370,000	380,000	400,000
Tin: ^e					
Mine output, recoverable Sn content	4,500	4,500	5,000	4,500	2,900
Metal, smelter:					
Primary	3,000	3,400	3,700 ^r	3,100 ^r	3,150
Secondary	500	400	500	500	500
Total	3,500	3,800	4,200 ^r	3,600 ^r	3,650
Titanium sponge ^c	22,000	22,000	23,000	23,000	23,000
Tungsten, concentrate, W content ^c	3,000	3,500	3,500	3,500 ^r	3,400
Vanadium, metal ^c	7,000 ^r	7,000 ^r	7,000 ^r	8,000 ^r	8,000
Zinc: ^e					
Mine output, recoverable Zn content	115,000	132,000 ²	136,000 ²	124,000	130,000
Metal, smelter, primary and secondary	192,000	221,000	230,000	237,000	244,000
Zirconium, baddeleyite concentrate, averaging 98% ZrO ₂	6,293	6,800	6,500 ^e	6,500 ^e	6,500 ^e
Industrial minerals:					
Asbestos, grades I-VI ^c	600,000	675,000	750,000	750,000	750,000
Barite ^c	60,000	60,000	60,000	60,000	60,000
Boron ^c	1,000,000 ^r	1,000,000 ^r	1,000,000 ^r	1,000,000 ^r	1,000,000
Cement, hydraulic	26,000,000	28,400,000	32,400,000	35,300,000 ^r	37,700,000
Clays, kaolin concentrate	50,000	40,600	45,000	45,000 ^e	45,000 ^e
Diamond: ^e					
Gem carats	11,600,000	11,500,000	11,600,000	11,600,000	11,500,000
Industrial do.	11,600,000	11,500,000	11,600,000	11,600,000	11,500,000
Synthetic do.	80,000,000	80,000,000	80,000,000	80,000,000	80,000,000
Total do.	103,000,000	103,000,000	103,000,000	103,000,000	103,000,000
Feldspar ^c	40,000	45,000	45,000	45,000	45,000
Fluorspar, concentrate, 55% to 96.4% CaF ₂	120,200	153,800	187,600	190,000 ^e	200,000 ^e

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
TAJKISTAN--Continued					
Industrial minerals:					
Cement	17,700	30,000	50,000	70,000	100,000
Fluorspar ^e	9,000	9,000	9,000	9,000	9,000
Gypsum ^e	31,700	35,000	35,000	35,000	35,000
Nitrogen, N content of ammonia ^e	10,000	10,000	15,000 ^r	5,000 ^r	15,000
Mineral fuels and related materials:					
Coal	16,000	16,600	20,700	20,000	40,000
Natural gas thousand cubic meters	32,400	40,000	40,000	50,000	30,000
Petroleum, crude	19,400	20,000 ^e	20,000 ^{r, e}	20,000	20,000
TURKMENISTAN					
Industrial minerals:					
Bentonite ^e	50,000	50,000	50,000	50,000	50,000
Bentonite powder ^e	250	250	250	250	250
Bischofite ^e	90	100	90	100	100
Bromine ^e kilograms	150,000	150,000	150,000	150,000	150,000
Cement ^e	450,000	450,000	450,000	450,000	450,000
Epsomite	NA	NA	NA	NA	NA
Ferrous bromide, 51% Br ^e	80	85	85	85	85
Gypsum ^e	100,000	100,000	100,000	100,000	100,000
Iodine ^e	90,000	150,000	200,000 ^r	200,000 ^r	200,000
Lime ^e	15,000 ²	16,000	16,000	16,000	16,000
Nitrogen, N content of ammonia ^e	75,000	75,000	75,000	75,000	75,000
Salt ^e	215,000	215,000	215,000	215,000	215,000
Sodium sulfate ^e	55,000	60,000	60,000	60,000	60,000
Sulfur ^e	9,000	9,000	9,000	9,000	9,000
Mineral fuels and related materials:					
Natural gas million cubic meters	14,000	22,800	47,000	46,300	53,000
Natural gas plant liquids 42-gallon barrels	6,205,000	6,205,000	5,840,000	4,380,000 ^r	NA
Petroleum, crude ^e	6,500,000	7,800,000	7,350,000	7,900,000	9,000,000
UKRAINE					
Metals:					
Alumina	1,291	1,230	1,360	1,343 ^r	1,351
Aluminum:					
Primary	106,700	115,425	104,000 ^r	106,000 ^r	112,000 ^e
Secondary	71,164	110,940	128,952	130,000	130,000
Total	177,864	226,365	232,952 ^r	236,000 ^r	242,000
Cadmium, metal ^e	25	25	25	25	25
Germanium ^e	22	22	NA	NA	NA
Iron and steel:					
Iron ore:					
Marketable, gross weight	50,758,000	47,769,100	55,883,200	54,650,000	58,900,000
Fe content	28,000,000	26,200,000	30,600,000 ^e	30,000,000 ^e	32,300,000 ^e
Metal:					
Pig iron	20,840,000	21,937,000	25,700,000	26,400,000	27,560,000
Ferroalloys:					
Blast furnace^e:					
Ferromanganese	112,400 ²	57,800	85,400	85,000	85,000
Spiegeleisen	2,500	2,500	5,400	5,000	5,000
Electric furnace:					
Ferromanganese	150,000 ^e	199,539	252,679	250,000	250,000 ^e
Ferronickel ^e	--	--	10,800	41,000	41,000
Ferrosilicon	222,511	243,600	323,417	325,000	325,000 ^e
Silicomanganese	485,560	498,905	684,040	685,000	685,000 ^e
Other ^e	20,000	25,000	25,000	25,000	25,000
Total	992,971	1,027,344	1,386,736 ^r	1,416,000 ^r	1,420,000 ^e

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
UKRAINE--Continued					
Metals--Continued:					
Iron and steel--Continued:					
Metal--Continued:					
Steel:					
Crude	23,461,000	27,390,000	31,780,000	33,110,000	34,538,000
Finished, rolled	17,776,000	19,300,000	22,500,000	25,300,000	26,400,000
Pipe	1,519,300	1,175,000	1,670,000	1,600,000	1,522,700
Lead, refined, secondary	9,000 ^e	9,902	15,034	12,000 ^e	15,000 ^e
Magnesium, primary	5,043	3	3 ^e	3 ^e	3 ^e
Manganese:					
Marketable ore	2,226,000	1,984,800	2,740,600	2,700,100	2,736,000
Mn content ^e	755,000	675,000	930,000	930,000	940,000
Mercury ^e	20	NA	NA	-- ^r	NA
Nickel, mine output, Ni content of ore	--	--	--	1,500	--
Silicon ^e	1,000	1,000	NA	NA	NA
Titanium:					
Ilmenite concentrate:					
Gross weight	507,435	536,542	576,749	650,000 ^r	670,000 ^e
TiO ₂ content, 42%	213,123	225,348	242,235	273,000	281,400
Rutile concentrate:					
Gross weight	50,000	49,000	58,600	60,000	70,000
TiO ₂ content, 95%	47,500	46,550	55,670	57,000	66,500
Metal sponge ^e	4,000	4,000	4,000	6,100	6,200
Zirconium concentrates ^e	25,000 ^r	25,000 ^r	30,000 ^r	33,600 ^r	34,300
Industrial minerals:					
Bromine ^e	thousand kilograms	3,000	3,000	3,000	3,000
Cement	5,591,200	5,828,100	5,311,400	5,800,000 ^r	7,142,000
Clays: ^e					
Bentonite	300,000	300,000	300,000	300,000	300,000
Kaolin	201,670 ²	221,526 ²	225,000	225,000	225,000
Diamond, synthetic ^e	carats	8,000,000	8,000,000	8,000,000	8,000,000
Graphite	5,104	7,461	7,431	7,500 ^e	7,500 ^e
Nitrogen, N content of ammonia	3,300,000	3,711,000	3,577,000	3,700,000	3,700,000
Potash, K ₂ O equivalent ^e	35,000	50,000	85,000	75,000	60,000
Salt, rock	2,500,000 ^e	2,185,300	2,286,500	2,300,000 ^e	2,300,000 ^e
Soda ash ^e	390,000	460,000 ²	500,000	650,000	678,000
Sulfur, native ^e	97,000 ²	80,000	80,000	80,000	80,000
Mineral fuels and related materials:					
Coal:					
Anthracite	thousand tons	16,700 ^r	17,850 ^r	17,790 ^r	15,000
Bituminous	do.	59,067 ^r	63,396 ^r	63,050 ^r	66,400
Lignite	do.	1,409	1,184	1,067	1,000 ^r
Total ⁸	do.	77,176 ^r	82,430 ^r	81,907 ^r	82,400
Coke	13,956,700	17,309,700	19,362,600	19,500,000	18,596,000
Natural gas	thousand cubic meters	17,967,000	18,092,100	17,847,100	18,200,000
Natural gas plant liquids	42-gallon barrels	9,125,000	8,395,000	5,110,000	5,000,000
Peat, fuel use ^e	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Petroleum:					
Crude:					
As reported	gravimetric tons	3,894,800	3,797,900	3,692,900	3,700,000
Converted ^e	42-gallon barrels	28,600,000	27,900,000	27,200,000	27,200,000
Refinery products	13,510,000	13,800,000	10,424,400 ^r	NA	NA
Uranium, concentrate:					
U content ^e	500	500	600 ²	750 ^r	800
U ₃ O ₈ content	590	590	708	884	943

See footnotes at end of table.

TABLE 1--Continued
COMMONWEALTH OF INDEPENDENT STATES: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons unless otherwise specified)

Country and commodity	1998	1999	2000	2001	2002
UZBEKISTAN					
Metals:					
Aluminum, secondary	2,500	1,900	1,500	3,000	3,000
Copper: ^e					
Mine output, Cu content	65,000 ²	60,000	65,000	65,000	65,000
Metal:					
Blister:					
Primary	89,930 ²	72,000	75,000	75,000	50,000
Secondary	5,000	5,000	5,000	5,000	5,000
Total	94,930 ²	77,000	80,000	80,000	55,000
Refined:					
Primary	89,930 ²	72,000	75,000	75,000	75,000
Secondary	5,000	5,000	5,000	5,000	5,000
Total	94,930 ²	77,000	80,000	80,000	80,000
Gold kilograms	85,000 ^{r,e}	88,700 ^r	89,900 ^r	80,000 ^{r,e}	80,000 ^e
Molybdenum, mine output, Mo content ^e	500	500	500	500	500
Rhenium ^e kilograms	NA	NA	NA	NA	NA
Silver, mine output do.	85,000 ^e	88,700	89,900	80,000 ^e	80,000 ^e
Steel:					
Crude	344,000	343,000 ^e	420,000	460,000	450,000 ^e
Rolled	322,000	300,000	400,000	430,000	420,000 ^e
Tungsten, mine output, W content ^e	200	--	--	--	--
Zinc, metal, smelter, primary ^e	52,000	27,000	18,000	20,000	20,000
Industrial minerals:					
Cement	3,400,000 ^e	4,471,000	3,521,000	4,000,000 ^e	4,000,000 ^e
Clays, kaolin ^e	5,500,000	5,500,000	5,333,000 ³	5,500,000	5,500,000
Feldspar	NA	300	4,300	4,300 ^e	4,300 ^e
Fluorspar ^e	80,000	--	--	--	--
Graphite ^e	60	60	60	60	60
Iodine ^e kilograms	500	2,000	2,000	2,000	2,000
Mineral fertilizers	976,000	900,000	800,000	NA	NA
Nitrogen, N content of ammonia	875,000	790,000	810,000	670,000	740,000
Phosphate rock: ^e					
Gross weight	100,000	150,000	150,000 ^r	200,000 ^r	200,000
P ₂ O ₅ content	17,000	25,000	25,000	33,000	33,000
Sulfur, byproduct: ^e					
Metallurgy	170,000 ²	175,000	160,000	160,000	160,000
Natural gas and petroleum	275,000 ²	280,000	285,000	300,000	300,000
Total	445,000 ²	455,000	445,000	460,000	460,000
Mineral fuels and related materials:					
Coal	2,950,000	3,033,000	2,556,000	2,800,000 ^r	2,735,000
Natural gas million cubic meters	54,800	55,000	55,600	56,350	57,670
Natural gas plant liquids 42-gallon barrels	16,425,000	16,425,000	21,900,000	25,185,000 ^r	NA
Petroleum and gas condensate	8,100,000	8,100,000	4,650,100 ^r	7,176,000 ^r	7,198,000
Uranium, mine output:					
U content	2,000	2,130 ^r	2,350	1,962 ^r	1,860
U ₃ O ₈ content	2,359	2,512	2,771	2,314	2,193

^eEstimated; estimated data are rounded to no more than three significant digits; may not add to totals shown. ^rRevised. NA Not available. -- Zero.

¹Table includes data available through March 2004.

²Reported figure.

³For some metals, including copper, gold, lead, molybdenum, silver, and zinc, and for a number of industrial minerals that Azerbaijan produced, information was not sufficient to derive production estimates or to determine if production had ceased.

⁴Less than 1/2 unit.

⁵Includes byproduct salt from potash production.

⁶Not distributed by type and, therefore, not suitable for conversion to volumetric units. Data include all energy and nonenergy products but exclude losses.

⁷Tajikistan produces a number of other mineral commodities not listed in the table for which information is inadequate to derive estimates.

⁸The totals for coal--sum of anthracite, bituminous, lignite--are slightly at variance with other reported total coal production numbers.

TABLE 2
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
ARMENIA			
Aluminum, rolled and foil	Kanaker aluminum plant	K'anak'err	25,000
Copper:			
Mine output, Cu content	Agarak copper-molybdenum mining and processing complex Kapan mining directorate Zangezur copper-molybdenum complex mining Kadzharan deposit Not in operation: Akht'ala mining directorate Shamlugh mining directorate	Agarak Kapan Kadzharan Akht'ala Shamlugh	30,000 ⁴
Blister	Manes and Vallex joint stock company	Alaverdi	15,000
Diamond, cut stones	Aghavni diamond-cutting works	Nor Geghi	NA
Do.	Amma group diamond-cutting works	Artashat	NA
Do.	Andranik diamond-cutting works	Nor Hachyn	NA
Do.	Diamond Company of Armenia (DCA)	Yerevan	NA
Do.	Lori diamond-cutting works	Nor Hachyn	NA
Do.	Lusampor	Melik'gyugh	NA
Do.	Punji diamond-cutting works	Yerevan	NA
Do.	Sapphire diamond-cutting works	Nor Hachyn	NA
Do.	thousand carats Shoghakan gem-cutting plant	do.	120
Gold kilograms	Zod mining complex (mining ceased in 1997)	Zod	2,000
Do.	do. Ararat gold processing-tailings recovery plant	Ararat	1,000
Do.	Megradzor deposit (mining ceased in 1997)	Megradzor	NA
Do.	Lichkvazkoye, Shaumyanskiy Rayon, Sotkskoye, Terterasarskoye deposits	NA	NA
Iron ore	Hrazdan deposit	Sulagyan Mountains	NA
Molybdenum, mine output, Mo content	Zangezur copper-molybdenum complex, mining Kadzharan deposit	Kadzharan	20,400
Do.	Agarak copper-molybdenum mining and processing complex	Agarak	2,000
Perlite thousand tons	Aragats-Perlite mining and beneficiation complex	Aragats deposit	1,110
Zinc, mine output, Zn content	Kapan mining directorate	Kapan	NA
AZERBAIJAN			
Aluminum thousand tons	Sumgait smelter	Sumqayit	150
Alumina	Gyandzha refinery	Ganca	100,000
Alunite ore	Zaglik alunite mining directorate	Zaglik	600,000
Arsenic	NA	Dzhul'finskiy region	NA
Barite	NA	Khanlarskiy region	NA
Cement	Karadagly cement plant Tauz cement plant	Karadagly Tauz Region	1,000,000 ⁴
Clay, bentonite	Dash-Salakhlienskoye deposit	Kazakhskiy region	1,000,000
Copper	Karadaskiy complex	Shamkhorskiy region	30,000
Copper, byproduct gold and silver	Kedabekskiy Rayon deposit	NA	NA
Copper, gold, iron, lead, sulfur, zinc	Katehskoye, Katsdagkoye, Khikhinskoye deposits	Sheki-Belokanskiy zone, southern Caucasus	NA
Dolomite	NA	Nakhichevan region	NA
Iodine and bromine	Baku, Karadagly, Neftechala plants	Process oil well brines at plants in Baku, Karadagly, Neftechala	NA
Iron ore, marketable	Dashkasan mining directorate	Dashkasan region	1,400,000
Lead-zinc ore	NA	Ordubadskiy and Norashenskiy regions	NA
Limestone	NA	Dashkasan region	NA
Molybdenum	NA	Ordubadskiy region	NA
Natural gas, processing	Karadagly plant	Near Baku	NA

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity		Major operating companies or deposits	Location or deposit name	Annual capacity ^c
AZERBAIJAN--Continued				
Petroleum and natural gas: ⁵				
Crude petroleum and gas condensate		State Oil Company of Azerbaijan (SOCAR) for natural gas production	Production from 37 onshore deposits, which includes deposits on the Ashperon Peninsula and in the Izhnekurin Valley	3,000,000 ⁴
Do.		do.	Production from 17 offshore fields with more than 45% of natural gas produced from the Bakharly field and more than 50% of crude petroleum produced from the Guneshli field	12,000,000 ⁴
Do.		Azerbaijan International Operating Company (AIOC) for oil production	Azeri, Chirag-1, Guneshli offshore fields	7,000,000 ⁴
Do.		Alov, Araz, Khazar, Kyapaz-Serdar, Osman, Sharg offshore fields	Caspian Sea	NA
Natural gas	million cubic meters	State Oil Company of Azerbaijan (SOCAR) for natural gas production	Production from 37 onshore deposits, which includes deposits on the Ashperon Peninsula and in the Izhnekurin Valley and from 17 offshore fields with more than 45% of natural gas produced from the Bakharly field and more than 50% of crude petroleum produced from the Guneshli field	6,000 ⁴
Do.		NA	Gunesli, Nakhchyvan, Shah-Deniz offshore fields	NA
Petroleum, refined	24-gallon barrels	Azernefteyag (formerly Baku) refinery	Baku	83,950,000 ⁶
Do.		do.	do.	77,380,000 ⁶
Do.		Azernefteyagandzhah (formerly Novo-Baku) refinery	do.	77,380,000 ⁶
Pyrite polymetallic		NA	Filizchayskiy deposit	NA
Steel:				
Crude		Azerboru production amalgamation	Sumqayit	800,000
Rolled		do.	do.	700,000
Pipe, tubes		do.	do.	540,000
Stones, facing		Buzgovskiy and Shakhtakhtinskiy deposits	NA	NA
Sulfur pyrites		NA	Khanlarskiy region	NA
Travertine		NA	Nakhichevan region	NA
BELARUS				
Cement		Krichevskiy and Volkovysk plants	Mahilyowskaya and Wawkavysk Oblasts'	2,200,000
Diamond		Kristall plant	Homyel'skaya Oblasts'	NA
Nitrogen, N content of ammonia		Grodno "Azot" Association	Hrodna region	1,000,000
Peat, fuel use		Production at 37 enterprises producing mainly briquets	All regions of country	5,000,000 ⁷
Petroleum:				
Crude		Belarusneft Association	Southeastern part of country	2,000,000
Refined		Mazyr refinery	Mazyr	16,000,000 ⁸
Do.		Naftan refinery	Navapolatsk	8,450,000 ⁸
Potash, K ₂ O equivalent		Belaruskaliy Association	Salihorsk area	5,000,000
Steel:				
Crude		Belarus electric steelworks	Zhlobin	1,400,000
Pipe		Mahilyow metallurgical works	Mahilyowskaya Oblasts'	80,000
GEORGIA				
Arsenic:				
As content of ore		Lukhumi deposit Tsana deposit	Racha Svanetiya	2,000 ⁴
Metal and compounds		Racha mining and chemical plant	Racha	NA
Do.		Tsana mining and chemical plant	Ts'ana	NA
Barite		Chordskoye deposit	Onis Raioni (Onskiy Rayon)	70,000
Do.		NA	Madneuli deposit	NA
Barite-zinc		NA	Kvaisinskiy deposit	NA

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
GEORGIA--Continued			
Bentonite	Gumbrskoye and Askanskoye deposits	Gumbra, Askana regions	200,000 ⁴
Cement	Rust'avi cement plant	Rust'avi	1,500,000
Coal	Tkibuli-Shaorskoye, Tkvarchelskoye deposits	Akhalt's'ikhis Raioni, Tqibuli, Tqvrach'eli regions	300,000 ⁴
Copper, Cu content of ore	Madneuli complex	Marneulis Raioni	12,000
Diatomite	Kisatibskoye deposit	K'isat'ibi region	150,000
Ferroalloys:			
Ferromanganese	Zestafoni plant	Zestap'onis Raioni	100,000
Silicomanganese	do.	do.	250,000
Manganese sinter	do.	do.	250,000
Gold	Georgian-Austrian joint venture Quartzite	Madneuli deposit	3
Lead-zinc:			
Pb content of ore	Kvaisi deposit	Kvaisi	1,200
Zn content of ore	do.	do.	3,000
Manganese, marketable ore	Chiaturmarganets complex	Chiat'ura-Sach'kheris Raioni field	200,000
Petroleum:			
Crude	About 60 wells accounting for 98% of output	Mirzaani, Sup'sa, Zemo T'elet'i regions	200,000 ⁴
Refined	Batumi refinery	Bat'umi	NA
Steel, crude	Rust'avi steel mill	Rust'avi	1,400,000
KAZAKHSTAN			
Alumina	Pavlodar aluminum plant	Pavlodar	1,250,000
Arsenic trioxide	Chimkent polymetallic enterprise and other nonferrous metallurgical enterprises	Shymkent	3,500
Asbestos	Dzhetygara complex	Qostanay	1,000,000 ⁴
Barite	Chilisay complex	Aqtobe phosphorite basin	300,000 ⁴
	Karagaylinskiy and Zhayrem mining and beneficiation complexes	Karagayly, Zhayrem deposit	
	Tujuk Mine	Almaty	
Bauxite	Achisay polymetallic complex	Kentau region	4,000,000
	Turgayskiy and Krasnooktyabrskiy bauxite mining complexes	Central Kazakhstan	
Beryllium, metal	Ul'ba metallurgical plant	Oskemen	NA
Bismuth, metal	Facilities:		70 ⁴
	Ust-Kamenogorsk lead-zinc metallurgical plant	Oskemen	
Do.	Leninogorsk lead smelter	Leninogorsk	
Do.	Chimkent refinery	Shymkent	20
Cadmium	do.	do.	10
Do.	Leninogorsk mining and beneficiation complex	Leninogorsk	1,200
Chromite, mine output:			
Cr ₂ O ₃ content (50.3%)	Donskoy GOK mining and beneficiation complex	Near Khromtau, Kempirsai region	5,000,000
Cr ₂ O ₃ content (50%)	do.	Ten Years of Independence Mine	4,000,000
Coal	Karaganda Basin	Central and north-central parts of the country	50,000,000
Do.	Ekibastuz Basin	do.	85,000,000
Do.	Maykuben Basin	do.	10,000,000
Do.	Turgay Basin	do.	1,000,000
Copper:			
Mining, recoverable, Cu content	Irtys	Ertis region	10,000
Do.	Leninogorsk	Leninogorsk region	15,000
Do.	Zyryanovsk mining and beneficiation complexes	Zyryanovsk region	5,000
Kazakhmys (OJSC):			
Do.	Balkhash mining and metallurgical complex	Zhezkazgan region	200,000
Do.	East Kazakhstan copper-chemical complex	East Kazakhstan region	12,000
Do.	Zhezkent mining and metallurgical enterprise	Zhezkent region	25,000
Do.	Zhezkazgan mining and metallurgical enterprise	Zhezkazgan region	250,000

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
KAZAKHSTAN--Continued			
Copper--Continued:			
Mining, gross weight of ore	Kazakhmys (OJSC) deposits:		37,400,000 ⁴
	Jalimambet, Kounrad, Sayak-1, Tastau, Zhezkazgan, Zhilandy	Central Kazakhstan	
	Shatyrkol' (Cu-Mo)	South Kazakhstan	
	Artemovskoye, Belousovskoye-Irtyshskoe, Nikolayevskoe, Orlovskoye, Shemonaikhinkoe, Yubileynoye-Snigirikhaskoe	East Kazakhstan	
	Kazakhmys (OJSC) mines:		
Do.	Annenskiy Mine	Annenskiy deposit	4,000,000
Do.	73/75 Mine	NA	2,000,000
Do.	Itauz open pit	Zhilandy deposit	2,000,000
Metal:			
Blister	Ust-Kamenogorsk plant	Oskemen	37,100
	Kazakhmys (OJSC):		
Cathode	Balkhash mining and metallurgical complex	Zhezkazgan region	110,000
Do.	Zhezkazgan mining and metallurgical enterprise	do.	250,000
Metallurgy	Balkhash mining and metallurgical complex	do.	150,000
Do.	Zhezkazgan mining and metallurgical enterprise	do.	250,000
Do.	Irtysh smelting and refining complex	Ertis region	40,000
Refined	Ust-Kamenogorsk plant	Oskemen	6,600
Ferroalloys:			
Ferrochrome:			
High-carbon 60%	Aktybinsk plant	Aqtobe	200,000
Medium-carbon 60%	do.	do.	200,000
Do.	Aksu plant	Aksu	200,000
Ferrosilicon	do.	do.	700,000
Ferrosilicochrome	do.	do.	700,000
Ferrochrome, high-carbon	do.	do.	500,000
Silicomanganese	do.	do.	90,000
Gallium	Pavlodar aluminum plant	Pavlodar	NA
Gold	Byproduct of polymetallic ores and native gold mining	Byproduct gold colocated with nonferrous metals mining	30
Iron and steel:			
Pig iron	Ispat-Karmet Steelworks	Karaganda	5,000,000
Steel, crude	do.	do.	6,300,000
Iron ore, marketable	Lisakovskiy and Sokolovsko-Sarbay mining and metallurgical complexes	Qostanay	25,000,000
Lead:			
Mining, recoverable Pb content of ore	Achisay	Karatau and Kentau regions	40,000 ⁴
Do.	Akchatau	Zhezkazgan region	10,000
Do.	Irtysh	Oskemen region	10,000
Do.	Karagayly	Karagayly region	20,000
Do.	Zhezkent	Semey region	NA
Do.	Sary-Arkapolimetal	Zhayrang region	20,000
Do.	East Kazakhstan copper-chemical complex	East Kazakhstan region	NA
	KazZinc (JSC):		
Do.	Leninogorsk mining-metallurgical complex	Leninogorsk region	60,000
Do.	Tekeli lead-zinc mining complex	Taldyqorghan and Tekeli regions	15,000 ⁴
Do.	Zyryanovsk lead-zinc complex	Zyryanovsk region	20,000
Refined	Ust-Kamenogorsk metallurgical plant	Oskemen	145,000
Do.	Leninogorsk mining-metallurgical complex	Leninogorsk region	30,000
Do.	Chimkent refinery	Shymkent	160,000
Magnesium, metal	Ust-Kamenogorsk titanium-magnesium plant	Oskemen	20,000

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c	
KAZAKHSTAN--Continued				
Manganese, crude ore	Atasurda Kazakmarganets Sary-Arkapolimetal	Atasu Zhezdy Zhayrang region	2,550,000 ⁴	
Molybdenum:				
Mining, recoverable content of ore	Balkhash complex Karaobinskoye deposit Sayak deposit	Kounrad Mine Karaoba region Sayaq (Sayak) region	6,000 ⁴	
Metal	Akchatau molybdenum metal plant	Zhezkazgan region	NA	
Natural gas	million cubic meters	Aktubinskunaigaz Embamunaigaz Hurricane Kumkol Munai Karachaganak field Mangistaumunaigaz Tengizchevroil joint venture do. do. Agip Kazakhstan North Caspian Operating Company (AGip KCO) Uzenmunaigaz	Aqtobe Emba District Aral Sea region Northwestern Kazakhstan Mangghyshlaq Peninsula Tengiz deposit Zhanazhol deposit Urikhtau deposit Kashagana offshore field Uzen deposit	12,000 ⁴
Petroleum:				
Crude	Aktubinskunaigaz Embamunaigaz Hurricane Kumkol Munai Karachaganak Integrated Organization (KIO) Mangistaumunaigaz Uzenmunaigaz	Aqtobe Emba District Aral Sea region Karachaganak field Mangghyshlaq Peninsula Uzen deposit	32,000,000 ⁴	
Do.	Alibekmola, Ayrankul, Chinarevskoye, Kozhasay, North Buzachi, Sazankurak, Saityube, Urikhtau deposits	NA	NA	
Do.	24-gallon barrels per day	Tengizchevroil joint venture	Tengiz deposit (peak production by 2010)	750,000
Do.	do.	Agip Kazakhstan North Caspian Operating Company (AGip KCO)	Kashagana offshore field	100,000
Refined, crude oil throughput	do.	Atyrau, Pavlodar, Shymkent refineries	Atyrau, Pavlodar, Shymkent, respectively	427,000 ⁴
Phosphate rock	Chilisay mining directorate Karatau production association	Aqtobe phosphorite basin Shymkent and Zhambyl regions	10,000,000 ⁴	
Rare metals (columbium, indium, selenium, tellurium)	Aktau complex	Aktau	NA	
Do.	Belogorsky rare-metals plant	Belogorskiy	NA	
Do.	Chimkent polymetallic plant	Shymkent	NA	
Do.	Ust-Kamenogorsk lead-zinc plant	Oskemen	NA	
Do.	Akchatau mining and beneficiation complex	Zhezkazgan region	NA	
Rhenium	Balkhash copper mining-metallurgical complex	do.	NA	
Silver, refined	Chimkent metallurgical plants Leninogorsk Ust-Kamenogorsk	Shymkent Leninogorsk Zhezkazgan region	800 ⁴	
Tantalum	Yernak ferroalloy plant	Aksu	NA	
Tin	Akchatau mining and beneficiation complex	Akzhaik deposit, Zhezkazgan region	700	
Titanium, metal	Ust-Kamenogorsk titanium-magnesium plant	Oskemen	35,000	
Uranium, U content	Prikaspiskiy ore-enrichment center Shevchenko Stepnogorsk Taboshara Tselinny chemical complex	Aqtau do. Stepnogorsk Taboshara Stepnogorsk	3,500 ⁴	

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
KAZAKHSTAN--Continued			
Zinc:			
Kazakhmys (OJSC):			
Concentrates	East Kazakhstan copper-chemical complex	East Kazakhstan region	50,000
Do.	Zhezkent mining and metallurgical enterprise	Zhezkent region	25,000
Ore	Tishinskiy deposit		NA
KazZinc (JSC):			
Do.	Tekeli lead-zinc mining complex	Taldyqorghhan and Tekeli regions	30,000 ⁴
Metal	Leninogorsk mining and metallurgical complex	Leninogorsk	107,000 ⁹
Do.	Ust'-Kamenogorsk metallurgical plant	Oskemen	160,000 ⁹
KYRGYZSTAN			
Antimony:			
Sb content of ore	Kadamzhai and Khaidarkan complexes	Kadamzhaiskiy Rayon, Khaidarkan region	2,400 ⁴
Ore	Kadamzhai beneficiation plant	Kadamzhai deposit	200,000
Do.	Terek-Sayskiy beneficiation plant	Terek-Sayskiy deposit	60,000
Metal and compounds	Kadamzhai metallurgical facility	Kadamzhaiskiy Rayon	28,000
Antimony-fluorspar-mercury	Khaidarkan mining and metallurgical complex	Chauvi-Chonkoy-Khaidarkan deposit	NA
Cement	Kantskiy cement plant	Kant	1,500,000
Coal	Seven underground mines, five open pits includes deposits: Almalyk, Dzhergalan, Kara-Kiche, Kok-Yangak, Kyzyl-Kiya, Sulyukta, Tashkumyr	Southwestern, central, northeastern parts of the country	2,200,000 ⁴
Fluorspar, concentrate	Khaidarkan mining and metallurgical complex	Khaidarkan deposit	5,000
Gold:			
Au content of ore	Makmalzoloto	Makmal deposit	3
Do.	Kumtor Gold Company	Kumtor deposit	22
Do.	kilograms Solton-Sary Mine	Naryn	500
Do.	Taldybulak Levoberezhny deposit	NA	NA
Au content of ore, open pit	Kyrgyzaltyn-Noroks Mining Company JV	Dzher-Uy deposit	650,000
Au content of ore, underground	do.	do.	350,000
Refined	Kara-Balta refinery	Chuskaya Oblast'	22
Mercury:			
Hg content of ore	Khaidarkan mining and metallurgical complex	Bol'shoy Khaidarkan, Chauvi, Chonkoy, Khaidarkan, Novoye deposits	700 ⁴
Metal	do.	do.	1,000
Molybdenum, for nonmetallurgical uses	Molibden Joint Stock Company	Chuskaya Oblast'	NA
Do.	Kara Balta mining and metallurgical complex	Kara Balta	NA
Natural gas	million cubic meters Kyrgyzazmunayzat	Approximately 300 wells; Changyr-Tash, Chigirchik Pereval, Izbaskentskoye, Kara-Agach, Mayluu-Suu, Susahoye, Togap-Beshkentskoye deposits (major)	100 ⁴
Petroleum	do.	do.	150,000
Rare earths:			
Cerium and yttrium	Aktyuzskiy mining directorate	Kutessai II deposit	NA
Concentrates, gross weight	Kyrgyz chemical and metallurgical plant	Aktyuz-Boordu deposit	14,000
Compounds and metals, rare-earth oxide equivalent	do.	Orlovka	8,000
Silver	Kumyshtag deposit	Talasskaya Oblast'	NA
Do.	Karagoyskoye deposit	Oshskaya Oblast'	NA
Tin	Uchkoshkon deposit	Sary-Dzhas field	NA
Do.	Tyan'Shan'olovo mining-beneficiation complex	do.	NA
Do.	Enil'chek JSC mining enterprise	Atdzhaylau deposit	150
Do.	do.	Trudovoye deposit	350
Do.	Enil'chek JSC, Kyrgyzaltyn, Deputatskiy mining and beneficiation complex	do.	149,100

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c	
KYRGYZSTAN--Continued				
Tungsten	do.	do.	95,600	
Do.	Enil'chek JSC mining enterprise	Atdzhaylau deposit	90	
Do.	do.	Trudovoye deposit	120	
Uranium oxide, processed	Kara-Balta mining and metallurgical complex	Chuskaya Oblast'	1,200	
MOLDOVA				
Oil and natural gas:				
Oil	Redeco Moldova oil and gas company	Valeni oil field	100,000	
Natural gas	thousand cubic meters	do.	Victorovca gas field	5,000
Steel, crude	Moldova Steel Works minimill	Ribnita, Transnistria region	1,000,000	
RUSSIA				
Alumina	Achinsk	Achinsk in East Siberia	900,000	
Do.	Bogoslovsk	Ural'skiye Gory	1,050,000	
Do.	Boksitogorsk	European north	200,000	
Do.	Nadvoitsy	Nadvoitsy in Karelia	266,000	
Do.	Uralsk	Kamensk region	536,000	
Do.	Volkhov	Volkhov, east of St. Petersburg	45,000	
Aluminum, primary smelters	Bogoslovsk	Krasnotur'insk	175,000	
Do.	Bratsk	Bratsk	950,000	
Do.	Irkutsk	Irkutskaya Oblast'	300,000	
Do.	Kandalaksha	Kola Peninsula	75,000	
Do.	Krasnoyarsk	Krasnoyarskiy Kray	875,000	
Do.	Nadvoitsy	Nadvoitsy in Karelia	75,000	
Do.	Novokuznetsk	Novokuznetsk	300,000	
Do.	Sayansk	Sayanogorsk	425,000	
Do.	Uralsk	Kamensk	80,000	
Do.	Volgogard	Volgogradskaya Oblast'	175,000	
Do.	Volkhov	Volkhov, east of St. Petersburg	20,000	
Antimony:				
Sb content of concentrate	Sarylakh deposit	Ust'-Nera region	6,000 ⁴	
	Sentachan deposit	Northeastern Sakha (Yakutiya) Republic		
Compounds and metals	Ryazvetmet plant	Ryazanskaya Oblast'	NA	
Apatite, concentrate	Khibiny apatite association	Kola Peninsula	15,000,000	
Do.	Kovdor iron ore mining association	do.	700,000	
Asbestos	Kiyembay	Orenburgskaya Oblast'	500,000	
Do.	Tuvaasbest	Tuva Autonomous region	250,000	
Do.	Uralaasbest	Central Urals	1,100,000	
Bauxite	North Urals mining company	Severoural'sk region	NA	
Do.	South Urals mining company	South Urals	NA	
Do.	Severnaya Onega Mine	Northwest region	800,000	
Boron, boric acid	Bor Association	Maritime Territory	140,000	
Do.	Amur River complex	Far East	8,000	
Do.	Alga River chemical complex	do.	12,000	
Chromite	Saranov complex	Saranovskiy	200,000	
Coal	Donets (east) Basin	Rostovskaya Oblast'	30,000,000	
Do.	Kansk Achinsk Basin	East Siberia	50,000,000	
Do.	thousand tons	Kuzntesk Basin (Kuzbass)	West Siberia	160,000
Do.	Moscow Basin	Moscow region	15,000,000	
Do.	Neryungri Basin	Sakha (Yakutiya) Republic	15,000,000	
Do.	Pechora Basin	Komi Republic	30,000,000	
Do.	South Yakutia Basin	Sakha (Yakutiya) Republic	17,000,000	
Cobalt:	Nori'l'sk Nickel Association	Nori'l'sk, Kola Peninsula	4,000	
Do.	Rezh and Yuzhuralnikel enterprises	South Urals	2,100	
Do.	Ufaleynikel company	Chelyabinsk region, Urals	1,900	
Do.	Tuva cobalt	Khovu-Aksy, Tuva Autonomous region	NA	

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c	
RUSSIA--Continued				
Copper:				
Ore	Noril'sk Polar Division	Oktyabr'skiy deposit, East Siberia	1,600,000	
Do.	Molodezhnyy, Sibay, Uchali open pits	Urals	NA	
Do.	Mednogorsk complex	Aleksandrinskoye deposit	NA	
Do.	Gai complex	Letneye deposit	NA	
Do.	Rezh nickel plant	Safyanovskoye deposit	NA	
Do.	Udokan deposit	Chita Oblast	10,000,000	
Cu content of concentrate	Buribai enterprise	Buribay region	5,000	
Do.	Gai complex	Gai region	40,000	
Do.	Kirovgrad complex	Kirovgrad region	12,000	
Do.	Krasnoural'skiy complex	Krasnoural'skiy region	12,000	
Do.	Noril'sk complex	Noril'sk region, Kola Peninsula	400,000	
Do.	Sredneuralsk complex	Ekatrinenburg region	12,000	
Do.	Uchali complex	Uchalinskiy Rayon	40,000	
Do.	Urap complex	Stavropol'skiy Kray	7,000	
Metal	Kirovgrad (smelting)	Kirovgrad	150,000	
Do.	Krasnoural'skiy (smelting)	Krasnoural'sk	60,000	
Do.	Kyshtym (refining)	Kyshtym	70,000	
Do.	Mednogorsk (smelting)	Mednogorsk	40,000	
Do.	Noril'sk (smelting and refining)	Nori'lsk	500,000	
Do.	Psysh (refining)	Psysh	350,000	
Do.	Severonikel (smelting)	Monchegorsk	20,000	
Do.	Sredneuralsk (smelting)	Revda	140,000	
Diamond:				
Almazy Rossii-Sakha Association (ALROSA):				
Gem	thousand carats	Udachnyy mining and beneficiation	Zarnitsa and Udachnyy mines	NA
Do.	do.	Mirny mining and beneficiation	Mir and International mines	NA
Do.	do.	Aikhal mining and beneficiation	Aikhal and Komsomol'skiy mines	NA
Do.	do.	Anabaraskiy mining and beneficiation	Alluvial mines	NA
Do.	do.	Nyurbinskiy mining and beneficiation	Nyurbinskiy and Botuobinskiy mines	NA
Industrial	do.	Almazy Rossii-Sakha Association (ALROSA)	Aykhal, Mirnyy, Udachnaya areas of Sakha (Yakutiya) Republic; Mir, Komsomol'skaya, Verkne-Modunskoye pipes; Lomonosov in Arkhangel'skaya Oblast'	12,000 ⁴
Feldspar		Kheto-Lanbino and Lupikko deposits	Karelia	NA
Ferroalloys		Kosaya Gora iron works	Kosaya, Gora	200,000
Do.		Kuznetsk ferroalloys plant	Novokuznetsk	400,000
Do.		Lipetsk iron and steel works	Lipetskaya Oblast'	NA
Do.		Serov ferroalloy plant	Serov	NA
Do.		Chelyabinsk electrometallurgical plant	Chelyabinskaya Oblast'	450,000
Do.		Chusovoy iron and steel plant	Chusovoy	NA
Do.		Klyuchevsk ferroalloy plant	Dvurechensk	160,000
Ferronickel		Ufaleynikel company	Chelyabinsk region, Urals	5,000
Ferovanadium		Vanadii-Tulachermet	Tula, North Caucasus	NA
Fluorspar		Abagaytuy deposit	Transbaikal	NA
Do.		Usugli Mine	do.	NA
Do.		Kyaktinsky deposit	do.	NA
Do.		Kalanguy mining complex	Chita Region, Transbaikal	NA
Do.		Yaroslavsky mining and beneficiation complex	Pogranichnoye and Vosnesenskoye deposits, Russian Far East's Maritime (Primor'ye) region	NA

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c	
RUSSIA--Continued				
Gold	kilograms	Buryat region Lenzoloto Gold Company Polius Gold Company, Olimpiady deposit Omolon Gold Company Maritime region Tuva region Yakut-Sakha region	Buryatiya Republic Irkutsk Oblast' Krasnoyarskiy Krai Magadanskaya Oblast' Maritime Territory Tuva Autonomous region Sakha (Yakutiya) Republic	200,000 ⁴
Iron ore		Kursk Magnetic Anomaly (KMA): Lebedi and Stoilo Mikhailovka	Gubkin Zheleznogorsk	50,000,000 ⁴
Do.		Northwest: Kostomuksha Kovdor Olenegorsk	Kostomuksha Kola Peninsula Olenegorsk	22,000,000 ⁴
Do.		Siberia: East: Korshunovo Rudnogorsk West: Abakan Sheregesh Tashtagol Teya	Zheleznogorsk Rudnogorsk Abaza Sheregesh Tashtagol Vershina Tei	18,000,000 ⁴
Do.		Urals: Akkermanovka Bakal Goroblagodat Kachkanar Magnitogorsk Peshchanka	Novotroitsk Bakal Kushva Kachkanar Magnitogorsk Rudnichnyy	22,000,000 ⁴
Lead-zinc:				
Lead, recoverable Pb content of ore		Altay mining and beneficiation complex	Altay Mountains region, South Siberia	2,000
Do.		Dalpolymetal mining and beneficiation complex	Maritime Territory	20,000
Do.		Nerchinsk polymetallic complex	Chitinskaya Oblast'	7,000
Do.		Sadon lead-zinc complex	Severnaya Osetiya-Alaniya Republic	5,000
Do.		Salair mining and beneficiation complex	Kemerovo Oblast'	2,000
Zinc, recoverable Zn content of ore		Altay mining and beneficiation complex	Altay Mountains region, South Siberia	1,000
Do.		Dalpolymetal mining and beneficiation complex	Maritime Territory	25,000
Do.		Nerchinsk polymetallic complex	Chitinskaya Oblast'	12,500
Do.		Sadon lead-zinc complex	Severnaya Osetiya-Alaniya Republic	14,000
Do.		Salair mining and beneficiation complex	Kemerovo Oblast'	10,500
Lead, metal		Dalpolymetal lead smelter	Rudnaya in the Maritime District	20,000
Do.		Elektrozinc lead smelter	Vladikavkaz in North Caucasus	30,000
Magnesite		Satka deposit	Chelyabinsk Oblast'	3,800,000
Magnesium, metal (for sale)		Avisma plant	Berezniki	22,000
Do.		Solikamsk plant	Solikamsk	21,500
Mica		Aldan	Sakha (Yakutiya) Republic	NA
Do.		Karel	Karelia	NA
Do.		Kovdor	Kola Peninsula	NA
Do.		Mam	Irkutsk complex	NA
Molybdenum		Dzhida tungsten-molybdenum mine	West Transbaikal	NA
Do.		Sorsk molybdenum mining enterprise	Sorsk region	NA
Do.		Tyrnyauz tungsten-molybdenum mine	North Caucasus	NA
Do.		Shakhtaminskoye molybdenum mining enterprise	Chitinskaya Oblast'	NA

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1,2,3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c	
RUSSIA--Continued				
Natural gas	million cubic meters	Komi Republic	Komi Republic	8,000
Do.	do.	Noril'sk area	Noril'sk area	5,500
Do.	do.	North Caucasus	North Caucasus	6,000
Do.	do.	Komi Republic	Komi Republic	8,000
Do.	do.	Noril'sk area	Noril'sk area	5,500
Do.	do.	North Caucasus	North Caucasus	6,000
Do.	do.	Sakhalin	Far East	2,000
Do.	do.	Tomsk Oblast'	West Siberia	500
Do.	do.	Tyumen Oblast', including:	do.	575,000 ⁴
Do.	do.	Medvezhye field	do.	(75,000)
Do.	do.	Urengoi field	do.	(300,000)
Do.	do.	Vyrngapur field	do.	(17,000)
Do.	do.	Yamburg field	do.	(170,000)
Do.	do.	Bovanenko field	Yamal Peninsula	NA
Do.	do.	Pestsovoy field	Ob-Taz Gulf area	NA
Do.	do.	Zapolyarnyy field	do.	NA
Do.	do.	Shtokmanov field	Barents Sea	NA
Do.	do.	Urals	Ural'skiye Gory	45,000
Do.	do.	Volga	Volga region	6,000
Do.	do.	Yakut-Sakha	Sakha (Yakutiya) Republic	1,500
Nepheline syenite		Apatite complex	Kola Peninsula	1,500,000
Do.		Kiya-Shaltyr Mine	Goryachegorsk region, east Siberia	NA
Nickel:				
Ni in ore		Noril'sk Nickel Association	Noril'sk region, Kola Peninsula	300,000
Do.		Yuzhuralnikel company	South Urals	3,000
Do.		Ufaleynikel company	Chelyabinsk region, Urals	17,000
Metal:				
Smelting		Noril'sk Nickel Association	Noril'sk	160,000
Do.		do.	Pechenga	50,000
Do.		do.	Monchegorsk	50,000
Refining		do.	do.	100,000
Do.		do.	do.	140,000
Ni products and Ni in FeNi		Rezh, Ufaleynikel, Yuzhuralnikel enterprises	South Urals	65,000
Oil shale		Leningradslanets Association	Slantsy region	5,000,000
Petroleum		East Siberia, Tomsk Oblast'	Tomskaya Oblast'	11,000,000
Do.		European Russia:		
Do.		Astrakhan	North Caspian Sea basin	700,000
Do.		Bashkortostan	Ural'skiye Gory	28,000,000
Do.		Checheno-Ingush Republic	Southern Caucasus	4,500,000
Do.		Dagestan	North Caucasus	700,000
Do.		Kaliningrad Oblast'	Baltic coast	1,800,000
Do.		Komi Republic	Northwest	15,000,000
Do.		Krasnodar Kray	North Caucasus	2,000,000
Do.		Orenburg Oblast'	Ural'skiye Gory	13,000,000
Do.		Perm Oblast'	do.	12,000,000
Do.		Samara	Volga region	16,000,000
Do.		Saratov Oblast'	do.	1,500,000
Do.		Stavropol Kray	North Caucasus	2,000,000
Do.		Tatarstan	Volga region	40,000,000
Do.		Udmurt Republic	Ural'skiye Gory	9,000,000

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
RUSSIA--Continued			
Petroleum--Continued	thousand tons	Fields, including:	Tyumenskaya Oblast', West Siberia
Do.	do.	Kogolym	do.
Do.	do.	Krasnoleninskiy	do.
Do.	do.	Langepas	do.
Do.	do.	Megion	do.
Do.	do.	Nizhnevartovsk	do.
Do.	do.	Noyabrsk	do.
Do.	do.	Purneftegaz	do.
Do.	do.	Surgat	do.
Do.	do.	Uray	do.
Do.	do.	Varegan	do.
Do.		Sakhalin Island	Sakhalin Island
Phosphate rock		Kingisepp complex	Leningradskaya Oblast'
Do.		Lopatino, Yegorevsk deposits	Moscow Oblast'
Do.		Polpinskoye deposit	Bryanskaya Oblast'
Do.		Verkhnekamsk deposit	Ural'skiye Gory
Phosphate rock, apatite concentrate		Khibiny Apatit Association	Kola Peninsula
Do.		Kovdor iron mining complex	do.
Platinum-group metals:			
Ore		Nori'lsk Nickel Association	Nori'lsk in Polar Division
Do.		do.	Oktyabr'skiy and Talnakh in Polar Division
Do.		AO Koryakgeoldobycha, Amur Prospectors	Placer deposits (mostly platinum), Urals; Siberia; Russian Far East
Metals		Krasnoyarsk Nonferrous Metals Plant (Krastsvetmet)	Krasnoyarskiy Kray
Do.		Ekaterinburgskiy plant (EZOTsM)	Ekaterinburg
Do.		Priobsk plant	Priobsk
Potash, K ₂ O equivalent		Uralkaliy	Verkhnekamsk deposit
Do.		Silvinit	Solikamsk-Berezniki regions, Ural'skiye Gory
Silver		Dukat Mine, cobyproduct and byproduct of gold and nonferrous metals mining	Magadanskaya Oblast'
Soda ash		Achinsk plant	East Siberia
Do.		Berezniki plant	Ural'skiye Gory
Do.		Pikalevo plant	Leningradskaya Oblast'
Do.		Sterlitamak plant	Sterlitamak
Do.		Volkhov plant	Leningradskaya Oblast'
Steel, crude		Amurstal	Komsomol'sk-na-Amure
Do.		Asha	Asha
Do.		Beloretsk	Bashkirskoye
Do.		Chusovoy	Chusovoy
Do.		Elektrostal	Moscow
Do.		Gorky	Nizhniy Novgorod
Do.		Gur'yevsk	Gur'yevsk
Do.		Karaganda	Karaganda
Do.		Lipetsk	Lipetskaya Oblast'
Do.		Lys'va	Lys'va
Do.		Magnitogorsk	Magnitogorsk
Do.		Mechel (Chelyabinsk)	Chelyabinskaya Oblast'
Do.		Nizhniy Tagil	Nizhniy Tagil
Do.		Nizhniy Sergi	Nizhniye Sergi
Do.		Nosta (Orsk-Kahlilovo)	Novotroitsk in Orenburgskaya Oblast'
Do.		Novosibirsk	Novosibirskaya Oblast'
Do.		Omutninsk	Omutninsk
Do.		Oskol Electric Steel	Staryy Oskol

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
RUSSIA--Continued			
Steel, crude--Continued	Petrovsk-Zabaykal'skiy	Petrovsk-Zabaykal'skiy	426,000
Do.	Revda	Revda	281,000
Do.	Salda	Sverdlovskaya Oblast'	1,900
Do.	Serov A.K.	Serov	1,000,000
Do.	Serp i Molot	Moscow	70,000
Do.	Severskiy	Polevskoy in Sverdlovskaya Oblast'	825,000
Do.	Severstal (Cherepovets)	Cherepovets	14,000,000
Do.	Sibelektrostal	Krasnoyarskiy Kray	110,000
Do.	Sulin	Sulin	280,000
Do.	Taganrog	Taganrog	925,000
Do.	Tulachermet Scientific and Industrial Association	Tula	18,400
Do.	Verkh-Isetskiy	Ekatrinenburg	132,000
Do.	Volgograd	Volgogradskaya Oblast'	2,000,000
Do.	Vyksa	Vyksa	540,000
Do.	West Siberian	Novokuznetsk	6,900,000
Do.	Zlatoust	Zlatoust in Chelyabinskaya Oblast'	1,200,000
Do.	Kuznetsk	Novokuznetsk	4,700,000
Talc	Onotsk deposit	Irkutskaya Oblast'	NA
Do.	Kirgiteysk deposit	Krasnoyarskiy Kray	NA
Do.	Miass deposit	Chelyabinskaya Oblast'	NA
Do.	Shabrovsk deposit	Sverdlovskaya Oblast'	NA
Tin:	Novosibirsk mining-beneficiation complexes in:		
Ore	Khinganskoye olovo (Jewish Autonomous District)	Khabarovskiy Kray	NA
Do.	Dalolovo	Solnechnyy deposit, Primor'ye	NA
Do.	Deputatskiy olovo	Sakha (Yakutiya) Republic	NA
Do.	Iultin mining and beneficiation complex	Magadanskaya Oblast'	NA
Do.	Khrustalnyy mining and beneficiation complex	Maritime Territory	NA
Do.	Pevek mining and beneficiation complex	Magadanskaya Oblast'	NA
Metal	Novosibirsk smelter	Novosibirskaya Oblast'	NA
Do.	Podol'sk smelter	Podol'sk	NA
Do.	Ryazan smelter	Ryazanskaya Oblast'	NA
Titanium:			
Metal	Berezniki plant	Berezniki	40,000
Do.	Moscow plant	Moscow	NA
Do.	Podol'sk plant	Podol'sk	NA
Products, aerospace engineering	Verkhnyaya Salda Metallurgical Production Association (VSMPO)	Sverdlovskaya Oblast', Urals	NA
Sponge	Avisma Titanium-Magnesium complex	Berezniki, Urals	NA
Tungsten:			
W content of concentrates	Antonovogorsk	East Transbaikal	NA
Do.	Balkan	Northeast of Magnitogorsk, Ural'skiye Gory	NA
Do.	Belukha	East Transbaikal	NA
Do.	Bom-Grokhom	West Transbaikal	NA
Do.	Dzhida	do.	NA
Do.	Iultin	Magadanskaya Oblast'	NA
Do.	Lermontov	Russian Far East	NA
Do.	Solnechnyy	Southern Khabarovskiy Kray	NA
Do.	Tyrnyauz tungsten-molybdenum mining and processing complex	Kabardino-Balkariya, North Caucasus	NA
Do.	Maritime (Primor'ye) region	Russian Far East	NA
Do.	Aginskoye deposit	Sakha (Yakutiya) Republic	NA
Do.	Kti-Teberdaskoye deposit	North Caucasus	NA
Metal, tungsten anhydride	Gidrometallurg plant	Na'chik, North Caucasus	NA

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
RUSSIA--Continued			
Uranium, U content	Priargunskiy mining and chemical enterprise	Krasnokamensk	3,000
Vanadium:			
Ore	Kachkanar iron mining complex	Ural'skiye Gory	NA
Metal	Chusovoy and Nizhniy Tagil plants	do.	17,000
Pentoxide	Vanadii-Tulachermet	Tula, North Caucasus	NA
Zinc:			
Zn content of ore	Bashkir copper-zinc complex	Sibai in southern Urals	5,000
Do.	Buribai copper-zinc mining complex	Buribai in southern Urals	1,500
Do.	Gai copper-zinc mining and beneficiation complex	Gai in southern Urals	25,000
Do.	Kirovgrad copper enterprise	Kirovgrad in central Urals	1,200
Do.	Sredneuralsk copper complex	Revda in central Urals	5,000
Do.	Uchali copper-zinc mining and beneficiation complex	Uchalinskiy Rayon in southern Urals	90,000
Metal	Chelyabinsk electrolytic zinc plant	Chelyabinskaya Oblast'	200,000
Do.	Elektrozink plant	Vladikavkaz in North Caucasus	100,000
TAJIKISTAN			
Aluminum	Tajik aluminum plant (TadAZ)	Tursunzade	517,000
Antimony	Anzob mining and beneficiation complex	Dzhizhikrutskoye Sb-Hg deposit	700,000
Do.	Isfara hydrometallurgical plant	Isfara	500
Do.	Shing-Magianskiye deposit	NA	NA
Antimony concentrates	Marguzor-Magianskiye alluvial deposits	NA	NA
Arsenic	Mosrif deposit	NA	NA
Bismuth	Leninabad mining and beneficiation complex	Yuzhno-Yangikanskiy deposit	25
Do.	Isfara hydrometallurgical plant	Isfara	500
Bismuth, copper, fluorspar, gold, silver, zinc (ore processing)	Adrasman mining and beneficiation complex	Kanimansurskoye deposit (mining ceased in 1997)	650,000 ⁴
Boron	Ak-Arkhar deposit	Badakhshan region	NA
Coal	Isfara hydrometallurgical plant	Isfara	300,000
Do.	Shurab brown coal deposits	Shurab region	NA
Do.	Fan-Yagnob hard coal deposits	Pyandzh region	50,000
Copper-lead-zinc	Leninabad mining and beneficiation complex	Yuzhno-Yangikanskiy deposit	2,500
Dolomite	Yavan electrochemical complex	Pashkharvoskoye deposit	NA
Fluorspar, concentrate	Takob mining and beneficiation complex	Takob and Krasnye Kholmy deposits	60,000 ⁴
Gold	kilograms Tajikzoloto mining-beneficiation complex, Pamir Artel	Darvazy and Rankul placer deposits, placers in central and southern parts of country	5,000 ⁴
Do.	do. Zerafshan Gold Company	Dzhilau, Jilau, Taror deposits, Sughd Oblast'	2,500 ⁴
Do.	do. Darvaz joint venture	Yak-Suyskoye deposit, Khatlonskaya Oblast'	2,000
Do.	do. Aprelevka joint venture	Aprelevka deposit	200
Do.	Chore, Kum-Manor, Shahbas deposits	Zarashon Valley	NA
Do.	Vostokredmet refinery	Chkalovsk	NA
Gold, ore processing	Kansayskaya factory	Aprelevka, Burgunda, Kyzyl-Chek, Shkol'noye deposits	165,000 ⁴
Lead-zinc	Kansayskoye mining complex	Kara-Mazar Region	NA
Do.	Altyn-Topkan mining directorate	Altyn-Topkan deposit (mining ceased in 1997)	NA
Do.	do.	Pay Bulak deposit (mining ceased in 1997)	NA
Do.	Adrasman mining and beneficiation complex	Khujand, Leninabad Oblast'	NA
Do.	Takaeliyskiy metallurgical complex	NA	NA
Limestone	Dushanbe cement complex	Kharangonskoye deposit	NA
Loam	do.	Varzobskoye Ushchel'ye deposit	NA
Marble	Dashtak deposit	Darvaz region	NA
Do.	Jilikul deposit	Pendzhikent region	NA
Do.	Dal'yan Bolo deposit	Shakhristskiy region	NA
Mercury	Anzob mining and beneficiation complex	Dzhizhikrutskoye deposit	150

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity		Major operating companies or deposits	Location or deposit name	Annual capacity ^c
TAJKISTAN--Continued				
Natural gas and petroleum	thousand cubic meters	Sixteen oil-gas deposits under exploration, which includes Ayritantskoye, Madaniyatskoye, and Ravatskoye	Fergana depression	200,000 ⁴
Do.	do.	Beshtenyakskoye, Kichik-Belskoye, Shaambary, Uzunkhorskoye deposits	Southern Tajik depression	200,000 ⁴
Salt		Yavan electrochemical complex	Tut-Bulakskoye deposit	NA
Do.		Voseyskiy plant	Khodzha-Muminskoye deposit	NA
Do.		Ashtskiy plant	Kamyshkurganskoye deposit	NA
Do.		Khoja-Sartez, Samanchi, Tanabchi deposits	NA	NA
Silver		Adrasman mining and beneficiation complex	Bolshoy Kanimansur deposit	15,000
Strontium		Chaltash, Chikultan, Daudyr deposits	Khatlon region	180,000
Tin-tungsten		Tafkon deposit	NA	NA
Tungsten ore		Maykhura deposit	95 kilometers of Dushanbe, central Tajikistan	150,000
Uranium, U content		Adrasman, Maylisu, Taboshar, Usugai deposits	Kara-Mazar Region, northern Tajikistan	NA
Do.		Vostokredmet plant	Chkalovsk	NA
Vanadium, pentoxide		do.	do.	350,000
TURKMENISTAN				
Ammonia	thousand tons	Maryzoat Association	Mary region	400,000 ⁹
Argillite	cubic meters	Keramzit plant	Yagmanskoye deposit	200,000 ⁹
Barite-witherite		Arpaklenskiy mining enterprise	Arpaklen deposit	10,000 ⁹
Do.		Kumytash deposit and other deposits	NA	NA
Bischofite, epsomite, Galauer's salt, sea salt		Karabogazsulfate Association	Kara-Bogaz-Gol Lagoon, off the Caspian Sea	NA
Bromine		Cheleken plant	Cheleken region	4,740 ⁹
Do.		Nebitdag plant	Vyshka, Stantsiya	2,370 ⁹
Cement, from:				
Bench gravel and loam		Bezmeinskiy cement plant	Bezmeinskoye deposit	1,400,000
Limestone and clay		Kugitangskoye deposit	NA	NA
Limestone and marl		Gingol'skoye deposit	NA	NA
Clays:				
Bentonite		Oglanly Mine	Oglanly region	100,000 ⁹
Kaolin		Ashkhabad glass plant	Kyzylkainskoye deposit	80,000
Do.		Tuarkyrskoye deposit	250 kilometers southeast of Turkmenbashi	NA
Coal, oxidized		do.	do.	NA
Dolomite		Ashkhabad glass plant	Kelyatinskoye deposit	6,000
Gypsum		IA Turkmenmineral	Mukry, Tagorin deposits	300,000 ⁹
Do.		Wastes from Gaurdak sulfur deposit	Gaurdak, Gora	400,000 ⁹
Do.		Krasnovodsk Aylagy (anhydride) deposit	9 kilometers east of Turkmenbashi	160,000 ⁹
Iodine		Cheleken plant	Cheleken region	355 ⁹
Do.		Nebitdag plant	Vyshka, Stantsiya	255
Limestone:				
Unspecified	cubic meters	Gaurdak deposit	4 kilometers northeast of Gaurdak	NA
Do.	do.	Kara-Dzhumalaksokoye deposit	60 kilometers from Gaurdak	NA
For facing materials	do.	Charshanginskoye, Gaurdakskoye, Geok-Tepinskoye, Kaylyu, Krasnovodsk Aylagy (tuff and granite), Tyuzmergenskoye deposits	NA	NA
Do.	do.	Tagarinskoye deposit	8 kilometers from Gaurdak	1,000
For filling stone	do.	Aeropot deposit	21 kilometers northeast of Turkmenbashi	2,000 ⁹
Do.	do.	Bekdashskoye deposit	200 kilometers north of Turkmenbashi	5,000 ⁹
Do.	do.	Dostlukskoye deposit	230 kilometers southeast of Turkmenabat	2,000 ⁹
Do.	do.	Mukrinskoye deposit	60 kilometers southwest of Gaurdak	25,000 ⁹

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity		Major operating companies or deposits	Location or deposit name	Annual capacity ^c
TURKMENISTAN--Continued				
Natural gas	million cubic meters	Achakskoye, Dauletabad, Donmez, Gygyrlinskoye, North and South Naipskiye, West Shatlykskiye, Yashlar deposits	Onshore in eastern and southwestern parts of country and offshore in Caspian Sea; Amu-Dar'ya and Murgab Basins; Dashoguzskiy, Lebapskiy, Maryyskiy deposits	90,000 ⁴
Petroleum:				
Crude		Barsa-Gelmesskoye, Burunskoye, Cheleken, Gograndagskoye, Kamyshldzhinskoye, Korturtepinskoye, Kum Dag, Kuydzhikskoye, Okaremskoye deposits	Onshore in southwestern part of country and offshore in the Caspian Sea	5,500,000 ⁴
Refined	24-gallon barrels per day	Chardzhouskiy Rayon refinery	Seydi, Chardzhouskiy Rayon	120,500
Do.	do.	Turkmenbashi refinery	Turkmenbashi	116,500
Natural pigment		Bakhchesu/Cheshme/Gadyn deposit	28 kilometers southwest of Serdar	NA
Ozokerite		Cheleken mining enterprise	NA	NA
Potash (sylvinite, carnallite)		Karlyuk deposit (experimental mine closed 1998)	25 kilometers from Gaurdak	NA
Do.		Karabil'skoye deposit	17 kilometers south of Gaurdak	NA
Quartz sand		Annauskoye, Babadurmazskoye, Bakhardenskoye deposits	NA	NA
Rock salt		Gaurdak deposit	8 kilometers from Gaurdak	15,000
Do.		Khodzhaguymaskoye deposit	4 kilometers west of Gaurdak	NA
Do.		Kugitangskoye deposit	75 kilometers from Gaurdak	2,000
Do.		Uzun-Kudukskoye deposit	20 kilometers from Gaurdak	2,000
Salt		Kuulinskoye deposit	40 kilometers north of Turkmenbashi	650,000
Sand and gravel	cubic meters	Dushakoye deposit	NA	1,150,000 ⁹
Do.	do.	Kala-I-Morskoye deposit	NA	925,000 ⁹
Do.	do.	Kernayskoye deposit	NA	36,000 ⁹
Do.	do.	Kubatayskoye deposit	NA	740,000 ⁹
Do.	cubic meters	Ufrinskoye deposit	NA	900,000 ⁹
Sodium sulfate		Karabogazsulfate Association	Bekdash	400,000 ⁹
Strontium (celesite)		Arikskoye deposit (mining ceased 1992)	Near Gaurdak	NA
Do.		Shakhtaminskoye deposit	do.	NA
Sulfur		IA Turkmenmineral	Gora deposit	340,000 ⁹
Do.		Gaurdak plant	Gaurdak deposit (mining ceased 1997)	500,000
Do.		Darvaza, Segli-Kar, Kara-Kum sulfur plants	Kara-kum deposit (mining ceased 1962)	NA
Do.		Kugitangskoye deposit	75 kilometers from Gaurdak	NA
UKRAINE				
Alumina		Mykolayiv refinery	Mykolayivs'ka Oblast'	1,200,000
Do.		Zaporozh'ye (Dneprovsk) refinery	Zaporiz'ka Oblast'	245,000
Aluminum, primary		Zaporozh'ye (Dneprovsk) smelter	do.	120,000
Coal:				
Hard	thousand tons	Donets coal basin with about 225 mines produces more than 90% of Ukraine's coal	Dnipropetrovs'ka, Donets'ka, Luhans'ka Oblasts'	130,000 ⁴
Do.		Lviv-Volynskiy Basin produces remainder from 18 mines	Western Ukraine	6,000,000 ⁴
Brown		Dneprovskoye Basin	Central Ukraine	7,000,000
Ferroalloys:				
Ferrochrome		Zaporozh'ye plant	Zaporiz'ka Oblast'	NA
Ferromanganese (high and medium carbon)		do.	do.	NA
Do.		Nikopol' ferroalloys plant	Nikopol'	250,000
Ferromanganese, blast furnace		Konstantinovskiy metallurgical plant	Konstantinovka	NA
Do.		Kramatorskiy metallurgical plant (production ended in 1999)	Kramatorsk	NA
Manganese metal		Zaporozh'ye plant	Zaporiz'ka Oblast'	NA

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
UKRAINE--Continued			
Ferroalloys--Continued:			
Ferrosilicon	Nikopol' ferroalloys plant	Nikopol'	200,000
Do.	Stakhanov plant	Luhans'ka Oblast'	NA
Silicomanganese	Stakhanov plant	Luhans'ka Oblast'	1,200,000
Do.	Zaporozh'ye plant	Zaporiz'ka Oblast'	160,000
Do.	Nikopol' ferroalloys plant	Nikopol'	NA
Graphite	Zavalyevskiy graphite complex	Zavalyevskiy deposit	40,000
Iron ore:			
Underground mining	Krivbassruda production association with 16 mines	Kryvyi Rih Basin	15,000,000 ⁴
Do.	Ekspluatatsionnaya Mine of the Zaporizhzhskiy iron ore complex	do.	3,500,000
Open pit mining	Inguletskiy, Kamysh-Burunskiy, Novokrivorozhskiy, Poltaviskiy, Severnyy, Tsentralnyy, Yuzhniy mining and beneficiation complexes	do.	90,000,000 ⁴
Kaolin	Prosyantovskoye mining and beneficiation complex	Dnipropetrovs'ka Oblast'	NA
Lead, secondary	Ukrtsink plant	Kostyantynivka	70,000
Magnesium	Zaporozh'ye plant	Zaporiz'ka Oblast'	10,000
Do.	Magnii concern	Kalush	18,000
Manganese:			
Ore, marketable	Marganets, Ordzhonikidze mining and beneficiation complexes Tavrisheskiy complex (under development)	Nikopol' Basin Bol'shoi Tokmak Basin	6,000,000 ⁴
Metal	Zaporozh'ye plant	Zaporiz'ka Oblast'	40,000
Sinter	Nikopol' ferroalloys plant	Nikopol'	3,000,000
Mercury	Nikitovskiy mining and metallurgical complex	Donets'ka Oblast'	120
Nickel, Ni content in FeNi	Pobuzhskiy mining and beneficiation complex comprising three open pit mines and smelter	Pobugskoye Basin	7,000 ⁴
Potash, K ₂ O equivalent	Khlorvinil production association, Stebnik potash plant	Pricarpathian region	300,000
Steel, crude	Alchevs'k steel mill	Alchevs'k	4,500,000
Do.	Azovstal' steel mill	Mariupol'	4,000,000
Do.	Donets'k steel mill	Donets'ka Oblast'	1,300,000
Do.	Dnepropetrovsk pipe plant	Dnepropetrovsk	1,230,000
Do.	Khartsyzsk pipe plant	Khartsyzsk	NA
Do.	Yenakiyevskiy steel mill, Danko	Yenakievo	1,200,000
Do.	Zaporozh'ye rolling mill	Zaporiz'ka Oblast'	2,300,000
Do.	Dneprovskiy steel mill	Dniprodzerzhyns'k	3,850,000
Do.	do.	Dnipropetrovs'ka Oblast'	1,900,000
Do.	Konstantnovskiy steel mill	Konstantnovka	NA
Do.	Dnepropetsstal	Zaporiz'ka Oblast'	1,400,000
Do.	Il'yich plant	Mariupol'	7,300,000
Do.	Kirov plant	Makeyevka	4,000,000
Do.	Kryvyi Rih plant	Kryvyi Rih Basin	10,650,000
Interpipe group:			
Do.	Nizhnedneprovskiy pipe plant	Dnepropetrovsk	NA
Do.	Nikopol' pipe plant	Nikopol'	NA
Sulfur	Sera production association	Rozdol mining complex mines (Rozdol, Soroks, Zhdidalchev deposits) and Yarvorov complex mines (Nemirov-Yazov deposits in Liviv'ska and Kyiv'ska Oblasts')	1,500,000 ⁴

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
UKRAINE--Continued			
Titanium:			
Ilemenite concentrate	Irshanskiy mining and beneficiation complex Vol'nogorsk state mining/metallurgical complex Verkhnedneprovskiy mining/metallurgical complex	Irsha Valley Dnipropetrovs'k region Verkhnedneprovsk region	600,000 ⁴
Rutile	do.	do.	60,000
Sponge	Zaporozh'ye titanium-magnesium plant	Zaporiz'ka Oblast'	20,000
Uranium	Zheltye Vody complex	Northern part of Kryvyy Rih Basin	NA
Zinc, secondary	Ukrtsink plant	Kostyantynivka	25,000
Zirconium:			
Ore, zircon	Verkhnedneprovskiy mining/metallurgical complex	Verkhnedneprovsk region	100,000
Do.	Vol'nogorsk state mining and metallurgical complex	Dnipropetrovs'k region	NA
Metal and compounds	Pridneprovskiy chemical plant	Dnipropetrovs'ka Oblast'	NA
Do.	Kharkiv physical-technical institute	Kharkivs'ka Oblast'	NA
UZBEKISTAN			
Bismuth	Ustarassay deposit (depleted)	Chotqol and Kuraminskiy Khrebet regions	NA
Cesium, lithium, rubidium	Shava-Say deposit	NA	NA
Clays:			
Bentonite	Arab-Dasht and Khaudag deposits	NA	NA
Kaolin	Angren deposit	Angren region	8,000,000
Coal	Central Asian Coal Association (mining):		
	Angren brown coal deposit	do.	6,000,000
Do.	Baysunkoye and Shargunkoye deposits	Surkhandarya region	1,000,000 ⁴
Copper:			
Mine output, Cu content	Almalyk mining and metallurgical complex	Dalneye, Kalmakkyrgan, Sary-Cheku deposits	100,000 ⁴
Metal	Almalyk refinery	Olmaliq	130,000
Diamond	Karashok and Kok-Say deposits	Nawoiy District	NA
Feldspar	Karichasayskoye and other deposits	Deposits in Samarqand and Toshkent Wiloyati regions; Karakalpakstan (Kara-Kalpakskaya ASSR)	120,000 ⁴
Fertilizers	Ammophos production association	Olmaliq	NA
Do.	Azot production association	Farghona	NA
Do.	Elektrokhimprom production association	Chirchiq	NA
Do.	Kokand superphosphate plant	Qo'qon	NA
Do.	Naviazot production association	Nawoiy Wiloyati	NA
Do.	Samarkand chemicals plant	Samarqand	NA
Fluorspar	Agata-Chibargata, Aurakhmat, Kengutan, Kyzylbaur, Naugarzan, Nugisken deposits	East of Toshkent Wiloyati	150,000
Do.	Syrpatash deposit	Namanganskaya Oblast'	NA
Gold	kilograms Adzhi-Bugutty, Balpantau, Bulutkan, Donguz-Tau, Muruntau, Taurbay deposits	Kyzylkum region	85,000 ⁴
Do.	Nawoiy Integrated Mining and Metals complex	Muruntau deposit	50
Do.	Kochbulak and Kyzyl-Al'ma-Say deposits	Tashkentskaya Oblast'	NA
Do.	Almalyk mining and metallurgical complex	Dalneye, Kalmakkyrgan, Sary-Cheku deposits	NA
Graphite	Tadzhi-Kazgan deposit	Navoiyskaya Oblast'	NA
Iron ore	Syurenata deposit	Tashkentskaya Oblast'	NA
Lead, mine output, Pb content	Almalyk mining and metallurgical complex; Altyn-Topkan and Uchkulach deposits	Uchkulach deposit in Toshkent Wiloyati; Altyn-Topkan deposit in Kurama Mountain range in Tajikistan (in March 1999, Altyn-Topkan transferred to control of Tajikistan)	40,000 ⁴
Manganese	Dautashskoye deposit	Kashkadar'inskaya Oblast'	40,000

See footnotes at end of table.

TABLE 2--Continued
COMMONWEALTH OF INDEPENDENT STATES: STRUCTURE OF THE MINERAL INDUSTRIES IN 2002^{1, 2, 3}

(Metric tons unless otherwise specified)

Country and commodity	Major operating companies or deposits	Location or deposit name	Annual capacity ^c
UZBEKISTAN--Continued			
Molybdenum:			
Mine output, Mo content	Almalyk mining and metallurgical complex; Kalmakyr, Sarycheku deposits	Toshkent Wiloyati	900 ⁴
Metal	Uzbek refinery and hard metals plant	Chirchiq	NA
Natural gas liquids million cubic meters	Mubarek gas-processing plant complex	Mubarek	28,000
Do.	Shurtan gas-chemical complex	Shurtan-Say deposit, Kashkad'ya region	137,000
Petroleum and natural gas:	More than 160 oil and gas deposits and 92 deposits under exploration. Major gas deposits are Gazli, Kandym, Khauzak, Kokdumalak, Pamuk, and Shurtan-Say; Major oil deposits are Kokdumalak and Mingbulak	Amu-Dar'ya Basin; Bukhoro-Khiwa, Mubarek area; Sukhandarya Oblast', southwest Gissarak, and Ustyurtskiy regions and Farghona Valley	70 billion cubic meters (natural gas); 9,000,000 (petroleum).
Natural gas condensate	Trinity Energy (United Kingdom)	Ustyurt Plato region	NA
Refinery products	Fergana oil refinery	Farghona region	8,800,000
Do.	Bukhara oil refinery	Bukhoro	2,500,000
Phosphate	Kyzyl Kum complex	Dzheroy-Sardarin Moroccan type, Karaktay, Severnyy Dzhetymtau deposits	NA
Polyethylene	Shurtan gas-chemical complex	Shurtan-Say deposit, Kashkad'ya region	125,000
Potash	Tyubegatan deposit	Southern Uzbekistan	NA
Silver	Kosmanachi, Okzhetpes, Vysokovoltnoye deposits	Namanganskaya Oblast'	NA
Steel, crude	Bekabad steel mill	Bekabad	1,100,000
Sulfur	Mubarek gas-processing plant complex	Mubarek	2,000,000
Tungsten:			
Mine output:			
W content	Koytash deposit Ingichka, Lyangar deposits Ugat deposit	Northeastern Uzbekistan Zirbulak Mountains Northern Uzbekistan	1,200 ⁴
WO ₃ content, 0.49%	Sautbay wolframite deposit	Kyzylkum region	NA
Metal	Uzbek refractory and hard metals plant	Chirchiq	NA
Uranium, U content	Naviazot mining and metallurgical complex	Navoiy region	3,000
Vermiculite square meters	Tebin-Bulak deposit	NA	25,000

^cEstimated. NA Not available.

¹Table includes data and information available through March 2004.

²Estimated data are rounded to no more than three significant digits.

³Many location names have changed since the breakup of the Soviet Union. Many enterprises, however, are still named or commonly referred to based on the former location name, which accounts for discrepancies in the names of enterprises and that of locations.

⁴Capacity estimates are totals for all enterprises that produce that commodity.

⁵For a listing of production-sharing agreements for oil and gas development, refer to the USACC Investment Guide to Azerbaijan 2001, United States-Azerbaijan Chamber of Commerce (USACC), Washington, DC.

⁶Capacity for crude petroleum distillation.

⁷Total peat for fuel use production.

⁸Crude throughput.

⁹Reported figure.

TABLE 3
ARMENIA: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance (millions)	Exports		Imports		Trade balance (millions)
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$341.8	100.00	\$877.4	100.00	-\$535.6	\$507.2	100.00	\$991.0	100.00	-\$483.8
Of which:										
Mineral products	37.9	11.09	188.2	21.45	-150.3	42.4	8.36	174.3	17.59	-131.9
Products of the chemical or allied industries	2.8	0.82	65.1	7.42	-62.3	1.9	0.37	63.0	6.36	-61.1
Articles of stone, cement, asbestos, mica, glass and glassware	1.6	0.47	15.4	1.76	-13.8	3.0	0.59	19.4	1.96	-16.4
Nonprecious metals and articles of nonprecious metal	43.4	12.70	36.1	4.11	7.3	44.8	8.83	55.7	5.62	-10.9
Other	256.1	74.93	572.6	65.26	-316.5	415.1	81.84	678.6	68.48	-263.5

¹Data may not add to totals shown owing to independent rounding.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 4
ARMENIA: EXPORTS, IMPORTS, AND TRADE BALANCE OF SELECTED MINERAL PRODUCTS

(Thousand dollars)

Products	2001			2002		
	Exports	Imports	Trade balance	Exports	Imports	Trade balance
Aluminum and articles thereof	17,865.4	15,084.2	2,781.2	17,703.9	24,794.9	-7,091.0
Of which:						
Commonwealth of Independent States (CIS) countries	68.3	12,424.5	-12,356.2	138.7	21,488.2	-21,349.5
Other countries	17,797.1	2,659.7	15,137.4	17,565.2	3,306.7	14,258.5
Articles of ferrous metals	597.2	5,901.9	-5,304.7	507.0	10,763.8	-10,256.8
Of which:						
CIS countries	143.2	1,093.4	-950.2	113.6	2,912.9	-2,799.3
Other countries	454.0	4,808.5	-4,354.5	393.4	7,850.9	-7,457.5
Articles of stone, plaster, cement, asbestos, mica or similar materials	707.3	1,872.3	-1,165.0	2,020.5	2,250.3	-229.8
Of which:						
CIS countries	439.0	181.5	257.5	1,903.3	401.3	1,502.0
Other countries	268.3	1,690.8	-1,422.5	117.2	1,849.0	-1,731.8
Copper and articles thereof	12,882.4	961.3	11,921.1	11,663.8	579.6	11,084.2
Of which:						
CIS countries	28.1	284.1	-256.0	58.2	296.9	-238.7
Other countries	12,854.3	677.2	12,177.1	11,605.6	282.7	11,322.9
Ferrous metals	9,581.6	9,412.3	169.3	11,628.5	14,805.6	-3,177.1
Of which:						
CIS countries	404.1	3,365.7	-2,961.6	9.1	8,937.9	-8,928.8
Other countries	9,177.5	6,046.6	3,130.9	11,619.4	5,867.7	5,751.7
Fuels, petroleum and petroleum products, bituminous substances; mineral waxes	17,158.0	187,200.8	-170,042.8	13,431.1	170,236.5	-156,805.4
Of which:						
CIS countries	7,680.0	86,921.1	-79,241.1	6,174.9	101,883.3	-95,708.4
Other countries	9,478.0	100,279.7	-90,801.7	7,256.2	68,353.2	-61,097.0
Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or isotopes	221.7	6,370.4	-6,148.7	63.5	7,774.3	-7,710.8
Of which:						
CIS countries	200.3	1,698.7	-1,498.4	62.7	2,238.4	-2,175.7
Other countries	21.4	4,671.7	-4,650.3	0.8	5,535.9	-5,535.1
Lead and articles thereof	337.0	20.2	316.8	11,663.8	579.6	11,084.2
Of which:						
CIS countries	--	10.7	-10.7	58.2	296.9	-238.7
Other countries	337.0	9.5	327.5	11,605.6	282.7	11,322.9
Miscellaneous articles of nonprecious metals	54.0	2,930.4	-2,876.4	46.6	2,978.8	-2,932.2
Of which:						
CIS countries	12.9	332.1	-319.2	2.8	441.1	-438.3
Other countries	41.1	2,598.3	-2,557.2	43.8	2,537.7	-2,493.9
Natural or cultured pearls, precious or semiprecious stones, precious metals	122,848.1	106,771.1	16,077.0	258,327.7	213,471.1	44,856.6
Of which:						
CIS countries	1,389.5	13,032.2	-11,642.7	1,645.4	15,389.3	-13,743.9
Other countries	121,458.6	93,738.9	27,719.7	256,682.3	198,081.8	58,600.5
Nickel and articles thereof	--	119.5	-119.5	--	59.3	-59.3
Of which:						
CIS countries	--	64.0	-64.0	--	43.1	-43.1
Other countries	--	55.5	-55.5	--	16.2	-16.2
Ores, slag and ash	20,492.4	1.7	20,490.7	28,242.0	10.6	28,231.4
Of which:						
CIS countries	742.7	--	742.7	2,032.4	2.4	2,030.0
Other countries	19,749.7	1.7	19,748.0	26,209.6	8.2	26,201.4

See footnotes at end of table.

TABLE 4--Continued
 ARMENIA: EXPORTS, IMPORTS, AND TRADE BALANCE OF SELECTED MINERAL PRODUCTS

(Thousand dollars)

Products	2001			2002		
	Exports	Imports	Trade balance	Exports	Imports	Trade balance
Other nonprecious metals, cermets, articles thereof	1,895.1	358.6	1,536.5	--	350.0	-350.0
Of which:						
CIS countries	--	54.3	-54.3	0.1	91.3	-91.2
Other countries	1,895.1	304.3	1,590.8	2,839.5	258.7	2,580.8
Salt; sulfur; earths and stone; plastering materials, lime and cement	234.9	988.3	-753.4	450.9	1,166.0	-715.1
Of which:						
CIS countries	231.6	115.2	116.4	431.7	294.5	137.2
Other countries	3.3	873.1	-869.8	19.2	871.5	-852.3
Tin and articles thereof	--	9.9	-9.9	--	53.5	-53.5
Of which:						
CIS countries	--	9.9	-9.9	--	53.5	-53.5
Other countries	--	--	--	--	--	--
Zinc and articles thereof	25.1	73.1	-48.0	22.0	25.4	-3.4
Of which:						
CIS countries	--	--	--	--	9.6	-9.6
Other countries	25.1	73.1	-48.0	22.0	15.8	6.2

-- Zero.

Source: Statistical Yearbook of Armenia, 2004, p. 460-478, accessed May 6, 2005, at URL <http://www.armstat.am/StatData>.

TABLE 5
AZERBAIJAN: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$2,314.2	100.00	\$1,431.1	100.00	\$883.1	\$2,167.5	100.00	\$1,665.7	100.00	\$501.8
Of which:										
Mineral products	2,117.9	91.52	248.1	17.34	1,869.8	1,927.8	88.94	324.7	19.49	1,603.1
Products of the chemical or allied industries	21.6	0.93	68.6	4.79	-47.0	35.7	1.65	83.1	4.99	-47.4
Articles of stone, cement, asbestos, mica, glass and glassware	0.2	0.01	20.7	1.45	-20.5	0.1	(2)	25.8	1.55	-25.7
Nonprecious metals and articles of nonprecious metal	19.0	0.82	132.1	9.23	-113.1	21.5	0.99	281.1	16.88	-259.6
Other	155.5	6.72	961.6	67.19	-806.1	182.4	8.42	951.0	57.09	-768.6
With CIS countries: ³										
Mineral products	113.5	50.94	188.8	42.41	-75.3	112.0	45.96	264.2	40.60	-152.2
Products of the chemical or allied industries	18.0	8.08	15.1	3.39	2.9	28.7	11.78	16.6	2.55	12.1
Articles of stone, cement, asbestos, mica, glass and glassware	0.1	0.04	6.0	1.35	-5.9	0.1	0.04	7.8	1.20	-7.7
Nonprecious metals and articles of nonprecious metal	1.8	0.81	43.9	9.86	-42.1	3.7	1.52	64.7	9.94	-61.0
Other	89.4	40.13	191.4	42.99	-102.0	99.2	40.71	297.4	45.70	-198.2
Total	222.8	100.00	445.2	100.00	-222.4	243.7	100.00	650.7	100.00	-407.0
With other countries of the world:										
Mineral products	2,004.4	95.84	59.3	6.01	1,945.1	1,815.8	94.39	60.5	5.96	1,755.3
Products of the chemical or allied industries	3.6	0.17	53.5	5.43	-49.9	7.0	0.36	66.5	6.55	-59.5
Articles of stone, cement, asbestos, mica, glass and glassware	0.1	(2)	14.7	1.49	-14.6	--	--	18.0	1.77	-18.0
Nonprecious metals and articles of nonprecious metal	17.2	0.82	88.2	8.95	-71.0	17.8	0.93	216.4	21.32	-198.6
Other	66.1	3.16	770.2	78.12	-704.1	83.2	4.32	653.6	64.39	-570.4
Total	2,091.4	100.00	985.9	100.00	1,105.5	1,923.8	100.00	1,015.0	100.00	908.8

-- Zero or zero percent.

¹Data may not add to totals shown owing to independent rounding.

²Less than 1/2 unit.

³Committee of the Commonwealth of Independent States (CIS).

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 6
AZERBAIJAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Crude petroleum:	2709				
Commonwealth of Independent States (CIS):					
Georgia		181.0	28,494.0	56.0	5,621.0
Russia		(4)	9.0	XX	XX
Total		181.0	28,503.0	56.0	5,621.0
Other countries:					
Croatia		134.0	18,646.0	0.2	33.0
France		280.0	57,885.0	761.0	143,079.0
Greece		137.0	20,338.0	140.0	26,784.0
Israel		744.0	153,892.0	642.0	105,191.0
Italy		6,416.0	1,205,244.0	5,652.0	937,621.0
Morocco		135.0	24,283.0	XX	XX
Spain		497.0	95,419.0	546.0	95,745.0
Switzerland		60.0	7,270.0	137.0	20,063.0
Turkey		0.2	33.0	135.0	26,198.0
United Kingdom		140.0	28,082.0	XX	XX
United States		XX	XX	270.0	44,459.0
Unspecified		418.8	85,884.0	454.8	71,473.0
Total		8,962.0	1,696,976.0	8,738.0	1,470,646.0
World total		9,143.0	1,725,479.0	8,794.0	1,476,267.0
Gasoline:	271000270, 271000290, 271000320, 271000340, 271000360				
CIS:					
Georgia		183.0	37,799.0	207.0	42,345.0
Kazakhstan		0.9	129.0	XX	XX
Kyrgyzstan		0.5	111.0	XX	XX
Tajikistan		0.2	39.0	XX	XX
Total		184.6	38,078.0	207.0	42,345.0
Other countries: Turkey		XX	XX	0.8	123.0
World total		184.6	38,078.0	207.8	42,468.0
Kerosene:	27100051				
CIS:					
Belarus		0.3	75.0	1.0	313.0
Georgia		25.0	4,973.0	24.0	4,753.0
Kazakhstan		0.6	117.0	8.0	1,515.0
Kyrgyzstan		XX	XX	6.0	853.0
Moldova		(4)	2.0	0.4	76.0
Russia		25.0	5,306.0	67.0	14,824.0
Tajikistan		4.0	546.0	40.0	6,615.0
Turkmenistan		(4)	8.0	(4)	10.0
Ukraine		0.3	420.0	37.0	858.0
Uzbekistan		3.0	74.0	5.0	7,272.0
Total		58.2	11,521.0	188.4	37,089.0
Other countries:					
United Kingdom		5.0	1,151.0	10.0	2,499.0
Germany		4.0	1,032.0	70.0	1,651.0
Greece		66.0	12,372.0	48.0	7,873.0
Israel		5.0	984.0	46.0	9,404.0
Italy		182.0	33,739.0	50.0	8,977.0
Luxembourg		XX	XX	21.0	4,538.0
Netherlands		XX	XX	26.0	4,735.0
Romania		3.0	349.0	XX	XX
France		18.0	3,412.0	XX	XX
Unspecified		1.0	553.0	(4)	1,304.0
Total		284.0	53,592.0	214.0	40,981.0
World total		342.2	65,113.0	402.4	78,070.0

See footnotes at end of table.

TABLE 6--Continued
AZERBAIJAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Gas oils (diesel fuel):	271000610-271000690				
CIS:					
Georgia		104.0	19,974.0	68.0	12,342.0
Kazakhstan		10.0	1,588.0	12.0	2,388.0
Russia		11.0	2,403.0	0.1	12.0
Total		125.0	23,965.0	80.1	14,742.0
Other countries:					
Argentina		66.0	13,519.0	13.0	2,081.0
France		22.0	3,520.0	122.0	22,573.0
Greece		101.0	17,879.0	117.0	19,245.0
Israel		16.0	2,917.0	92.0	16,919.0
Italy		345.0	58,755.0	239.0	42,412.0
Malta		39.0	6,446.0	25.0	4,851.0
Romania		8.0	1,485.0	3.0	581.0
Slovenia		8.0	1,650.0	31.0	4,812.0
Spain		31.0	6,246.0	49.0	7,874.0
Turkey		253.0	46,735.0	188.0	30,062.0
Unspecified		220.0	39,717.0	97.0	16,386.0
Total		1,109.0	198,869.0	976.0	167,796.0
World total		1,234.0	222,834.0	1,056.1	182,538.0
Liquid fuels (mazut):	271000710- 271000780				
CIS: Georgia		0.3	39.0	6.0	675.0
Other countries:					
Israel		37.0	3,392.0	146.0	14,448.0
Italy		277.0	24,538.0	770.0	84,286.0
Romania		68.0	5,470.0	12.0	1,093.0
Unspecified		111.0	8,702.0	62.0	7,394.0
Total		493.0	42,102.0	990.0	107,221.0
World total		493.3	42,141.0	996.0	107,896.0
Lubricating oils, other oils:	271000810-271000980				
CIS:					
Belarus		XX	XX	(4)	0.6
Georgia		5.0	882.0	0.6	166.0
Kazakhstan		(4)	0.1	0.1	17.0
Russia		1.0	18.0	(4)	21.0
Tajikistan		XX	XX	0.1	23.0
Turkmenistan		(4)	2.0	0.3	117.0
Ukraine		2.0	587.0	3.0	662.0
Total		8.0	1,489.1	4.1	1,006.6
Other countries:					
Afghanistan		0.3	84.0	XX	XX
United Arab Emirates		3.0	497.0	XX	XX
Turkey		XX	XX	0.1	33.0
Unspecified		(4)	3.0	--	--
Total		3.3	584.0	0.1	33.0
World total		11.3	2,073.1	4.2	1,039.6
Artificial corundum; aluminum oxide and hydroxide:	2818				
CIS:					
Georgia	metric tons	XX	XX	65.0	9.0
Russia	do.	10,690.0	1,399.0	474.0	84.0
Tajikistan	do.	78,203.0	7,789.0	93,435.0	16,868.0
Turkmenistan	do.	240.0	33.0	60.0	9.0
Uzbekistan	do.	180.0	26.0	XX	XX
Total	do.	89,313.0	9,247.0	94,034.0	16,970.0
Other countries: Iran	do.	3,726.0	474.0	494.0	102.0
World total	do.	93,039.0	9,721.0	94,528.0	17,072.0

See footnotes at end of table.

TABLE 6--Continued
AZERBAIJAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 7
AZERBAIJAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Portland cement, cement:	2709				
Commonwealth of Independent States (CIS):					
Georgia		17,000.0	750.0	2,000.0	52.0
Russia		45,000.0	1,907.0	158,000.0	4,773.0
Turkmenistan		XX	XX	(4)	1.0
Total		62,000.0	2,657.0	160,000.0	4,826.0
Other countries:					
Iran		169,000.0	7,880.0	174,000.0	4,674.0
Turkey		3,000.0	445.0	3,000.0	379.0
United Arab Emirates		6,000.0	872.0	5,000.0	753.0
Unspecified		(4)	130.0	(4)	45.0
Total		178,000.0	9,327.0	182,000.0	5,851.0
World total		240,000.0	11,984.0	342,000.0	10,677.0
Gas oils (diesel fuel):	271000610-271000690				
CIS: Russia		531.0	679.0	612.0	565.0
Other countries:					
Bermuda		1,276.0	2,299.0	733.0	969.0
Iran		875.0	83.0	211.0	14.0
Japan		437.0	731.0	XX	XX
United Kingdom		3,450.0	6,109.0	1,186.0	1,630.0
United States		304.0	511.0	XX	XX
Unspecified		302.0	151.0	1.0	(4)
Total		6,644.0	9,884.0	2,131.0	2,613.0
World total		7,175.0	10,563.0	2,743.0	3,178.0
Liquid fuels (mazut):	271000710-271000780				
CIS: Russia		XX	XX	755.0	67.0
Other countries: United States		XX	XX	XX	XX
World total		XX	XX	755.0	67.0
Tubes, pipes, of cast iron or steel:	7303-7306				
CIS:					
Belarus		XX	XX	2.0	1.0
Georgia		1,077.0	203.0	1,223.0	224.0
Kazakhstan		XX	XX	4.0	13.0
Russia		12,407.0	6,095.0	37,883.0	18,802.0
Turkmenistan		XX	XX	3.0	4.0
Ukraine		11,723.0	4,211.0	16,326.0	7,060.0
Uzbekistan		XX	XX	0.3	1.0
Total		25,207.0	10,509.0	55,441.3	26,105.0
Other countries:					
Austria		5,851.0	5,202.0	348.0	320.0
France		105.0	266.0	174,238.0	89,711.0
Germany		15,717.0	12,762.0	4,688.0	8,060.0
Italy		1,083.0	1,685.0	2,393.0	3,748.0
Japan		4,036.0	6,984.0	8,979.0	10,620.0
Mexico		2,061.0	2,274.0	XX	XX
Poland		36.0	119.0	1.0	38.0
Singapore		414.0	374.0	106.0	146.0
Turkey		131.0	272.0	652.0	752.0
United Kingdom		1,917.0	4,513.0	4,600.0	7,521.0
United States		1,644.0	6,977.0	296.0	1,156.0
Unspecified		29,798.0	10,343.0	5,090.0	6,544.0
Total		61,149.0	44,794.0	201,095.0	127,460.0
World total		86,356.0	55,303.0	256,536.3	153,565.0

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

TABLE 7--Continued
AZERBAIJAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 8
BELARUS: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$7,450.6	100.0	\$8,286.4	100.0	-\$835.8	\$8,020.9	100.0	\$9,092.3	100.0	-\$1,071.4
Of which:										
Mineral products	1,354.5	18.2	2,277.7	27.5	-923.2	1,680.0	20.9	2,392.5	26.3	-712.5
Products of the chemical or allied industries	850.5	11.4	715.4	8.6	135.1	827.1	10.3	724.0	8.0	103.1
Articles of stone, cement, asbestos, mica, glass and glassware	217.1	2.9	110.9	1.3	106.2	230.7	2.9	121.4	1.3	109.3
Nonprecious metals and articles of nonprecious metal	564.0	7.6	154.6	1.9	409.4	663.0	8.3	1,007.8	11.1	-344.8
Other	4,464.5	59.9	5,027.8	60.7	-563.3	4,620.1	57.6	4,846.6	53.3	-226.5
With CIS countries: ²										
Mineral products	260.5	5.8	2,227.6	38.4	-1,967.1	131.5	3.0	2,320.7	36.9	-2,189.2
Products of the chemical or allied industries	243.0	5.4	381.2	6.6	-138.2	205.2	4.7	391.3	6.2	-186.1
Articles of stone, cement, asbestos, mica, glass and glassware	179.2	4.0	78.3	1.4	100.9	200.2	4.6	85.2	1.4	115.0
Nonprecious metals and articles of nonprecious metal	306.2	6.8	43.9	0.8	262.3	341.2	7.8	889.6	14.1	-548.4
Other	3,504.8	78.0	3,065.8	52.9	439.0	3,506.3	80.0	2,608.5	41.4	897.8
Total	4,493.7	100.0	5,796.8	100.0	-1,303.1	4,384.4	100.0	6,295.3	100.0	-1,910.9
With other countries of the world:										
Mineral products	1,094.0	37.0	50.1	2.0	1,043.9	1,548.5	42.6	71.8	2.6	1,476.7
Products of the chemical or allied industries	607.5	20.5	334.2	13.4	273.3	621.9	17.1	332.7	11.9	289.2
Articles of stone, cement, asbestos, mica, glass and glassware	37.9	1.3	32.6	1.3	5.3	30.5	0.8	36.2	1.3	-5.7
Nonprecious metals and articles of nonprecious metal	257.8	8.7	110.7	4.4	147.1	321.8	8.8	118.2	4.2	203.6
Other	959.7	32.5	1,962.0	78.8	-1,002.3	1,113.8	30.6	2,238.1	80.0	-1,124.3
Total	2,956.9	100.0	2,489.6	100.0	467.3	3,636.5	100.0	2,797.0	100.0	839.5

¹Data may not add to totals shown owing to independent rounding.

²Commonwealth of Independent States (CIS).

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 9
 BELARUS: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Petroleum products:					
	2710				
Commonwealth of Independent States (CIS):					
Kazakhstan		XX	XX	(4)	1.0
Moldova		114.0	21,955.0	99.0	17,931.0
Russia		172.0	39,996.0	47.0	11,847.0
Turkmenistan		XX	XX	(4)	0.7
Ukraine		746.0	153,664.0	217.0	48,246.0
Total		1,032.0	215,615.0	363.0	78,025.7
Other countries:					
Estonia		949.0	113,782.0	316.0	43,563.0
Germany		49.0	7,526.0	201.0	21,724.0
Hungary		260.0	50,367.0	287.0	47,480.0
Latvia		2,380.0	408,773.0	2,834.0	431,547.0
Lithuania		970.0	116,774.0	769.0	78,580.0
Netherlands		575.0	70,265.0	1,733.0	222,916.0
Poland		36.0	7,772.0	213.0	42,684.0
Romania		58.0	6,071.0	58.0	10,747.0
United Kingdom		1,210.0	196,483.0	2,845.0	456,668.0
Unspecified		139.0	15,234.0	256.0	44,856.0
Total		6,626.0	993,047.0	9,512.0	1,400,765.0
World total		7,658.0	1,208,662.0	9,875.0	1,478,790.7
Mineral or chemical fertilizers:					
Nitrogenous, nitrogen:					
	3102				
CIS:					
Moldova		0.1	13.0	(4)	2.0
Russia		99.0	15,120.0	66.0	9,917.0
Ukraine		3.0	540.0	1.0	164.0
Total		102.1	15,673.0	67.0	10,083.0
Other countries:					
Latvia		67.0	11,381.0	88.0	15,145.0
Lithuania		194.0	35,980.0	223.0	37,358.0
Unspecified		1.0	107.0	7.0	1,570.0
Total		262.0	47,468.0	318.0	54,073.0
World total		364.1	63,141.0	385.0	64,156.0
Potassic (K ₂ O):					
	3104				
CIS:					
Moldova		0.1	8.0	0.2	29.0
Russia		4.0	483.0	8.0	999.0
Ukraine		25.0	2,646.0	22.0	2,385.0
Total		29.1	3,137.0	30.2	3,413.0
Other countries:					
Bangladesh		37.0	4,993.0	59.0	7,558.0
Brazil		476.0	76,336.0	591.0	88,728.0
China		795.0	110,578.0	861.0	120,917.0
Croatia		95.0	12,388.0	62.0	8,222.0
India		476.0	61,049.0	319.0	40,896.0
Lithuania		63.0	7,272.0	78.0	8,978.0
Malaysia		112.0	15,359.0	191.0	25,088.0
Norway		120.0	18,797.0	163.0	24,887.0
Poland		273.0	36,301.0	281.0	37,313.0
South Africa		35.0	5,697.0	29.0	4,593.0
Sweden		47.0	6,839.0	58.0	8,388.0
United States		141.0	18,402.0	174.0	23,226.0
Vietnam		89.0	12,615.0	53.0	7,568.0

See footnotes at end of table.

TABLE 9--Continued
 BELARUS: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Mineral or chemical fertilizers--Continued:					
Potassic (K ₂ O)--Continued:	3104				
Other countries--Continued:					
Yugoslavia		14.0	2,148.0	28.0	4,114.0
Unspecified		-1,493.0	71,486.0	(4)	49,200.0
Total		3,281.0	460,260.0	3,299.0	459,676.0
World total		3,310.1	463,397.0	3,329.2	463,089.0

XX Not applicable.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 10
 BELARUS: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002		
		Quantity	Value ³	Quantity	Value ³	
Coal:	2701					
Commonwealth of Independent States (CIS):						
Russia		227.0	11,058.0	287.0	11,200.0	
Ukraine		5.0	140.0	0.4	17.0	
Total		232.0	11,198.0	287.4	11,217.0	
Other countries:						
United Kingdom		XX	XX	(4)	25.0	
Germany		0.2	73.0	(4)	13.0	
United States		0.1	3.0	XX	XX	
Unspecified		--	--	(4)	2.0	
Total		0.3	76.0	0.1	40.0	
World total		232.3	11,274.0	287.5	11,257.0	
Crude petroleum: CIS: Russia	2709	11,913.0	1,379,638.0	14,024.0	1,504,521.0	
Petroleum products:	2710					
CIS:						
Kyrgyzstan		XX	XX	(4)	4.0	
Russia		367.0	82,047.0	491.0	87,309.0	
Ukraine		(4)	13.0	(4)	32.0	
Total		367.0	82,060.0	491.0	87,345.0	
Other countries:						
Belgium		0.2	360.0	0.5	672.0	
Germany		3.0	3,402.0	4.0	4,596.0	
Denmark		0.2	315.0	0.3	392.0	
Latvia		0.2	178.0	(4)	47.0	
Lithuania		1.0	245.0	0.2	111.0	
Netherlands		0.1	193.0	(4)	86.0	
Poland		1.0	947.0	1.0	895.0	
Slovakia		0.4	430.0	0.3	265.0	
Finland		0.9	1,564.0	1.0	1,984.0	
France		0.3	370.0	0.5	634.0	
Sweden		0.7	611.0	0.6	578.0	
Unspecified		1.0	547.0	1.6	802.0	
Total		9.0	9,162.0	10.0	11,062.0	
World total		376.0	91,222.0	501.0	98,407.0	
Natural gas: CIS: Russia	billion cubic meters	271121000	17.0	536,749.0	18.0	538,549.0
Iron and steel:	72					
CIS:						
Armenia		(4)	143.0	XX	XX	
Georgia		0.1	81.0	XX	XX	
Kazakhstan		3.0	938.0	5.0	1,658.0	
Moldova		XX	XX	0.2	52.0	
Russia		1,738.0	425,674.0	1,685.0	407,922.0	
Ukraine		166.0	49,433.0	174.0	44,275.0	
Unspecified		--	--	0.8	(4)	
Total		1,907.1	476,269.0	1,865.0	453,907.0	
Other countries:						
Germany		8.0	4,046.0	9.0	5,819.0	
Italy		4.0	4,618.0	6.0	5,407.0	
Latvia		1.0	127.0	1.0	222.0	
Lithuania		2.0	1,441.0	1.0	823.0	
Poland		3.0	1,422.0	1.0	880.0	
Finland		1.0	1,120.0	0.7	774.0	
Unspecified		7.0	5,216.0	(4)	5,263.0	
Total		26.0	17,990.0	23.0	19,188.0	
World total		1,933.1	494,259.0	1,888.0	473,095.0	

See footnotes at end of table.

TABLE 10--Continued
 BELARUS: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 11
 GEORGIA: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance (millions)	Exports		Imports		Trade balance (millions)
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$320.0	100.0	\$678.7	100.0	-\$358.7	\$325.0	100.0	\$720.0	100.0	-\$395.0
Of which:										
Mineral products	52.1	16.3	159.4	23.5	-107.3	37.2	11.4	158.8	22.1	-121.6
Products of the chemical or allied industries	16.8	5.3	63.4	9.3	-46.6	21.4	6.6	76.0	10.6	-54.6
Articles of stone, cement, asbestos, mica, glass and glassware	1.2	0.4	16.2	2.4	-15.0	0.3	0.1	15.1	2.1	-14.8
Nonprecious metals and articles of nonprecious metal	7.9	2.5	19.9	2.9	-12.0	4.3	1.3	19.9	2.8	-15.6
Other	242.0	75.6	419.8	61.9	-177.8	261.8	80.6	450.2	62.5	-188.4
With CIS countries: ²										
Mineral products	11.3	7.8	137.0	54.6	-125.7	16.2	10.2	146.0	52.3	-129.8
Products of the chemical or allied industries	9.5	6.6	10.0	4.0	-0.5	8.3	5.2	15.2	5.4	-6.9
Articles of stone, cement, asbestos, mica, glass and glassware	0.9	0.6	3.2	1.3	-2.3	0.2	0.1	3.7	1.3	-3.5
Nonprecious metals and articles of nonprecious metal	7.9	5.5	19.9	7.9	-12.0	4.3	2.7	19.9	7.1	-15.6
Other	114.8	79.5	80.8	32.2	34.0	129.3	81.7	94.3	33.8	35.0
Total	144.4	100.0	250.9	100.0	-106.5	158.3	100.0	279.1	100.0	-120.8
With other countries of the world:										
Mineral products	40.8	23.2	22.4	5.2	18.4	21.0	12.6	12.8	2.9	8.2
Products of the chemical or allied industries	7.3	4.2	53.4	12.5	-46.1	13.1	7.9	60.8	13.8	-47.7
Articles of stone, cement, asbestos, mica, glass and glassware	0.3	0.2	13.0	3.0	-12.7	0.1	0.1	11.4	2.6	-11.3
Nonprecious metals and articles of nonprecious metal	--	--	--	--	--	--	--	--	--	--
Other	127.2	72.4	339.0	79.2	-211.8	132.5	79.5	355.9	80.7	-223.4
Total	175.6	100.0	427.8	100.0	-252.2	166.7	100.0	440.9	100.0	-274.2

-- Zero or zero percent.

¹Data may not add to totals shown owing to independent rounding.

²Commonwealth of Independent States (CIS).

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 12
 GEORGIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Motor benzine, Commonwealth Independent States (CIS)	271000270, 271000290, 271000320, 271000340, 271000360	2,251.0	429.0	XX	XX
Gas oils (diesel fuel):	271000610-271000690				
CIS		10,187.0	2,164.0	15,055.0	2,898.0
Other countries		3,652.0	806.0	882.0	150.0
Total		13,839.0	2,970.0	15,937.0	3,048.0
Liquid fuels (mazut):	271000710-271000780				
CIS		--	--	2,364.0	133.0
Other countries		3,707.0	120.0	10,023.0	758.0
Total		3,707.0	120.0	12,387.0	891.0
Lubricating oils, other oils:	271000810-271000980				
CIS		1,112.0	1,175.0	39.0	39.0
Other countries		775.0	155.0	XX	XX
Total		1,887.0	1,330.0	39.0	39.0
Mineral or chemical fertilizers, nitrogenous:	3102				
CIS		32,000.0	3,097.0	34,000.0	2,842.0
Other countries		24,000.0	1,801.0	118,000.0	8,156.0
Total		56,000.0	4,898.0	152,000.0	10,998.0
Ferrous waste and scrap:	7204				
CIS		(4)	5.0	XX	XX
Other countries		723,000.0	32,920.0	714,000.0	31,531.0
Total		723,000.0	32,925.0	714,000.0	31,531.0
Aluminum:					
Unwrought:	7601				
CIS		32.0	9.0	XX	XX
Other countries		3,132.0	2,732.0	5,332.0	4,411.0
Total		3,164.0	2,741.0	5,332.0	4,411.0
Waste and scrap:	7602				
CIS		20.0	12.0	XX	XX
Other countries		23,822.0	15,360.0	8,119.0	4,762.0
Total		23,842.0	15,372.0	8,119.0	4,762.0

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 13
 GEORGIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Portland cement, cement:	2523				
Commonwealth of Independent States (CIS)		19,073.0	775.0	14,794.0	520.0
Other countries		4,461.0	311.0	7,138.0	389.0
Total		23,534.0	1,086.0	21,932.0	909.0
Petroleum oils:	2710				
CIS		303,000.0	67,786.0	354,000.0	77,712.0
Other countries		74,000.0	19,943.0	34,000.0	9,548.0
Total		377,000.0	87,729.0	388,000.0	87,260.0
	271000270, 271000290, 271000320, 271000340, 271000360				
Motor benzine:					
CIS		189.0	44,833.0	239.0	53,893.0
Other countries		71.0	19,088.0	30.0	8,900.0
Total		260.0	63,921.0	269.0	62,793.0
Gas oils (diesel fuel):	271000610-271000690				
CIS		76.0	15,586.0	87.0	17,919.0
Other countries		1.0	36.0	4.0	806.0
Total		77.0	15,622.0	91.0	18,725.0
Mineral or chemical fertilizers, potassic:	3104				
CIS		303.0	180.0	300.0	137.0
Other countries		50.0	25.0	27.0	8.0
Total		353.0	205.0	327.0	145.0
Bars and rods, hot-rolled, of carbon steel:	7214				
CIS		19,913.0	3,979.0	27,256.0	5,418.0
Other countries		514.0	114.0	253.0	59.0
Total		20,427.0	4,093.0	27,509.0	5,477.0
Tubes, pipes and hollow profiles, seamless, of iron or steel:	7304				
CIS		1,488.0	1,084.0	1,094.0	501.0
Other countries		1,621.0	1,871.0	890.0	655.0
Total		3,109.0	2,955.0	1,984.0	1,156.0

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 14
KAZAKHSTAN: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$8,639.1	100.0	\$6,446.0	100.0	\$2,193.1	\$9,670.3	100.0	\$6,584.0	100.0	\$3,086.3
Of which:										
Mineral products	5,028.8	58.2	904.4	14.0	4,124.4	5,917.5	61.2	822.9	12.5	5,094.6
Products of the chemical or allied industries	405.8	4.7	667.1	10.3	-261.3	418.6	4.3	715.7	10.9	-297.1
Articles of stone, cement, asbestos, mica, glass and glassware	3.4	(2)	114.2	1.8	-110.8	1.9	(2)	136.1	2.1	-134.2
Nonprecious metals and articles of nonprecious metal	2,109.8	24.4	889.6	13.8	1,220.2	2,234.1	23.1	738.0	11.2	1,496.1
Other	1,091.3	12.6	3,870.7	60.0	-2,779.4	1,098.2	11.4	4,171.3	63.4	-3,073.1
With CIS countries: ³										
Mineral products	1,598.8	60.5	789.5	23.9	809.3	1,344.0	61.2	760.3	25.0	583.7
Products of the chemical or allied industries	255.9	9.7	367.5	11.1	-111.6	215.9	9.8	348.8	11.5	-132.9
Articles of stone, cement, asbestos, mica, glass and glassware	2.3	0.1	67.0	2.0	-64.7	1.8	0.1	72.7	2.4	-70.9
Nonprecious metals and articles of nonprecious metal	237.5	9.0	493.3	14.9	-255.8	244.1	11.1	371.3	12.2	-127.2
Other	550.1	20.8	1,592.2	48.1	-1,042.1	388.6	17.7	1,490.1	49.0	-1,101.5
Total	2,644.6	100.0	3,309.5	100.0	-664.9	2,194.4	100.0	3,043.2	100.0	-848.8
With other countries of the world:										
Mineral products	3,430.0	57.2	114.9	3.7	3,315.1	4,573.5	61.2	62.6	1.8	4,510.9
Products of the chemical or allied industries	149.9	2.5	299.6	9.6	-149.7	202.7	2.7	366.9	10.4	-164.2
Articles of stone, cement, asbestos, mica, glass and glassware	1.1	(2)	47.2	1.5	-46.1	0.1	(2)	63.4	1.8	-63.3
Nonprecious metals and articles of nonprecious metal	1,872.3	31.2	396.3	12.6	1,476.0	1,990.0	26.6	366.7	10.4	1,623.3
Other	541.2	9.0	2,278.5	72.6	-1,737.3	709.6	9.5	2,681.2	75.7	-1,971.6
Total	5,994.5	100.0	3,136.5	100.0	2,858.0	7,475.9	100.0	3,540.8	100.0	3,935.1

¹Data may not add to totals owing to independent rounding.

²Less than 1/2 unit.

³Commonwealth of Independent States (CIS).

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 15
KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Iron ores and concentrates, including roasted iron pyrites:	2601				
CIS:					
Kyrgyzstan		17,000.0	203.0	22,000.0	282.0
Russia		7,225,000.0	84,014.0	8,530,000.0	103,412.0
Turkmenistan		1,000.0	11.0	XX	XX
Total		7,243,000.0	84,228.0	8,552,000.0	103,694.0
Other countries:					
China		100,000.0	1,299.0	470,000.0	6,329.0
Unspecified		(4)	7.0	(4)	1.0
Total		100,000.0	1,306.0	470,000.0	6,330.0
World total		7,343,000.0	85,534.0	9,022,000.0	110,024.0
Coal:	2701				
CIS:					
Kyrgyzstan		717,000.0	12,360.0	533,000.0	9,615.0
Russia		27,072,000.0	209,209.0	20,808,000.0	140,026.0
Ukraine		2,000.0	91.0	11,000.0	333.0
Uzbekistan		XX	XX	800.0	29.0
Total		27,791,000.0	221,660.0	21,352,800.0	150,003.0
Other countries:					
Finland		319,000.0	2,654.0	78,000.0	589.0
Netherlands		145,000.0	1,041.0	26,000.0	197.0
Romania		100,000.0	5,564.0	760,000.0	17,889.0
Unspecified		160,000.0	1,312.0	447,000.0	3,683.0
Total		724,000.0	10,571.0	1,311,000.0	22,358.0
World total		28,515,000.0	232,231.0	22,663,800.0	172,361.0
Crude petroleum:	2709				
CIS:					
Kyrgyzstan		XX	XX	4,000.0	388.0
Russia		5,346,000.0	514,355.0	6,349,000.0	437,887.0
Ukraine		3,731,000.0	448,059.0	2,476,000.0	219,448.0
Total		9,077,000.0	962,414.0	8,829,000.0	657,723.0
Other countries:					
Bermuda		8,040,000.0	1,221,212.0	12,376,000.0	2,011,298.0
British Virgin Islands		3,008,000.0	440,748.0	870,000.0	123,687.0
China		672,000.0	100,795.0	635,000.0	79,087.0
Finland		243,000.0	24,886.0	243,000.0	26,797.0
Germany		1,411,000.0	207,895.0	719,000.0	106,420.0
Italy		4,366,000.0	547,073.0	4,636,000.0	581,016.0
Panama		105,000.0	10,064.0	51,000.0	4,645.0
Poland		1,101,000.0	144,041.0	2,398,000.0	292,336.0
Romania		XX	XX	719,000.0	98,898.0
Switzerland		467,000.0	58,826.0	2,324,000.0	347,589.0
United Arab Emirates		2,133,000.0	301,027.0	3,358,000.0	452,458.0
United Kingdom		1,383,000.0	185,304.0	729,000.0	80,737.0
Unspecified		372,000.0	50,462.0	(4)	165,195.0
Total		23,301,000.0	3,292,333.0	30,305,000.0	4,370,163.0
World total		32,378,000.0	4,254,747.0	39,134,000.0	5,027,886.0
	271000270, 271000290, 271000320, 271000340, 271000360				
Motor benzine:					
CIS:					
Kyrgyzstan		66,029.0	14,152.0	84,050.0	12,485.0
Russia		2,021.0	246.0	XX	XX
Tajikistan		24,236.0	4,978.0	16,832.0	2,364.0
Uzbekistan		986.0	227.0	1,328.0	224.0
Total		93,272.0	19,603.0	102,210.0	15,073.0

See footnotes at end of table.

TABLE 15--Continued
KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Motor benzine--Continued:	271000270, 271000290, 271000320, 271000340, 271000360				
Other countries:					
Afghanistan		XX	XX	23,682.0	2,507.0
Mongolia		3,964.0	807.0	2,836.0	547.0
Unspecified		90.0	18.0	--	--
Total		4,054.0	825.0	26,518.0	3,054.0
World total		97,326.0	20,428.0	128,728.0	18,127.0
Gas oils (diesel fuel):	271000610-271000690				
CIS:					
Kyrgyzstan		30,156.0	7,028.0	43,445.0	6,623.0
Russia		158,688.0	11,923.0	XX	XX
Tajikistan		180.0	31.0	4,611.0	602.0
Uzbekistan		114.0	20.0	1,272.0	165.0
Total		189,138.0	19,002.0	49,328.0	7,390.0
Other countries:					
Finland		27,921.0	2,139.0	36,539.0	3,616.0
Germany		25,639.0	3,690.0	XX	XX
Italy		66,378.0	8,672.0	55,444.0	4,755.0
United Kingdom		9,867.0	1,367.0	47,528.0	4,707.0
Unspecified		14,508.0	2,562.0	27,613.0	3,458.0
Total		144,313.0	18,430.0	167,124.0	16,536.0
World total		333,451.0	37,432.0	216,452.0	23,926.0
Liquid fuels (mazut):	271000710-271000780				
CIS:					
Kyrgyzstan		11,221.0	695.0	8,441.0	516.0
Russia		126,582.0	6,404.0	0.2	2.0
Tajikistan		3,391.0	197.0	XX	XX
Ukraine		12,894.0	983.0	XX	XX
Total		154,088.0	8,279.0	8,441.2	518.0
Other countries:					
Iran		XX	XX	49,964.0	3,383.0
Italy		736,828.0	48,584.0	556,649.0	46,441.0
Turkey		XX	XX	36,221.0	3,640.0
United Kingdom		52,071.0	3,405.0	XX	XX
Unspecified		66,128.0	5,102.0	16,811.0	2,171.0
Total		855,027.0	57,091.0	659,645.0	55,635.0
World total		1,009,115.0	65,370.0	668,086.2	56,153.0
Natural gas:	271121000				
CIS:					
Armenia	million cubic meters	20.0	246.0	51.0	1,261.0
Azerbaijan	do.	734.0	8,397.0	1,911.0	47,949.0
Georgia	do.	10.0	123.0	73.0	1,841.0
Kyrgyzstan	do.	XX	XX	22.0	941.0
Moldova	do.	XX	XX	35.0	1,085.0
Russia	do.	4,775.0	70,309.0	7,167.0	125,347.0
Ukraine	do.	XX	XX	803.0	24,893.0
Uzbekistan	do.	XX	XX	39.0	1,573.0
Total	do.	5,539.0	79,075.0	10,101.0	204,890.0
Other countries:					
Germany	do.	XX	XX	43.0	1,332.0
Netherlands	do.	(4)	0.1	XX	XX
Slovakia	do.	XX	XX	293.0	9,083.0

See footnotes at end of table.

TABLE 15--Continued
KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Natural gas--Continued:	271121000				
Other countries--Continued:					
United Kingdom	million cubic meters	(4)	0.1	XX	XX
Unspecified	do.	--	--	(4)	1.0
Total	do.	(4)	0.2	336.0	10,416.0
World total	do.	5,539.0	79,075.2	10,437.0	215,306.0
Artificial corundum, aluminum oxide and hydroxide:	2818				
CIS:					
Russia		1,080,000.0	161,026.0	22,000.0	282.0
Tajikistan		50,000.0	8,850.0	8,530,000.0	103,412.0
Uzbekistan		XX	XX	XX	XX
Total		1,130,000.0	169,876.0	8,552,000.0	103,694.0
Other countries:					
Bahamas, The		XX	XX	235,000.0	29,344.0
China		64,000.0	9,977.0	66,000.0	8,710.0
Unspecified		--	--	1,000.0	(4)
Total		64,000.0	9,977.0	302,000.0	38,054.0
World total		1,194,000.0	179,853.0	8,854,000.0	141,748.0
Mineral or chemical fertilizers containing 2 or 3 of the fertilizing elements--nitrogen, phosphorous, and potassium; other fertilizers:	3105				
CIS:					
Kyrgyzstan		229.0	28.0	192.0	24.0
Russia		2,574.0	373.0	128.0	18.0
Tajikistan		4,068.0	490.0	1,745.0	230.0
Ukraine		8,806.0	1,409.0	9,808.0	1,352.0
Uzbekistan		XX	XX	128.0	17.0
Total		15,677.0	2,300.0	12,001.0	1,641.0
Other countries:					
China		9,954.0	1,234.0	66,509.0	8,883.0
Unspecified		128.0	17.0	2,884.0	408.0
Total		10,082.0	1,251.0	69,393.0	9,291.0
World total		25,759.0	3,551.0	81,394.0	10,932.0
Ferroalloys:	7202				
CIS:					
Moldova		XX	XX	1,508.0	554.0
Russia		32,838.0	10,621.0	105,452.0	37,347.0
Ukraine		3,874.0	1,249.0	14,178.0	5,669.0
Uzbekistan		290.0	45.0	473.0	94.0
Total		37,002.0	11,915.0	121,611.0	43,664.0
Other countries:					
China		XX	XX	39,945.0	13,088.0
Netherlands		172,938.0	73,265.0	180,132.0	74,463.0
Switzerland		611,297.0	229,328.0	608,060.0	209,070.0
Unspecified		1,283.0	564.0	968.0	482.0
Total		785,518.0	303,157.0	829,105.0	297,103.0
World total		822,520.0	315,072.0	950,716.0	340,767.0
Flat-rolled products of iron or nonalloy steel:	7208-7212				
CIS:					
Armenia		XX	28.0	XX	29.0
Azerbaijan		XX	966.0	XX	1,463.0
Belarus		XX	1,179.0	XX	1,904.0
Georgia		XX	71.0	XX	196.0
Kyrgyzstan		XX	1,643.0	XX	1,896.0
Russia		XX	128,872.0	XX	105,022.0

See footnotes at end of table.

TABLE 15--Continued
KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Flat-rolled products of iron or nonalloy steel--Continued:	7208-7212				
CIS--Continued:					
Tajikistan		XX	146.0	XX	165.0
Turkmenistan		XX	189.0	XX	(4)
Ukraine		XX	13,429.0	XX	20,936.0
Uzbekistan		XX	15,179.0	XX	14,376.0
Total		XX	161,702.0	XX	145,987.0
Other countries:					
China		XX	183,391.0	XX	286,466.0
Iran		XX	145,533.0	XX	143,760.0
Republic of Korea		XX	5,458.0	XX	13,026.0
Turkey		XX	10,368.0	XX	6,446.0
Vietnam		XX	12,133.0	XX	26,659.0
Unspecified		XX	58,627.0	XX	93,358.0
Total		XX	415,510.0	XX	569,715.0
World total		XX	577,212.0	XX	715,702.0
Refined copper and copper alloys, unwrought:	7403				
CIS: Russia		6.0	10.0	12.0	92.0
Other countries:					
China		75,312.0	106,539.0	210,221.0	303,705.0
Germany		122,714.0	191,945.0	12,831.0	19,575.0
Greece		XX	XX	15,256.0	22,919.0
Italy		200,046.0	306,217.0	154,704.0	230,987.0
Unspecified		21.0	35.0	331.0	468.0
Total		398,093.0	604,736.0	393,343.0	577,654.0
World total		398,099.0	604,746.0	393,355.0	577,746.0
Unwrought lead:	7801				
CIS:					
Azerbaijan		128.0	66.0	105.0	53.0
Kyrgyzstan		21.0	11.0	XX	XX
Russia		39,116.0	20,858.0	41,768.0	20,225.0
Tajikistan		XX	XX	120.0	58.0
Ukraine		XX	XX	1,290.0	601.0
Uzbekistan		565.0	284.0	1,231.0	495.0
Total		39,830.0	21,219.0	44,514.0	21,432.0
Other countries:					
British Virgin Islands		XX	XX	20,854.0	7,473.0
China		100.0	44.0	17,141.0	5,768.0
Iran		12,509.0	4,926.0	XX	XX
Italy		24,496.0	9,326.0	5,326.0	2,482.0
Spain		15,353.0	5,455.0	XX	XX
Switzerland		1,000.0	460.0	36,447.0	12,712.0
Turkey		8,663.0	3,388.0	4,976.0	2,222.0
United Kingdom		13,183.0	4,595.0	XX	XX
Unspecified		19,191.0	6,800.0	2,658.0	1,145.0
Total		94,495.0	34,994.0	87,402.0	31,802.0
World total		134,325.0	56,213.0	131,916.0	53,234.0
Unwrought zinc:	7901				
CIS:					
Kyrgyzstan		XX	XX	1.0	2.0
Russia		1,452.0	1,548.0	819.0	646.0
Total		1,452.0	1,548.0	820.0	648.0
Other countries:					
British Virgin Islands		XX	XX	62,766.0	36,838.0
China		XX	XX	45,664.0	26,398.0
Italy		24,799.0	15,982.0	XX	XX

See footnotes at end of table.

TABLE 15--Continued
 KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Unwrought zinc--Continued:	7901				
Other countries--Continued:					
Netherlands		42,302.0	29,279.0	2,133.0	1,296.0
Switzerland		XX	XX	125,093.0	75,846.0
Turkey		36,093.0	23,304.0	XX	XX
United States		122,345.0	80,411.0	XX	XX
Unspecified		9,916.0	7,089.0	22,797.0	13,265.0
Total		235,455.0	156,065.0	258,453.0	153,643.0
World total		236,907.0	157,613.0	259,273.0	154,291.0

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 16
KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Motor benzine:	271000270, 271000290, 271000320, 271000340, 271000360				
CIS:					
Russia		377,498.0	74,018.0	392,763.0	60,685.0
Turkmenistan		14,956.0	2,058.0	4.0	0.7
Uzbekistan		2,447.0	481.0	34,489.0	5,098.0
Total		394,901.0	76,557.0	427,256.0	65,783.7
Other countries:					
China		28,094.0	7,315.0	19,624.0	4,143.0
Finland		50.0	20.0	51.0	18.0
Lithuania		XX	XX	54.0	15.0
Unspecified		1,028.0	286.0	0.0	0.0
Total		29,172.0	7,621.0	19,729.0	4,176.0
World total		424,073.0	84,178.0	446,985.0	69,959.7
Gas oils (diesel fuel):	271000610-271000690				
CIS:					
Azerbaijan		4,996.0	1,366.0	12,261.0	3,602.0
Belarus		50.0	13.0	XX	XX
Russia		370,025.0	81,230.0	251,494.0	32,163.0
Turkmenistan		54,367.0	10,042.0	XX	XX
Uzbekistan		23.0	3.0	2,833.0	190.0
Total		429,461.0	92,654.0	266,588.0	35,955.0
Other countries:					
Finland		1,169.0	401.0	152.0	64.0
Germany		4,788.0	1,197.0	XX	XX
Unspecified		37.0	12.0	--	--
Total		5,994.0	1,610.0	152.0	64.0
World total		435,455.0	94,264.0	266,740.0	36,019.0
Liquid fuels (mazut):	271000710-271000780				
CIS:					
Russia		79,388.0	6,265.0	61,333.0	2,965.0
Uzbekistan		987.0	91.0	XX	XX
Unspecified		(4)	1.0	--	--
Total		80,375.0	6,357.0	61,333.0	2,965.0
Other countries: Iran		8.0	1.0	14.0	3.0
World total		80,383.0	6,358.0	61,347.0	2,968.0
Natural gas:	271121000				
CIS:					
Russia	million cubic meters	1,030.0	31,055.0	4,957.0	115,202.0
Turkmenistan	do.	1,745.0	61,856.0	1,758.0	67,697.0
Uzbekistan	do.	1,451.0	53,508.0	1,461.0	57,272.0
Total	do.	4,226.0	146,419.0	8,176.0	240,171.0
Other countries:	do.	XX	XX	XX	XX
World total	do.	4,226.0	146,419.0	8,176.0	240,171.0
Tubes, pipes, of cast iron or steel:	7303-7306				
CIS:					
Azerbaijan		6.0	7.0	91.0	325.0
Belarus		1.0	4.0	158.0	47.0
Kyrgyzstan		338.0	15.0	6.0	2.0
Russia		241,091.0	163,536.0	226,416.0	114,961.0
Turkmenistan		105.0	315.0	655.0	1,245.0
Uzbekistan		21.0	12.0	2.0	0.3
Ukraine		36,779.0	25,901.0	24,879.0	13,750.0
Total		278,341.0	189,790.0	252,207.0	130,330.3

See footnotes at end of table.

TABLE 16--Continued
 KAZAKHSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Tubes, pipes, of cast iron or steel--Continued:	7303-7306				
Other countries:					
China		15,740.0	17,474.0	12,241.0	15,489.0
Czech Republic		154.0	166.0	842.0	792.0
France		9,435.0	13,954.0	4,366.0	6,979.0
Germany		5,905.0	8,618.0	21,776.0	20,862.0
Greece		59,770.0	60,287.0	5,152.0	5,052.0
Japan		20,905.0	30,198.0	8,570.0	30,731.0
Romania		8,462.0	6,239.0	8,811.0	7,355.0
Turkey		428.0	1,018.0	889.0	915.0
United Kingdom		13,495.0	18,591.0	2,632.0	5,960.0
United States		2,396.0	7,299.0	1,929.0	6,633.0
Unspecified		22,638.0	28,397.0	19,188.0	21,990.0
Total		159,328.0	192,241.0	86,396.0	122,758.0
World total		437,669.0	382,031.0	338,603.0	253,088.3

XX Not applicable. -- Zero.

¹Data may not add to totals shown due to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the CIS.

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 17
KYRGYZSTAN: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$476.2	100.0	\$467.2	100.0	\$9.0	\$485.5	100.0	\$586.7	100.0	-\$101.2
Of which:										
Mineral products	58.4	12.3	129.5	27.7	-71.1	62.4	12.9	163.3	27.8	-100.9
Products of the chemical or allied industries	18.1	3.8	67.3	14.4	-49.2	25.3	5.2	78.5	13.4	-53.2
Articles of stone, cement, asbestos, mica, glass and glassware	5.2	1.1	5.0	1.1	0.2	8.9	1.8	6.2	1.1	2.7
Nonprecious metals and articles of nonprecious metal	15.3	3.2	27.3	5.8	-12.0	23.4	4.8	29.7	5.1	-6.3
Other	379.2	79.6	238.1	51.0	141.1	365.5	75.3	309.0	52.7	56.5
With CIS countries: ²										
Mineral products	55.4	32.9	124.9	48.6	-69.5	32.2	19.1	156.7	48.6	-124.5
Products of the chemical or allied industries	2.7	1.6	25.3	9.8	-22.6	3.3	2.0	32.5	10.1	-29.2
Articles of stone, cement, asbestos, mica, glass and glassware	5.2	3.1	2.8	1.1	2.4	8.7	5.2	2.6	0.8	6.1
Nonprecious metals and articles of nonprecious metal	5.0	3.0	18.7	7.3	-13.7	7.6	4.5	21.6	6.7	-14.0
Other	100.3	59.5	85.2	33.2	15.1	116.9	69.3	109.1	33.8	7.8
Total	168.6	100.0	256.9	100.0	-88.3	168.7	100.0	322.5	100.0	-153.8
With other countries of the world:										
Mineral products	3.0	1.0	4.6	2.2	-1.6	30.2	9.5	6.6	2.5	23.6
Products of the chemical or allied industries	15.4	5.0	42.0	20.0	-26.6	22.0	6.9	46.0	17.4	-24.0
Articles of stone, cement, asbestos, mica, glass and glassware	--	--	2.2	1.0	-2.2	0.2	0.1	3.6	1.4	-3.4
Nonprecious metals and articles of nonprecious metal	10.3	3.3	8.6	4.1	1.7	15.8	5.0	8.1	3.1	7.7
Other	278.9	90.7	152.9	72.7	126.0	248.6	78.5	199.9	75.7	48.7
Total	307.6	100.0	210.3	100.0	97.3	316.8	100.0	264.2	100.0	52.6

-- Zero or zero percent.

¹Data may not add to totals shown owing to independent rounding.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 18
KYRGYZSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Portland cement, cement:	2523				
Commonwealth of Independent States (CIS):					
Kazakhstan		60,054.0	1,365.0	65,235.0	1,477.0
Tajikistan		2,968.0	125.0	1,818.0	64.0
Turkmenistan		1,984.0	45.0	XX	XX
Uzbekistan		7.0	0.4	XX	XX
Unspecified		--	--	(4)	1.0
Total		65,013.0	1,535.4	67,053.0	1,542.0
Other countries: Afghanistan		179.0	5.0	XX	XX
World total		65,192.0	1,540.4	67,053.0	1,542.0
Natural or cultured pearls, precious or semiprecious stones, precious metals, metals clad with precious metals and articles thereof; imitation jewelry; coin:	71				
CIS:					
Kazakhstan		XX	10.0	XX	103.0
Russia		XX	XX	XX	5.0
Total		XX	10.0	XX	108.0
Other countries:					
United Kingdom		XX	9,546.0	XX	5.0
Germany		XX	91,929.0	XX	58.0
United Arab Emirates		XX	XX	XX	68,538.0
Switzerland		XX	124,136.0	XX	95,963.0
Unspecified		XX	1,112.0	XX	102.0
Total		XX	226,723.0	XX	164,666.0
World total		XX	226,733.0	XX	164,774.0
Copper waste and scrap:	7404				
CIS: Kazakhstan		405.0	221.0	6.0	27.0
Other countries:					
China		800.0	680.0	2,503.0	1,353.0
Unspecified		100.0	4.0	88.0	77.0
Total		900.0	684.0	2,591.0	1,430.0
World total		1,305.0	905.0	2,597.0	1,457.0

XX Not applicable. -- Zero.

¹Data may not add to totals owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 19
KYRGYZSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Coal, Commonwealth of Independent States (CIS):	2701				
Kazakhstan		342,383.0	6,188.0	882,495.0	13,605.0
Uzbekistan		207.0	8.0	XX	XX
Total		342,590.0	6,196.0	882,495.0	13,605.0
Petroleum products:	2710				
CIS:					
Azerbaijan		507.0	129.0	5,607.0	1,892.0
Belarus		10.0	4.0	12.0	5.0
Kazakhstan		134,272.0	32,384.0	214,157.0	50,083.0
Russia		28,200.0	7,046.0	105,963.0	22,174.0
Tajikistan		156.0	43.0	1,908.0	306.0
Turkmenistan		44,503.0	8,716.0	8,896.0	1,678.0
Ukraine		3.0	8.0	2.0	2.0
Uzbekistan		101,896.0	16,839.0	20,371.0	3,291.0
Total		309,547.0	65,169.0	356,916.0	79,431.0
Other countries:					
Belgium		352.0	195.0	430.0	245.0
Finland		21.0	54.0	5.0	8.0
Germany		563.0	408.0	5,224.0	1,756.0
Greece		147.0	166.0	342.0	421.0
India		XX	XX	814.0	318.0
Turkey		42.0	60.0	188.0	109.0
United Arab Emirates		16.0	15.0	1,150.0	361.0
United Kingdom		285.0	325.0	146.0	177.0
Unspecified		396.0	234.0	324.0	174.0
Total		1,822.0	1,457.0	8,623.0	3,569.0
World total		311,369.0	66,626.0	365,539.0	83,000.0
Natural gas: CIS: Uzbekistan	million cubic meters	271121000			
		666.0	33,160.0	856.0	41,761.0
Mineral or chemical fertilizers, nitrogenous:	3102				
CIS:					
Kazakhstan		157.0	6.0	597.0	47.0
Russia		18,538.0	1,301.0	20,920.0	1,728.0
Ukraine		XX	XX	0.3	0.7
Uzbekistan		596.0	37.0	6,807.0	504.0
Total		19,291.0	1,344.0	28,324.3	2,279.7
Other countries:					
China		2,341.0	550.0	244.0	268.0
Unspecified		31.0	96.0	6.0	21.0
Total		2,372.0	646.0	250.0	289.0
World total		21,663.0	1,990.0	28,574.3	2,568.7
Iron and steel:	72				
CIS:					
Kazakhstan		XX	1,617.0	XX	1,947.0
Russia		XX	4,369.0	XX	5,023.0
Tajikistan		XX	9.0	XX	XX
Ukraine		XX	372.0	XX	309.0
Uzbekistan		XX	331.0	XX	272.0
Total		XX	6,698.0	XX	7,551.0
Other countries:					
China		XX	219.0	XX	122.0
Finland		XX	5.0	XX	349.0
Germany		XX	19.0	XX	24.0
Sweden		XX	121.0	XX	58.0
Turkey		XX	79.0	XX	64.0
Unspecified		XX	132.0	XX	2.0
Total		XX	575.0	XX	619.0
World total		XX	7,273.0	XX	8,170.0

See footnotes at end of table.

TABLE 19--Continued
 KYRGYZSTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Articles of iron and steel:	73				
CIS:					
Belarus		XX	39.0	XX	141.0
Kazakhstan		XX	774.0	XX	622.0
Russia		XX	5,059.0	XX	4,400.0
Tajikistan		XX	0.1	XX	1.0
Ukraine		XX	2.0	XX	345.0
Uzbekistan		XX	127.0	XX	3.0
Total		XX	6,001.1	XX	5,512.0
Other countries:					
Canada		XX	190.0	XX	279.0
China		XX	604.0	XX	1,101.0
Germany		XX	454.0	XX	127.0
Italy		XX	609.0	XX	54.0
Turkey		XX	251.0	XX	631.0
United Arab Emirates		XX	71.0	XX	85.0
United States		XX	99.0	XX	63.0
Unspecified		XX	284.0	XX	228.0
Total		XX	2,562.0	XX	2,568.0
World total		XX	8,563.1	XX	8,080.0
Tungsten and articles thereof, including waste and scrap:	8102				
CIS:					
Russia		0.4	54.0	1.0	74.0
Ukraine		0.5	45.0	1.0	103.0
Uzbekistan		XX	XX	(4)	0.5
Total		0.9	99.0	2.0	177.5
Other countries:					
China		6.0	658.0	7.0	640.0
Czech Republic		8.0	824.0	9.0	842.0
Japan		3.0	370.0	(4)	15.0
Unspecified		4.0	191.0	--	--
Total		21.0	2,043.0	16.0	1,497.0
World total		21.9	2,142.0	18.0	1,674.5

XX Not applicable. -- Zero.

¹Data may not add to totals owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 20
MOLDOVA: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$568.1	100.0	\$892.7	100.0	-\$324.6	\$643.9	100.0	\$1,038.6	100.0	-\$394.7
Of which:										
Mineral products	6.4	1.1	242.6	27.2	-236.2	11.4	1.8	237.1	22.8	-225.7
Products of the chemical or allied industries	8.1	1.4	80.4	9.0	-72.3	7.2	1.1	115.8	11.1	-108.6
Articles of stone, cement, asbestos, mica, glass and glassware	13.7	2.4	32.0	3.6	-18.3	14.1	2.2	30.7	3.0	-16.6
Nonprecious metals and articles of nonprecious metal	3.1	0.5	37.6	4.2	-34.5	7.0	1.1	48.9	4.7	-41.9
Other	536.8	94.5	500.1	56.0	36.7	604.2	93.8	606.1	58.4	-1.9
With CIS countries: ²										
Mineral products	5.7	1.6	194.1	57.0	-188.4	10.5	3.0	204.1	49.9	-193.6
Products of the chemical or allied industries	5.2	1.5	23.6	6.9	-18.4	3.8	1.1	26.9	6.6	-23.1
Articles of stone, cement, asbestos, mica, glass and glassware	9.9	2.9	11.0	3.2	-1.1	8.1	2.3	14.6	3.6	-6.5
Nonprecious metals and articles of nonprecious metal	1.2	0.3	17.0	5.0	-15.8	2.3	0.7	22.1	5.4	-19.8
Other	324.3	93.6	94.6	27.8	229.7	325.8	93.0	141.3	34.5	184.5
Total	346.3	100.0	340.3	100.0	6.0	350.5	100.0	409.0	100.0	-58.5
With other countries of the world:										
Mineral products	0.7	0.3	48.5	8.8	-47.8	0.9	0.3	33.0	5.2	-32.1
Products of the chemical or allied industries	2.9	1.3	56.8	10.3	-53.9	3.4	1.2	88.9	14.1	-85.5
Articles of stone, cement, asbestos, mica, glass and glassware	3.8	1.7	21.0	3.8	-17.2	6.0	2.0	16.1	2.6	-10.1
Nonprecious metals and articles of nonprecious metal	1.9	0.9	20.6	3.7	-18.7	4.7	1.6	26.8	4.3	-22.1
Other	212.5	95.8	405.5	73.4	-193.0	278.4	94.9	464.8	73.8	-186.4
Total	221.8	100.0	552.4	100.0	-330.6	293.4	100.0	629.6	100.0	-336.2

¹Data may not add to totals shown owing to independent rounding.

²Commonwealth of Independent States (CIS).

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 21
MOLDOVA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Petroleum products:	2710				
Commonwealth of Independent States (CIS):		11.0	1.0	XX	XX
Other countries		17.0	10.0	116.0	63.0
Total		28.0	11.0	116.0	63.0
Iron and steel:	72, excluding 7201-7204				
CIS		1.0	0.7	390.0	149.0
Other countries		1,159.0	423.0	2,105.0	662.0
Total		1,160.0	423.7	2,495.0	811.0
Unwrought aluminum:	7601				
CIS		XX	XX	50.0	57.0
Other countries		237.0	154.0	238.0	260.0
Total		237.0	154.0	288.0	317.0

XX Not applicable.

¹Data may not add to totals owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 22
MOLDOVA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Coal:	2701				
Commonwealth of Independent States (CIS):		152.0	4,223.0	150.0	4,068.0
Other countries		(4)	10.0	XX	XX
Total		152.0	4,233.0	150.0	4,068.0
Motor benzine:	271000270, 271000290, 271000320, 271000340, 271000360				
CIS		56.0	15,490.0	99.0	21,971.0
Other countries		75.0	19,239.0	69.0	16,108.0
Total		131.0	34,729.0	168.0	38,079.0
Gas oils (diesel fuel):	271000610-271000690				
CIS		134.0	31,666.0	193.0	39,349.0
Other countries		87.0	20,536.0	56.0	11,398.0
Total		221.0	52,202.0	249.0	50,747.0
Liquid fuels (mazut):	271000710-271000780				
CIS		61.0	9,068.0	24.0	2,912.0
Other countries		XX	XX	0.1	25.0
Total		61.0	9,068.0	24.1	2,937.0
Natural gas: CIS	million cubic meters 271121000	1,148.0	89,191.0	1,145.0	90,199.0
Mineral or chemical fertilizers:	3102-3105				
CIS		24.0	6,426.0	26.0	6,106.0
Other countries		0.3	61.0	0.4	112.0
Total		24.3	6,487.0	26.4	6,218.0
Iron and steel:	72, excluding 7201-7204				
CIS	metric tons	32,101.0	8,565.0	42,134.0	10,501.0
Other countries	do.	3,245.0	1,918.0	3,685.0	3,060.0
Total	do.	35,346.0	10,483.0	45,819.0	13,561.0
Tubes, pipes, of cast iron or steel:	7303-7306				
CIS	do.	11,184.0	2,943.0	15,449.0	4,539.0
Other countries	do.	3,723.0	2,436.0	1,813.0	1,425.0
Total	do.	14,907.0	5,379.0	17,262.0	5,964.0

XX Not applicable.

¹Data may not add to totals owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 23
RUSSIA: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$100,059.9	100.00	\$41,884.0	100.00	\$58,175.9	\$106,234.1	100.00	\$46,076.3	100.00	\$60,157.8
Of which:										
Mineral products	54,652.8	54.62	1,702.4	4.06	52,950.4	58,625.0	55.18	1,717.9	3.73	56,907.1
Products of the chemical or allied industries	6,083.0	6.08	5,859.1	13.99	223.9	5,963.7	5.61	5,699.2	12.37	264.5
Articles of stone, cement, asbestos, mica, glass and glassware	343.0	0.34	761.8	1.82	-418.8	305.4	0.29	893.6	1.94	-588.2
Nonprecious metals and articles of nonprecious metal	14,691.3	14.68	3,041.0	7.26	11,650.3	14,983.8	14.10	2,913.6	6.32	12,070.2
Other	24,289.8	24.28	30,519.7	72.87	-6,229.9	26,356.2	24.81	34,852.0	75.64	-8,495.8
With CIS countries: ²										
Mineral products	6,388.6	43.44	1,278.6	11.41	5,110.0	7,080.6	45.13	1,310.1	12.90	5,770.5
Products of the chemical or allied industries	987.0	6.71	1,125.7	10.05	-138.7	989.5	6.31	969.2	9.54	20.3
Articles of stone, cement, asbestos, mica, glass and glassware	188.0	1.28	262.4	2.34	-74.4	206.8	1.32	265.3	2.61	-58.5
Nonprecious metals and articles of nonprecious metal	1,578.1	10.73	1,584.8	14.14	-6.7	1,668.6	10.64	1,137.2	11.20	531.4
Other	5,566.0	37.84	6,952.9	62.06	-1,386.9	5,743.1	36.61	6,474.0	63.75	-730.9
Total	14,707.7	100.00	11,204.4	100.00	3,503.3	15,688.6	100.00	10,155.8	100.00	5,532.8
With other countries of the world:										
Mineral products	48,264.2	56.55	423.8	1.38	47,840.4	51,544.4	56.93	407.8	1.14	51,136.6
Products of the chemical or allied industries	5,096.0	5.97	4,733.4	15.43	362.6	4,974.2	5.49	4,730.0	13.17	244.2
Articles of stone, cement, asbestos, mica, glass and glassware	155.0	0.18	499.4	1.63	-344.4	98.6	0.11	628.3	1.75	-529.7
Nonprecious metals and articles of nonprecious metal	13,113.2	15.36	1,456.2	4.75	11,657.0	13,315.2	14.71	1,776.4	4.95	11,538.8
Other	18,723.8	21.94	23,566.8	76.82	-4,843.0	20,613.1	22.77	28,378.0	79.00	-7,764.9
Total	85,352.2	100.00	30,679.6	100.00	54,672.6	90,545.5	100.00	35,920.5	100.00	54,625.0

¹Data may not add to totals shown owing to independent rounding.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 24
RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Coal:	2701				
Commonwealth of Independent States (CIS):					
Azerbaijan		0.8	41.0	5.0	274.0
Belarus		227.0	11,058.0	287.0	11,200.0
Georgia		(4)	2.0	XX	XX
Kazakhstan		187.0	4,272.0	197.0	4,947.0
Kyrgyzstan		6.0	161.0	8.0	184.0
Moldova		2.0	90.0	10.0	73.0
Tajikistan		4.0	142.0	4.0	99.0
Ukraine		5,091.0	181,923.0	3,938.0	124,005.0
Total		5,517.8	197,689.0	4,449.0	140,782.0
Other countries:					
Belgium		678.0	20,321.0	995.0	25,440.0
Bulgaria		571.0	14,964.0	1,053.0	26,237.0
Cyprus		4,139.0	110,129.0	8,956.0	199,832.0
Finland		2,500.0	69,066.0	2,434.0	58,796.0
Germany		1,201.0	27,059.0	179.0	4,652.0
Italy		206.0	6,593.0	947.0	20,873.0
Japan		5,389.0	173,599.0	5,697.0	183,050.0
Latvia		249.0	5,804.0	563.0	14,609.0
Lebanon		5,911.0	156,863.0	XX	XX
Poland		818.0	19,955.0	1,054.0	24,958.0
Republic of Korea		542.0	17,396.0	2,111.0	56,082.0
Romania		1,536.0	50,261.0	1,920.0	56,684.0
Slovakia		1,399.0	39,916.0	1,369.0	32,875.0
Spain		2,253.0	66,383.0	1,660.0	44,605.0
Turkey		3,865.0	108,250.0	4,732.0	129,374.0
United Kingdom		2,546.0	68,484.0	1,833.0	44,328.0
Unspecified		2,241.0	59,121.0	3,545.0	98,736.0
Total		36,044.0	1,014,164.0	39,048.0	1,021,131.0
World total		41,561.8	1,211,853.0	43,497.0	1,161,913.0
Crude petroleum:	2709				
CIS:					
Belarus		11,913.0	1,379,638.0	14,024.0	1,504,521.0
Kazakhstan		2,468.0	242,559.0	2,707.0	250,377.0
Ukraine		9,383.0	1,353,259.0	16,007.0	1,887,797.0
Total		23,764.0	2,975,456.0	32,738.0	3,642,695.0
Other countries:					
British Virgin Islands		14,760.0	2,324,516.0	10,826.0	1,724,460.0
Bulgaria		72.0	11,571.0	468.0	79,302.0
Cyprus		2,795.0	467,911.0	4,272.0	696,222.0
Czech Republic		3,752.0	573,936.0	3,545.0	575,107.0
Finland		2,180.0	324,306.0	4,072.0	665,135.0
France		3,037.0	485,137.0	5,008.0	848,100.0
Germany		20,904.0	3,234,516.0	20,978.0	3,347,095.0
Gibraltar		769.0	131,412.0	77.0	11,322.0
Hungary		5,627.0	953,118.0	4,936.0	812,186.0
Ireland		13.0	1,870.0	190.0	31,920.0
Italy		20,950.0	3,282,347.0	19,932.0	3,238,550.0
Lithuania		6,580.0	1,025,984.0	6,215.0	1,018,518.0
Netherlands		7,753.0	1,130,938.0	16,308.0	2,605,265.0
Poland		18,583.0	2,859,205.0	16,037.0	2,553,551.0
Slovakia		5,572.0	867,310.0	5,442.0	883,785.0
Spain		2,355.0	380,447.0	3,607.0	620,475.0
Switzerland		4,654.0	666,950.0	5,400.0	878,393.0

See footnotes at end of table.

TABLE 24--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Crude petroleum--Continued:	2709				
Other countries--Continued:					
United Kingdom		122.0	185,189.0	1,845.0	298,241.0
Unspecified		17,987.0	2,694,271.0	26,489.0	4,419,556.0
Total		138,465.0	21,600,934.0	155,647.0	25,307,183.0
World total		162,229.0	24,576,390.0	188,385.0	28,949,878.0
Petroleum products:	2710				
CIS:					
Azerbaijan		3.0	1,588.0	8.0	1,875.0
Armenia		0.7	365.0	4.0	1,338.0
Belarus		367.0	82,047.0	491.0	87,309.0
Georgia		2.0	541.0	8.0	2,001.0
Kazakhstan		1,139.0	241,653.0	946.0	144,790.0
Kyrgyzstan		37.0	6,271.0	114.0	16,731.0
Moldova		5.0	972.0	7.0	1,429.0
Tajikistan		10.0	2,709.0	7.0	1,905.0
Turkmenistan		21.0	6,974.0	15.0	3,313.0
Ukraine		919.0	198,340.0	1,000.0	164,107.0
Uzbekistan		1.0	716.0	2.0	1,063.0
Unspecified		1.3	(4)	--	--
Total		2,506.0	542,176.0	2,602.0	425,861.0
Other countries:					
Austria		20.0	2,977.0	10.0	1,823.0
British Virgin Islands		3,107.0	523,763.0	4,734.0	696,918.0
China		1,563.0	202,011.0	2,272.0	322,180.0
Cyprus		4,760.0	718,335.0	3,540.0	470,381.0
Denmark		669.0	104,350.0	597.0	91,539.0
Estonia		3,821.0	437,369.0	5,453.0	664,589.0
Finland		2,145.0	352,044.0	1,049.0	192,529.0
Ireland		(4)	0.5	218.0	38,245.0
Italy		5,093.0	719,937.0	7,604.0	1,072,911.0
Latvia		631.0	124,403.0	562.0	91,163.0
Lithuania		205.0	27,237.0	681.0	74,971.0
Netherlands		9,504.0	1,497,313.0	14,036.0	2,140,410.0
Panama		521.0	84,092.0	35.0	4,278.0
Romania		227.0	39,243.0	113.0	21,807.0
Spain		1,284.0	258,543.0	625.0	124,151.0
Sweden		10,587.0	1,384,563.0	2,301.0	328,567.0
Switzerland		3,286.0	379,102.0	12,282.0	1,754,487.0
United Kingdom		6,150.0	794,579.0	4,992.0	639,690.0
United States		505.0	90,289.0	1,350.0	244,715.0
Unspecified		6,919.0	1,119,892.5	10,349.0	1,825,705.0
Total		60,997.0	8,860,043.0	72,803.0	10,801,059.0
World total		63,503.0	9,402,219.0	75,405.0	11,226,920.0
Natural gas:	271121				
CIS:					
Belarus	million cubic meters	17,266.0	(5)	17,578.0	(5)
Kazakhstan	do.	1,132.0	536,749.0	4,131.0	538,549.0
Moldova	do.	2,156.0	(5)	2,101.0	(5)
Ukraine	do.	28,672.0	(5)	27,481.0	(5)
Total	do.	49,226.0	(5)	51,291.0	(5)
Other countries:					
Austria	do.	4,905.0	(5)	5,214.0	(5)
Bulgaria	do.	3,323.0	(5)	2,826.0	(5)
Czech Republic	do.	7,459.0	(5)	7,385.0	(5)
Finland	do.	4,641.0	(5)	4,614.0	(5)

See footnotes at end of table.

TABLE 24--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Natural gas--Continued:	271121				
Other countries--Continued:					
France	million cubic meters	11,153.0	(5)	11,379.0	(5)
Germany	do.	32,604.0	(5)	31,013.0	(5)
Hungary	do.	8,103.0	(5)	9,143.0	(5)
Italy	do.	20,200.0	(5)	19,293.0	(5)
Poland	do.	7,508.0	(5)	7,248.0	(5)
Romania	do.	2,875.0	(5)	3,512.0	(5)
Slovakia	do.	7,523.0	(5)	7,712.0	(5)
Turkey	do.	1,118.0	(5)	11,780.0	(5)
Unspecified	do.	20,517.0	(5)	13,121.0	(5)
Total	do.	131,929.0	(5)	134,240.0	(5)
World total	do.	181,155.0	18,302,779.0	185,531.0	15,358,769.0
Ammonia, anhydrous or in aqueous solution:	2814				
CIS:					
Azerbaijan	metric tons	XX	XX	20.0	6.0
Belarus	do.	9,205.0	1,455.0	6,698.0	889.0
Kazakhstan	do.	9,558.0	1,160.0	19,655.0	1,946.0
Kyrgyzstan	do.	(4)	0.1	(4)	(4)
Tajikistan	do.	(4)	(4)	XX	XX
Turkmenistan	do.	1.0	7.0	XX	XX
Ukraine	do.	2,997.0	249.0	23,970.0	1,872.0
Uzbekistan	do.	XX	XX	(4)	(4)
Total	do.	21,761.0	2,871.1	50,343.0	4,713.0
Other countries:					
Finland	do.	255,498.0	24,479.0	283,913.0	21,316.0
Latvia	do.	20,370.0	2,289.0	31,442.0	2,369.0
Lithuania	do.	49,884.0	3,913.0	148,311.0	11,104.0
Turkey	do.	505,757.0	43,994.0	318,335.0	18,546.0
United Kingdom	do.	452,273.0	43,901.0	274,057.0	21,564.0
United States	do.	1,360,980.0	112,100.0	1,297,305.0	95,747.0
Unspecified	do.	64,199.0	5,471.0	95,354.0	6,276.0
Total	do.	2,708,961.0	236,147.0	2,448,717.0	176,922.0
World total	do.	2,730,722.0	239,018.1	2,499,060.0	181,635.0
Mineral or chemical fertilizers:					
Nitrogenous:	3102				
CIS:					
Azerbaijan		20.0	1,498.0	21.0	1,649.0
Belarus		133.0	10,552.0	102.0	9,687.0
Georgia		4.0	252.0	0.1	14.0
Kazakhstan		160.0	10,620.0	157.0	9,716.0
Kyrgyzstan		19.0	1,311.0	20.0	1,247.0
Moldova		50.0	3,689.0	43.0	2,485.0
Tajikistan		26.0	1,964.0	34.0	2,331.0
Turkmenistan		51.0	5,149.0	37.0	2,486.0
Ukraine		95.0	5,298.0	293.0	16,823.0
Uzbekistan		(4)	0.6	0.2	33.0
Unspecified		1.0	(4)	--	--
Total		559.0	40,333.6	707.3	46,471.0
Other countries:					
Brazil		1,541.0	100,961.0	1,570.0	107,928.0
China		230.0	20.0	786.0	46,590.0
Estonia		102.0	6,754.0	98.0	6,155.0
France		490.0	29,083.0	118.0	5,903.0
Latvia		191.0	12,446.0	111.0	6,718.0
Lithuania		192.0	10,552.0	209.0	11,417.0

See footnotes at end of table.

TABLE 24--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Mineral or chemical fertilizers--Continued:					
Nitrogenous--Continued:					
	3102				
Other countries--Continued:					
Mexico		728.0	55,469.0	706.0	52,757.0
Peru		544.0	27,995.0	490.0	30,069.0
Poland		238.0	17,601.0	200.0	14,560.0
Turkey		989.0	46,730.0	907.0	37,066.0
United Kingdom		505.0	29,700.0	155.0	12,483.0
United States		783.0	50,691.0	373.0	20,855.0
Unspecified		2,219.0	154,873.0	2,955.0	155,117.0
Total		8,752.0	542,875.0	8,678.0	507,618.0
World total		9,311.0	583,208.6	9,385.3	554,089.0
Potassic:					
	3104				
CIS:					
Azerbaijan		0.1	5.0	XX	XX
Belarus		0.1	70.0	0.1	44.0
Kazakhstan		2.0	198.0	2.0	157.0
Kyrgyzstan		(4)	0.4	(4)	2.0
Moldova		0.1	11.0	0.1	8.0
Tajikistan		5.0	420.0	1.0	71.0
Turkmenistan		0.2	20.0	0.4	46.0
Ukraine		16.0	1,623.0	17.0	1,494.0
Uzbekistan		10.0	702.0	43.0	3,089.0
Unspecified		0.5	(4)	--	--
Total		34.0	3,049.4	63.6	4,911.0
Other countries:					
Brazil		353.0	29,813.0	210.0	16,948.0
China		2,030.0	176,082.0	2,262.0	190,572.0
Finland		143.0	10,904.0	133.0	11,117.0
Hungary		84.0	6,015.0	87.0	6,674.0
India		1,582.0	99,241.0	856.0	52,401.0
Malaysia		69.0	5,674.0	86.0	6,152.0
Norway		121.0	10,214.0	68.0	5,495.0
Republic of Korea		248.0	25,706.0	198.0	20,165.0
Switzerland		XX	XX	961.0	58,300.0
United States		438.0	30,092.0	156.0	10,432.0
Unspecified		893.0	64,095.0	531.0	37,573.0
Total		5,961.0	457,836.0	5,548.0	415,829.0
World total		5,995.0	460,885.4	5,611.6	420,740.0
Pig iron and spiegeleisen:					
	7201				
CIS:					
Azerbaijan		0.1	13.0	0.3	43.0
Belarus		136.0	19,662.0	108.0	14,676.0
Kazakhstan		23.0	3,149.0	22.0	2,016.0
Moldova		0.2	24.0	0.5	59.0
Tajikistan		0.2	53.0	0.1	19.0
Ukraine		53.0	4,821.0	201.0	19,027.0
Uzbekistan		3.0	524.0	4.0	445.0
Total		215.5	28,246.0	335.9	36,285.0
Other countries:					
Denmark		683.0	56,320.0	96.0	9,077.0
France		28.0	2,785.0	183.0	17,947.0
Germany		1,075.0	93,182.0	737.0	60,386.0
Italy		405.0	35,552.0	602.0	53,609.0
Republic of Korea		109.0	8,647.0	493.0	45,812.0
United Kingdom		453.0	50,742.0	577.0	57,586.0

See footnotes at end of table.

TABLE 24--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Pig iron and spiegeleisen--Continued:	7201				
Other countries--Continued:					
United States		378.0	33,090.0	215.0	19,284.0
Unspecified		306.0	26,602.0	954.0	87,765.0
Total		3,437.0	306,920.0	3,857.0	351,466.0
World total		3,652.5	335,166.0	4,192.9	387,751.0
Ferroalloys:	7202				
CIS:					
Armenia		XX	XX	0.1	31.0
Belarus		10.0	5,906.0	5.0	4,016.0
Georgia		(4)	13.0	(4)	11.0
Kazakhstan		11.0	6,890.0	7.0	3,458.0
Kyrgyzstan		(4)	6.0	XX	XX
Moldova		0.3	217.0	0.3	139.0
Tajikistan		(4)	17.0	XX	XX
Ukraine		13.0	7,622.0	25.0	12,254.0
Uzbekistan		0.5	359.0	4.0	1,642.0
Unspecified		0.2	1.0	--	--
Total		35.0	21,031.0	41.4	21,551.0
Other countries:					
United Kingdom		0.1	204.0	0.5	1,245.0
Germany		14.0	15,278.0	20.0	17,791.0
Gibraltar		98.0	36,996.0	57.0	20,047.0
Netherlands		71.0	58,689.0	137.0	105,174.0
Republic of Korea		11.0	4,690.0	7.0	2,978.0
Turkey		14.0	5,224.0	6.0	2,115.0
Finland		4.0	3,026.0	5.0	5,036.0
Estonia		29.0	25,047.0	6.0	10,918.0
Japan		51.0	23,030.0	76.0	33,466.0
Unspecified		44.9	30,527.0	33.5	19,096.0
Total		337.0	202,711.0	348.0	217,866.0
World total		372.0	223,742.0	389.4	239,417.0
Refined copper and copper alloys, unwrought:	7403				
CIS:					
Belarus	metric tons	2,181.0	3,608.0	2,090.0	2,912.0
Georgia	do.	17.0	40.0	42.0	109.0
Kazakhstan	do.	2,054.0	3,920.0	1,765.0	2,330.0
Kyrgyzstan	do.	1.0	2.0	4.0	9.0
Moldova	do.	XX	XX	(4)	2.0
Ukraine	do.	778.0	1,055.0	2,048.0	2,641.0
Uzbekistan	do.	16.0	35.0	66.0	104.0
Unspecified	do.	--	--	1.0	(4)
Total	do.	5,047.0	8,660.0	6,016.0	8,107.0
Other countries:					
Austria	do.	971.0	1,088.0	892.0	1,125.0
United Kingdom	do.	378,286.0	573,931.0	305,440.0	428,643.0
Germany	do.	748.0	719.0	840.0	928.0
China	do.	54,396.0	68,707.0	74,544.0	99,269.0
Netherlands	do.	142,362.0	206,424.0	91,198.0	121,356.0
Turkey	do.	1,504.0	2,304.0	25,572.0	34,369.0
United States	do.	7,134.0	8,283.0	1,874.0	1,933.0
Sweden	do.	4,650.0	7,502.0	5,042.0	7,254.0
Unspecified	do.	4,974.0	5,645.0	9,227.0	10,688.0
Total	do.	595,025.0	874,603.0	514,629.0	705,565.0
World total	do.	600,072.0	883,263.0	520,645.0	713,672.0

See footnotes at end of table.

TABLE 24--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Thousand metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Unwrought aluminum:	7801				
CIS:					
Azerbaijan	metric tons	XX	XX	1.0	2.0
Belarus	do.	9,843.0	16,837.0	9,104.0	14,888.0
Georgia	do.	1.0	3.0	1.0	3.0
Kazakhstan	do.	1,001.0	1,698.0	1,289.0	1,927.0
Kyrgyzstan	do.	8.0	12.0	2.0	5.0
Moldova	do.	110.0	190.0	29.0	40.0
Ukraine	do.	81.0	235.0	1,011.0	1,373.0
Uzbekistan	do.	331.0	609.0	179.0	240.0
Unspecified	do.	1.0	(4)	--	--
Total	do.	11,376.0	19,584.0	11,616.0	18,478.0
Other countries:					
United Kingdom	do.	23,301.0	27,368.0	45,094.0	66,805.0
Hungary	do.	23,128.0	31,908.0	24,980.0	33,157.0
Germany	do.	77,341.0	91,269.0	51,093.0	72,229.0
Greece	do.	109,131.0	150,596.0	104,933.0	134,229.0
Italy	do.	6,154.0	5,707.0	23,117.0	21,005.0
China	do.	55,079.0	65,927.0	28,649.0	42,100.0
Netherlands	do.	389,372.0	426,747.0	311,906.0	313,129.0
Norway	do.	55,063.0	71,036.0	70,259.0	81,351.0
Poland	do.	10,342.0	13,794.0	12,204.0	14,475.0
Republic of Korea	do.	17,147.0	18,374.0	31,563.0	36,611.0
Slovakia	do.	48,515.0	67,256.0	30,807.0	42,234.0
United States	do.	1,105,087.0	1,218,777.0	1,039,221.0	997,064.0
Turkey	do.	195,086.0	218,486.0	178,666.0	164,501.0
Switzerland	do.	18,318.0	22,855.0	22,604.0	34,037.0
Japan	do.	825,930.0	1,054,426.0	706,358.0	713,175.0
Unspecified	do.	125,541.0	145,045.0	105,206.0	123,291.0
Total	do.	3,084,535.0	3,629,571.0	2,786,660.0	2,889,393.0
World total	do.	3,095,911.0	3,649,155.0	2,798,276.0	2,907,871.0

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

⁵Missing data.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 25
RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Coal:	2701				
Commonwealth of Independent States (CIS):					
Belarus	thousand metric tons	1.0	43.0	8.0	311.0
Kazakhstan	do.	27,806.0	176,897.0	20,824.0	149,823.0
Ukraine	do.	0.3	3.0	14.0	100.0
Uzbekistan	do.	XX	XX	(4)	0.7
Total	do.	27,807.3	176,943.0	20,846.0	150,234.7
Other countries:					
Germany	do.	(4)	14.0	0.1	21.0
China	do.	8.0	104.0	0.1	11.0
Colombia	do.	4.0	550.0	20.0	1,651.0
Unspecified	do.	1.0	18.0	(4)	23.0
Total	do.	13.0	686.0	20.2	1,706.0
World total	do.	27,820.3	177,629.0	20,866.2	151,940.7
Petroleum products:	2710				
CIS:					
Azerbaijan	do.	1.0	200.0	(4)	1.0
Belarus	do.	172.0	39,996.0	47.0	11,847.0
Kazakhstan	do.	2.0	405.0	0.2	36.0
Tajikistan	do.	(4)	1.0	0.1	0.4
Turkmenistan	do.	11.0	2,424.0	XX	XX
Ukraine	do.	9.0	6,920.0	6.0	4,203.0
Uzbekistan	do.	2.0	389.0	1.0	234.0
Unspecified	do.	--	--	0.7	(4)
Total	do.	197.0	50,335.0	55.0	16,321.4
Other countries:					
Belgium	do.	7.0	5,527.0	11.0	9,680.0
China	do.	4.0	819.0	(4)	5.0
Finland	do.	30.0	32,178.0	32.0	37,755.0
Germany	do.	18.0	17,605.0	21.0	28,060.0
Italy	do.	0.4	354.0	0.3	359.0
Japan	do.	3.0	1,361.0	1.0	980.0
Latvia	do.	0.2	51.0	0.4	275.0
Lithuania	do.	4.0	1,111.0	0.7	343.0
Republic of Korea	do.	13.0	7,046.0	11.0	7,101.0
Singapore	do.	3.0	898.0	0.2	207.0
Spain	do.	0.3	197.0	0.3	279.0
United States	do.	6.0	6,071.0	8.0	7,294.0
Unspecified	do.	23.1	17,569.0	20.1	20,870.0
Total	do.	112.0	90,787.0	106.0	113,208.0
World total	do.	309.0	141,122.0	161.0	129,529.4
Flat-rolled products of carbon steel, hot-rolled:	7208				
CIS:					
Belarus		5,166.0	1,702.0	4,545.0	1,764.0
Kazakhstan		208,878.0	34,528.0	119,515.0	21,219.0
Kyrgyzstan		118.0	26.0	XX	XX
Ukraine		347,221.0	72,388.0	207,922.0	45,742.0
Total		561,383.0	108,644.0	331,982.0	68,725.0
Other countries:					
Belgium		858.0	777.0	2.0	3.0
Estonia		203.0	64.0	401.0	124.0
Finland		4,281.0	1,881.0	1,252.0	697.0
Germany		421.0	183.0	1,630.0	1,007.0
Japan		XX	XX	4,517.0	2,175.0
Latvia		645.0	161.0	485.0	150.0

See footnotes at end of table.

TABLE 25--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Flat-rolled products of carbon steel, hot-rolled--Continued:	7208				
Other countries--Continued:					
Lithuania		2,760.0	640.0	1,744.0	556.0
Netherlands		46.0	36.0	1,321.0	502.0
Sweden		2,942.0	1,455.0	2,197.0	1,063.0
Unspecified		536.0	355.0	951.0	778.0
Total		12,692.0	5,552.0	14,500.0	7,055.0
World total		574,075.0	114,196.0	346,482.0	75,780.0
Tubes, pipes and hollow profiles, of iron or steel:					
Other than cast iron, seamless:	7304				
CIS:					
Armenia		XX	XX	(4)	(4)
Azerbaijan		701.0	147.0	454.0	221.0
Belarus		3,530.0	1,869.0	1,620.0	1,252.0
Georgia		283.0	27.0	52.0	4.0
Kazakhstan		1,159.0	337.0	423.0	78.0
Kyrgyzstan		3.0	3.0	12.0	3.0
Moldova		9.0	26.0	(4)	(4)
Ukraine		400,921.0	180,992.0	200,276.0	73,224.0
Unspecified		(4)	1.0	(4)	0.4
Total		406,606.0	183,402.0	202,837.0	74,782.4
Other countries:					
Argentina		159.0	284.0	1,244.0	1,868.0
Austria		39,412.0	34,990.0	21,613.0	21,390.0
China		711.0	2,054.0	45.0	21.0
Czech Republic		894.0	2,622.0	211.0	335.0
France		4,561.0	13,739.0	5,936.0	15,140.0
Germany		3,864.0	8,767.0	2,555.0	8,096.0
Italy		2,217.0	2,623.0	3,233.0	5,316.0
Japan		5,532.0	6,100.0	3,629.0	15,418.0
Mexico		161.0	271.0	745.0	1,335.0
Romania		27,739.0	15,207.0	7,210.0	5,245.0
Spain		4,899.0	2,347.0	1,512.0	1,096.0
United Kingdom		235.0	1,048.0	516.0	2,722.0
United States		4,644.0	13,672.0	9,281.0	26,940.0
Unspecified		2,379.0	5,758.0	2,558.0	11,524.0
Total		97,407.0	109,482.0	60,288.0	116,446.0
World total		504,013.0	292,884.0	263,125.0	191,228.4
Other:	7306				
CIS:					
Armenia		(4)	1.0	XX	XX
Azerbaijan		20.0	12.0	47.0	29.0
Belarus		8,505.0	2,485.0	19,037.0	5,017.0
Kazakhstan		4,086.0	750.0	6,985.0	1,301.0
Moldova		2.0	1.0	(4)	(4)
Tajikistan		13.0	4.0	XX	XX
Turkmenistan		XX	XX	(4)	0.1
Ukraine		67,923.0	18,206.0	25,931.0	6,999.0
Uzbekistan		XX	XX	(4)	0.9
Total		80,549.0	21,459.0	52,000.0	13,347.0
Other countries:					
Belgium		302.0	436.0	493.0	886.0
Denmark		968.0	496.0	1,587.0	1,080.0
Finland		2,070.0	1,941.0	2,820.0	3,184.0
France		164.0	947.0	539.0	2,518.0

See footnotes at end of table.

TABLE 25--Continued
 RUSSIA: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY IMPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Tubes, pipes and hollow profiles, of iron or steel--Continued:					
Other--Continued:	7306				
Germany		4,615.0	6,792.0	5,469.0	7,774.0
Italy		2,430.0	3,274.0	2,849.0	4,569.0
Lithuania		1,429.0	596.0	2,105.0	2,096.0
Poland		455.0	553.0	573.0	878.0
Spain		734.0	1,696.0	786.0	1,819.0
Turkey		149.0	112.0	90.0	113.0
United States		418.0	817.0	214.0	803.0
Unspecified		5,457.0	6,428.0	6,028.0	9,664.0
Total		16,006.0	20,314.0	19,785.0	29,675.0
World total		96,555.0	41,773.0	71,785.0	43,022.0

XX Not applicable. -- Zero.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 26
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
METALS					
Alkali:					
Alkali metals:	28051				
Sodium	280511	--	--	2,799	1,205
Other than sodium ²	280519	--	1	104	59
Alkaline-earth metals:	28052				
Calcium	280521	--	--	3,633	--
Strontium and barium	280522	--	--	--	--
Aluminum:					
Ores and concentrates	2606	324,761	358,620	5,779	881
Oxide except artificial corundum ²	281820	3,641,811	3,635,717	890	1,414
Hydroxide	281830	20,263	2,233	3,726	2,932
Ash and residue containing mainly aluminum ²	262040	90	--	29,091	22,653
Metal including alloys:	760				
Waste and scrap	7602	181	311	4,789	1,528
Unwrought	7601	68,191	32,591	3,074,409	2,782,014
Powders and flakes	7603	2	9	10,517	10,180
Bars, rods, profiles	7604	10,092	10,335	78,936	68,800
Wire	7605	10,305	1,690	203,275	142,213
Plates, sheets, strip more than 0.2 mm (0.0079 in) thick	7606	22,942	40,433	99,937	141,000
Foil	7607	23,625	18,510	24,359	26,523
Tubes and pipes	7608	698	858	5,514	8,069
Tube and pipe fittings (including couplings, elbows, sleeves)	7609	6,406	34	19	28
Antimony:					
Ores and concentrates	261710	--	21	398	8,671
Oxides	282580	856	399	172	90
Antimony and articles thereof, including waste and scrap	8110	1,318	368	662	1,233
Arsenic:					
Mineral substances ²	253090	17,368	7,211	70,371	99,209
Inorganic acids ²	281119	59	103	146	273
Inorganic oxygen compounds of nonmetals ²	281129	148	102	147	81
Arsenic	280480	25	30	--	--
Beryllium:					
Ores and concentrates ²	in 261790	550	1,131	413	2,015
Metal including alloys:					
Unwrought; waste and scrap; powders	811211	NA	NA	NA	NA
Unwrought beryllium; beryllium powders ²	811212	NA	NA	NA	NA
Beryllium waste and scrap	811213	NA	NA	NA	NA
Beryllium and articles thereof ²	811219	--	--	--	--
Bismuth:					
Ores and concentrates ²	in 261790	550	1,152	413	2,015
Bismuth and articles thereof, including waste and scrap	8106	40	15	--	22
Cadmium and articles thereof, including waste and scrap	8107	(3)	(3)	621	2,228
Chromium:					
Ores and concentrates	2610	600,337	589,584	20	22
Oxides and hydroxides	2819	8,333	7,179	8,922	5,944
Metal including alloys:					
Chromium and articles thereof, including waste and scrap	811220	527	--	4,847	--
Unwrought chromium; powders	811221	--	694	--	7,026
Chromium waste and scrap	811222	NA	NA	NA	NA
Chromium and articles thereof ²	811229	--	67	--	448
Cobalt:					
Ores and concentrates	2605	80	15	110	--
Oxides and hydroxides; commercial cobalt oxides	2822	86	108	514	796
Cobalt mattes and other intermediate products of cobalt metallurgy; cobalt and articles thereof, including waste and scrap	8105	179	105	8,351	4,935

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
METALS--Continued					
Columbium (niobium), gallium, hafnium, indium, rhenium, tantalum, thallium, vanadium:					
Columbium (niobium), tantalum, vanadium ores and concentrates	261590	--	2	159	35
Vanadium oxides and hydroxides	282530	1,964	814	7,167	7,384
Ash and residues containing vanadium ²	262050	NA	NA	NA	NA
Vanadium and articles thereof, including waste and scrap	811240	29	76	37	37
Tantalum and articles thereof, including waste and scrap	8103	6	10	15	2
Metal including alloys--columbium (niobium), gallium, hafnium, indium, rhenium, thallium:					
Unwrought, waste and scrap, and powders	811291	--	1	16	1
And articles of these metals including waste and scrap	811292	--	1	--	13
And articles thereof ²	811299	1	4	1	1
Copper:					
Ores and concentrates	2603	164,824	143,309	8,854	12,191
Mattes; cement copper (precipitated copper)	7401	10,105	2,155	NA	NA
Oxides and hydroxides	282550	63	60	--	1
Sulfate	283325	38	76	30,043	31,610
Ash and residue containing mainly copper ²	262030	--	--	2,183	4,518
Metal including alloys:					
Waste and scrap	7404	326	18	9,201	5,300
Unrefined copper; copper anodes for electrolytic refining	7402	5	3	NA	NA
Refined copper and copper alloys (other than master alloys of heading 7405), unwrought	7403	3,292	557	597,565	518,028
Master alloys	7405	52	45	26	38
Powders and flakes	7406	17	10	5,554	7,190
Bars, rods, profiles	7407	3,967	1,792	3,281	3,006
Copper wire	7408	4,573	3,428	40,949	107,059
Plates, sheets and strip, more than 0.15 mm (0.006 in) thick	7409	3,420	3,988	7,707	5,467
Foil (whether or not printed or backed with paper or other backing materials), not more than 0.15 mm (0.006 in) thick (excluding any backing)	7410	1,506	1,709	NA	NA
Tubes and pipes	7411	3,145	4,541	5,477	8,003
Tube or pipe fittings (for example, couplings, elbows, sleeves)	7412	3,733	6,311	37	163
Germanium and articles thereof, including waste and scrap	811230	1	--	2	2
Gold and platinum-group metals:					
Precious metal ores and concentrates, other than silver					
Gold:	261690	3,025	10,242	--	--
Waste and scrap of gold, including metal clad with gold but excluding sweepings containing other precious metals					
	711210	NA	NA	NA	NA
Gold, including gold plated with platinum, unwrought or in semimanufactured forms, or in powder form					
	7108	NA	NA	NA	NA
Platinum-group metals:					
Platinum:					
Waste and scrap of platinum, including metal clad with platinum but excluding sweepings containing other precious metals					
	711220	NA	NA	NA	NA
Unwrought or in powder form					
	711011	NA	NA	NA	NA
Metal, semimanufactured					
	711019	NA	NA	NA	NA
Palladium:					
Unwrought or in powder form					
	711021	NA	NA	NA	NA
Metal, semimanufactured					
	711029	NA	NA	NA	NA
Rhodium:					
Unwrought or in powder form					
	711031	NA	NA	NA	NA
Metal, semimanufactured					
	711039	NA	NA	NA	NA
Iridium, osmium, ruthenium:					
Unwrought or in powder form					
	711041	NA	NA	NA	NA
Metal, semimanufactured					
	711049	NA	NA	NA	NA

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
METALS--Continued					
Iron and steel:					
Ores and concentrates, including roasted iron pyrites	2601	NA	NA	NA	NA
Ore concentrates (other than roasted iron pyrites) and nonagglomerated iron ores	260111	3,964,796	4,026,682	13,245,230	5,332,167
Agglomerated iron ores	260112	4,834,242	5,249,443	10,326,636	7,657,257
Roasted iron pyrites	260120	NA	NA	NA	NA
Ferrous waste and scrap; remelting scrap ingots of iron or steel	7204	111,320	106,048	6,066,298	5,758,005
Pig iron and spiegeleisen in pigs, blocks or other primary forms	7201	214	1,023	5,867,876	4,086,747
Spongy ferrous products from direct reduction of ore and products in lumps, pellets, etc.; iron, at least 99.94% (Wt) pure, in lumps, pellets, etc.	7203	(3)	(3)	1,003,338	1,204,571
Granules and powders of pig iron, spiegeleisen, iron or steel	7205	13,181	7,587	2,409	2,453
Ferroalloys: ²	720299	6,198	4,877	1,380	3,163
Ferchromium:					
Containing more than 4% (Wt) carbon	720241	7,520	8,157	14,645	2,169
Containing 4% (Wt) or less carbon	720249	758	2,966	99,602	111,288
Ferromanganese:					
Containing more than 2% (Wt) carbon	720211	113,738	90,222	1,926	683
Containing 2% (Wt) or less carbon	720219	24,872	19,244	817	96
Ferromolybdenum	720270	3,066	2,473	28	66
Ferronickel	720260	135	--	2,469	4,153
Ferrosilicon chromium	720250	NA	NA	--	1,840
Ferrosilicon manganese	720230	187,094	221,897	9,195	19,900
Ferrosilicon:					
Containing more than 55% (Wt) carbon	720221	10,678	8,768	206,936	201,792
Containing 55% (Wt) or less carbon	720229	13,112	6,137	4,957	15,200
Silicon metal containing by weight less than 99.99% of silicon	280469	10,289	10,253	52,462	48,633
Iron and nonalloy steel in ingots or other primary forms, excluding iron of heading 7203					
Semi finished products of iron or nonalloy steel	7207	5,113	5,213	NA	NA
Stainless steel in ingots, other primary forms and semi finished products	7218	1,802	1,844	941	4,241
Alloy steel (other than stainless) in ingots, other primary forms and semi finished products	7224	7,433	1,458	560,353	317,673
Flat-rolled iron or nonalloy steel products, 600 mm (23.6 in) or more wide:					
Hot-rolled, not clad, plated or coated	7208	567,266	341,443	5,331,017	6,867,159
Cold-rolled, not clad, plated or coated	7209	160,448	118,179	19,020,314	2,312,281
Clad, plated or coated	7210	447,607	345,327	360,991	426,799
Flat-rolled iron or nonalloy steel products, less than 600 mm (23.6 in) wide:					
Not clad, plated or coated	7211	15,884	11,530	310,875	504,459
Clad, plated or coated	7212	14,599	22,455	11,183	20,342
Bars and rods of iron or nonalloy steel:					
Hot-rolled, in irregularly wound coils	7213	55,278	26,176	1,015,276	1,084,718
Nesoi, not further worked than forged, hot-rolled, hot-drawn, etc., but including those twisted after rolling	7214	129,064	75,265	970,805	805,698
Bars and rods of iron or nonalloy steel ²	7215	4,405	2,620	165,989	263,797
Angles, shapes, sections of iron or nonalloy steel	7216	352,099	232,590	864,248	860,506
Wire of iron or nonalloy steel	7217	15,169	18,264	155,089	179,960
Flat-rolled stainless steel products:					
600 mm (23.6 in) or more wide	7219	42,236	36,795	2,968	7,633
Less than 600 mm (23.6 in) wide	7220	3,146	3,069	667	172
Bars and rods of stainless steel:					
Hot-rolled, in irregularly wound coils	7221	731	212	6	1
Angles, shapes, sections of stainless steel	7222	24,878	15,696	3,066	2,250
Wire of stainless steel	7223	1,120	1,492	647	320

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
METALS--Continued					
Iron and steel--Continued:					
Flat-rolled alloy steel (other than stainless) products:					
600 mm (23.6 in) or more wide	7225	168,552	154,962	403,751	717,825
Less than 600 mm (23.6 in) wide	7226	1,506	845	502,531	156,387
Bars and rods of alloy steel (other than stainless):					
Hot-rolled, in irregularly wound coils	7227	14,752	5,440	56,052	50,901
Angles, shapes, sections of stainless steel	7228	77,725	33,847	471,953	376,552
Wire of alloy steel (other than stainless)	7229	7,760	6,662	550	665
Sheet piling of iron or steel, whether or not drilled, punched, or made from assembled elements; welded angles, shapes, and sections of iron or steel	7301	20,808	22,428	1,631	327
Railway or tramway construction material of iron or steel	7302	16,822	7,844	527,389	471,146
Tubes, pipes and hollow profiles:					
Of cast iron	7303	1,090	1,895	4,618	14,318
Seamless iron (other than cast) or steel	7304	498,223	257,650	466,152	479,485
Open seamed or welded, riveted or similarly closed, of iron or steel ²	7306	87,260	52,513	183,002	217,176
Tubes and pipes (welded, etc.), having internal and external cross sections with an external diameter of more than 406.4 mm (16 in), of iron or steel ²	7305	331,486	310,077	143,123	122,379
Tube or pipe fittings, including couplings, elbows, sleeves, of iron or steel	7307	7,699	6,912	12,729	12,030
Lead:					
Ores and concentrates	2607	56	--	17,855	29,643
Oxides; red lead and orange	282530	5,132	6,100	18	10
	262020;				
Ash and residues containing lead ²	262029	NA	NA	36,326	45,741
Metal, including alloys:					
Waste and scrap	7802	1	--	787	--
Unwrought	7801	44,089	47,255	8,231	4,591
Bars, rods, profiles, wire	7803	93	571	264	80
Plates, sheets, strip, foil; lead powders and flakes	7804	195	175	NA	NA
Tubes, pipes and tube or pipe fittings	7805	109	6	26	14
Lithium:					
Mineral substances ²	253090	17,368	7,211	70,371	99,209
Oxides and hydroxides	282520	781	1,660	1,402	1,184
Magnesium metal, including alloys:					
Waste and scrap:	810420	--	--	415	257
Containing 99.8% or more magnesium by weight, unwrought	810411	1,376	2,109	23,182	25,680
Containing under 99.8% magnesium by weight, unwrought	810419	22	676	8,183	10,349
Raspings, turnings, granules, graded according to size; magnesium powders	810430	34	5	2,081	2,411
Magnesium and articles thereof ²	810490	--	--	79	91
Manganese:					
Ores and concentrates, including ferruginous manganese ores and concentrates with a manganese content of 20% or more, based on dry weight	2602	481,452	511,571	200	(3)
Manganese and articles thereof, including waste and scrap	8111	9,538	12,970	1	37
Molybdenum:					
Ores and concentrates:					
Roasted	261310	--	2	--	10
Not roasted	261390	2,134	2,248	9,172	10,490
Oxides and hydroxides	282570	47	249	--	--
Metal, including alloys:					
Unwrought, including bars and rods:					
Obtained simply by sintering; waste and scrap	810291	143	--	--	--
Obtained simply by sintering	810294	--	142	--	5
Powders	810210	151	18	363	147
Bars and rods, other than those obtained simply by sintering; molybdenum profiles, plates, sheets, strip and foil	810292; 810295	4	4	12	9

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
METALS--Continued					
Molybdenum--Continued:					
Metal, including alloys--Continued:					
	810293;				
Wire	810296	19	19	4	3
Waste and scrap	810297	NA	NA	NA	NA
Molybdenum and articles thereof ²	810299	1	6	4	6
Nickel:					
Ores and concentrates	2604	30,421	12,268	NA	NA
Mattes, oxide sinters and other intermediate products of nickel metallurgy	7501	--	--	--	18,097
Oxides and hydroxides	282540	14	36	52	88
Metal, including alloys:					
Waste and scrap	7503	3,677	462	35	106
Unwrought	7502	3,781	233	189,690	274,830
Powders and flakes	7504	55	71	2,093	2,555
Bars, rods, profiles, wire	7505	341	76	291	277
Plates, sheets, strip, foil	7506	1,687	1,887	85	754
Tubes, pipes and tube or pipe fittings (for example, couplings, elbows, sleeves)	7507	40	72	NA	NA
Rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed	280530	17	71	--	--
Selenium	280490	19	--	468	172
Silicon containing not less than 99.99% of silicon by weight	280461	432	317	126	180
Silver:					
Ores and concentrates	261610	NA	NA	NA	NA
Silver (including silver plated with platinum), unwrought or in semimanufactured forms, or in powder form	7106	NA	NA	NA	NA
Waste and scrap of silver, including metal clad with silver but excluding sweepings containing other precious metals	711291	NA	NA	NA	NA
	711290;				
Waste and scrap of precious metal ²	711299	NA	NA	NA	NA
Tellurium	28045090	5	2	18	9
Tin:					
Ores and concentrates	2609	797	753	667	(3)
Metal, including alloys:					
Waste and scrap	8002	--	--	--	--
Unwrought	8001	2,106	1,227	1,736	1,786
Bars, rods, profiles, wire	8003	22	33	56	303
Plates, sheets, strip, more than 0.2 mm (0.008 in) thick	8004	--	167	--	5
Foil (whether or not printed or backed with paper or other backing materials), not more than 0.2 mm (0.008 in) thick; tin powders and flakes	8005	52	109	NA	NA
Tubes, pipes and tube or pipe fittings	8006	371	92	5	--
Titanium:					
Ores and concentrates	2614	103,857	71,466	(3)	(3)
Oxides	2823	3,679	2,859	198	107
Metal, including alloys:					
Unwrought; waste and scrap; powders	810810	869	--	6,841	--
Unwrought; powders	810820	--	986	--	3,966
Waste and scrap	810830	NA	NA	--	495
Titanium and articles thereof ²	810890	626	120	12,962	11,456
Tungsten:					
Ores and concentrates	2611	740	142	3,064	3,176
Metal, including alloys:					
Unwrought, including bars and rods, obtained simply by sintering; waste and scrap	810191	143	--	--	--
Wolfram powders	810110	3	--	71	11

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
METALS--Continued					
Tungsten--Continued:					
Metal, including alloys--Continued:					
Wolfram bars and rods, other than those obtained simply by sintering; tungsten profiles, plates, sheets, strip and foil	810192; 810195	5	1	7	5
Wire	810193; 810196	11	18	1	3
Waste and scrap	810197	--	--	--	--
Wrought ²	810199	25	2	1	3
Uranium and thorium:					
Ores and concentrates	2612	NA	NA	NA	NA
Natural uranium and its compounds; uranium alloys, dispersions, ceramic products and mixtures containing natural uranium or natural uranium compounds	284410	NA	NA	NA	NA
Uranium and its compounds:					
Enriched in U ₂₃₅ ; plutonium and its compounds; alloys and other products containing enriched uranium or plutonium	284420	NA	NA	NA	NA
Depleted in U ₂₃₅ ; thorium and its compounds; alloys and other products containing uranium depleted in U ₂₃₅ or thorium	284430	NA	NA	NA	NA
Zinc:					
Ores and concentrates	2608	208,228	197,679	55,864	62,928
Oxide and peroxide	281700	10,481	7,296	1,106	203
Dust	790310	330	397	NA	NA
Hard zinc spelter	262011	NA	NA	132	1,266
Ash and residue (other than from the manufacture of iron or steel) containing mainly zinc, other than hard zinc spelter	262019	1,355	21	NA	NA
Metal, including alloys:					
Waste and scrap	7902	--	--	140	55
Unwrought	7901	8,848	6,708	113,034	112,375
Powders and flakes	790390	13	59	2	6
Bars, rods, profiles, wire	7904	28	61	25	26
Plates, sheets, strip and foil	7905	112	139	4,397	4,301
Tubes, pipes, and tube or pipe fittings	7906	3	5	1	--
Zirconium:					
Ores and concentrates	261510	11,817	11,507	6,898	5,007
Zirconium dioxide and germanium oxide	282560	38	160	1	--
Metal, including alloys:					
Unwrought; waste and scrap; powders	810910	1	--	208	--
Zirconium and articles thereof ²	810990	11	23	10	114
INDUSTRIAL MINERALS					
Abrasives:					
Pumice; emery; natural corundum, natural garnet and other natural abrasives, whether or not heat-treated	2513	1,356	2,964	7	9
Artificial corundum, whether or not chemically defined	281810	26,653	36,084	26,914	18,078
Carbides of silicon, whether or not chemically defined	284920	3,016	1,767	33,519	32,087
Millstones, grinding wheels and the like (no frameworks), for grinding, sharpening, etc., and parts thereof, of natural stone, abrasives or ceramics	6804	3,208	3,557	3,610	4,427
Asbestos	2524	33,904	11,831	337,385	370,904
Natural barium sulfate (barytes), natural barium carbonate (witherite), whether or not calcined (other than barium oxide of heading 2816)	2511	25,282	29,545	21	4,653
Boron materials:					
Natural borates and concentrates thereof (not borates separated from natural brine); natural boric acid with not more than 85% H ₃ BO ₃ , based on dry weight	2528	81,009	98,474	2	3
Boron, elemental	28045010	NA	NA	--	--
Oxides of boron; boric acid	281000	1,747	9,502	69,275	75,116

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
INDUSTRIAL MINERALS--Continued					
Bromine	28013090	1	79	--	--
Cement: Portland cement, aluminous cement, slag cement, super sulfate cement, similar hydraulic cement	2523	59,153	90,522	2,336,170	1,846,984
Chalk	2509	10,220	14,602	44,156	47,603
Clays:					
Bentonite, whether or not calcined	250810	126,605	54,852	7,951	5,121
Chamotte or Dinas earth	250870	22,578	21,280	3,834	2,725
Fire clay, whether or not calcined	250830	1,053,305	998,544	12,247	10,693
Decolorizing earths and Fuller's earth, whether or not calcined	250820	2,889	2,123	153	116
Kaolin and other kaolinic clays, whether or not calcined	2507	163,569	132,246	1,215	1,593
Natural cryolite; natural chiolite	2527	NA	NA	NA	NA
Diamonds, whether or not worked, but not mounted or set	7102	NA	NA	NA	NA
Diatomite: Siliceous fossil meals (including kieselguhr, tripolite, and diatomite) and similar siliceous earths of an apparent specific gravity of 1 or less	2512	7,263	7,864	228	260
Feldspar	252910	279	1,005	16,690	19,428
Fertilizer materials:					
Animal or vegetable fertilizers, including mixed or chemically treated; fertilizers made by mixing or chemically treating animal or vegetable products	3101	18	8	151	389
Mineral or chemical fertilizers:					
Nitrogenous:					
Urea, whether or not in aqueous solution	310210	8	23	1,793,088	1,807,918
Ammonium sulfate	310221	59	46	218,964	204,495
Double salts and mixtures of ammonium sulfate and ammonium nitrate ²	310229	--	1	NA	NA
Ammonium nitrate, whether or not in aqueous solution	310230	NA	NA	1,343,270	1,280,808
Mixtures of ammonium nitrate with calcium carbonate or other inorganic nonfertilizing substances	310240	--	4	3,077	1,720
Double salts and mixtures of calcium nitrate and ammonium nitrate	310260	264	499	3	98
Mixtures of urea and ammonium nitrate in aqueous or ammoniacal solution	310280	1	512	254,141	142,439
Phosphatic	3103	NA	NA	729	1,056
Potassic:					
Potassium chloride	310420	NA	NA	3,568,572	3,334,222
Potassium sulfate	310430	82	29,052	49,449	51,880
Other	310490	107	--	9	2
Fluorspar:					
Containing 97% or less calcium fluoride by weight	252921	197,307	137,580	3,321	753
Containing more than 97% calcium fluoride by weight	252922	2,346	6,143	9	--
Graphite, natural	2504	7,502	10,333	1,048	1,383
Gypsum; anhydrite; plasters consisting of calcined gypsum or calcined sulfate	2520	62,287	118,325	13,614	22,824
Iodine	280120	87	88	47	15
Kyanite and related materials:					
Andalusite, kyanite, sillimanite, whether or not calcined	250850	14	5	NA	NA
Mullite	250860	--	--	NA	NA
Lime: Quicklime, slacked lime and hydraulic lime other than calcium oxide and hydroxide of heading 2825	2522	4,172	4,481	NA	NA
Magnesium compounds:					
Natural magnesium carbonate (magnesite)	251910	6,630	9,758	742	1,425
Fused magnesia; dead-burned (sintered) magnesia; other magnesium oxide, whether or not pure ²	251990	86,517	72,556	189,762	171,030
Kieserite, epsom salts (natural magnesium sulfates)	253020	531	1,071	--	--

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
INDUSTRIAL MINERALS--Continued					
Mica:					
Mica, including splittings; mica waste	2525	172	365	1,090	1,156
Worked mica and articles of mica, including agglomerated or reconstituted mica, whether or not on a support of paper, paperboard or other materials	6814	82	70	360	322
Nitrates: Sodium nitrates	310250	1,230	1,019	802	717
Phosphates: Natural calcium phosphates, natural aluminum calcium phosphates and phosphatic chalk	2510	7,181	25,675	3,069,645	3,244,019
Phosphorus	280470	999	5,831	--	--
Pigments, mineral:					
Natural micaeous iron oxides	253040	1,701	--	NA	NA
Iron oxides and hydroxides; earth colors containing 70% or more of combined iron evaluated as Fe ₂ O ₃ by weight	2821	9,501	9,920	546	183
Potassium salts: Carnallite, sylvite and other crude natural potassium salts	310410	22	7	1,951	1,601
Precious stones (other than diamonds) and semiprecious stones, whether or not worked or graded, but not strung, mounted or set; ungraded precious stones (other than diamonds) and semiprecious stones, temporarily strung for convenience of transport	7103	NA	NA	NA	NA
Pyrite: Unroasted iron pyrites	2502	NA	NA	NA	NA
Quartz crystal: Piezoelectric quartz	710410	NA	NA	NA	NA
Salt and brine: Salt (including table salt and denatured salt) and pure sodium chloride, whether or not in aqueous solution or containing added anticracking or free-flowing agents; seawater	2501	662,374	746,584	23,980	21,166
Sodium:					
Disodium carbonate	283620	62,375	49,017	450,551	474,467
Disodium sulfate	283311	27	23	2,993	1,716
Stone, sand and gravel:					
Slate, whether or not roughly trimmed or merely cut, by sawing, etc. into blocks or slabs of rectangular or square shape	2514	3,882	8,200	3	4
Marble, travertine, and other calcareous building, etc.; stone of an apparent specific gravity of 2.5 or more and alabaster roughly shaped, etc. or cut	2515	5,440	8,643	4,911	4,192
Granite, porphyry, basalt, sandstone and other building, etc.; stone, whether or not roughly trimmed or merely cut, by sawing, etc.	2516	37,353	45,687	4,132	6,258
Sets, curbstones, flagstones, of natural stone (except slate)	6801	25,245	13,909	425	78
Worked monumental or building stone and articles thereof; mosaic cubes and the like and colored granules, chippings and powder, of natural stone ²	6802	62,129	78,107	2,090	2,498
Worked slate and articles of slate or agglomerated slate	6803	1,548	1,663	NA	NA
Dolomite, whether or not calcined; dolomite roughly trimmed or merely cut into blocks or slabs of rectangular or square shape; agglomerated dolomite	2518	47,973	72,041	NA	NA
Pebbles, gravel, etc. used for concrete aggregates, etc.; granules, chippings, and powder of marble, alabaster, granite, etc.	2517	3,858,753	4,698,931	316,602	199,616
Limestone flux; limestone and other calcareous stone, of a kind used for the manufacture of lime or cement (or for soil improvement)	2521	21,576	22,937	74,848	30,193
Quartz (other than natural sands); quartzite, whether or not roughly trimmed or merely cut into blocks or slabs of rectangular or square shape	2506	33,025	86,314	68,607	35,249
Natural sands of all kinds, other metal-bearing sands	2505	106,979	112,056	90,359	39,384
Sulfur:					
Sulfur of all kinds, other than sublimed sulfur, precipitated sulfur and colloidal sulfur	2503	9,714	62,214	1,544,925	3,240,199
Sulfur, sublimed or precipitated; colloidal sulfur	2802	56	82	62	6
Dioxide	281123	655	3,421	769	703
Acid; oleum	280700	20,198	18,826	9,516	7,053

See footnotes at end of table.

TABLE 26--Continued
RUSSIA: EXPORTS AND IMPORTS, BY MINERAL COMMODITY

(Metric tons)

Commodity	HTS ¹	Exports		Imports	
		2001	2002	2001	2002
INDUSTRIAL MINERALS--Continued					
Talc, steatite, soapstone, pyrophyllite: Natural steatite, whether or not roughly trimmed or merely cut into blocks or slabs of rectangular or square shape; talc	2526	12,353	14,109	1,380	948
Vermiculite, perlite, chlorites unexpanded	253010	13,779	18,171	9,905	8,980
Other:					
Salt; sulfur; earths and stone; plastering materials, lime, cement	25	NA	NA	NA	NA
Granulated slag (slag sand) from iron or steel manufacture	2618	145,874	140,202	--	--
Slag, gross (other than granulated slag), scalings and other waste from the manufacture of iron or steel	2619	43,991	53,148	3,816	1,689
MINERAL FUELS AND RELATED MATERIALS					
Asphalt and bitumen: Natural; asphaltites and asphaltic rocks	271490	1,795	2,338	21	16
Carbon, including carbon black ²	2803	9,200	921	159,179	214,604
Coal:					
Whether or not pulverized but not agglomerated:					
Anthracite coal	270111	481,252	21,939	2,205,764	2,834,117
Bituminous coal	270112	129,080	208,171	42,474,061	38,426,303
Lignite coal	2702	242,013	86,841	219,421	78,880
Briquettes, ovoids and similar solid fuels from coal	270120	--	62,214	3,723	351
Coke and semicoke of coal, of lignite or of peat, whether or not agglomerated; retort carbon	2704	NA	NA	2,086,175	3,188,039
Gas:					
Manufactured: Coal gas, water gas, producer gas and other similar gases, except petroleum gases and other gaseous hydrocarbons					
	2705	5	--	NA	NA
Natural:					
Gaseous	271121	3,219,634	6,277,825	145,079,939	161,070,093
Liquefied	271111	--	--	--	13
Peat, including peat litter, whether or not agglomerated	2703	1,117	1,195	56,919	71,635
Petroleum:					
Crude: Petroleum oils and oils from bituminous minerals	2709	5,066,704	6,140,200	145,345,480	184,045,096
Refinery products:					
Liquefied petroleum gas:					
Propane	271112	70	344	612,998	566,461
Butanes	271113	1,234	824	160,133	211,140
Ethylene, propylene, butylene, butadiene liquefied	271114	3,288	5,390	--	962
Petroleum gases and other gaseous hydrocarbons ²	271119	995	6,006	35,250	2,330
Petroleum oils and oils from bituminous minerals (other than crude) and products therefrom nesoi containing 70% or more of these oils by weight	2710	157,270	143,222	68,431,657	74,681,228
Petroleum jelly; paraffin wax, microcrystalline petroleum wax, slack wax, other mineral waxes, similar products	2712	4,079	4,167	NA	NA
Petroleum bitumen	271320	9,716	10,117	267,378	318,739
Residues of petroleum oils and oils from bituminous minerals ²	271390	152	95	56,986	40,959
Bituminous mixtures based on natural asphalt, natural bitumen, petroleum bitumen, mineral tar, or mineral tar pitch	2715	7,408	2,289	3,834	6,590
Petroleum coke:					
Not calcined	271311	575,457	399,604	163,415	118,634
Calcined	271312	179,972	132,538	1,008	--

NA Not available. -- Zero.

¹U.S. Harmonized Tariff Schedule (HTS).

²Not elsewhere specified or included.

³Less than 1/2 unit.

Source: Global Trade Atlas, prepared by Global Trade Information Services, Inc.

TABLE 27
RUSSIA: VALUE OF EXPORTS OF SELECTED MINERAL COMMODITIES¹

(Dollars)

Commodity	HTS ²	2001	2002
METALS			
Arsenic mineral substances ³	253090	5,295,030	6,889,058
Cadmium and articles thereof, including waste and scrap	8107	303,354	951,281
Cobalt mattes and other intermediate products of cobalt metallurgy; cobalt and articles thereof, including waste and scrap	8105	99,741,904	56,747,281
Columbium (niobium), gallium, hafnium, indium, rhenium, tantalum, thallium, vanadium: Vanadium oxides and hydroxides	282530	19,000,595	18,787,204
Iron and steel:			
Spongy ferrous products from direct reduction of ore and products in lumps, pellets, etc.; iron, at least 99.94% (weight) pure, in lumps, pellets, etc.	7203	53,899,550	72,591,015
Flat-rolled iron or nonalloy steel products, 600 mm (23.6 in) or more wide:			
Hot-rolled, not clad, plated or coated	7208	880,846,534	1,340,754,922
Cold-rolled, not clad, plated or coated	7209	427,125,670	578,793,586
Magnesium metal, including alloys, waste, and scrap, containing 99.8% or more magnesium by weight, unwrought	810411	39,687,149	43,509,965
Nickel, metal, including alloys, unwrought	7502	1,086,263,372	1,688,336,887
Tin, metal, including alloys, unwrought	8001	9,543,248	7,801,732
Titanium, metal, including alloys, titanium, and articles thereof ³	810890	195,354,976	154,213,881
Zinc, metal, including alloys, unwrought	7901	97,321,515	89,336,466
INDUSTRIAL MINERALS			
Asbestos	2524	55,269,574	57,594,051
Boron materials, oxides of boron; boric acid	281000	24,043,597	24,026,510
Cement: Portland cement, aluminous cement, slag cement, supersulfate cement, similar hydraulic cement	2523	49,251,309	46,151,721
Phosphates: Natural calcium phosphates, natural aluminum calcium phosphates, phosphatic chalk	2510	115,064,272	113,525,873
Sulfur of all kinds, other than sublimed sulfur, precipitated sulfur and colloidal sulfur	2503	23,947,604	60,521,733
MINERAL FUELS AND RELATED MATERIALS			
Bituminous coal, whether or not pulverized but not agglomerated	270112	1,269,996,167	1,021,123,154

¹Commodities selected when value of trade is not reported in Commonwealth of Independent States (CIS) trade data table.

²U.S. Harmonized Tariff Schedule (HTS).

³Not elsewhere specified or included.

Source: Global Trade Atlas, prepared by Global Trade Information Services, Inc.

TABLE 28
RUSSIA: VALUE OF IMPORTS OF SELECTED MINERAL COMMODITIES¹

(Dollars)

Commodity	HTS ²	2001	2002
METALS			
Aluminum oxide except artificial corundum ³	281820	934,659,522	750,805,204
Chromium ores and concentrates	2610	83,708,347	75,230,719
Iron and steel:			
Ore concentrates (other than roasted iron pyrites) and nonagglomerated iron ores	260111	90,362,705	97,751,577
Ferroalloys:			
Ferromanganese:			
Containing more than 2% (weight) carbon	720211	43,050,526	32,850,812
Containing 2% (weight) or less carbon	720219	16,367,321	10,987,699
Ferrosilicon manganese	720230	82,853,510	83,724,045
Lead, metal, including alloys, unwrought	7801	22,816,316	22,312,685
Manganese ores and concentrates, including ferruginous manganese ores and concentrates with a manganese content of 20% or more, based on dry weight	2602	36,347,412	33,971,691
Tin:			
Ores and concentrates	2609	1,982,616	1,484,942
Metal, including alloys, unwrought	8001	1,513,701	2,562,673
Titanium ores and concentrates	2614	14,307,035	9,292,947
Zirconium ores and concentrates	261510	5,443,315	4,860,252
INDUSTRIAL MINERALS			
Boron materials: Natural borates and concentrates thereof (not borates separated from natural brine); natural boric acid with not more than 85% H ₃ BO ₃ , based on dry weight	2528	982,040	1,151,254
Clays:			
Fire clay, whether or not calcined	250830	10,823,146	9,698,385
Kaolin and other kaolinic clays, whether or not calcined	2507	7,447,341	6,984,814
Fluorspar containing 97% or less calcium fluoride by weight	252921	19,144,861	12,570,428
Graphite, natural	2504	2,389,336	3,308,538
Magnesium compounds: Fused magnesia; dead-burned (sintered) magnesia; other magnesium oxide, whether or not pure ³	251990	25,805,526	22,115,254

¹Commodities selected when value of trade is not reported in Commonwealth of Independent States (CIS) trade data table.

²U.S. Harmonized Tariff Schedule (HTS).

³Not elsewhere specified or included.

Source: Global Trade Atlas, prepared by Global Trade Information Services, Inc.

TABLE 29
TAJKISTAN: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$651.6	100.00	\$687.5	100.00	-\$35.9	\$737.0	100.00	\$720.5	100.00	\$16.5
Of which:										
Mineral products	80.9	12.42	257.0	37.38	-176.1	72.0	9.77	225.4	31.28	-153.4
Products of the chemical or allied industries	5.4	0.83	234.0	34.04	-228.6	2.3	0.31	219.6	30.48	-217.3
Articles of stone, cement, asbestos, mica, glass and glassware	(2)	(2)	6.5	0.95	-8.5	1.7	0.23	9.5	1.32	-7.8
Nonprecious metals and articles of nonprecious metal	399.9	61.37	12.7	1.85	387.2	401.3	54.45	13.0	1.80	388.3
Other	165.4	25.38	177.3	25.79	-11.9	259.7	35.24	253.0	35.11	6.7

¹Data may not add to totals shown owing to independent rounding.

²Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 30
TAJKISTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Unwrought aluminum:	7601				
Commonwealth of Independent States (CIS):					
Azerbaijan		373.0	530.0	379.0	504.0
Belarus		543.0	881.0	633.0	967.0
Kazakhstan		XX	XX	64.0	83.0
Kyrgyzstan		63.0	93.0	303.0	460.0
Russia		34,657.0	51,830.0	1,221.0	1,618.0
Turkmenistan		6,550.0	9,503.0	7,213.0	9,767.0
Ukraine		65.0	117.0	XX	XX
Uzbekistan		776.0	1,097.0	1,204.0	1,597.0
Total		43,027.0	64,051.0	11,017.0	14,996.0
Other countries:					
Hungary		27,637.0	38,302.0	28,748.0	38,137.0
Iran		17,183.0	24,387.0	9,668.0	12,452.0
Netherlands		143,016.0	194,371.0	166,247.0	215,176.0
United Arab Emirates		57.0	80.0	128.0	168.0
Republic of Korea		143.0	232.0	441.0	603.0
Turkey		54,442.0	74,837.0	86,530.0	113,859.0
Unspecified		855.0	1,094.0	1,402.0	1,660.0
Total		243,333.0	333,303.0	293,164.0	382,055.0
World total		286,360.0	397,354.0	304,181.0	397,051.0

XX Not applicable.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 31
TAJKISTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002		
		Quantity	Value ³	Quantity	Value ³	
Petroleum products:						
Commonwealth of Independent States (CIS):						
Azerbaijan		380.0	147.0	45,607.0	10,262.0	
Kazakhstan		29,030.0	6,852.0	23,125.0	4,767.0	
Kyrgyzstan		3,855.0	990.0	628.0	198.0	
Russia		27,010.0	8,202.0	23,120.0	5,797.0	
Turkmenistan		147,166.0	41,211.0	133,758.0	32,712.0	
Ukraine		329.0	177.0	22.0	80.0	
Uzbekistan		84,887.0	20,432.0	109,754.0	19,199.0	
Total		292,657.0	78,011.0	336,014.0	73,015.0	
Other countries:						
United Kingdom		44.0	27.0	139.0	131.0	
Iran		628.0	117.0	603.0	103.0	
Latvia		136.0	105.0	10.0	18.0	
United Arab Emirates		15.0	5.0	11.0	4.0	
Unspecified		11.0	7.0	474.0	157.0	
Total		834.0	261.0	1,237.0	413.0	
World total		293,491.0	78,272.0	337,251.0	73,428.0	
Natural gas: CIS: Uzbekistan	million cubic meters	271121000	565.0	26,668.0	486.0	22,358.0
Artificial corundum; aluminum oxide and hydroxide:						
CIS:						
Azerbaijan		87,386.0	30,578.0	80,970.0	23,494.0	
Kazakhstan		61,840.0	22,446.0	32,414.0	9,531.0	
Russia		3,577.0	1,289.0	59.0	17.0	
Ukraine		138,191.0	48,371.0	209,775.0	62,472.0	
Uzbekistan		633.0	196.0	XX	XX	
Total		291,627.0	102,880.0	323,218.0	95,514.0	
Other countries:						
Venezuela		25,528.0	8,318.0	XX	XX	
Guinea		XX	XX	20,865.0	5,930.0	
Greece		21,155.0	7,394.0	58,269.0	17,404.0	
India		98,641.0	33,026.0	105,663.0	31,380.0	
Spain		9,552.0	2,911.0	7,366.0	2,177.0	
Italy		37,626.0	12,396.0	67,521.0	20,148.0	
Romania		30,555.0	10,852.0	XX	XX	
Turkey		XX	XX	18,591.0	5,490.0	
Unspecified		19,178.0	6,252.0	(4)	30.0	
Total		242,235.0	81,149.0	278,275.0	82,559.0	
World total		533,862.0	184,029.0	601,493.0	178,073.0	
Mineral or chemical fertilizers, nitrogenous: CIS:						
3102						
Kazakhstan	thousand metric tons	187.0	27.0	2,306.0	342.0	
Russia	do.	29,542.0	3,976.0	33,181.0	4,507.0	
Uzbekistan	do.	49,680.0	5,420.0	37,838.0	4,353.0	
Total	do.	79,409.0	9,423.0	73,325.0	9,202.0	
Semifinished products of carbon steel: CIS:						
7207						
Russia		3,722.0	1,096.0	3,733.0	1,060.0	
Uzbekistan		134.0	37.0	520.0	143.0	
Total		3,856.0	1,133.0	4,253.0	1,203.0	
Flat-rolled products of carbon steel, cold-rolled:						
7209						
CIS:						
Kazakhstan		88.0	106.0	742.0	181.0	
Russia		184.0	81.0	550.0	109.0	
Uzbekistan		XX	XX	67.0	29.0	
Total		272.0	187.0	1,359.0	319.0	
Other countries						
		XX	XX	1.0	(4)	
World total		272.0	187.0	1,360.0	319.0	

See footnotes at end of table.

TABLE 31--Continued
TAJIKISTAN: GEOGRAPHICAL DISTRIBUTION OF MINERAL COMMODITY EXPORTS, BY COUNTRY¹

(Metric tons and thousand dollars unless otherwise specified)

Commodities and countries	TNEEA code of CIS ²	2001		2002	
		Quantity	Value ³	Quantity	Value ³
Tubes, pipes, of iron or steel:	7304-7306				
CIS:					
Belarus		XX	XX	(4)	1.0
Kazakhstan		68.0	2.0	15.0	1.0
Kyrgyzstan		77.0	13.0	XX	XX
Russia		1,221.0	486.0	1,313.0	852.0
Ukraine		723.0	338.0	477.0	279.0
Uzbekistan		XX	XX	XX	XX
Total		2,089.0	839.0	1,805.0	1,133.0
Other countries:					
United Kingdom		(4)	5.0	3.0	17.0
Iran		84.0	12.0	36.0	7.0
Lithuania		XX	XX	23.0	44.0
Unspecified		1.0	1.0	4.0	10.0
Total		85.0	18.0	66.0	78.0
World total		2,174.0	857.0	1,871.0	1,211.0

XX Not applicable.

¹Data may not add to totals shown owing to independent rounding.

²Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

³Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

⁴Less than 1/2 unit.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 32
UKRAINE: VALUE OF EXPORTS AND IMPORTS, BY MINERAL GROUP¹

Mineral group	2001					2002				
	Exports		Imports		Trade balance	Exports		Imports		Trade balance
	Value (millions)	Percentage of total	Value (millions)	Percentage of total		Value (millions)	Percentage of total	Value (millions)	Percentage of total	
Total, all commodities	\$16,264.7	100.00	\$15,775.1	100.00	\$489.6	\$17,957.1	100.00	\$16,976.8	100.00	\$980.3
Of which:										
Mineral products	1,749.8	10.76	6,725.3	42.63	-4,975.5	2,244.9	12.50	7,047.3	41.51	-4,802.4
Products of the chemical or allied industries	1,478.4	9.09	1,126.8	7.14	351.6	1,397.0	7.78	1,375.0	8.10	22.0
Articles of stone, cement, asbestos, mica, glass and glassware	141.3	0.87	184.7	1.17	-43.4	147.3	0.82	202.4	1.19	-55.1
Nonprecious metals and articles of nonprecious metal	6,720.3	41.32	821.0	5.20	5,899.3	7,125.6	39.68	810.9	4.78	6,314.7
Other	6,174.9	37.97	6,917.3	43.85	-742.4	7,042.3	39.22	7,541.2	44.42	-498.9

¹Data may not add to totals shown owing to independent rounding.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 33
UKRAINE: EXPORTS OF SELECTED MAJOR MINERAL COMMODITIES

(Thousand metric tons and thousand dollars)

Commodities	TNEEA code of CIS ¹	2001		2002	
		Quantity	Value ²	Quantity	Value ²
Iron ores and concentrates, including roasted iron pyrites	2601	18,054	354,049	18,437	353,198
Coal	2701	3,730	110,849	3,092	97,828
Petroleum:					
Crude	2709	83	13,909	419	61,392
Products	2710	5,582	735,206	8,690	1,127,999
Ammonia, anhydrous or in aqueous solution	2814	1,738	215,464	1,549	159,570
Artificial corundum, aluminum oxide and hydroxide	2818	1,151	230,717	1,161	195,089
Mineral or chemical fertilizers:					
Nitrogenous	3102	1,862	357,119	1,946	398,022
Containing 2 or 3 of the fertilizing elements--nitrogen, phosphorous and potassium; other fertilizers	3105	43	6,952	14	2,335
Pig iron and spiegeleisen in pigs	7201	737	75,322	1,019	113,438
Ferroalloys	7202	860	352,735	951	452,520
Ferrous waste and scrap	7204	4,529	325,022	3,813	318,389
Semifinished products of carbon steel	7207	9,079	1,400,092	10,363	1,622,758
Flat-rolled products of carbon steel:					
Hot-rolled	7208	5,565	895,272	6,083	1,112,420
Cold-rolled	7209	1,127	240,416	1,174	264,181
Bars and rods of carbon steel, hot-rolled	7213	1,878	325,159	2,036	376,677
Angles, shapes, and sections of iron or nonalloy steel	7216	974	175,889	908	167,665
Tubes, pipes, and hollow profiles of iron or steel, seamless	7304	738	315,588	637	240,212
Unwrought aluminum	7801	273	353,254	212	280,795

¹Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

²Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.

TABLE 34
UKRAINE: EXPORTS OF SELECTED MAJOR MINERAL COMMODITIES

(Thousand metric tons and thousand dollars)

Commodities	TNEEA code of CIS ¹	2001		2002	
		Quantity	Value ²	Quantity	Value ²
Natural calcium phosphates, natural aluminum calcium phosphates, and phosphatic chalk	2510	236	11,938	111	5,057
Natural magnesium carbonate (magnesite)	2519	484	65,560	440	58,348
Iron ores and concentrates, including roasted iron pyrites	2601	6,193	114,215	5,038	82,423
Aluminum ores and concentrates	2606	3,456	161,985	3,731	126,362
Coal	2701	6,552	287,972	5,557	207,215
Petroleum:					
Products	2709	13,284	2,105,316	18,867	2,430,822
Gases and other gaseous hydrocarbons	3102	38,497	3,289,006	38,012	3,521,591
Ferroalloys	7202	48,019	47,574	71,487	43,131

¹Trade Nomenclature of External Economic Activity (TNEEA) of the Commonwealth of Independent States (CIS).

²Conversion of statistical value to U.S. dollars is performed using official exchange rate of the national banks of the CIS countries on the day of Cargo Control Document (CCD) receipt by the customs body and its execution.

Source: External Trade of the CIS Countries, Statistical Abstract, Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2003.