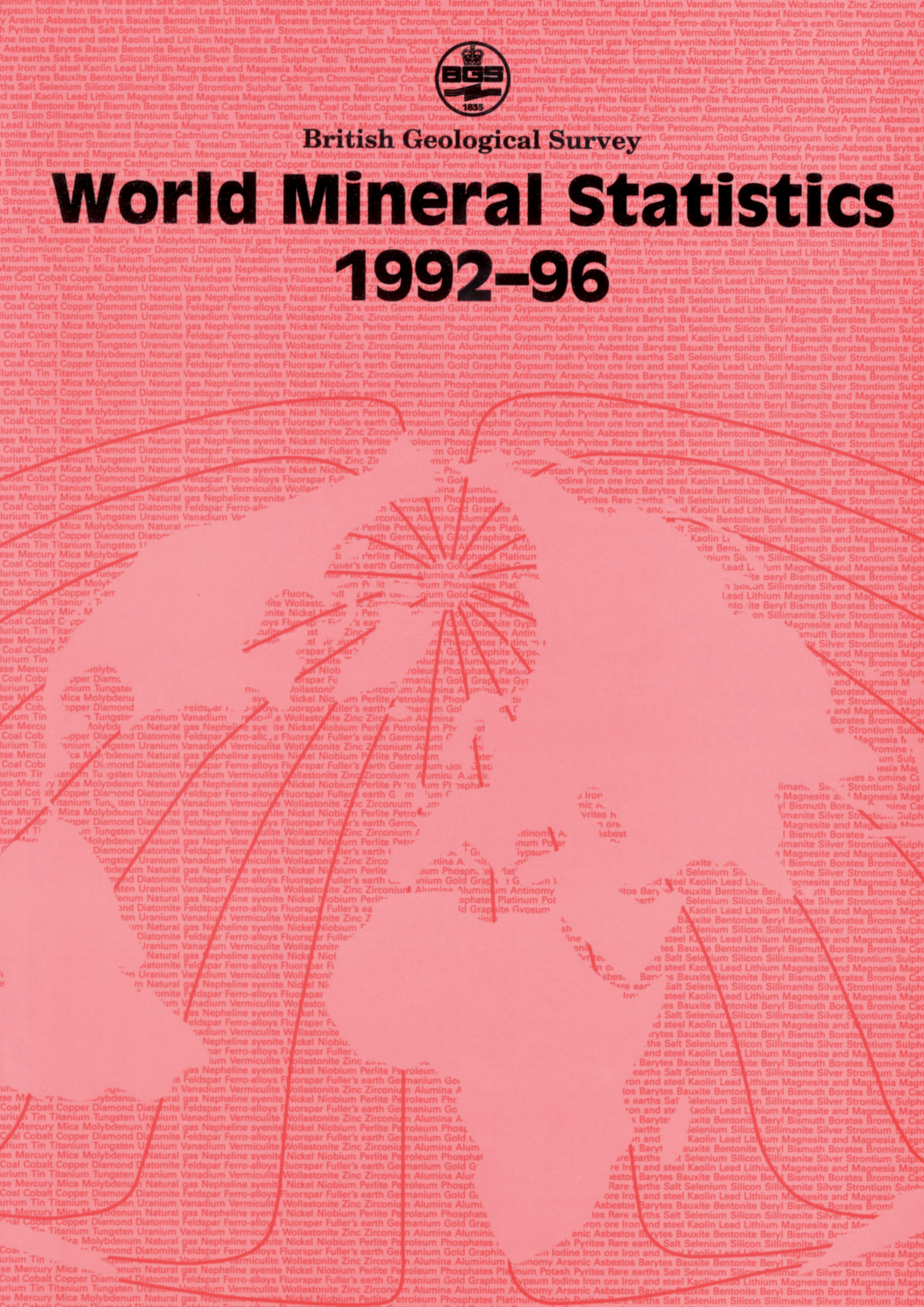




British Geological Survey

World Mineral Statistics 1992-96



BRITISH GEOLOGICAL SURVEY

WORLD MINERAL STATISTICS 1992–96

Production: Exports: Imports

Compiled by L E Stockwell, J A Hillier,
K A Linley, A J Mills, R White
Research by G R Chapman

© NERC copyright 1998
First Published 1998

BRITISH GEOLOGICAL SURVEY

Keyworth, Nottingham NG12 5GG
☎ 0115-936 3100

Murchison House, West Mains Road, Edinburgh EH9 3LA
☎ 0131-667 1000

The full range of Survey publications is available from the BGS Sales Desk at the Survey headquarters, Keyworth, Nottingham. The more popular maps and books may be purchased from BGS-approved stockists and agents and over the counter at the Bookshop, Gallery 37, Natural History Museum, Cromwell Road, (Earth Galleries), London. Sales Desks are also located at the BGS London Information Office, and at Murchison House, Edinburgh. The London Information Office maintains a reference collection of BGS publications including maps for consultation. Some BGS books and reports may also be obtained from the Stationary Office Publications Centre or from Stationary Office bookshops and agents.

The British Geological Survey carries out the geological survey of Great Britain and Northern Ireland (the latter as an agency service for the government of Northern Ireland), and of the surrounding continental shelf, as well as its basic research projects. It also undertakes programmes of British technical aid in geology in developing countries as arranged by the Department for International Development.

The British Geological Survey is a component body of the Natural Environment Research Council.

All communications regarding the content of this publication should be addressed to the Group Manager, Minerals Group, British Geological Survey, Keyworth, Nottingham NG12 5GG ☎ 0115-936 3493 Fax 0115 936 3520

The compilations presented in this book are copyright and may not be reproduced in any form without the permission of the Director, British Geological Survey.

Bibliographical reference

BRITISH GEOLOGICAL SURVEY. 1998. *World mineral statistics 1992-96: production: exports: imports.* (Keyworth, Nottingham: British Geological Survey.)

Compilers

Staff of the Minerals Group
British Geological Survey, Keyworth

Printed by Saxon Graphics Ltd, Derby

ISBN 0 85272 308 3

PREFACE

This volume is the twentieth in the series *World Mineral Statistics*.

The publication is compiled from a more comprehensive dataset maintained by the Minerals Group of the British Geological Survey. Additional data, such as those for the value of minerals produced, for country breakdowns of trade, and for trade in other minerals, can be supplied on request. Data on consumption are not routinely compiled but it is possible to calculate apparent consumption (i.e. ignoring stock changes unless this information is obtainable elsewhere) of many commodities from the published production and trade data.

Many minerals and metals continued to show an upward trend in production in 1996. Mine production of bauxite, copper, nickel and tin, in particular, has increased strongly. The apparently constant level of lead production may indicate that continued growth in vehicle battery demand is now offsetting environmental constraints on other uses. The ten-year growth rate for nickel (1986-96) has been above 3% per annum, reflecting chiefly the demand for stainless steel. Total steel output declined slightly in 1996 and this is reflected in similar decreases for the steel-alloying metals chromium, molybdenum, manganese and vanadium.

Industrial minerals production in general also showed an increase over 1995 with the exceptions of fluorspar (which reflects the ban on chlorinated fluoro-carbons) kaolin and potash (which show little change) and of asbestos (which continues to decline due to environmental concerns). Statistics for the minor industrial minerals are liable to be overlooked in national compilations and some abrupt changes recorded in recent years may be due to this effect.

Coal production continued its recovery from the low point of 1993. China accounts for more than 27 per cent of total world coal production. Petroleum production attained an historic high level in 1996, as also did that of natural gas, half of which is produced by Russia and the USA.

The world maps of production, in conjunction with the statistical tables, show that the production of many non-fuel minerals also remains concentrated in a relatively small number of countries. Of nickel mine production, 65 per cent is accounted for by four countries (although Russia is now a significant exporter to the west). More than 60 per cent of copper production is from North and South America, while South Africa and Kazakhstan together account for more than 60 per cent of chromite production. Gold provides an example of the opposite trend: production in South Africa has declined in the last ten years, while output from Australia, USA, Canada and others has increased.

World Mineral Statistics is now the only English-language publication that attempts to give comprehensive data on world minerals trade. Trade information for the latest year covered by the book is necessarily incomplete since the tables are prepared before many countries have produced their national statistics of trade. Trade data for some major trading countries are not published and for these countries reconstruction of the imports and exports was made by searching the official publications of their trading partners. Such reconstructed figures are shown as estimates in the tables.

In each successive volume account is taken of revisions and information received after the publication of the previous issue so that data for every year are as up to date as is practicable. The objective remains to present the latest complete information from primary sources, that is, from individual producing and trading countries, rather than to reproduce data from compilations made by other organisations working in the same field of world mineral statistics. However, such secondary sources have been fully consulted and the co-operation afforded to the British Geological Survey by numerous national and international organisations is gratefully acknowledged.

Minerals and living resources are the twin pillars of civilisation. The supply, movement and consumption of minerals, as recorded by statistics, provides the basis for most industrial and agricultural output. The British Geological Survey continues to provide a reliable, comprehensive and continuous set of data covering most of the minerals that enter international trade. Such data are essential to the accuracy of economic analysis, the approach to sustainable development and a balanced input to environmental decisions. We hope to continue this statistical service at its present high standard with the continued vital support of the Department of Trade and Industry whose role in helping to fund the compilation of the World Mineral Statistics Database is acknowledged.

Criticisms and suggestions that might help us to meet your changing needs would be welcome.

David A. Falvey, PhD
Director

British Geological Survey
Keyworth
Nottingham NG12 5GG

27 February 1998

CONTENTS

Commodity Index

Alumina 3	Magnesium 278
Aluminium 4	Manganese 163
Antimony 16	Mercury 168
Arsenic 21	Mica 171
Asbestos 24	Molybdenum 175
Barytes 28	Natural gas 188
Bauxite 2	Nepheline syenite 278
Bentonite 31	Nickel 179
Beryl 277	Niobium 241
Bismuth 37	Perlite 278
Borates 277	Petroleum 186
Bromine 40	Phosphates 193
Cadmium 43	Platinum 196
Chromium 46	Potash 201
Coal 51	Pyrites 227
Cobalt 59	Rare earths 209
Copper 64	Salt 213
Diamond 76	Selenium 279
Diatomite 83	Silicon 119
Feldspar 86	Sillimanite 219
Ferro alloys 119	Silver 222
Fluorspar 89	Strontium 279
Fuller's earth 31	Sulphur 227
Germanium 277	Talc 237
Gold 92	Tantalum 241
Graphite 99	Tellurium 280
Gypsum 102	Tin 244
Iodine 109	Titanium 250
Iron ore 112	Tungsten 256
Iron and steel 116	Uranium 280
Kaolin 141	Vanadium 261
Lead 145	Vermiculite 281
Lithium 154	Wollastonite 281
Magnesite & Magnesia 157	Zinc 264
	Zirconium 273

Maps of world production

(Following page 281)

Chromium	Manganese
Coal	Nickel
Copper	Crude Petroleum
Gold	Natural Gas
Iron Ore	Phosphate Rock

Graphs of world production 1991-96

Bauxite	Manganese
Barytes	Nickel
Chromium	Petroleum
Coal	Natural Gas
Copper	Phosphate Rock
Diamond	Platinum Group Metals
Gold	Salt
Gypsum	Tin
Iron Ore	Titanium
Lead	Zinc

EXPLANATORY NOTES

Coverage

World Mineral Statistics covers the majority of economically important, and internationally traded, mineral commodities. For each commodity constant efforts are made to ensure that as many producing and trading countries as possible are reported and that trade data cover all major traded forms. For some commodities, where statistics on production and trade are not publicly available, estimates are made. Users of this compilation are advised that more statistical information than can be included in a publication of this nature is held in the Minerals Group files and is available for consultation. Historical data (1913-1970) can be obtained from the predecessor to this series entitled the *Statistical Summary of the Mineral Industry*.

Arrangement of countries

After the United Kingdom, if listed, countries are ordered alphabetically in geographical groupings as follows:

- European Union (EU)
- Europe other than EU; including the Soviet Union
- Africa
- North and Central America, including the Caribbean
- South America
- Asia
- Australasia, including the Pacific Islands

So far as possible the nomenclature follows the London Diplomatic List and United Nations usage.

Production

Metals Mine production of many metals is expressed in terms of metal content. This is clearly indicated at the head of the table, adjacent to the unit used. For aluminium, cobalt, copper, iron, lead, nickel, tin and zinc, mine production and metal production are shown in separate tables. Unless otherwise specified, metal production statistics relate to metal recovered from both domestic or imported materials, whether primary or secondary, but exclude remelted material.

Trade

South Africa Import data are taken from the trade statistics of the common customs area, which includes Botswana, Lesotho, Namibia, South Africa and Swaziland, and relate to this area as a whole. Where separate data are available for any of these countries they have also been shown even though this may result in some double counting.

Export data are taken from returns furnished by producers to the Department of Mineral and Energy Affairs, and may be shipments rather than actual exports.

Estimates for other South Africa exports, based on reconstruction from importing countries, may include material originating in any of the countries of the common customs area and so involve some double counting on tables where these are listed separately.

USA US trade statistics show trade between the US customs territory and foreign countries, but exclude trade between the US and Puerto Rico, and between the US and Guam, American Samoa and other US possessions. Also excluded is trade between any of these outlying areas, shipments from US possessions to foreign countries, and shipments for the use of the US Government in foreign countries.

General Although every effort has been made to provide comprehensive coverage of trade statistics the resulting trade compilations depend on the nature of the data available. The fact that a country is not shown as trading in a particular commodity does not necessarily imply that there is no trade in that item. The commodity may not be separately identified in the available trade statistics or may not be traded in significant quantities.

Where an estimate for a trade statistic has been reconstructed from the imports/exports of other countries, the resulting figure may be conservative, as complete coverage of world trade is seldom available.

In general, export statistics include re-exports. The distinction is only made when re-exports are recorded separately in the relevant national trade account and are deemed to be significant.

Tables showing trade in metals covered by Standard International Trade Classification (Revision 3) 689.1, 8 & 9, and 699.8 & 9 (Antimony, Bismuth, Cadmium, Chromium, Cobalt, Manganese, Molybdenum, Tantalum–Niobium, Titanium, Tungsten, Vanadium and Zirconium) include under the term ‘metal’, unwrought and wrought forms, powder, alloys, waste and scrap, unless these are separately shown. Trade tables of other metals include only unwrought forms under the term ‘metal’.

Acknowledgements

Compilation of this volume of mineral statistics has been possible only by obtaining information from a very large number of organisations throughout the world, chiefly home and overseas government departments and specialist national or international authorities concerned with particular sectors of the minerals or metals industries. To all these bodies the British Geological Survey expresses its grateful acknowledgement for the information made available, whether in published form or provided by direct correspondence.

Among the numerous overseas government agencies which have provided valuable information, particular acknowledgement is made to the United States Geological Survey and the Mines Departments of other countries whose regular statements, yearbooks and other reports are worthy of direct consultations by readers in search of detail.

Specialist commodity organisations which have kindly allowed information to be reproduced include the International Copper Study Group, the International Lead and Zinc Study Group, the International Nickel Study Group, the International Fertilizer Industry Association Ltd, the UN Food and Agriculture Organization and the UNCTAD. In a few instances, information on specific commodities has been obtained directly from company sources. The co-operation of the International Consulting Group for Non-Ferrous Metals is also gratefully acknowledged.

Supplementary information is also obtained from publications dealing with a wider range of commodities such as *Annales des Mines*, *Realites Industrielles and Annuaire Statistique*; Metallgesellschaft AG, *Metallstatistik*; Mining Journal, *Mining Annual Review*; Enirisorse, *Metalli Non Ferrosi*; World Bureau of Metal Statistics, *World Metal Statistics*; and publications of the United Nations and its agencies.

Units

The Statistics shown in this volume are expressed in metric units. The following factors are given for converting to non-metric units:

tonnes \times 0.9842 = long tons
 tonnes \times 1.1023 = short tons
 kilograms \times 2.2046 = pounds
 kilograms \times 32.1507 = troy ounces
 cubic metres \times 35.3147 = cubic feet
 1 tonne of crude petroleum equals on average 7 barrels of crude petroleum.
 1 flask mercury = 34.5 kilograms
 1 metric ton unit = 10 kilograms

Conversion of national currencies to pounds sterling has been made using the annual average factors shown for each country in *International Financial Statistics* published by the International Monetary Fund.

Symbols

...	figures not available
0	quantity less than half unit shown
—	nil
*	estimated
BGS	British Geological Survey
S.I.T.C.	Standard International Trade Classification

STATISTICAL TABLES

Production of Bauxite

tonnes

Country	1992	1993	1994	1995	1996
France	104 000	151 000	128 000	131 000	165 000
Greece	2 078 445	2 205 498	2 196 371	2 200 215	2 230 000
Italy	97 500	90 100	23 400	11 200	—
Albania	*4 000	*2 000	*2 000	*1 000	*1 000
Bosnia & Herzegovina	*200 000	*100 000	*75 000	*75 000	*75 000
Croatia	6 878	1 690	1 302	1 000	...
Hungary	1 721 100	1 561 300	835 700	1 014 600	1 043 600
Romania	176 100	186 600	184 100	175 000	175 200
Russia	4 578 000	4 260 000	3 633 000	*3 706 000	*3 928 000
Turkey	612 996	594 600	373 381	232 278	544 513
Yugoslavia, Federal Republic of	792 000	102 000	—	60 000	323 000
Ghana	338 200	423 700	426 100	513 000	473 200
Guinea	15 996 613	17 044 305	14 833 400	17 733 300	18 392 600
Mozambique	8 840	5 990	9 620	10 663	11 459
Sierra Leone	1 256 900	1 164 600	728 700	—	—
Jamaica	11 367 000	11 184 000	11 564 000	10 857 000	11 829 000
USA (b)	*45 000	*55 000	*100 000	*100 000	*100 000
Brazil (c)	10 116 045	10 635 035	9 970 174	11 616 402	12 258 000
Guyana	2 373 759	2 083 200	1 991 132	2 028 080	2 484 580
Suriname	3 251 935	3 156 080	3 803 103	3 578 700	3 695 470
Venezuela	1 116 930	2 530 317	4 772 877	5 183 827	5 600 000
China	6 660 900	6 468 200	6 621 300	8 255 500	8 878 800
India	4 898 300	5 276 800	4 809 100	5 240 000	5 757 500
Indonesia	803 507	1 320 418	1 342 402	899 035	841 976
Iran (a) (d)	169 350	296 815	*100 000	*100 000	*100 000
Kazakhstan	*1 732 000	*1 700 000	2 584 000	3 318 500	3 346 000
Malaysia	330 593	68 824	161 919	184 433	218 680
Pakistan	3 461	4 845	4 570	3 056	4 056
Australia	39 746 000	41 320 000	41 646 000	42 655 000	43 063 000
World total	110 600 000	114 000 000	112 900 000	119 900 000	125 500 000

(a) Years ended 20 March following that stated

(b) Dried bauxite equivalent

(c) Including beneficiated and direct shipping ore

(d) Alunite

Production of Aluminatonnes (Al₂O₃ content)

Country	1992	1993	1994	1995	1996
United Kingdom	120 000	120 000	110 000	108 000	100 000
France	365 000	362 000	338 400	425 300	352 300
Germany	856 972	840 038	823 638	750 044	755 333
Greece	611 600	614 870	548 000	597 620	601 000
Irish Republic	972 400	1 103 000	1 167 400	1 185 600	1 233 500
Italy	498 300	549 100	556 900	560 100	575 800
Spain	626 800	692 200	1 070 600	1 094 800	1 101 000
Azerbaijan	*240 000	*206 000	70 000	27 000	—
Bosnia & Herzegovina	*100 000	*50 000	*50 000	*50 000	*50 000
Czechoslovakia	*100 000	—	—	—	—
Hungary	545 000	421 000	184 000	229 000	208 000
Romania	280 000	293 174	301 576	322 774	258 535
Russia	2 718 000	*2 500 000	2 254 000	*2 300 000	2 105 000
Slovakia	—	*90 000	*90 000	*65 000	*65 000
Slovenia	*4 000	2 000	3 000	14 000	...
Turkey	156 474	169 195	155 300	171 978	159 298
Ukraine	1 229 000	1 236 000	1 081 000	1 198 000	1 161 000
Yugoslavia, Federal Republic of	197 000	12 000	—	35 312	186 354
Guinea	561 311	655 543	640 234	616 026	640 000
Canada	1 104 000	1 182 000	1 170 000	1 064 000	1 060 000
Jamaica	2 917 162	2 989 360	3 221 222	3 030 167	3 199 513
USA	*5 185 000	*5 290 000	*4 860 000	*4 533 000	*4 700 000
Brazil	1 833 000	1 853 200	1 867 500	2 142 900	2 759 000
Suriname	1 575 606	1 506 550	1 498 123	1 588 800	*1 600 000
Venezuela	1 282 163	1 500 064	1 551 450	1 641 000	*1 775 000
China	1 583 000	1 827 255	1 846 900	2 222 700	2 493 500
India	1 484 000	1 489 500	1 455 800	1 672 000	1 706 000
Japan	466 700	460 100	674 600	743 200	718 900
Kazakhstan	*1 053 000	*1 100 000	822 000	1 022 000	1 083 000
Australia	11 783 000	12 598 000	12 819 000	13 147 000	13 349 000
World total	40 400 000	41 700 000	41 200 000	42 600 000	44 000 000

Note(s):

(1) Where possible figures in this table show the alumina equivalent (Al₂O₃) of total hydrate produced, whether or not calcined

Production of Primary Aluminium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	244 163	239 099	231 223	237 899	239 963
Austria	32 866	—	—	—	—
France	423 000	432 000	387 500	364 500	380 100
Germany	626 491	551 933	504 956	575 200	576 500
Greece	150 850	146 800	144 300	144 430	130 900
Italy	160 700	155 600	175 600	177 800	184 400
Netherlands	(b) 227 328	231 800	219 400	215 600	227 000
Spain	359 000	355 900	338 100	361 882	361 828
Sweden	103 297	108 040	108 823	94 500	98 300
Azerbaijan	*24 000	*7 000	10 000	11 000	—
Czechoslovakia	32 670	—	—	—	—
Hungary	26 857	27 876	29 600	34 900	33 500
Iceland	89 478	94 480	99 294	100 101	102 096
Norway (a)	838 133	887 461	856 967	846 735	862 345
Poland	43 628	46 942	49 509	55 728	51 924
Romania	111 992	112 360	119 600	140 500	140 872
Russia	2 725 000	2 800 800	2 670 500	2 790 000	2 874 200
Slovakia	—	35 000	33 000	59 000	110 000
Slovenia	84 809	82 682	76 700	70 200	65 800
Switzerland	50 794	36 439	24 171	20 726	26 594
Turkey	58 581	58 501	59 700	61 513	62 100
Ukraine	105 000	104 000	102 000	95 100	90 700
Yugoslavia, Federal Republic of	66 947	25 778	6 850	16 991	37 436
Cameroon	82 500	86 500	86 100	79 300	82 300
Egypt (c)	177 838	178 477	188 464	180 300	179 774
Ghana	179 000	174 100	140 700	135 400	137 000
South Africa	172 795	175 867	172 700	195 300	617 000
Canada	1 971 843	2 308 867	2 254 683	2 171 992	2 283 212
Mexico	—	—	—	10 413	61 458
USA	4 042 000	3 695 000	3 299 000	3 375 100	3 577 200
Argentina	153 000	170 593	173 371	183 113	183 900
Brazil	1 193 300	1 172 000	1 184 600	1 188 100	1 197 400
Suriname	32 358	30 112	26 706	28 100	26 036
Venezuela	567 399	574 626	592 718	627 000	634 900
Bahrain	292 460	450 000	451 903	453 883	464 548
China	1 096 400	1 255 400	1 498 300	1 869 700	1 896 200
Dubai	244 600	242 300	246 900	248 100	250 500
India	496 300	466 400	472 000	536 500	530 600
Indonesia	188 772	205 526	221 900	228 100	232 300
Iran (d)	117 230	109 190	120 814	114 879	80 100
Japan	18 884	18 263	16 956	18 034	16 959
Korea, Republic of	*12 000	—	—	—	—
Tajikistan	*345 000	*253 000	236 500	237 000	198 000
Australia	1 245 000	1 388 000	1 318 000	1 297 000	1 371 000
New Zealand	241 600	269 500	268 000	273 300	284 500
World total	19 500 000	19 800 000	19 200 000	19 900 000	21 000 000

(a) May include some super purity aluminium

(b) Sales

(c) Years ended 30 June of that stated

(d) Years ended 20 March following that stated

Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Bauxite	9 764	(h) 16 407	(h) 23 174	(h) 39 975	(h) (i) 28 392
Alumina	12 762	...	...	...	...
Alumina hydrate	47 033	...	...	...	...
Unwrought	20 378	10 705	79 578	132 349	35 523
Unwrought alloys	114 782	118 750	142 002	178 840	169 757
Scrap	71 975	93 759	97 813	106 581	100 021
Austria					
Unwrought (a)	65 917	56 495	68 078	74 676	75 411
Scrap	37 819	43 532	38 895	31 550	42 049
Belgium-Luxembourg					
Bauxite	992	442	3 352	240	317
Alumina	740	714	5 314	3 436	3 105
Unwrought	3 288	3 269	5 619	5 059	1 210
Unwrought alloys	71 298	84 554	98 242	109 116	61 105
Scrap	85 801	102 231	120 351	106 312	112 141
Denmark					
Unwrought	767	576	238	57	89
Unwrought alloys	13 637	18 525	17 117	23 739	20 594
Scrap	25 192	26 353	31 212	36 403	32 107
Finland					
Unwrought (a)	24 532	33 135	28 092	29 500	29 900
France					
Bauxite	12 723	10 751	13 392	18 534	...
Alumina	82 452	95 211	128 904	170 358	...
Alumina hydrate	99 969	109 883	107 738	97 127	...
Unwrought	132 185	67 669	94 811	94 366	185 447
Unwrought alloys	86 971	177 688	117 169	109 903	45 217
Scrap	137 326	114 458	142 299	103 694	...
Germany					
Bauxite	39 818	34 097	29 164	30 232	26 552
Alumina	203 344	174 152	217 733	188 481	214 801
Alumina hydrate	251 338	246 006	322 482	344 761	325 010
Unwrought	54 552	38 712	47 273	52 307	18 859
Unwrought alloys	269 988	208 711	225 553	247 081	241 472
Scrap	367 743	317 008	382 685	458 092	414 210
Greece					
Bauxite	952 724	861 487	740 851	777 455	...
Alumina	333 644	240 695	290 431	344 875	...
Alumina hydrate	16 432	134 760	52 955	33 360	...
Unwrought (a)	69 813	72 851	52 975	49 311	44 500
Scrap	5 091	6 432	10 024	5 082	...
Irish Republic					
Alumina	938 189	923 197	1 213 876	1 197 651	1 346 339
Alumina hydrate	48 323	15 063	24 258	16 100	12 882
Unwrought (a)	1 056	1 941	3 855	5 864	5 101
Scrap	13 203	11 997	11 709	10 715	9 871
Italy					
Bauxite	38 430	23 430	4 304	2 798	...
Alumina	465 075	320 060	296 025	468 909	...
Alumina hydrate	12 292	8 167	15 631	14 835	...
Unwrought	3 361	5 205	1 702	2 595	5 267
Unwrought alloys	23 032	29 164	23 095	34 035	34 095
Scrap	11 858	10 730	11 782	11 402	...
Netherlands					
Bauxite	23 677	11 024	33 962	55 669	38 979
Alumina	99 145	93 026	84 237	482 921	116 849
Alumina hydrate	9 542	1 871	25 795	47 616	45 365
Unwrought	88 245	135 095	151 923	300 327	221 196
Unwrought alloys	247 767	263 370	318 465	342 881	262 576
Scrap	145 123	139 651	151 639	170 453	240 552
Portugal					
Scrap	8 878	9 287	...	...	9 771

Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Spain					
Bauxite	540	696	1 518	2 168	...
Alumina	234 641	211 821	278 592	219 463	...
Alumina hydrate	75 935	83 771	286 077	234 116	...
Unwrought	15 672	9 857	3 744	2 623	(a) 137 300
Unwrought alloys	123 495	159 360	142 302	111 852	...
Scrap	14 117	16 059	4 746	6 987	...
Sweden					
Alumina	2 427	3 031	4 076	287 255	457
Unwrought	5 778	5 787	9 053	1 605	993
Unwrought alloys	48 330	47 200	46 198	55 280	69 671
Scrap	27 135	27 343	36 470	44 211	53 979
Azerbaijan					
Unwrought (a) (f)	*2 200	*6 800	*2 000	...	...
Belarus					
Unwrought (a) (f)	*9 900	*12 000	*49 600	*50 700	...
Bulgaria					
Unwrought (a) (f)	*5 800	*8 300	*7 800	*10 800	...
Scrap (f)	*3 500	*1 000	*1 800	*600	...
Croatia					
Bauxite	341	1 105	2 934	4 917	1 916
Unwrought (a)	3 617	3 625	3 896	730	2 880
Czechoslovakia					
Unwrought (a) (f)	*30 100	—	—	—	—
Scrap (f)	*11 400	—	—	—	—
Czech Republic					
Unwrought (a)	—	(f) *26 000	27 597	21 400	...
Scrap (f)	—	*11 200	...	*5 900	...
Estonia					
Unwrought (a) (f)	*12 100	*6 000	*1 100	*4 400	...
Scrap (f)	*10 500	*7 300	*2 800	*12 300	...
Hungary					
Bauxite	226 476	278 004	—	—	—
Alumina	469 426	354 501	168 996	246 590	302 074
Unwrought (a)	41 827	27 886	32 369	48 617	20 416
Scrap	16 525	10 495	17 170	16 331	15 037
Iceland					
Unwrought (a)	90 497	91 801	100 567	99 657	101 117
Latvia					
Unwrought (a) (f)	*8 800	*27 400	*15 400	*5 700	...
Scrap (f)	*8 900	*4 700	*3 600	*9 100	...
Lithuania					
Unwrought (a)	(b) (f) *4 700	(b) (f) *18 100	(b) (f) *6 500	3 234	...
Macedonia					
Unwrought (a) (f)	*400	*5 400	*9 100	*5 600	...
Norway					
Unwrought	239 544	264 373	290 584	215 748	210 191
Unwrought alloys	563 181	523 949	575 781	594 825	665 488
Scrap	20 301	17 009	17 539	21 011	19 443
Poland					
Unwrought (a)	15 450	21 704	20 303	28 029	25 600
Scrap	16 783	9 641	2 398	1 370	...
Romania					
Alumina	7 836	2 029	1 485	13 402	8 826
Unwrought	93 654	75 075	99 568	94 100	105 345
Russia					
Alumina (f)	...	...	*40 100	*4 500	...
Unwrought (a)	1 190 003	2 146 582	2 301 000	2 250 000	2 616 000
Scrap (f)	...	*90 600	*93 800	*146 600	...
Slovakia					
Unwrought (a) (f)	—	...	*16 200	*30 200	...
Scrap (f)	—	*1 000	*800	*600	...
Slovenia					
Alumina	12 519	12 636	4 142	...	...
Unwrought	43 702	44 599	47 317	...	...

Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Switzerland					
Alumina	832	490	562	491	617
Unwrought (a)	13 971	5 671	7 600	7 462	8 473
Scrap	51 104	60 011	63 786	60 994	69 525
Turkey					
Bauxite	50 330	48 650	30 160	15 350	21 000
Alumina	41 641	51 301	38 442	43 503	36 986
Unwrought (a)	7 091	4 672	7 189	12 113	15 357
Scrap	16	108	7 554	5 849	6 245
Ukraine					
Unwrought (a)	(f) *17 800	(f) *50 500	80 307	53 407	...
Scrap	...	...	1 500	145	...
Yugoslavia, Federal Republic of					
Bauxite	850	...	...	...	...
Unwrought	24 332	*7 000	*7 600	*21 000	...
Unwrought alloys	8 130	*3 000	*3 000	*3 000	...
Scrap	151	...	...	...	...
Cameroon					
Unwrought (a)	67 200	68 400	63 200	58 800	65 000
Egypt					
Unwrought (a)	125 700	106 924	80 700	81 900	108 200
Ghana					
Bauxite	399 155	364 642	451 802	526 335	383 370
Unwrought (a)	154 200	112 100	153 900	111 300	120 900
Guinea					
Bauxite	12 314 507	13 702 340	12 571 000	13 654 000	14 103 770
Alumina	553 839	655 544	645 387	616 026	619 258
Mozambique					
Bauxite	8 913	5 990	9 709	10 663	...
Sierra Leone					
Bauxite	1 365 100	944 900	734 700	—	...
South Africa					
Unwrought (a)	98 766	85 993	56 900	90 000	541 100
Scrap (f)	*3 200	*1 900	*3 500	*6 700	...
Canada					
Alumina	94 998	97 178	96 600	91 483	118 214
Unwrought	856 177	1 093 209	949 820	911 512	921 079
Unwrought alloys	749 098	747 965	927 588	807 208	899 371
Scrap	197 415	199 168	236 634	237 355	241 926
Cuba					
Scrap (e)	419	—	844	1 198	1 348
Jamaica					
Bauxite	4 128 330	3 916 723	3 649 419	3 546 893	3 917 478
Alumina	2 951 068	2 950 270	3 349 033	3 061 646	3 270 982
Mexico					
Scrap	40 162	44 751	68 285	103 423	73 475
USA					
Bauxite	70 816	104 333	144 086	121 140	150 550
of which: Re-exports	7 846	14 205	14 854	11 103	11 247
Alumina	1 162 495	1 370 023	1 163 805	1 051 455	925 413
Alumina hydrate	48 355	53 355	68 206	64 452	68 831
Unwrought	469 594	262 974	178 828	185 692	217 371
Unwrought alloys	134 370	139 733	171 830	189 056	208 604
Scrap	298 231	213 838	309 830	431 291	326 197
Argentina					
Unwrought	38 804	60 313	50 683	78 837	...
Unwrought alloys	28 785	25 699	30 741	21 929	...
Brazil					
Bauxite	4 362 391	6 509 800	4 416 136	5 045 710	4 569 442
Alumina	149 415	196 379	299 834	258 596	*440 000
Unwrought	781 738	771 587	736 401	681 725	689 326
Unwrought alloys	34 799	28 043	41 439	21 284	19 647
Guyana					
Bauxite	2 192 328	2 050 024	1 996 492	1 971 063	2 100 568

Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Suriname					
Alumina	1 515 181	1 378 716	1 416 160	...	...
Unwrought	32 000	28 700	25 200	26 300	26 600
Venezuela					
Alumina	226 983	307 383	293 230	351 717	...
Unwrought	383 318	375 744	435 591	381 509	(a) 443 000
Unwrought alloys	104 476	39 610	37 669	26 215	...
Scrap	17 629	20 487	23 140	21 823	...
Bahrain					
Unwrought (a)	149 500	333 449	308 400	387 000	327 500
China					
Bauxite	864 363	520 265	378 340	449 543	201 126
Alumina	127 277	70 790	38 518	9 984	6 072
Alumina hydrate	21 405	29 486	61 855	43 606	39 958
Unwrought (a)	55 803	67 984	130 902	191 310	110 052
Scrap	14 962	11 711	17 601	17 549	6 162
Dubai					
Unwrought (a)	248 600	242 600	254 800	247 000	264 200
Hong Kong					
Bauxite (g)	3 915	1 010	261	326	1 540
Alumina (g)	24 316	32 003	26 463	12 251	6 160
Unwrought	71 783	68 630	83 948	234 053	286 897
of which: Re-exports	71 783	68 630	83 121	234 030	286 298
Unwrought alloys	8 129	15 362	22 360	19 286	29 379
Scrap	51 287	44 091	82 148	174 913	131 968
of which: Re-exports	17 888	13 684	35 939	109 190	84 020
India (c)					
Bauxite	247 238	232 423	97 210	149 968	...
Alumina	347 123	544 506	479 569	466 843	...
Unwrought (a)	102 441	64 487	66 907	41 297	...
Indonesia					
Bauxite	596 830	1 211 649	1 029 549	798 812	...
Unwrought (a)	147 311	132 348	143 552	187 986	180 300
Israel					
Unwrought (a) (f)	*2 900	*1 800	*2 100	*2 200	...
Scrap (f)	*6 400	*7 600	*7 900	*9 200	...
Japan					
Alumina	48 519	71 356	68 496	73 320	77 419
Alumina hydrate	147 994	130 624	128 261	161 148	157 624
Unwrought	1 948	1 542	2 155	3 154	1 812
Unwrought alloys	3 206	7 101	9 539	9 685	10 200
Scrap	5 359	6 248	9 729	13 016	12 273
Jordan					
Scrap	2 370	2 487	4 662	4 800	...
Kazakhstan					
Alumina	15 000	12 000	...	736 849	...
Unwrought (a) (f)	*3 000	*2 400	*3 000	*5 700	...
Korea, Dem. P.R. of					
Unwrought (a) (f)	*3 300	*3 400	*2 300	*3 000	...
Korea, Republic of					
Unwrought (a)	15 889	20 305	59 384	92 297	42 938
Malaysia					
Bauxite	198 200	77 900	150 125	134 846	...
Scrap	6 416	5 706	5 053	7 900	...
Saudi Arabia					
Scrap	23 085	...	12 763	...	...
Singapore					
Alumina	14 369	19 096	32 299	2 978	901
of which: Re-exports	14 325	19 070	32 158	2 859	887
Unwrought	57 385	77 691	90 139	119 956	139 363
of which: Re-exports	55 173	72 161	86 083	117 750	137 160
Scrap	20 806	25 121	49 259	29 797	33 852
Taiwan					
Alumina	167	823	1 079	889	...
Unwrought (a)	72 224	97 204	104 884	127 205	125 983
Scrap	7 907	7 133	14 790	24 165	...
Tajikistan					
Unwrought (a)	48 600	270 775	204 509	201 970	...

Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Australia					
Bauxite	*5 348 000	*4 800 000	*4 900 000	*5 000 000	*5 000 000
Alumina	9 604 000	9 753 000	10 601 000	10 727 000	10 756 000
Unwrought (a)	930 000	1 056 000	948 000	957 000	1 068 000
Scrap (d)	52 506	33 821	*65 000	*55 000	...
New Zealand (d)					
Unwrought (a)	249 667	223 698	239 687	236 687	250 909
Scrap	9 273	11 744	10 945	11 152	9 667

Note(s):

- (1) Except where alumina hydrate is separately specified, national trade figures for alumina can be considered as inclusive of hydrate
 - (2) In this table the term 'unwrought' aluminium corresponds to item 684.1 of the Standard International Trade Classification (Revision 3) and comprises ingots, blocks, unwrought bars, etc.
 - (3) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys
-
- (a) Including alloys
 - (b) Is likely to include re-exports
 - (c) Years ended 31 March following that stated
 - (d) Years ended 30 June of that stated
 - (e) Imports into the Netherlands
 - (f) BGS estimates, based on known imports into certain countries
 - (g) Re-exports
 - (h) Including alumina
 - (i) Excluding refractory grade bauxite

Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Bauxite	386 252	327 832	334 988	412 320	(e) 317 885
Alumina	513 295	404 327	416 560	435 065	522 592
Alumina hydrate	48 683	39 388	59 387	64 263	83 124
Unwrought	241 472	479 556	374 244	281 063	539 866
Unwrought alloys	126 397	115 708	100 141	106 343	111 501
Scrap	40 330	48 350	61 782	70 788	84 138
Austria					
Bauxite	40 540	43 421	38 057	43 000	...
Alumina	82 439	32 727	34 362	24 867	43 932
Alumina hydrate	6 667	7 025	5 949	5 225	5 069
Unwrought	96 694	96 783	216 976	76 220	95 343
Unwrought alloys	103 877	81 999	82 050	83 337	298 276
Scrap	52 210	45 305	54 275	80 406	81 446
Belgium-Luxembourg					
Bauxite	70 494	31 692	34 123	39 861	15 151
Alumina	9 871	10 077	10 696	10 833	9 856
Alumina hydrate	74 669	84 647	80 927	34 426	36 950
Unwrought	229 896	236 740	264 296	242 095	233 773
Unwrought alloys	116 966	74 148	104 067	122 113	117 722
Scrap	173 607	149 550	192 251	155 009	118 351
Denmark					
Bauxite	2 139	2 299	1 811	3 458	3 589
Alumina	554	493	585	557	708
Alumina hydrate	5 527	4 638	3 247	6 016	12 864
Unwrought	675	156	589	662	14
Unwrought alloys	27 615	21 048	28 958	34 734	33 580
Scrap	15 938	21 030	24 325	20 295	18 515
Finland					
Bauxite	6 982	6 243	7 495	8 269	...
Alumina	1 524	5 781	3 537	1 669	...
Alumina hydrate	28 059	30 814	39 603	29 507	...
Unwrought	15 445	16 834	22 321	11 776	(a) 33 000
Unwrought alloys	5 392	8 868	16 435	11 247	...
Scrap	55 318	55 664	60 333	43 074	...
France					
Bauxite	1 342 577	974 777	1 216 638	1 516 018	...
Alumina	578 636	605 774	558 350	474 112	...
Alumina hydrate	33 248	39 797	79 476	49 884	...
Unwrought	250 189	258 859	272 287	284 776	275 904
Unwrought alloys	268 270	150 460	172 541	187 076	162 999
Scrap	215 863	142 553	144 503	160 128	...
Germany					
Bauxite	2 616 678	2 243 062	2 275 916	2 011 489	1 354 738
Alumina	689 469	563 200	485 303	520 287	620 149
Alumina hydrate	74 813	62 769	134 698	300 092	309 106
Unwrought	795 465	517 910	741 826	705 619	564 377
Unwrought alloys	366 921	346 934	461 246	635 236	544 379
Scrap	204 621	181 768	218 969	249 206	259 670
Greece					
Bauxite	160	73 716	71	268	...
Alumina	2 223	2 488	2 665	428	...
Unwrought (a)	47 685	19 321	56 689	79 668	71 400
Scrap	962	22 790	1 903	3 302	...
Irish Republic					
Bauxite	1 984 334	2 184 776	2 369 136	2 720 864	2 882 167
Alumina	30 840	3 571	3 358	3 769	3 855
Unwrought (a)	7 598	10 693	10 236	5 362	7 270
Italy					
Bauxite	1 708 486	1 706 723	2 076 101	1 816 302	...
Alumina	153 655	88 462	92 295	169 452	...
Alumina hydrate	106 075	65 588	82 792	85 267	...
Unwrought	312 022	230 036	293 952	276 341	236 140
Unwrought alloys	217 196	206 203	284 800	298 136	248 757
Scrap	182 458	211 168	252 659	244 116	...

Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Netherlands					
Bauxite	124 534	151 078	112 425	164 210	81 771
Alumina	541 830	470 794	608 171	746 542	727 089
Alumina hydrate	69 163	58 843	93 899	123 197	87 336
Unwrought	140 195	264 842	395 834	547 874	347 845
Unwrought alloys	54 873	106 238	86 084	130 324	116 454
Scrap	134 476	124 726	254 300	213 318	187 604
Portugal					
Bauxite	324	2 555	1 526	2 000	1 941
Alumina	6 667	1 303	3 100	*3 900	5 324
Unwrought	15 033	6 616	(a) 67 797	(a) 73 000	9 335
Unwrought alloys	45 054	48 738	...	...	58 341
Spain					
Bauxite	1 812 749	1 586 305	2 007 139	2 252 329	...
Alumina	23 806	22 319	26 061	29 550	...
Alumina hydrate	14 605	18 111	28 022	18 333	...
Unwrought	43 477	68 307	106 820	78 681	(a) 127 600
Unwrought alloys	28 284	20 063	23 518	47 192	...
Scrap	16 949	23 922	34 370	37 628	...
Sweden					
Bauxite	50 741	54 145	44 808	327 613	46 890
Alumina	163 780	173 606	175 425	336 541	178 839
Alumina hydrate	50 928	57 245	57 318	...	...
Unwrought	26 429	31 145	102 606	36 624	44 818
Unwrought alloys	24 074	32 905	54 845	53 069	60 705
Scrap	4 619	5 944	8 682	7 823	6 167
Bulgaria					
Unwrought (a)	*5 800	*9 000	*10 300	*11 000	...
Croatia					
Bauxite	17 851	15 428	32 000	38 909	47 163
Alumina	1 004	1 074	1 900	2 662	2 815
Unwrought (a)	24 212	15 416	...	25 129	23 557
Scrap	3 867	2 077	1 300	535	1 344
Czechoslovakia					
Bauxite	200 000	—	—	—	—
Alumina (f)	*2 200	—	—	—	—
Unwrought (a)	50 000	—	—	—	—
Scrap (f)	*3 600	—	—	—	—
Czech Republic					
Alumina	—	10 700	14 214	15 700	...
Scrap	—	10 600	10 300	16 100	...
Hungary					
Bauxite	7 836	933	4 530	30 589	66 195
Unwrought (a)	100 030	95 285	130 669	134 309	142 687
Iceland					
Alumina	204 448	158 224	169 580	229 470	203 152
Norway					
Bauxite	32 392	25 614	39 545	32 747	22 549
Alumina	1 691 213	1 722 893	1 720 504	1 576 786	1 693 565
Alumina hydrate	32 009	28 060	30 214	35 638	37 136
Unwrought	81 901	70 590	147 605	104 380	122 265
Unwrought alloys	23 584	32 125	49 305	47 923	27 275
Scrap	38 893	35 666	68 505	60 576	63 038
Poland					
Bauxite	63 620	26 353	34 441	37 994	...
Alumina	48 212	86 225	108 811	138 198	...
Alumina hydrate	14 944	16 091	19 029	21 047	...
Unwrought (a)	26 612	42 547	38 258	45 141	49 529
Romania					
Bauxite	487 862	521 045	540 716	660 493	546 446
Alumina	9 428	12 747	2 304	15 526	100 626
Russia					
Bauxite	2 848 500	2 792 300	3 440 000	2 684 000	234 400
Alumina	*1 365 000	*1 470 000	*1 320 000	1 882 500	...
Unwrought	...	...	...	240	25 422
Slovakia					
Bauxite	—	287 990	191 000	180 000	...
Unwrought (a)	—	12 092	12 000	*11 600	...

Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Slovenia					
Bauxite	17 584	8 712	28 593	15 000	...
Alumina	166 206	189 747	140 833	145 100	...
Unwrought	16 930	21 214	27 204	25 200	...
Switzerland					
Bauxite	1 688	1 193	1 717	1 134	4
Alumina	107 945	73 151	59 658	55 731	69 092
Unwrought	61 456	63 520	105 402	102 184	87 994
Unwrought alloys	33 615	27 514	31 762	28 649	29 412
Scrap	4 339	4 053	6 646	8 359	11 434
Turkey					
Bauxite	34 864	48 296	65 475	28 723	34 837
Alumina	1 966	2 340	3 220	13 631	9 952
Unwrought	34 493	50 335	29 495	59 930	47 017
Unwrought alloys	47 326	70 552	38 007	41 646	53 979
Scrap	1 416	2 604	767	2 822	10 430
Ukraine					
Bauxite	...	...	(b) 2 180 540	1 557 830	...
Unwrought (a)	...	...	(b) 3 096	2 240	...
Yugoslavia, Federal Republic of					
Bauxite	2 196	...	...	...	...
Alumina	738	*700	*700	*700	...
Unwrought	2 009	(a) 4 200	(a) 6 100	(a) 6 500	(a) 1 300
Unwrought alloys	409	...	...	...	...
Algeria					
Alumina	2 000	...	...	...	...
Unwrought (a)	5 672	5 700	5 985	*6 000	...
Cameroon					
Alumina	165 000	*174 000	*170 000	*160 000	...
Ghana					
Alumina	287 400	*260 000	*240 000	*240 000	...
Kenya					
Alumina	*100	*200	*200	*100	...
Morocco					
Bauxite	10 898	2 306	9 937	18 000	...
Alumina	4 403	4 600	4 500	5 300	...
Unwrought (a)	2 143	2 844	2 460	3 300	...
Nigeria					
Unwrought (a)	3 500	*2 700	*2 200	*2 000	...
South Africa					
Bauxite	22 058	8 811	15 693	10 966	...
Alumina	288 737	330 890	314 278	606 335	...
Alumina hydrate	10 691	15 125	17 313	13 373	...
Scrap	1 942	1 367	1 549	2 259	...
Tunisia					
Bauxite	1 510	1 335	1 394	*2 000	...
Alumina	26 916	102	54	400	...
Alumina hydrate	6 982	31 800	32 377	31 100	...
Unwrought (a)	1 483	3 870	1 848	4 400	...
Canada					
Bauxite	2 799 415	2 860 528	2 929 411	2 623 621	2 574 206
Alumina	2 558 970	3 275 750	3 347 836	3 172 083	3 586 895
Unwrought	22 887	34 877	37 184	25 880	23 563
Unwrought alloys	62 583	74 203	104 392	108 017	115 973
Scrap	52 524	52 934	63 361	55 885	67 405
Costa Rica					
Unwrought (a)	6 235	7 206	6 620	7 891	...
Mexico					
Bauxite	37 242	36 334	18 950	41 768	...
Alumina	17 762	20 914	17 010	78 851	...
Alumina hydrate	46 152	45 025	48 223	57 260	...
Unwrought	45 173	84 370	59 310	31 432	34 200
Unwrought alloys	31 156	46 758	58 070	46 027	...
Scrap	16 179	14 821	20 907	20 415	...
Panama					
Unwrought (a)	1 281	1 645	1 694	1 627	...

Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
USA					
Bauxite, crude dried	11 111 732	11 638 115	10 400 000	10 000 000	9 930 000
Bauxite, calcined	346 000	237 000	349 000	482 000	352 000
Alumina	4 761 503	3 969 901	3 282 111	4 050 263	4 380 845
Unwrought	608 442	1 089 509	1 565 047	1 158 007	1 057 773
Unwrought alloys	553 071	755 998	931 889	800 039	869 164
Scrap	263 837	308 537	389 502	419 211	401 579
Argentina					
Bauxite	26 235	38 229	40 168	42 980	...
Alumina	248 171	293 426	330 666	367 947	...
Alumina hydrate	8 724	11 050	18 253	6 424	...
Brazil					
Bauxite	182 741	112	5 132	225	1 100
Alumina	728 543	851 259	683 503	444 301	90 300
Unwrought	180	3 860	1 985	9 958	4 983
Unwrought alloys	1 134	2 633	5 306	5 291	3 610
Scrap	1 154	770	975	2 431	2 610
Chile					
Bauxite	4 427	8 471	4 147	7 000	5 403
Unwrought	12 302	14 154	14 253	15 651	13 891
Colombia					
Bauxite	8 844	4 649	4 114	5 584	...
Alumina	7 050	6 438	8 610	6 471	...
Unwrought	17 450	16 972	16 682	18 208	...
Unwrought alloys	13 792	13 038	18 620	16 127	...
Ecuador					
Unwrought (a)	2 193	4 766	8 106	9 513	...
Peru					
Bauxite	1 120	3 930	4 211	3 025	...
Alumina	1 425	1 885	1 690	2 933	...
Unwrought (a)	3 229	3 543	4 793	4 555	...
Uruguay					
Bauxite	4 106	2 800	1 124	4 048	...
Alumina	1 545	1 506	1 543	1 540	...
Unwrought	1 884	2 101	2 076	2 152	...
Venezuela					
Bauxite	1 460 760	1 657 613	26 883	232 928	...
Alumina	4 998	5 283	8 990	9 090	...
Alumina hydrate	1 456	570	390	378	...
Unwrought (a)	2 744	3 241	484	571	...
Abu Dhabi					
Scrap	11 375	7 979	10 019	5 380	4 947
Bahrain					
Alumina	538 000	943 653	*910 000	*920 000	...
China					
Bauxite	54 085	95 998	106 385	92 265	213 090
Alumina	800 697	972 328	1 909 584	1 193 967	1 155 545
Unwrought (a)	229 626	165 640	168 853	387 925	366 733
Scrap	44 578	61 307	109 336	357 198	299 914
Dubai					
Alumina	419 282	484 800	*490 000	*480 000	...
Hong Kong					
Bauxite	6 658	1 626	160	240	10 282
Alumina	25 479	34 604	33 382	23 341	9 882
Unwrought	108 419	105 582	122 841	338 619	434 806
Unwrought alloys	17 354	23 517	25 072	23 435	30 804
Scrap	24 977	24 507	73 033	202 480	138 277
India (c)					
Alumina	4 663	3 772	8 453	11 756	...
Unwrought (a)	3 748	43 823	78 903	92 460	*116 000
Scrap	1 849	22 063	20 482	23 332	...
Indonesia					
Alumina	291 763	377 018	362 408	437 127	...
Alumina hydrate	85 345	77 919	74 678	69 786	...
Unwrought	28 535	36 416	62 546	96 261	...
Unwrought alloys	19 724	31 354	38 072	42 120	...

Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
Iran					
Alumina	45 000	43 000	...	...	...
Unwrought (g)	43 244	15 576	*10 000	*10 000	...
Israel					
Alumina (f)	*2 500	*1 300	*700	*300	...
Unwrought (a)	22 704	29 330	41 268	*40 000	...
Japan					
Bauxite	1 820 974	1 852 019	1 856 447	1 939 656	2 080 086
Alumina	20 182	30 279	42 117	31 571	39 380
Alumina hydrate	63 123	97 568	73 718	82 811	74 310
Unwrought	1 892 543	1 926 429	1 984 596	2 046 422	2 066 178
Unwrought alloys	648 570	677 923	654 810	756 359	692 675
Scrap	243 004	206 448	217 252	175 997	149 442
Jordan					
Alumina	23 620	12 913	12 118	...	...
Unwrought (a)	2 997	6 886	7 087	6 200	...
Korea, Dem. P.R. of					
Alumina (f)	*37 800	*60 100	...	*9 400	...
Unwrought (a) (f)	*7 300	*4 100	*2 700	*2 600	...
Korea, Republic of					
Bauxite	42 908	58 058	63 312	124 384	181 352
Alumina	19 790	41 894	48 576	51 964	70 004
Alumina hydrate	137 142	335 765	177 451	173 975	138 967
Unwrought	297 813	418 456	503 432	610 691	551 730
Unwrought alloys	127 665	162 887	185 893	172 731	168 149
Scrap	53 957	32 306	35 490	52 362	66 575
Malaysia					
Alumina	19 240	19 665	32 394	...	...
Unwrought	32 449	37 505	43 258	140 500	...
Unwrought alloys	43 509	51 113	62 263	61 700	...
Scrap	2 727	4 145	25 807	39 300	...
Pakistan (d)					
Alumina	4 276	3 443	5 113	...	...
Unwrought (a)	12 286	14 131	11 599	...	...
Scrap	58 272	78 099	77 144	...	...
Philippines					
Bauxite	9 479	2 356	739	568	...
Alumina	6 897	8 661	6 748	6 960	...
Unwrought (a)	26 067	23 037	30 615	33 591	...
Saudi Arabia					
Bauxite	71 772	117 655	111 477	*115 000	...
Unwrought (a)	59 909	6 036	50 405	...	...
Singapore					
Alumina	1 718	2 030	1 952	1 852	3 157
Alumina hydrate	85 957	60 557	45 879	67 903	38 052
Unwrought	86 093	110 042	120 453	198 713	99 334
Scrap	2 892	3 221	2 961	2 583	2 618
Taiwan					
Bauxite	48 092	48 599	61 832	83 727	...
Alumina	28 475	44 414	43 294	34 411	...
Alumina hydrate	38 683	32 073	41 159	45 648	...
Unwrought	203 991	231 111	291 623	339 043	301 135
Unwrought alloys	132 350	164 458	167 845	148 859	135 169
Scrap	110 110	113 868	168 744	137 859	...
Thailand					
Bauxite	32 929	37 168	30 029	51 044	...
Alumina	8 517	7 513	8 769	10 682	...
Alumina hydrate	18 087	27 852	31 046	41 169	...
Unwrought	81 403	96 288	91 507	128 759	(a) 220 800
Unwrought alloys	67 103	85 336	93 040	125 399	...
Scrap	869	2 619	1 190	1 491	...
Australia					
Bauxite	29 000	21 000	12 000	17 000	6 000
Unwrought (a)	5 000	4 700	2 000	8 000	13 000
Scrap (d)	2 901	6 549	...	...	...

Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1992	1993	1994	1995	1996
New Zealand (d)					
Bauxite	2 328	3 159	2 561	2 208	...
Alumina	567 235	444 586	506 587	533 648	...
Unwrought (a)	1 790	2 888	5 064	12 291	*12 000
Scrap	3 973	2 234	2 835	1 995	...

Note(s):

- (1) Except where alumina hydrate is separately specified, national trade figures for alumina can be considered as inclusive of hydrate
- (2) In this table the term 'unwrought' aluminium corresponds to item 684.1 of the Standard International Trade Classification (Revision 3) and comprises ingots, blocks, unwrought bars, etc.
- (3) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

- (a) Including alloys
- (b) Excludes intra-CIS trade
- (c) Years ended 31 March following that stated
- (d) Years ended 30 June of that stated
- (e) Excluding refractory grade bauxite
- (f) BGS estimates, based on known exports from certain countries
- (g) Years ended 20 March following that stated

Mine Production of Antimony

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Czechoslovakia	240	—	—	—	—
Romania	*400	—	—	—	—
Russia	*10 000	*8 000	*6 000	*6 000	*6 000
Slovakia	—	*250	400	400	—
Turkey	278	111	75	42	35
Morocco	184	168	—	—	—
South Africa	3 951	4 111	4 534	5 537	5 137
Zimbabwe	137	51	35	20	...
Canada	948	673	643	684	1 716
Guatemala	323	90	219	384	880
Mexico	1 064	1 494	1 758	1 783	983
USA	*500	*500	*500	*500	*500
Bolivia	6 022	5 556	7 050	6 426	6 488
Peru (a)	339	219	385	230	305
China	59 400	60 000	67 052	69 835	132 000
Kyrgyzstan	*3 000	*2 500	2 000	1 500	1 200
Tajikistan	*1 500	*1 200	1 000	*1 000	*500
Thailand	348	800	700	300	75
Australia (b)	1 701	1 700	1 700	*900	1 300
World total	90 300	87 400	94 100	95 500	157 100

Note(s):

- (1) This table includes antimony content of antimonial lead alloys
(2) In addition to the countries listed, Afghanistan, Hungary and Iran are believed to produce antimony

(a) Including Sb content of antimonial lead plus Sb content of ores for export

(b) Including Sb content of lead and zinc concentrates

Exports of Antimony

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	305	135	79	116	162
Oxide (a)	*5 400	*5 600	*5 500	*4 700	...
Belgium-Luxembourg					
Oxide (a)	*3 500	*3 100	*3 400	*3 200	...
France					
Metal	97	277	288	709	...
Oxide	4 363	5 105	6 183	4 199	...
Germany					
Metal	53	72	90	58	84
Oxide	725	843	1 024	1 044	791
Italy					
Metal	19	7	6	73	...
Oxide	63	211	399	...	...
Netherlands					
Metal	—	183	312	424	303
Oxide	389	1 332	1 067	1 252	...
Spain					
Metal	—	459	131	36	...
Oxide	341	491	962	906	...
Sweden					
Ores & concentrates	75	712	2 902	...	...
Russia					
Metal (a)	*2 300	*2 600	*900	*600	...
Oxide (a)	*200	*200	*200	...	...
Turkey					
Metal	10	—	117	146	4
South Africa					
Ore (c)	90	0	60	...	...
Oxide (a)	*2 100	*3 400	*3 600	*3 400	...
Canada					
Ores & concentrates	893	1 497	1 307	1 547	1 205
Mexico					
Ores & concentrates	656	186	182	224	...
Metal	275	4 423	1 532	1 934	...
Oxide	...	3 226	3 306	2 160	...
USA					
Ores & concentrates	48	1 456	2 546	2 834	2 350
Metal	1 052	365	1 543	1 715	583
Oxide	5 798	4 714	8 385	7 721	4 832
Bolivia					
Ore	2 224	1 422	5 565	3 068	1 859
Metal	*300	*450	625	374	135
Oxide	*6 000	5 439	6 283	5 609	5 504
Peru					
Metal	41	151	96	222	...
China					
Ores & concentrates	4 518	2 652	420	1 917	2 257
Metal	33 322	36 249	53 862	40 909	34 539
Oxide	16 905	17 367	17 731	20 668	20 040
Sulphide	...	2 518	13 229	6 101	6 769
Hong Kong					
Metal (b)	19 046	24 930	14 454	14 103	17 856
India					
Metal (e)	—	0	102	158	...
Japan					
Oxide	1 619	1 692	1 561	2 123	2 016
Kyrgyzstan					
Metal (a)	...	...	*3 000	*3 400	...
Oxide (a)	...	...	*200	*400	...
Thailand					
Ore	84	42	—	—	...
Metal	1 470	1 408	3 035	934	...

Exports of Antimony

tonnes

Country	1992	1993	1994	1995	1996
Australia					
Ores & concentrates (d)	3 028	2 872	...	...	...

- (a) BGS estimates, based on known imports into certain countries
- (b) Re-exports
- (c) Sb content
- (d) Years ended 30 June of that stated
- (e) Years ended 31 March following that stated

Imports of Antimony

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ore (b)	*200	*150	...	...	...
Metal	3 193	2 441	4 302	3 358	2 172
Oxide	1 897	1 637	1 734	1 764	1 489
Austria					
Metal	101	138	185	227	93
Oxide	220	195	237	148	202
Belgium-Luxembourg					
Ore	486	515	1 268	2 631	...
Metal	3 479	3 785	4 603	4 663	4 824
Oxide	956	797	1 189	687	...
Denmark					
Oxide	56	60	54	32	36
Finland					
Oxide	150	173	183	215	...
France					
Ore	2 631	19 025	8 663	1 619	...
Metal	4 494	7 517	11 194	6 446	...
Oxide	953	729	890	821	...
Germany					
Metal	1 286	804	1 151	1 154	568
Oxide	5 657	4 955	6 182	5 428	5 352
Italy					
Metal	1 308	1 105	1 196	1 170	...
Oxide	3 069	2 917	3 967	...	...
Netherlands					
Metal	31	578	360	860	818
Oxide	1 405	2 497	2 023	2 696	...
Portugal					
Metal	193	52	...	...	17
Spain					
Metal	924	1 058	1 528	1 940	...
Oxide	602	438	618	382	...
Sweden					
Metal	97	75	234	...	19
Oxide	446	426	424	...	...
Bulgaria					
Metal (b)	...	*100	*600	...	...
Norway					
Metal	13	9	21	10	1
Oxide	175	195	213	175	152
Poland					
Metal	193	339	285	267	...
Oxide (b)	...	*100	*750	...	...
Romania					
Metal (b)	...	*400	*2 700	*700	...
Russia					
Metal (b)	*1 000	*10 400	*25 300	*11 000	...
Switzerland					
Ores & concentrates	1	—	14	10 820	3 092
Metal	86	16	7	29	35
Oxide	534	622	743	536	414
Ukraine					
Metal (b)	...	...	*280	*800	*1 100
Yugoslavia, Federal Republic of					
Metal	16	...	...	...	...
South Africa					
Metal	246	282	608	292	...
Tunisia					
Metal	110	...	66	...	...
Canada					
Metal	149	209	354	424	381
Oxide	1 106	1 490	1 752	1 728	1 952

Imports of Antimony

tonnes

Country	1992	1993	1994	1995	1996
Mexico					
Ores & concentrates	...	1 816	2 253	1 991	...
Metal	485	559	1 034	218	...
Oxide	...	681	1 291	2 711	...
USA					
Ore	3 029	1 720	7 616	6 136	1 630
Metal	15 100	14 364	18 619	17 015	18 293
Oxide	17 085	19 322	21 364	18 568	22 098
Brazil					
Ores & concentrates	...	422	452	461	...
Metal	481	657	470	573	...
Oxide	...	264	624	530	...
Sulphide	...	54	35	39	...
Colombia					
Metal	157	117	30	80	...
Venezuela					
Metal	85	49	22	19	...
China					
Ores & concentrates	—	1 986	4 382	7 840	7 691
Metal	2 667	2 686	3 314	3 699	3 020
Hong Kong					
Metal	21 278	23 446	13 819	...	15 088
India (a)					
Metal	682	1 244	1 325	1 020	...
Oxide	54	85	101	133	...
Indonesia					
Metal	298	363	324	304	...
Oxide	188	216	235	371	...
Japan					
Ores & concentrates	5 270	4 496	3 312	4 135	2 593
Metal	5 707	5 059	6 639	6 799	6 796
Oxide	8 623	9 490	10 258	10 875	10 276
Sulphide	274	251	378	472	310
Korea, Republic of					
Metal	4 756	5 507	8 512	9 181	8 783
Oxide	690	711	1 015	529	1 053
Malaysia					
Metal	294	490	498	...	...
Pakistan (c)					
Metal	67	55	60	...	...
Taiwan					
Metal	1 866	1 957	2 469	3 094	...
Oxide	2 069	2 254	2 491	3 118	...
Thailand					
Ores & concentrates	2 238	1 897	896	179	...
Oxide	4 337	430	348	486	...
Australia					
Metal (c)	284	232	...	...	...
Oxide (c)	363	415	...	...	...

(a) Years ended 31 March following that stated

(b) BGS estimates, based on known exports from certain countries

(c) Years ended 30 June of that stated

Production of White Arsenic

tonnes

Country	1992	1993	1994	1995	1996
Belgium	*2 000	*2 000	*2 000	*2 000	*2 000
Germany	*300	*300	*300	*250	*250
Portugal	133	—	—	...	...
Georgia	*1 500	*1 000	*500	*400	*400
Russia	*2 500	*2 000	*1 500	*1 500	*1 500
Ghana (d)	*500	*500	*500	*500	*500
Namibia (a)	2 300	2 290	2 775	1 661	1 302
Canada	*250	*250	*250	*250	*250
Mexico (b)	5 667	5 870	5 861	4 776	3 885
Bolivia	633	663	341	362	255
Chile (c)	6 016	6 242	3 940	2 977	9 368
Peru	607	391	354	274	320
China	*15 000	*14 000	*18 000	*21 000	*15 000
Japan	*50	*40	*40	*40	*40
Kazakhstan	*2 000	*2 000	*1 500	*1 500	*1 500
Philippines	*5 000	*2 000	*2 000	*2 000	*2 000

Note(s):

- (1) This table includes calculated trioxide equivalent of arsenic metal produced except where this would involve double counting
- (2) In addition to the countries listed, Argentina, Austria, former Czechoslovakia, Finland, Hungary, Spain, United Kingdom and former Yugoslavia are believed to produce arsenic

(a) Output of Tsumeb Corp. only, trioxide equivalent of reported black arsenic

(b) Including trioxide equivalent of black arsenic

(c) Exports

By product of gold ore processing. Excludes significant quantities of non-commercial grade material.

Exports of Arsenic

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metallic arsenic	112	10	11	12	5
Belgium-Luxembourg					
Metallic arsenic	96	22	1	—	—
France					
Metallic arsenic	1 375	3 486	1 736	142	...
Germany					
Metallic arsenic	9	14	—	19	19
Italy					
Metallic arsenic	11	5	1	...	...
Netherlands					
Metallic arsenic	25	41	34	41	...
Namibia					
White arsenic	2 419	2 474	2 246	2 133	1 550
USA					
Metallic arsenic	106	367	107	482	81
Bolivia					
White arsenic	633	663	341	362	255
Chile					
White arsenic	6 016	6 242	3 940	2 977	9 368
China					
White arsenic (a)	*13 400	*12 500	*15 400	*16 000	...
Metallic arsenic	1 760	1 882	3 466	2 262	1 368
Korea, Republic of					
White arsenic	136	128	97	34	—

Note(s):

(1) This table does not purport to be comprehensive: data relating to arsenic are not fully recorded by many countries

(a) BGS estimates, based on known imports into certain countries

Imports of Arsenic

Country	1992	1993	1994	1995	1996
United Kingdom					
Metallic arsenic	89	268	120	62	83
Austria					
Metallic arsenic	22	14	21	20	18
Belgium-Luxembourg					
Metallic arsenic	95	97	90	...	...
France					
Metallic arsenic	374	85	94	259	...
Germany					
Metallic arsenic	92	...	8	—	42
Italy					
Metallic arsenic	129	166	82	...	...
Netherlands					
Metallic arsenic	—	58	75	93	...
Spain					
Metallic arsenic	100	58	104	124	...
Sweden					
Metallic arsenic	11	21	14	...	...
Norway					
Metallic arsenic	24	24	20	553	36
Poland					
Metallic arsenic	9	62	42	70	...
Turkey					
White arsenic	...	51	21	52	79
USA					
White arsenic	30 672	27 514	26 791	29 037	27 969
Metallic arsenic	717	781	1 349	576	252
Brazil					
White arsenic	...	382	559	472	...
India (b)					
White arsenic	690	220	897	917	...
Metallic arsenic	257	503	403	192	...
Indonesia					
White arsenic	139	140	134	140	...
Japan					
Metallic arsenic	12	40	28	35	0
Taiwan					
White arsenic	411	607	278	0	...
Thailand					
Metallic arsenic	26	38	2	34	...
Australia					
White arsenic (a)	1 066	1 062	...	...	...
New Zealand (a)					
Metallic arsenic	9	8	29	28	...

Note(s):

(1) This table does not purport to be comprehensive: data relating to arsenic are not fully recorded by many countries

(a) Years ended 30 June of that stated

(b) Years ended 31 March following that stated

Production of Asbestos

tonnes

Country	1992	1993	1994	1995	1996
Greece	28 592	56 948	55 502	75 003	78 000
Bosnia & Herzegovina	*500	*500	*300	—	—
Bulgaria	500	*500	*500	*500	*500
Russia	*1 500 000	866 677	*800 000	*800 000	*720 000
Yugoslavia, Federal Republic of	1 175	314	498	3 772	1 179
Egypt (b)	375	603	514	392	552
South Africa					
Amosite	5 132	—	—	—	—
Crocidolite	24 476	11 614	6 273	7 396	...
Chrysotile	103 660	92 380	88 511	81 246	(d) 57 942
Swaziland					
Chrysotile	32 301	28 360	26 720	28 574	26 014
Zimbabwe					
Chrysotile	150 158	156 881	151 905	169 487	165 509
Canada					
Chrysotile	590 641	516 618	523 545	524 392	483 000
USA (a)	15 573	13 704	10 100	9 290	9 550
Argentina	215	309	319	251	*280
Brazil	172 448	186 662	192 050	210 352	213 210
Colombia (c)	170 221	*150 000	128 800	...	...
China	229 600	307 000	407 100	447 000	440 500
India					
Amphibole	43 683	44 080	29 842	24 984	*30 000
Iran	*4 300	*4 500	*4 500	*4 500	*4 500
Japan					
Chrysotile	4 281	2 636	2 306	2 399	2 269
Kazakhstan	*400 000	*225 000	139 806	160 829	128 700
Korea, Republic of	2 308	—	—	—	—
World total	3 500 000	2 700 000	2 600 000	2 700 000	2 500 000

Note(s):

(1) In addition to the countries listed, Democratic P.R. of Korea and Romania are believed to produce asbestos

(a) Sold or used by producers

(b) Years ended 30 June of that stated

(c) Crude

(d) Including crocidolite

Exports of Unmanufactured Asbestos

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	118	29	36	14	967
Austria	35	320	—	—	—
Belgium-Luxembourg	57	1 290	136	94	11
France	535	17	83	224	...
Germany	523	140	3	—	—
Greece	22 554	47 309	58 156	67 991	...
Italy	1 686	156	8	22	...
Spain	187	4	...	142	...
Lithuania	(a) *2 900	...	(a) *3 600	5 173	...
Poland	2 960	1 996	529	948	...
Russia	87 299	74 926	80 300	76 800	...
South Africa	131 109	110 080	92 099	87 976	58 779
Zimbabwe	128 811	105 407	129 289	174 558	...
Canada	600 577	510 386	529 897	509 575	911 939
USA	25 463	27 356	19 558	16 556	24 231
Brazil	67 428	76 062	75 631	71 747	78 294
China	2 303	3 049	3 402	3 465	9 392
India (b)	100	216	1 215	14	...
Japan	116	142	108	74	133
Kazakhstan (a)	*9 200	*4 700	*9 700	*11 300	...
Kyrgyzstan (a)	...	*500	*1 700	*2 900	...
Saudi Arabia	5 092	4 000	4 515	...	...
Singapore	387	405	10	125	33
of which: Re-exports	365	404	6	102	22

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 31 March following that stated

Imports of Unmanufactured Asbestos

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	10 269	9 681	11 467	10 157	7 099
Austria	3 836	751	0	0	25
Belgium-Luxembourg	13 364	9 575	13 359	10 462	5 715
Denmark	671	544	450	345	225
France	35 860	34 599	34 869	48 205	...
Germany	2 717	708	163	98	119
Greece	4 895	552	215	272	...
Irish Republic	3 841	4 463	...	6 355	4 638
Italy	36 205	17 036	61	126	...
Netherlands	2 663	385	—	—	...
Portugal	11 278	7 426	7 009	9 163	6 442
Spain	25 428	23 352	32 593	26 852	...
Sweden	462	298	315	298	158
Croatia	4 002	3 783	...	3 045	2 363
Hungary	6 777	5 264	5 995	3 356	5 249
Poland	34 663	22 273	33 473	31 315	...
Romania	6	20 753	18 799	27 425	39 130
Slovakia	—	1 898	2 600	*2 600	...
Slovenia	5 489	4 984	7 700	4 900	...
Switzerland	645	386	75	—	—
Turkey	25 072	21 622	19 143	25 471	26 863
Yugoslavia, Federal Republic of	1 454	(d) *3 500	(d) *2 800	...	...
Algeria	12 247	12 200	15 600	*10 000	...
Burundi	279	...	...	...	...
Egypt	13 435	5 899	6 995	7 600	...
Morocco	5 310	4 800	4 751	5 000	...
Senegal	527	300	*300	*300	...
South Africa	9 699	8 984	9 734	7 891	...
Tunisia	8 925	8 779	6 490	7 300	...
Zambia	*3 000	*3 000	*3 000	*3 000	...
Canada	1 230	854	960	297	353
Cuba (d)	...	...	...	*3 000	...
El Salvador	3 541	268	1 297	1 000	...
Mexico	32 849	25 499	35 254	19 154	...
Panama	700	491	1 268	844	...
USA	31 602	30 840	25 800	21 941	30 449
Argentina	7 988	9 049	7 879	5 788	...
Bolivia	1 570	1 526	1 008	1 575	...
Brazil	15 837	34 590	32 805	43 524	...
Chile	13 364	10 406	10 151	11 666	9 349
Colombia	19 771	26 811	17 749	19 925	...
Ecuador	648	542	744	805	...
Peru	1 831	2 701	3 537	4 947	...
Uruguay	905	1 499	1 075	903	...
Venezuela	978	3 035	1 881	5 012	...
China	5 067	27 998	48 255	68 300	77 959
India (c)	49 999	73 861	85 536	91 909	...
Indonesia	30 604	39 124	43 610	50 231	...
Iran (a)	39 588	46 321	28 889	...	...
Israel	3 867	2 715	1 780	*2 200	...
Japan	242 279	209 846	199 836	191 475	177 869
Korea, Republic of	95 476	82 854	83 276	88 722	77 145
Kuwait	*500	*1 000	*1 300	*1 300	...
Malaysia	25 964	21 220	22 029	28 200	...
Pakistan (b)	6 723	6 885	8 216	...	...
Philippines	1 956	2 108	2 807	2 904	...
Saudi Arabia	2 293	3 618	1 687	...	...
Singapore	1 525	1 356	577	475	429
Sri Lanka	6 498	7 116	35 570	35	...
Syria	3 997	2 429	...	1 222	...
Taiwan	10 075	5 003	5 517	5 582	...
Thailand	128 126	148 164	163 927	181 692	...

Imports of Unmanufactured Asbestos

tonnes

Country	1992	1993	1994	1995	1996
Australia (b)	1 533	2 198	...	...	...

- (a) Years ended 20 March following that stated
- (b) Years ended 30 June of that stated
- (c) Years ended 31 March following that stated
- (d) BGS estimates, based on known exports from certain countries

Production of Barytes

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	76 723	*55 000	*54 000	*85 000	*102 000
Belgium	*30 000	*30 000	*30 000	*30 000	*30 000
France	96 000	67 200	72 100	75 400	81 200
Germany	154 873	147 614	145 223	122 268	121 476
Greece	812	988	701	668	*700
Irish Republic	70 600	53 000	—	—	—
Italy	80 709	52 697	57 856	85 661	80 463
Spain	6 194	17 656	28 037	28 600	*28 000
Bosnia & Herzegovina	*3 000	*2 000	*1 000	*1 000	*500
Bulgaria	*150 000	*140 000	...	...	120 000
Croatia	*1 500	*1 500	*1 000	*1 000	*500
Czechoslovakia	31 313	—	—	—	—
Georgia	*40 000	*30 000	*20 000	*20 000	*20 000
Poland	10 900	8 500	9 100	6 100	6 200
Romania	118 100	*115 000	104 700	*18 169	12 541
Slovakia	—	*30 000	*45 700	41 600	44 930
Turkey	264 300	118 367	57 429	100 751	146 544
Algeria	51 159	47 232	33 000	30 000	31 348
Egypt	7 841	1 125	419	2	48
Morocco	401 599	349 613	229 587	289 541	287 513
South Africa	3 570	2 000	1 945	6 048	8 107
Tunisia	29 000	15 100	15 400	10 825	15 360
Canada	37 000	39 000	61 000	67 000	57 000
Guatemala	328	4 742	3 590	570	2 776
Mexico	443 782	135 891	86 605	248 367	470 028
USA (b)	326 000	315 000	583 000	543 000	662 000
Argentina	10 015	14 761	27 952	27 043	24 200
Bolivia	368	—	3 307	10 845	4 745
Brazil (d)	54 490	32 068	31 499	30 750	*32 000
Chile	2 514	2 035	3 670	3 080	*3 000
Colombia	9 380	4 840	*7 000	...	...
Peru (e)	26 857	14 747	38 934	34 987	*35 000
Afghanistan (c)	*2 000	*2 000	*2 000	*2 000	*2 000
China	*1 100 000	948 000	*1 300 000	*1 300 000	1 950 000
India	*458 000	597 676	483 791	*420 704	*500 000
Iran (c)	181 174	226 379	225 000	139 202	161 401
Japan	15 119	11 532	—	—	—
Kazakhstan	*300 000	*300 000	*300 000	286 000	285 000
Malaysia	10 525	11 551	17 144	16 966	17 458
Myanmar (a)	15 089	15 783	29 337	30 641	17 113
Pakistan	32 432	26 336	20 320	15 360	18 582
Philippines	*500	*500	*500	*500	*500
Thailand	46 328	42 385	53 248	58 807	100 250
Australia	*11 000	*11 000	*11 000	*11 000	*11 000
World total	4 700 000	4 000 000	4 300 000	4 300 000	5 500 000

Note(s):

- (1) This table may include small quantities of witherite
(2) In addition to the countries listed, Cuba is believed to produce barytes

- (a) Years ended 31 March following that stated
(b) Sold or used by producers
(c) Years ended 20 March following that stated
(d) Including beneficiated and directly shipped material
(e) Exports

Exports of Barytes

Country	1992	1993	1994	1995	1996
United Kingdom	5 570	13 459	10 025	9 237	5 494
Belgium-Luxembourg	43 083	22 518	36 073	45 101	34 701
Germany	31 999	16 080	17 936	15 256	17 470
Irish Republic	54 805	35 013	28 468	—	—
Italy	4 070	2 121	1 943	1 422	...
Netherlands	78 364	52 908	78 532	74 571	59 982
Spain	4 338	7 468	14 030	29 392	...
Bulgaria (d)	...	...	*8 700	*52 600	...
Norway	3 992	3 274	308	1 811	6 945
Turkey	42 054	50 873	63 508	103 176	121 124
Morocco	334 172	306 600	277 610	269 700	271 873
Tunisia	24 057	12 200	11 840	5 800	...
Canada	17 253	11 058	13 063	12 267	15 391
Mexico	19 898	68 264	89 803	129 536	...
USA	12 566	18 928	20 731	15 919	31 547
Bolivia	368	—	3 307	10 845	4 745
Peru	26 857	14 747	38 934	34 987	...
Venezuela	4 743	6 276	9 678	1 647	...
China	626 016	843 486	1 166 311	1 197 597	1 860 388
Hong Kong (c)	3 232	4 412	3 585	4 288	1 942
India (a)	38 129	50 337	244 642	751 486	...
Indonesia	7 345	4 907	1 580	1 847	...
Singapore	12 008	6 214	11 076	16 054	10 936
of which: Re-exports	9 381	3 094	5 851	10 815	6 413
Thailand	39 103	37 661	38 610	47 085	...
Australia (b)	1 324	184	*5 000	*2 000	...

Note(s):

(1) Trade in barytes is reported under item 278.92 of the Standard International Trade Classification (Revision 3) and is described as 'barytes and witherite'. However, only small quantities of witherite are traded

(a) Years ended 31 March following that stated

(b) Years ended 30 June of that stated

(c) Re-exports

(d) BGS estimates, based on known imports into certain countries

Imports of Barytes

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	169 319	158 783	132 099	110 700	84 937
Austria	4 746	2 048	3 255	1 451	2 992
Belgium-Luxembourg	13 025	13 659	10 821	14 075	13 533
Denmark	26 773	5 196	1 145	1 553	5 023
Finland	1 667	1 363	1 469	1 748	...
France	18 740	31 405	26 571	25 989	...
Germany	200 656	96 066	185 613	223 031	203 474
Greece	537	3 242	545	1 295	...
Irish Republic	1 551	801	702	548	574
Italy	55 255	32 564	31 821	52 925	...
Netherlands	81 754	109 612	74 488	109 287	136 882
Portugal	1 562	897	900	1 100	5 060
Spain	17 062	12 790	21 126	19 054	...
Sweden	4 503	4 061	4 935	3 125	2 668
Albania (b)	...	*7 000	...	...	...
Croatia	4 516	76	400	72	243
Czech Republic	—	31 752	30 596	39 964	14 693
Hungary	4 706	2 576	2 517	*3 000	...
Norway	104 044	129 235	102 829	108 669	142 150
Poland	7 159	4 450	3 936	4 222	5 416
Romania	62 303	20 444	21 720	21 750	18 419
Switzerland	2 318	1 674	2 727	2 263	1 961
Gabon	2 000	2 100	1 400	1 700	...
South Africa	1 253	2 892	1 700	2 198	...
Canada	11 908	15 015	14 780	16 667	15 631
Mexico	15 462	54 517	30 672	7 593	...
Trinidad & Tobago	...	8 491	6 527	20 655	...
USA	353 682	803 929	1 074 319	1 043 138	1 538 056
Argentina	812	307	3 239	10 321	...
Colombia	30 315	12 856	20 901	55 283	...
Ecuador	601	2 304	4 674	1 168	...
Venezuela	123 160	123 476	148 308	97 172	...
Abu Dhabi	34 965	41 651	25 300	31 907	10 494
Hong Kong	2 314	1 901	2 801	1 186	259
Indonesia	41 396	41 984	57 083	40 430	...
Japan	92 692	116 327	85 124	130 135	139 559
Korea, Republic of	40 557	39 758	54 013	61 045	85 211
Malaysia	1 485	2 773	3 607	11 300	...
Philippines	1 209	1 609	4 218	1 407	...
Saudi Arabia	28 288	2 122	670	...	...
Singapore	20 855	17 928	14 190	23 932	11 833
Syria	15 530	10 928	...	2 078	...
Taiwan	11 438	6 899	8 170	9 847	...
Thailand	10 152	6 912	7 291	6 180	...
Australia (a)	3 720	14 705	...	...	...
New Zealand (a)	2 236	902	845	896	...

Note(s):

(1) Trade in barytes is reported under item 278.92 of the Standard International Trade Classification (Revision 3) and is described as 'barytes and witherite'. However, only small quantities of witherite are traded

(a) Years ended 30 June of that stated

(b) BGS estimates, based on known exports from certain countries

Production of Bentonite and Fuller's Earth

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Fuller's earth (a)	189 400	187 100	133 500	132 300	142 600
France					
Bentonite	6 000	7 000	—	—	—
Germany					
Bentonite	581 169	473 102	498 849	529 446	491 346
Fuller's earth	673 000	670 000	498 000	*500 000	...
Greece					
Bentonite	600 083	677 578	697 773	1 115 119	...
Italy					
Bentonite	150 503	326 992	374 491	590 845	475 000
Fuller's earth	30 000	20 000	23 500	33 600	26 400
Spain					
Bentonite	157 300	162 400	148 600	172 265	...
Attapulgit	87 300	90 900	91 100	94 266	...
Sepiolite	495 100	465 700	495 100	531 200	...
Bosnia & Herzegovina					
Bentonite	*1 000	*800	*800	*800	*800
Croatia					
Bentonite	*10 000	*10 000	10 391	7 327	9 728
Czech Republic					
Bentonite	—	63 000	65 000	54 000	59 000
Hungary					
Bentonite	23 000	9 400	14 700	15 000	15 376
Macedonia					
Bentonite	*40 000	*35 000	*30 000	*30 000	...
Poland					
Bentonite	17 654	9 100	1 100	1 500	1 800
Romania					
Bentonite	*120 000	*120 000	*100 000	*100 000	...
Slovakia					
Bentonite	—	*25 000	60 310	74 960	74 820
Soviet Union (d)					
Bentonite	*2 000 000	*1 600 000	*1 300 000	*1 300 000	...
Turkey					
Bentonite	439 126	456 597	516 187	605 499	517 971
Algeria					
Bentonite	31 019	20 833	20 215	17 088	17 200
Fuller's earth	3 656	3 229	4 550	4 500	4 500
Egypt (e)					
Bentonite	4 215	4 994	2 379	1 930	2 210
Morocco					
Bentonite	7 273	10 811	24 919	29 308	29 881
Fuller's earth (f)	38 098	38 700	*22 800	*20 000	...
Senegal					
Attapulgit	148 000	119 409	*119 000	*120 000	*120 000
South Africa					
Bentonite	43 977	50 441	71 773	70 927	48 859
Attapulgit	8 235	7 032	10 090	8 049	14 474
Canada					
Bentonite (i)	4 900	10 500	13 900	12 400	...
Guatemala					
Bentonite	7 002	4 198	4 410	5 839	3 755
Mexico					
Bentonite	135 993	94 584	92 476	72 599	69 810
Fuller's earth	41 111	36 068	21 377	15 755	41 800
Nicaragua					
Bentonite	1 270	980	694	...	...
USA					
Bentonite (c)	2 954 154	2 870 000	3 290 000	3 820 000	*4 110 000
Fuller's earth (c)	2 413 453	2 483 821	2 640 000	2 640 000	*2 580 000
Argentina					
Bentonite	97 531	96 706	117 095	113 760	102 200
Fuller's earth	*1 500	*1 600	*1 600	*1 600	...

Production of Bentonite and Fuller's Earth

tonnes

Country	1992	1993	1994	1995	1996
Brazil					
Bentonite	219 050	164 452	168 484	166 675	...
Colombia					
Bentonite	3 258	...	1 018	900	...
Peru					
Bentonite	*14 210	10 250	27 682	26 961	18 592
Cyprus					
Bentonite	58 840	60 000	50 000	51 000	71 000
India (h)					
Bentonite	296 000	230 000	230 000	313 000	...
Fuller's earth	38 000	87 000	88 000	54 000	...
Indonesia					
Bentonite	17 960	13 707	14 409	26 057	*26 000
Iran (g)					
Bentonite	62 000	53 667	71 759	54 798	84 000
Japan					
Bentonite	534 445	515 307	484 115	478 056	468 728
Pakistan					
Bentonite	6 057	7 991	11 180	5 759	15 290
Fuller's earth	22 042	20 941	15 335	12 862	13 415
Philippines					
Bentonite	31 896	4 600	3 400	...	...
Thailand					
Bentonite	8 010	2 780	5 125	8 285	...
Australia (e)					
Bentonite	60 300	66 000	*70 000	*70 000	*70 000
Fuller's earth	*15 000	*15 000	*15 000	*15 000	*15 000
New Zealand					
Bentonite	—	1 613	930	3 699	*3 500
World total Bentonite	8 750 000	8 270 000	8 590 000	9 950 000	10 010 000
World total Fuller's earth (b)	4 200 000	4 250 000	4 180 000	4 180 000	4 160 000

Note(s):

- (1) Bentonites consist of montmorillonite (one of the smectite group of clay minerals) and occur in two main varieties, calcium bentonite, the most commonly occurring, and sodium bentonite, industrially the more important
 - (2) Calcium bentonite can be converted to sodium bentonite by a sodium-exchange process
 - (3) In some countries, such as the United Kingdom, calcium bentonite is known as fuller's earth, a term which is also used to refer to attapulgite, a mineralogically distinct clay mineral but exhibiting similar properties
 - (4) In addition to the countries listed, Austria, Bulgaria, China and Tanzania are believed to produce bentonite and France, Iran and Japan may produce fuller's earth
- (a) BGS estimates of saleable production based on data from producing companies
 - (b) Including attapulgite and sepiolite
 - (c) Sold or used by producers
 - (d) Dissolved in December 1991. Information is not available to provide estimates for all individual former Soviet Union countries
 - (e) Years ended 30 June of that stated
 - (f) Smectite
 - (g) Years ended 20 March following that stated
 - (h) Years ended 31 March following that stated
 - (i) Data for Saskatchewan only

Exports of Bentonite and Fuller's Earth

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Bentonite	55 539	57 860	63 799	73 210	83 783
Fuller's earth	32 029	28 996	26 435	20 821	22 783
Austria					
Bentonite	2 136	2 007	2 236	...	...
Belgium-Luxembourg					
Bentonite	4 324	563	975	418	1 392
Fuller's earth	678	477	9	14	...
France					
Bentonite	18 201	16 524	21 405	24 412	...
Fuller's earth	4 046	2 236	1 893	2 164	...
Germany					
Bentonite	88 375	59 661	61 070	42 259	26 021
Fuller's earth	533	1 307	441	507	658
Greece					
Bentonite	111 980	53 864	66 809	130 824	...
Italy					
Bentonite	19 997	16 278	96 936	182 918	...
Netherlands					
Bentonite	42 822	44 518	65 538	79 790	71 432
Fuller's earth	3 192	1 166	5 568	15 891	...
Spain					
Bentonite	60 582	6 793	4 650	12 046	...
Sepiolite	530 567	...	...	...	...
Fuller's earth	7 746	7 380	10 412	10 347	...
Bulgaria					
Bentonite (c)	*15 100	*21 900	*41 200	*54 800	...
Croatia					
Bentonite	1 505	...	...	1 018	1 294
Czechoslovakia					
Bentonite (c)	*9 500	—	—	—	—
Czech Republic					
Bentonite	—	13 976	19 317	18 048	21 633
Hungary					
Bentonite	950	3 597	1 653	696	651
Turkey					
Bentonite	22 915	28 038	53 692	50 935	68 124
Morocco					
Bentonite	4 000	...	18 480	27 800	...
Fuller's earth	...	...	8 542	12 450	...
Senegal					
Fuller's earth (b)	11 062	...	...	...	...
Canada					
Bentonite	1 605	949	929	1 605	3 241
Guatemala					
Bentonite	...	2 167	2 528	3 110	...
Mexico					
Bentonite	3 261	3 794	3 408	6 518	...
USA					
Bentonite	606 824	599 297	774 861	735 077	796 289
Fuller's earth	27 709	67 838	86 572	62 618	111 820
Argentina					
Bentonite	15 369	21 100	22 037	24 008	...
Colombia					
Bentonite	1 428	1 534	1 019	841	...
China					
Bentonite	43 488	40 717	55 360	67 997	73 169
Fuller's earth	1 005	729	17 897	1 289	1 182
Cyprus					
Bentonite	18 768	29 756	22 573	14 127	31 397
India (d)					
Bentonite	112 543	129 960	147 005	147 856	...

Exports of Bentonite and Fuller's Earth

tonnes

Country	1992	1993	1994	1995	1996
Indonesia					
Bentonite	14 288	8 016	7 005	10 947	...
Fuller's earth	1 878	2 423	1 514	3 295	...
Japan					
Bentonite	965	1 589	1 075	1 986	2 038
Korea, Republic of					
Bentonite	5 184	6 625	10 203	12 696	11 221
Singapore					
Bentonite	16 262	14 775	16 943	18 148	15 703
of which: Re-exports	11 368	9 357	9 210	10 803	8 635
Fuller's earth (a)	1 863	50	33	2	1
Australia (e)					
Bentonite	14 174	7 049	...	...	...

Note(s):

- (1) See notes 1-3 to production table
 - (2) The figures in this table refer to natural and sodium-exchanged bentonite, and fuller's earth, Standard International Trade Classification (Revision 3) 278.27
 - (3) Activated bentonite and fuller's earth, Standard International Trade Classification (Revision 3) 598.65 are excluded
 - (4) Some countries are believed to include sodium-exchanged bentonite, often referred to as activated bentonite, under Standard International Trade Classification (Revision 3) 598.65, e.g. Italy
- (a) Re-exports
(b) Attapulgit
(c) BGS estimates, based on known imports into certain countries
(d) Years ended 31 March following that stated
(e) Years ended 30 June of that stated

Imports of Bentonite and Fuller's Earth

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Bentonite	134 444	114 247	183 613	201 555	168 665
Fuller's earth	4 921	18 420	39 013	6 144	1 012
Austria					
Bentonite	30 822	22 178	34 165	...	...
Fuller's earth	728	845	184	106	49
Belgium-Luxembourg					
Bentonite	23 763	10 064	11 551	12 687	15 055
Fuller's earth	1 846	1 323	689	1 122	...
Denmark					
Bentonite	14 580	18 331	24 968	19 077	23 589
Fuller's earth	1 500	3 089	1 024	551	502
Finland					
Bentonite	6 273	8 808	12 583	18 688	...
France					
Bentonite	104 262	68 397	112 530	110 679	...
Fuller's earth	958	1 628	5 332	6 184	...
Germany					
Bentonite	291 128	185 056	204 678	246 047	164 551
Fuller's earth	18 333	28 118	32 750	30 365	21 878
Greece					
Bentonite	377	759	337	1 200	...
Italy					
Bentonite	77 254	53 677	66 920	64 483	...
Fuller's earth	6 430	7 744	8 993	...	...
Netherlands					
Bentonite	144 735	142 800	137 777	172 660	185 906
Fuller's earth	5 650	7 505	5 788	18 806	...
Portugal					
Bentonite	9 668	8 625	...	...	12 844
Spain					
Bentonite	20 260	40 584	61 262	46 796	...
Fuller's earth	93	0	633	1	...
Sweden					
Bentonite	10 656	8 284	18 269	122 765	110 649
Fuller's earth	5 994	10 212	3 281	...	...
Croatia					
Bentonite	1 930	760	...	1 116	295
Czech Republic					
Bentonite	—	4 308	3 329	3 065	5 394
Norway					
Bentonite	9 660	35 543	18 484	28 440	24 533
Fuller's earth	550	108	65	93	98
Poland					
Bentonite	24 443	48 843	60 287	55 464	...
Switzerland					
Bentonite	18 524	19 486	19 416	20 971	20 541
Fuller's earth	1 987	1 793	1 845	1 812	2 328
South Africa					
Bentonite	1 040	930	1 857	6 841	...
Tunisia					
Bentonite	3 799	...	3 280	...	...
Canada					
Bentonite	255 810	295 356	329 639	343 826	381 042
Fuller's earth	7 576	8 622	9 266	10 169	9 009
Mexico					
Bentonite	4 357	9 250	8 270	7 993	...
USA					
Bentonite	2 527	2 014	2 042	3 114	7 514
Fuller's earth	160	101	1 441	100	368
Brazil					
Bentonite	18 206	34 585	26 092	34 486	...
Chile					
Bentonite	8 007	5 853	6 001	6 587	6 224

Imports of Bentonite and Fuller's Earth

tonnes

Country	1992	1993	1994	1995	1996
Colombia					
Bentonite	1 461	3 286	5 568	3 403	...
Peru					
Bentonite	456	501	1 192	1 526	...
Uruguay					
Bentonite	388	310	757	478	...
Venezuela					
Bentonite	14 596	17 213	43 565	98 653	...
Hong Kong					
Bentonite	10 241	5 722	11 290	17 784	16 181
Indonesia					
Bentonite	9 951	14 409	15 395	9 941	...
Japan					
Bentonite	169 560	192 543	209 306	254 970	218 252
Fuller's earth	8 233	8 280	7 058	7 015	7 479
Korea, Republic of					
Bentonite	17 238	21 461	15 203	11 494	18 857
Malaysia					
Bentonite	80 442	71 250	102 692	...	...
Fuller's earth	8 250	15 878	12 932	...	...
Pakistan (a)	3 456	728	5 611	...	...
Philippines	8 962	11 233	21 938	19 913	...
Singapore					
Bentonite	34 998	24 411	30 552	17 395	26 401
Fuller's earth	1 432	891	218	232	47
Taiwan					
Bentonite	35 436	37 955	40 846	36 741	...
Thailand					
Bentonite	31 779	31 486	38 303	42 479	...
Fuller's earth	1 781	3 083	2 526	66	...
Australia (a)					
Bentonite	12 529	21 004	...	...	...

Note(s):

- (1) See notes 1-3 to production table
- (2) The figures in this table refer to natural and sodium-exchanged bentonite, and fuller's earth, Standard International Trade Classification (Revision 3) 278.27
- (3) Activated bentonite and fuller's earth, Standard International Trade Classification (Revision 3) 598.65 are excluded
- (4) Some countries are believed to include sodium-exchanged bentonite, often referred to as activated bentonite, under Standard International Trade Classification (Revision 3) 598.65, e.g. Italy

(a) Years ended 30 June of that stated

Mine Production of Bismuth

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Italy	20	—	—	—	—
Romania	*50	*40	*40	*40	*40
Yugoslavia, Federal Republic of	10	5	0	0	0
Canada	224	144	152	187	185
Mexico	807	908	1 047	995	1 070
USA	*100	*100	*100	*100	*100
Peru (a)	*550	*1 000	*1 000	*1 000	*1 000
China	820	1 052	850	803	360
Japan	530	497	505	591	562
Kazakhstan	*200	*180	85	33	14
Tajikistan	*20	*16	*12	*11	*5
Uzbekistan	*15	*10	*10	*10	*11
Australia	*400	*400	*400	*400	*400
World total	3 700	4 400	4 200	4 200	3 700

Note(s):

- (1) The figures in this table are in some instances derived from reported bismuth content of refined and impure metal plus recoverable bismuth in ores and concentrates exported
 - (2) Production for some countries may include bismuth produced from imported ores but it is thought that any resulting duplication is insignificant in the countries shown
 - (3) In addition to the countries listed, Brazil is believed to produce bismuth
- (a) Including Bi content of bullion and concentrates exported

Exports of Bismuth

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	574	665	635	743	817
Belgium-Luxembourg					
Compounds	136	417	46	519	...
France					
Compounds	160	80	34	44	...
Metal	33	18	61	93	...
Germany					
Compounds	70	99	33	50	79
Metal	150	247	359	267	133
Italy					
Metal	18	1	2	10	...
Netherlands					
Metal	8	50	105	16	170
Spain					
Compounds	14	50	76	77	...
Canada					
Metal	41	43	165	220	141
Mexico					
Metal	1 783	720	1 008	865	...
USA					
Metal	101	75	176	269	161
Peru					
Metal	494	722	1 009	521	...
China					
Metal	1 259	2 020	5 806	3 511	1 199
Hong Kong					
Metal (a)	130	305	118	187	117
Japan					
Metal	21	35	4	36	5
Korea, Republic of					
Metal	49	41	102	97	75

Note(s):

(1) The compounds recorded in this table are bismuth carbonate and/or bismuth nitrate

(a) Re-exports

Imports of Bismuth

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	695	1 128	450	451	761
France					
Compounds	3	141	19	47	...
Metal	307	329	332	335	...
Germany					
Compounds	93	420	455	626	471
Metal	912	864	534	647	421
Italy					
Compounds	31	2	3	...	...
Metal	88	92	147	166	...
Netherlands					
Compounds	242	102	157	256	...
Metal	30	207	73	44	170
Spain					
Metal	97	78	235	107	...
Sweden					
Metal	13	15	23	22	11
Switzerland					
Metal	7	10	11	15	10
USA					
Metal	1 621	1 335	1 661	2 201	1 502
Brazil					
Metal	65	51	82	68	...
Hong Kong					
Metal	271	336	873	390	381
India (a)					
Metal	36	42	89	34	...
Japan					
Metal	74	41	281	190	181

Note(s):

(1) The compounds recorded in this table are bismuth carbonate and/or bismuth nitrate

(a) Years ended 31 March following that stated

Bromine

Production of Bromine

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom	29 903 000	27 423 000	33 800 000	26 200 000	30 600 000
France	3 200 000	2 290 000	2 190 000	2 260 000	2 020 000
Italy	*300 000	*300 000	*300 000	*300 000	*300 000
Spain	*250 000	*200 000	*200 000	*200 000	*200 000
Azerbaijan	*5 000 000	*5 000 000	*3 000 000	*2 000 000	*2 000 000
Ukraine	*7 000 000	*5 000 000	*4 000 000	*3 500 000	*3 000 000
USA (a)	171 000 000	177 000 000	195 000 000	218 000 000	227 000 000
China	*16 650 000	*24 600 000	*31 400 000	*30 000 000	*30 000 000
India	2 039 000	2 320 000	2 248 250	1 800 240	2 524 430
Israel	*135 000 000	*135 000 000	*135 000 000	*135 000 000	*135 000 000
Japan	*15 000 000	*15 000 000	*15 000 000	*15 000 000	*15 000 000
Turkmenistan	*12 000 000	*10 000 000	8 000 000	*7 000 000	*7 000 000
World total	379 300 000	404 100 000	430 100 000	441 300 000	454 600 000

(a) Elemental bromine sold as such or used in the preparation of bromine compounds by primary producers

Exports of Bromine

Country	1992	1993	1994	1995	1996
United Kingdom	2 765 540	2 756 829	2 676 118	4 536 061	5 101 831
Belgium-Luxembourg	—	225 300	442 000	881 000	...
Germany	95 200	338 900	125 400	4 500	3 700
Italy	17 000	9 600	25 600	...	...
Netherlands	457 000	797 000	791 000	...	...
Russia (a)	*79 700	*44 500	*41 200	*48 800	...
Ukraine (a)	—	*420 200	*68 000	*336 800	...
Yugoslavia, Federal Republic of (a)	...	...	*11 300	...	...
USA	5 455 675	6 030 616	6 564 811	3 236 285	2 924 481
China	—	—	—	82 500	41 772
Israel (a)	*28 977 000	*21 388 000	*23 955 000	*15 051 000	...

Note(s):

(1) This table does not purport to be comprehensive: trade in bromine is not separately distinguished from other halogens by many countries

(a) BGS estimates, based on known imports into certain countries

Bromine

Imports of Bromine

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom	7 935 040	5 826 164	4 841 758	5 184 957	7 114 973
Belgium-Luxembourg	2 079 000	2 473 900	2 602 900	1 896 000	...
Denmark	400	—	400	400	6 000
France	6 722 000	4 888 000	6 929 800	8 797 000	...
Germany	3 080 800	3 710 400	3 719 000	3 328 200	3 148 000
Irish Republic	152 553	—	—	—	—
Italy	377 200	455 700	805 800	...	...
Netherlands	10 269 000	6 735 000	19 168 000	10 984 000	...
Spain	74 000	124 000	...	119 000	...
Hungary	...	10 000	12 400	...	...
Poland	2 000	48 000	71 000	61 000	...
Canada	1 328 473	1 562 099	1 652 167	1 426 681	1 230 197
Mexico	(c) *220 000	(d) 211 340	(d) 130 209	(d) 189 796	...
USA	855 223	850 446	330 296	2 221 619	421 580
Brazil	...	46 000	61 000	71 000	...
China	...	647 824	445 568	233 238	137 446
India (a)	844 595	1 176 192	756 200	2 553 629	...
Israel (c)	—	*17 800	...	...	...
Korea, Republic of	914 279	940 877	902 281	957 867	1 091 227
Pakistan (b)	5 629	12 491	9 000	...	...
Taiwan	88 843	141 779	53 172	141 840	...

Note(s):

(1) This table does not purport to be comprehensive: trade in bromine is not separately distinguished from other halogens by many countries

(a) Years ended 31 March following that stated

(b) Years ended 30 June of that stated

(c) BGS estimates, based on known exports from certain countries

(d) May include some fluorine

Production of Cadmium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	383	458	469	549	537
Belgium	1 560	1 572	1 556	1 710	1 580
Finland	580	332	580	534	648
France	252	136	6	—	—
Germany	941	1 056	1 145	1 145	*950
Italy	742	517	475	308	296
Netherlands	612	526	307	704	603
Spain	379	365	387	397	307
Bulgaria	194	266	286	280	*280
Macedonia	230	249	73	74	*80
Norway	249	213	288	317	274
Poland	132	149	61	—	—
Russia	*800	742	582	670	716
Turkey	23	31	22	36	42
Ukraine	5	7	10	15	24
Yugoslavia, Federal Republic of	8	17	—	11	79
Algeria	56	65	59	*60	44
Congo, Democratic Republic	84	12	—	—	—
Namibia	29	13	19	15	7
Canada (a)	1 963	1 888	2 173	2 349	2 537
Mexico (b)	1 146	1 332	1 146	1 179	1 207
USA (a)	1 620	1 094	1 011	1 266	1 530
Argentina	37	49	27	43	40
Brazil	135	*135	162	144	132
Peru	399	472	507	423	405
China	1 138	1 161	1 282	1 533	1 296
India	311	270	230	254	264
Japan	2 986	2 832	2 614	2 652	2 344
Kazakhstan	*1 000	*1 200	1 097	794	*800
Korea, Dem. P.R. of	*200	*200	*200	*200	*200
Korea, Republic of	789	719	905	908	*800
Thailand	635	449	643	365	385
Australia	1 001	951	910	842	639
World total	20 600	19 500	19 200	19 800	19 000

Note(s):

(1) Data in this table excludes secondary metal unless otherwise stated

(a) Including cadmium sponge and/or secondary metal

(b) Including oxides

Cadmium

Exports of Cadmium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	308	134	134	299	192
Austria	0	14	6	13	1
Belgium-Luxembourg					
Metal	1 445	2 321	1 585	2 206	1 591
Sulphide	30	22	53	44	...
Finland	586	706	810	496	...
France	841	444	159	4 155	...
Germany	758	794	2 022	766	595
Italy	584	566	583	220	...
Netherlands	436	594	2 040	544	711
Spain	...	381	301	335	...
Bulgaria (b)	*250	*140	*10	*660	...
Norway	186	356	346	169	172
Poland	15	1	12	—	...
Russia (b)	...	*100	*50	*950	...
Namibia	38	10	31	33	9
Canada	1 581	1 857	1 904	2 463	1 694
Mexico	590	808	617	693	...
USA					
Metal	213	39	1 468	1 094	204
Sulphide	38	31	205	506	797
Peru	331	...	412	305	...
China	125	0	3 479	1 449	241
Hong Kong (c)	323	392	248	691	452
Japan	30	80	15	19	31
Kazakhstan	...	...	(b) *240	739	...
Korea, Republic of	804	461	1 198	1 274	773
Australia (a)	1 076	958	...	...	...

(a) Years ended 30 June of that stated

(b) BGS estimates, based on known imports into certain countries

(c) Re-exports

Imports of Cadmium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	828	416	893	131	343
Belgium-Luxembourg					
Metal	2 188	4 959	2 973	5 009	4 169
Sulphide	174	22	51	33	...
Finland	13	230	125	0	...
France					
Metal	1 293	995	1 290	1 312	...
Sulphide	49	36	32	342	...
Germany					
Metal	613	454	395	267	178
Italy					
Metal	88	31	62	63	...
Sulphide	50	6	9	...	...
Netherlands					
Metal	—	206	332	575	286
Sulphide	49	—	—	—	—
Spain	93	104	127	105	...
Sweden	242	140	345	393	263
Canada					
Sulphide	11	26	110	299	667
USA	1 958	1 415	1 104	817	843
Brazil					
Oxide	...	121	124	181	...
China	585	1 105	465	607	1 151
Hong Kong	234	431	997	433	624
India (a)	279	758	404	418	...
Japan	2 796	3 098	3 844	6 046	4 442
Korea, Republic of	76	63	47	35	11
Taiwan					
Oxide	399	369	314	325	...
Sulphide	18	47	6	16	...

(a) Years ended 31 March following that stated

Production of Chromium Ores and Concentrates

tonnes

Country	1992	1993	1994	1995	1996
Finland (b)	499 325	516 457	572 747	597 674	573 909
Greece	—	3 697	—	—	—
Albania	322 000	281 000	222 879	245 813	235 816
Macedonia	*6 000	*5 000	*5 000	*5 000	...
Russia	*121 400	121 000	143 000	164 000	96 700
Turkey (a)	758 700	706 250	790 000	1 250 000	1 050 000
Madagascar	160 777	144 311	75 000	105 747	150 000
South Africa	3 363 481	2 838 044	3 599 472	5 086 053	5 000 038
Sudan	*20 000	*13 000	*10 000	*10 000	*10 000
Zimbabwe	522 013	252 033	516 801	707 433	697 311
Cuba	*50 000	*50 000	*50 000	*50 000	*50 000
Brazil (a)	460 211	260 309	399 977	446 893	*500 000
China	*25 000	*54 000	*62 000	*70 000	*50 000
India	1 150 000	1 064 400	1 060 500	1 025 000	1 025 000
Iran (b) (c)	130 265	114 780	354 163	363 610	178 800
Japan	*8 000	*8 000	*8 000	*8 000	*8 000
Kazakhstan	3 452 400	2 968 200	2 020 000	2 871 000	1 190 000
Oman	1 764	10 236	6 166	5 300	15 000
Pakistan	22 852	22 154	6 240	17 000	27 987
Philippines (b)	113 297	61 464	65 122	80 125	99 465
Vietnam	*3 500	*3 500	*3 500	*3 500	*3 500
New Caledonia	8 169	—	—	—	—
World total	11 200 000	9 500 000	10 000 000	13 100 000	11 000 000

Note(s):

(1) In addition to the countries listed, Bulgaria, Democratic P.R. of Korea and Thailand are believed to produce chromite

(a) Including beneficiated and direct shipping ore

(b) Including foundry sand and/or lumpy ore

(c) Years ended 20 March following that stated

Exports of Chromium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	442	1 391	5 710	947	881
Metal	2 575	2 337	3 261	2 859	3 206
Belgium-Luxembourg					
Ores & concentrates	16 104	12 942	18 715	21 694	22 155
Finland					
Ores & concentrates	1 405	1 101	694	951	...
France					
Ores & concentrates	1 980	1 354	1 101	768	...
Metal	2 065	2 384	2 944	3 083	2 562
Germany					
Ores & concentrates	19 064	11 497	9 543	8 041	7 130
Metal	343	787	634	652	499
Greece					
Ores & concentrates	3 895	14 525	1 000	18 872	...
Italy					
Ores & concentrates	2 718	1 690	1 824	2 083	...
Metal	60	89	49	17	...
Netherlands					
Ores & concentrates	30 653	16 665	24 206	35 087	37 520
Metal	13	396	848	592	382
Albania					
Ores & concentrates	147 000	87 000	124 000	92 000	88 000
Poland					
Ores & concentrates	38 442	3 749	1 074	9 382	...
Metal	186	—	328	348	...
Russia					
Metal	(b) *800	(b) *1 800	(b) *4 700	(b) *4 900	5 233
Turkey					
Ores & concentrates	447 574	321 818	601 100	1 032 803	374 213
Madagascar					
Ores & concentrates	108 450	137 800	74 200	128 500	65 000
South Africa					
Ores & concentrates	1 175 972	983 656	903 308	1 135 062	1 340 619
Zimbabwe					
Ores & concentrates	5	47	90	5 410	...
USA					
Ores & concentrates	7 149	12 772	47 344	19 531	70 728
of which: Re-exports	85	2 268	241	1 715	...
Metal	304	477	494	763	1 432
Brazil					
Ores & concentrates	52 823	36 130	156 373	33 121	...
China					
Ores & concentrates	6 705	6 940	4 107	3 975	4 712
Metal	6 720	7 078	5 654	10 577	2 952
India (a)					
Ores & concentrates	395 946	308 267	490 212	347 705	...
Iran					
Ores & concentrates	(b) *112 700	(b) *73 600	(b) *244 300	(b) *357 500	148 000
Japan					
Ores & concentrates	195	359	323	...	390
Metal	2 315	1 336	1 484	912	544
Kazakhstan					
Ores & concentrates	699 000	373 126	450 400	1 029 601	236 000
Oman					
Ores & concentrates	...	...	3 287	6 900	4 125
Philippines					
Ores & concentrates	143 777	80 695	83 881	98 992	43 000
Singapore					
Ores & concentrates (c)	5 516	952	902	737	366

Exports of Chromium

tonnes

Country	1992	1993	1994	1995	1996
New Caledonia					
Ores & concentrates	9 624	—	—	—	—

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) Years ended 31 March following that stated

(b) BGS estimates, based on known imports into certain countries

(c) Re-exports

Imports of Chromium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	113 521	128 409	151 563	166 633	176 179
Metal	987	668	1 318	1 403	1 171
Austria					
Ores & concentrates	37 190	41 732	26 865	36 400	...
Metal	78	101	194	196	147
Belgium-Luxembourg					
Ores & concentrates	20 448	24 170	17 160	28 527	22 116
Metal	538	281	564	435	554
Denmark					
Ores & concentrates	1 035	349	269	724	506
France					
Ores & concentrates	46 752	18 853	22 742	29 701	...
Metal	721	926	1 209	1 240	586
Germany					
Ores & concentrates	231 151	205 765	172 534	159 793	177 909
Metal	1 495	1 441	1 852	1 819	1 479
Greece					
Ores & concentrates	47	162	78	58	...
Italy					
Ores & concentrates	163 614	143 716	102 366	204 345	...
Metal	380	286	474	435	386
Netherlands					
Ores & concentrates	30 801	29 944	32 858	47 695	69 338
Metal	124	274	1 306	584	1 039
Portugal					
Ores & concentrates	1 589	1 559	5 600	2 100	2 755
Spain					
Ores & concentrates	11 135	4 758	5 914	5 047	...
Metal	127	361	148	257	218
Sweden					
Ores & concentrates	328 668	254 126	374 426	294 600	...
Metal	339	530	462	575	486
Croatia					
Ores & concentrates	186 086	30 416	...	27	14 796
Czechoslovakia					
Ores & concentrates (a)	*55 500	—	—	—	—
Hungary					
Ores & concentrates	100	456	875	1 200	...
Norway					
Ores & concentrates (a)	*62 400	*19 900	*68 800	...	...
Poland					
Ores & concentrates	29 468	59 061	26 807	84 138	...
Romania					
Ores & concentrates	28 720	24 604	26 500	67 262	43 200
Slovakia					
Ores & concentrates	—	83 701	133 200	100 800	...
Switzerland					
Ores & concentrates	876	891	936	1 057	1 165
Metal	183	130	217	240	113
Yugoslavia, Federal Republic of					
Ores & concentrates	2 356	*2 000	*2 000	*2 000	...
Canada					
Ores & concentrates	13 775	20 998	20 232	36 992	39 757
Metal	194	371	463	365	413
Mexico					
Ores & concentrates	15 100	14 295	5 749	6 357	...
USA					
Ores & concentrates	218 770	254 802	201 273	251 359	251 160
Metal	5 287	6 199	6 465	7 242	8 266
Argentina					
Ores & concentrates	19 224	14 583	14 723	43 730	...
Brazil					
Ores & concentrates	25 977	31 897	8 045	48 046	...
Chile					
Ores & concentrates	14 475	7 023	11 110	20 052	10 592

Chromium

Imports of Chromium

tonnes

Country	1992	1993	1994	1995	1996
Peru					
Ores & concentrates	1 156	1 000	2 355	2 832	...
Venezuela					
Ores & concentrates	2 767	2 243	2 641	2 408	...
China					
Ores & concentrates	901 020	618 757	651 001	1 380 935	764 377
Metal	572	613	310	449	1 327
India (b)					
Metal	127	143	153	226	...
Japan					
Ores & concentrates	724 983	601 629	664 545	607 268	686 451
Metal	1 002	1 572	2 046	2 123	1 953
Korea, Republic of					
Ores & concentrates	319	449	537	478	539
Metal	136	216	487	517	675
Singapore					
Ores & concentrates	936	1 977	1 036	1 245	508
Taiwan					
Ores & concentrates	6 240	6 372	6 991	9 993	...
Thailand					
Ores & concentrates	3 831	8 132	7 514	1 778	...
Australia (c)					
Ores & concentrates	5 407	8 286	*8 300	*8 400	...
Metal	128	101	...	...	...

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 31 March following that stated

(c) Years ended 30 June of that stated

Production of Coal

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Anthracite	2 040 000	1 404 000	...	...	...
Bituminous	82 453 000	66 795 000	(g) 48 971 000	(g) 53 037 000	(g) 50 197 000
Austria					
Brown coal & lignite	1 750 451	1 691 175	1 368 717	1 249 308	1 108 058
Belgium					
Bituminous	218 000	—	—	—	—
France					
Anthracite & bituminous	9 474 000	8 576 000	7 500 000	7 500 000	7 600 000
Lignite	1 582 000	1 672 000	1 600 000	1 500 000	900 000
Germany					
Anthracite & bituminous	65 898 855	58 282 312	52 407 727	53 563 599	48 196 515
Brown coal	241 825 726	221 840 512	207 095 866	192 758 592	187 246 925
Greece					
Lignite	54 658 236	54 817 062	57 532 515	56 553 231	58 400 000
Italy					
Bituminous	110 000	17 000	109 000	—	41 000
Lignite	1 135 764	1 053 000	517 000	365 800	223 400
Portugal					
Anthracite	221 436	197 613	147 153	—	—
Spain					
Anthracite	6 176 587	6 087 836	6 728 157	6 691 344	6 487 000
Bituminous	8 463 897	8 199 460	7 257 719	6 907 297	(f) 11 262 000
Sub-bituminous	3 910 361	4 114 975	4 137 149	4 036 000	...
Lignite	14 778 744	13 347 265	11 361 535	10 676 000	9 604 000
Albania					
Lignite	216 000	135 000	120 000	81 000	60 000
Bosnia & Herzegovina					
Lignite	*2 000 000	*1 500 000	*1 500 000	*1 500 000	*1 000 000
Brown coal	*2 500 000	*1 000 000	*1 000 000	*1 000 000	*1 000 000
Bulgaria					
Anthracite & bituminous	248 000	263 000	173 000	194 000	205 100
Brown coal & lignite	30 088 000	28 770 000	28 584 000	30 636 000	32 050 700
Croatia					
Bituminous	120 274	104 617	96 205	75 208	64 369
Czechoslovakia					
Bituminous	18 486 000	—	—	—	—
Brown coal	(a) 72 500 000	—	—	—	—
Czech Republic					
Bituminous	—	23 862 000	20 910 000	21 309 000	21 784 000
Lignite	—	1 263 000	913 000	775 000	902 000
Brown coal	—	66 891 000	59 811 000	57 954 000	59 539 000
Georgia	181 000	82 200	32 900	*50 000	30 000
Hungary					
Bituminous	1 296 000	942 000	1 021 115	843 747	961 925
Lignite	7 020 000	6 894 000	6 727 049	7 150 518	7 575 255
Brown coal	7 627 000	6 598 000	6 158 199	6 457 659	6 517 088
Macedonia					
Lignite	6 472 920	6 917 774	6 859 762	6 800 000	...
Norway					
Spitzbergen (d)					
Bituminous	358 878	266 734	301 190	291 304	260 429
Poland					
Bituminous	131 530 600	130 479 200	133 933 100	137 166 300	137 444 000
Lignite	66 852 100	68 104 900	66 770 200	63 547 100	63 845 000
Romania					
Anthracite & bituminous	5 623 000	5 760 000	6 307 000	6 356 000	5 329 300
Brown coal & lignite	35 615 000	36 701 000	36 385 000	37 062 000	36 533 500
Russia	337 000 000	306 000 000	272 000 000	262 000 000	254 800 000
Slovakia					
Bituminous	—	960 000	1 040 000	1 065 000	...
Brown coal	—	2 300 000	2 620 000	2 660 000	(b) 3 800 000
Slovenia					
Lignite	4 233 339	3 921 000	3 775 000	3 917 000	...
Brown coal	1 316 639	1 200 000	1 079 000	967 000	...

Production of Coal

tonnes

Country	1992	1993	1994	1995	1996
Turkey					
Anthracite	(b) 5 300 000	(b) 5 000 000	4 210 780	3 377 334	3 605 773
Bituminous	...	...	108 364	147 154	126 751
Lignite	68 725 454	51 359 417	55 038 339	56 031 099	58 297 779
Ukraine					
Bituminous	97 200 000	115 800 000	94 600 000	83 800 000	68 100 000
Lignite	5 300 000	4 100 000	2 700 000	2 300 000	2 200 000
Yugoslavia, Federal Republic of					
Bituminous	102 000	73 000	81 672	56 678	62 754
Lignite	39 300 000	36 829 000	37 740 199	39 939 297	37 828 000
Brown coal	703 000	531 000	529 105	559 778	538 759
Botswana	901 452	890 497	900 298	898 383	763 240
Congo, Democratic Republic					
Bituminous	*85 000	*92 000	...	...	...
Malawi (h)	52 663	44 958	60 217	18 169	70 000
Morocco					
Anthracite	575 800	603 800	650 400	649 600	505 600
Mozambique					
Bituminous	12 618	8 740	*10 000	40 000	40 000
Niger	133 525	*150 000	*150 000	*150 000	*150 000
Nigeria					
Sub-bituminous	86 657	27 686	13 153	19 505	...
South Africa					
Anthracite	3 344 699	3 245 936	2 280 446	2 137 368	...
Bituminous	171 047 407	179 030 241	193 524 994	204 104 596	(g) 217 000 000
Swaziland					
Bituminous	100 220	49 644	227 730	171 666	128 973
Tanzania					
Bituminous	21 795	40 248	45 027	43 200	52 000
Zambia					
Bituminous	421 989	301 496	162 899	141 282	100 000
Zimbabwe					
Bituminous	5 546 884	5 284 734	5 515 336	5 537 579	4 760 000
Canada					
Bituminous	32 563 000	35 323 442	36 644 455	38 605 686	39 969 177
Sub-bituminous	23 019 899	23 661 046	25 494 274	25 621 599	24 985 963
Lignite	10 026 882	10 044 870	10 684 628	10 739 710	10 854 234
Mexico					
Bituminous	8 699 927	10 215 352	11 432 222	11 800 258	13 746 817
USA					
Anthracite	...	3 921 000	4 215 000	4 274 000	...
Bituminous	(i) 904 958 000	523 130 000	580 834 000	556 798 000	(i) 965 114 000
Sub-bituminous	...	249 386 000	272 624 000	297 555 000	...
Lignite	...	81 237 000	79 906 000	78 471 000	...
Argentina					
Bituminous	214 684	172 771	348 000	304 485	*300 000
Brazil					
Bituminous & lignite (e)	4 896 096	4 854 301	5 352 248	5 524 961	5 398 000
Chile					
Bituminous	977 775	792 681	480 825	361 554	(a) 1 376 833
Lignite	1 130 310	1 000 385	1 182 138	1 123 313	...
Colombia					
Bituminous	23 700 000	23 800 000	23 500 000	26 100 000	28 800 000
Peru					
Anthracite	80 980	31 095	26 445	16 240	16 778
Bituminous	14 485	*41 000	*45 000	*45 000	*45 000
Venezuela					
Bituminous	2 479 897	3 958 336	4 628 630	4 600 000	4 300 000
Afghanistan (c)					
Bituminous	*300 000	*250 000	*200 000	140 000	200 000
Bhutan	56 000	56 000	63 912	71 112	*75 000
China					
Anthracite	220 960 000	250 550 800	249 910 900	304 486 800	314 766 800
Bituminous	846 320 000	843 310 200	931 138 300	996 584 200	1 015 383 900
Lignite	47 270 000	56 810 000	60 950 800	59 660 500	66 548 700

Production of Coal

tonnes

Country	1992	1993	1994	1995	1996
India					
Bituminous	224 400 000	246 100 000	254 000 000	263 500 000	283 000 000
Lignite	12 600 000	18 800 000	19 200 000	22 000 000	25 000 000
Indonesia					
Anthracite & bituminous	23 150 000	27 584 418	31 238 458	41 516 722	47 338 609
Iran (c)					
Bituminous	1 507 697	1 665 164	1 884 985	1 847 994	1 840 000
Japan					
Anthracite & bituminous	7 600 000	7 200 000	6 900 000	6 300 000	6 480 000
Lignite	54 226	53 039	60 886	...	66 140
Kazakhstan					
Bituminous	122 384 000	107 211 000	101 500 000	81 100 000	73 200 000
Lignite	4 152 000	4 669 000	2 500 000	2 100 000	3 400 000
Korea, Dem. P.R. of					
Anthracite	43 100 000	43 000 000	...	40 000 000	30 300 000
Lignite	13 000 000	...	...	...	13 000 000
Korea, Republic of					
Anthracite	11 969 900	9 442 700	7 438 300	5 719 600	5 075 000
Kyrgyzstan	2 200 000	1 700 000	800 000	474 000	400 000
Malaysia	74 483	263 604	173 749	112 100	73 747
Mongolia					
Anthracite & bituminous	...	...	1 430 000	1 445 000	1 500 000
Brown coal & lignite	(b) (g) 6 247 300	(b) (g) 5 608 500	3 550 000	3 558 000	3 500 000
Myanmar	37 520	33 384	35 856	31 000	40 000
Pakistan (a)	2 954 000	3 305 028	3 082 221	2 996 571	3 344 536
Philippines					
Bituminous	1 582 430	1 531 487	1 458 000	1 320 000	1 123 000
Taiwan					
Bituminous	334 821	328 124	285 099	234 965	147 497
Tajikistan	*220 000	*200 000	*200 000	*200 000	20 000
Thailand					
Anthracite	22 000	15 500	11 900	5 000	5 000
Lignite	15 618 230	15 592 759	17 099 654	18 418 738	21 700 000
Uzbekistan	4 501 000	3 655 000	4 700 000	4 700 000	2 830 000
Vietnam					
Anthracite	4 938 500	5 500 000	6 100 000	7 200 000	10 900 000
Australia					
Bituminous (f)	179 144 000	180 045 000	182 723 000	193 534 000	199 800 000
Brown coal	50 228 000	48 458 000	48 682 000	50 700 000	53 600 000
New Zealand					
Bituminous	907 102	975 109	...	...	...
Sub-bituminous	1 897 243	1 932 057	(b) 3 033 196	(b) 3 300 000	(b) 3 200 000
Lignite	179 666	183 613	200 000	180 000	200 000
World total	4 488 000 000	4 423 000 000	4 517 000 000	4 633 000 000	4 704 000 000

Note(s):

(1) There is no international agreement as to the separate definition of lignite and brown coal. In some cases they are distinguished. Elsewhere both may be aggregated under one or other term

- (a) Including lignite
- (b) Including bituminous
- (c) Years ended 20 March following that stated
- (d) Not including production from mines controlled by the former Soviet Union
- (e) Including beneficiated and directly shipped material
- (f) Including sub-bituminous
- (g) Including anthracite
- (h) Years ended 31 March following that stated
- (i) Coal; all forms

Exports of Coal

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Anthracite	396 230	316 790	278 030	351 552	389 306
Other coal	576 652	796 943	958 407	572 411	599 178
Briquettes	70 459	94 258	105 285	123 502	120 320
Austria					
Brown coal	2 996	659	15	—	—
Belgium-Luxembourg					
Anthracite	175 764	195 230	220 055	254 998	283 988
Other coal	574 068	735 009	1 165 871	1 271 207	1 304 851
Briquettes	11 932	31 913	28 400	28 139	28 024
Denmark (b)	36 585	23 725	48 577	59 572	115 130
of which: Re-exports	27 911	...	...	...	...
France					
Anthracite	18 067	24 464	18 884	19 046	...
Other coal	571 416	575 660	561 128	424 847	...
Briquettes	47 171	40 092	21 093	13 956	...
Germany					
Coal (b)	1 647 834	970 011	2 190 765	1 736 383	1 037 327
Brown coal	362 187	350 722	723 794	674 751	544 460
Briquettes	850 120	608 953	190 745	157 713	132 804
Irish Republic (b)	30 078	6 639	4 184	3 322	1 538
Italy (b)	8 042	1 388	10 701	35 262	...
Netherlands					
Anthracite	206 755	91 794	64 324	71 206	86 315
Other coal	1 931 546	1 891 588	2 807 844	2 768 777	2 236 539
Briquettes	11 680	10 058	3 750	82 864	23 590
Spain (b)	678	312	19 762	581	...
Sweden (b)	14 620	105 431	23 393	1 754	2 236
Albania					
Lignite	*100 000	*50 000	...	...	...
Czechoslovakia					
Coal	2 788 000	—	—	—	—
Brown coal	3 147 000	—	—	—	—
Czech Republic					
Coal	—	5 137 000	6 499 000	7 022 000	6 738 000
Lignite	—	5 008 000	5 282 000	6 903 000	6 173 000
Estonia (c)	*131 000	*338 000	*174 000	*157 000	...
Norway (b)	168 114	227 233	178 624	180 276	156 071
Poland					
Anthracite	302 648	252 619	221 225	73 892	...
Other coal	19 299 480	22 715 388	27 473 866	31 794 304	(b) 28 925 379
Lignite	977 916	908 916	719 349	466 098	...
Russia					
Coal (b)	18 113 000	19 675 000	24 100 000	30 360 000	26 085 000
Lignite	6 593 000	—	477 000	(c) *299 000	...
Slovakia					
Lignite	—	113 067	...	...	...
Slovenia					
Lignite	81 064	38 233	24 743	...	...
Switzerland (b)	3 430	18	8	7 827	2
Ukraine (c)	*762 000	*579 000	*2 720 000	*1 230 000	...
South Africa					
Anthracite	2 260 158	2 090 031	2 225 494	2 016 844	...
Other coal	47 330 271	49 642 941	52 366 594	57 659 214	(b) 62 012 754
Zimbabwe (b)	42 984	19 799	74 272	63 537	...
Canada					
Coal	25 914 793	28 275 491	31 222 322	34 068 703	31 478 479
Lignite	62 306	73 624	62 293	35 461	11 589
USA					
Anthracite	469 580	430 955	444 788	734 999	700 105
Other coal	92 453 836	67 238 436	64 480 289	79 680 628	82 076 000
Lignite	29 438	29 808	21 080	83 808	235 283
Briquettes	39 480	26 478	15 986	34 473	12 852
Colombia	14 611 720	17 616 000	18 437 000	18 274 000	24 900 000
Venezuela	2 395 383	4 361 311	4 088 315	3 648 845	*3 700 000

Exports of Coal

tonnes

Country	1992	1993	1994	1995	1996
China					
Anthracite	2 014 976	1 914 475	1 863 031	2 528 687	1 729 132
Other coal	17 647 500	17 899 388	22 436 550	26 087 483	27 267 751
India (a)	381 601	515 099	673 053	651 734	...
Indonesia					
Anthracite	1 013 148	1 051 008	1 142 525	1 825 065	...
Other coal	14 798 274	17 568 547	24 221 450	29 745 435	...
Briquettes	103 808	116 002	406 271	382 104	...
Japan	2 506	2 388	2 250	1 505	2 764
Kazakhstan	581 000	659 000	...	12 950 825	...
Korea, Dem. P.R. of (c)	*1 090 000	*615 000	*474 000	*432 000	...
Malaysia (b)	30 630	32 062	63 570	...	...
Singapore (b)	87 476	73 565	1 257	147	396
of which: Re-exports	87 170	73 417	1 148	147	5
Vietnam	1 568 000	1 434 000	...	...	...
Australia	127 038 000	133 077 000	131 228 000	136 435 000	140 813 000
New Zealand (d)	731 131	746 915	1 000 429	1 125 970	1 440 253

Note(s):

(1) This table excludes bunker shipments

(a) Years ended 31 March following that stated

(b) Including anthracite

(c) BGS estimates, based on known imports into certain countries

(d) Years ended 30 June of that stated

Imports of Coal

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Anthracite	860 286	1 371 121	1 681 720	1 785 611	1 150 809
Other coal	19 479 171	14 624 142	13 406 765	14 135 749	16 471 563
Briquettes	153 349	127 493	84 599	55 665	55 037
Austria					
Anthracite	10 650	3 138	1 916	...	...
Other coal	3 788 446	3 173 276	2 996 596	...	...
Brown coal	8 547	1 320	18 873	...	...
Briquettes	265 226	248 910	196 657	...	...
Belgium-Luxembourg					
Anthracite	1 117 927	890 145	890 726	1 023 094	933 612
Other coal	13 896 298	11 254 181	12 392 380	12 036 234	11 103 000
Brown coal	210 079	208 017	112 321	177 159	149 215
Briquettes	68 692	155 193	143 847	96 524	42 690
Denmark					
Coal (c)	12 145 342	10 468 023	11 805 569	12 939 448	12 462 819
Lignite	4 163	8 314	8 998	4 029	4 805
Briquettes	2 548	111	325	244	628
Finland					
Anthracite	24 529	4 726	17 747	61	...
Other coal	4 239 787	5 948 331	8 087 168	5 887 173	...
France					
Anthracite	2 349 429	1 994 813	2 013 315	1 687 257	...
Other coal	20 047 859	12 047 753	10 585 090	11 629 364	...
Lignite	68 381	49 304	58 928	53 125	...
Briquettes	185 277	182 065	160 422	95 041	...
Germany					
Anthracite	195 372	169 098	219 182	363 811	258 966
Other coal	15 232 654	12 883 376	15 264 156	14 710 286	16 089 372
Brown coal	3 640 309	2 990 577	3 023 604	2 642 506	2 558 933
Briquettes	268 850	436 331	76 182	63 636	111 376
Greece (c)	1 496 209	1 446 000	1 430 186	1 412 867	...
Irish Republic					
Anthracite	193 022	135 505	95 650	70 894	115 576
Other coal	2 824 278	2 754 712	205 110	156 265	2 364 237
Lignite	28 193	37 912	38 604	28 720	29 362
Briquettes	8 683	6 860	2 342	...	5 101
Italy					
Anthracite	2 957 935	634 356	448 692	351 196	...
Other coal	14 978 425	13 264 130	15 308 172	18 267 000	...
Lignite	1 066	109	243	...	...
Briquettes	89 597	21 583	19 754	16 740	...
Netherlands					
Anthracite	349 758	250 392	335 059	126 045	299 485
Other coal	14 602 130	15 159 987	16 791 802	17 437 949	17 528 000
Brown coal	34 941	32 545	32 616	42 893	43 698
Briquettes	5 430	45 101	47 979	17 703	12 419
Portugal					
Anthracite	675 000	557 451	667 648	...	322 221
Other coal	3 813 000	4 141 740	4 346 000	(c) 5 661 794	4 776 330
Spain					
Anthracite	358 092	194 074	289 499	199 141	...
Other coal	13 649 867	12 454 217	11 549 223	13 777 894	...
Lignite	578	1 620	350	316	...
Briquettes	269	2 568	—	0	...
Sweden					
Anthracite	60 183	24 134	32 661	61 770	95 962
Other coal	2 949 191	3 180 865	3 013 709	3 437 536	3 139 894
Albania (e)	*21 700	...	...	...	...
Armenia	110 000	1 423 000	...	...	...
Bulgaria (c)	3 674 000	(e) *1 975 000	(e) *1 594 000	(e) *1 525 000	...
Croatia					
Anthracite	34 401	14 878	...	90	17
Other coal	507 069	576 146	...	178 774	61 407
Lignite	185 146	147 106	...	154 471	146 924
Czech Republic	—	1 940 000	1 721 000	2 676 000	3 211 000

Imports of Coal

tonnes

Country	1992	1993	1994	1995	1996
Hungary					
Coal (c)	1 750 811	1 242 093	1 961 051	1 761 496	1 893 219
Brown coal	610 402	985 104	622 434	386 006	549 207
Briquettes	105 910	66 210	54 544	26 779	18 847
Iceland	50 844	53 964	71 007	64 927	65 569
Latvia	813 000	610 156	465 554	159 560	207 251
Lithuania					
Coal	918 700	156 500	353 500	234 600	...
Lignite	...	...	...	24 473	...
Macedonia					
Anthracite	...	63 086	...	...	...
Malta	210 441	245 818	208 412	...	...
Moldova	2 489 000	1 938 000	2 444 000	1 314 799	...
Norway (a)					
Anthracite	77 602	81 191	93 097	106 412	83 151
Other coal	529 380	612 709	673 841	788 440	706 033
Lignite	9 663	21 702	27 563	32 845	40 755
Briquettes	805	650	745	2 309	2 132
Poland					
Coal	126 163	129 134	1 069 272	1 498 131	1 976 700
Lignite	18 031	920	1 477	13 020	...
Romania	6 645 078	2 916 496	4 079 985	4 732 778	4 728 117
Russia (e)	...	...	*25 900 000	*18 300 000	*20 000 000
Slovakia					
Bituminous	—	2 666 545	(e) *3 118 000	(e) *3 000 000	...
Lignite (e)	—	...	*2 559 000	*2 500 000	...
Briquettes	—	721 146	...	...	...
Slovenia					
Coal	14 898	18 769	15 552	...	...
Lignite	125 137	318 189	219 645	...	...
Switzerland					
Coal (c)	148 567	124 832	131 449	214 158	130 954
Briquettes	17 290	14 441	13 450	9 168	11 722
Turkey					
Coal (c)	4 026 000	5 472 825	6 652 514	4 340 199	7 853 373
Lignite	486 000	—	—	—	—
Ukraine (e)	*1 335 000	*1 261 000	*2 673 000	*2 750 000	...
Yugoslavia, Federal Republic of (e)	...	...	*334 000	*269 000	...
Algeria	802 849	...	425 326	...	...
Congo, Democratic Republic	*42 000	...	...	...	...
Egypt	1 155 373	1 522 015	1 852 000	...	...
Kenya	157 288	130 094	...	...	...
Madagascar	11 985	5 040	...	...	...
Malawi	*12 000	...	...	...	...
Mauritius	72 000	...	...	...	...
Morocco (c)	1 061 120	978 598	1 290 000	...	...
Mozambique	*20 000	...	...	...	...
South Africa	639 271	343 497	556 968	805 160	...
Tunisia (c)	11 138	14 733	9 383	...	...
Zimbabwe	*30 000	—	24 213	38 612	...
Canada					
Anthracite	285 593	265 645	343 961	427 044	527 520
Other coal	13 464 204	8 450 491	8 704 363	9 317 111	11 123 242
Cuba	151 000	152 000	153 000	...	...
Mexico					
Coal	...	81 026	289 668	1 255 697	...
Lignite	1 303	1 675	1 034	1 654	...
Panama	27 317	49 921	61 861	66 766	...
USA					
Anthracite	132 798	219 417	341 517	34 974	107 954
Other coal	3 253 930	6 336 742	6 482 178	6 512 516	6 343 234
Lignite	62 264	73 624	62 384	35 505	11 625
Briquettes	17 827	54 471	27 246	443	28 212

Imports of Coal

tonnes

Country	1992	1993	1994	1995	1996
Argentina	993 042	966 884	1 278 572	1 155 449	...
Brazil					
Anthracite	457 784	348 521	903 860	459 549	...
Other coal	11 452 589	12 133 728	11 413 765	12 082 413	...
Chile	963 140	1 688 897	2 343 242	2 871 638	4 673 570
Peru	182 534	262 086	354 702	287 007	...
Venezuela	74 730	23 722	31 534	29 098	...
China					
Anthracite	801 922	842 058	624 692	523 170	380 941
Other coal	400 616	579 031	584 485	1 085 376	2 823 516
Lignite	27 869	7 090	8 745	26 615	12 240
Cyprus	131 050	110 342	152 043	169 182	158 828
Hong Kong (c)	10 214 003	11 828 277	8 449 610	9 107 453	6 768 343
India (c) (d)	6 493 594	7 331 098	10 739 630	12 512 088	...
Indonesia (c)	453 660	511 189	300 805	644 321	...
Iran (b)	343 019	258 810	842 698	...	...
Israel	5 433 000	5 381 000	...	...	...
Japan					
Anthracite	2 360 510	2 478 369	2 444 482	2 780 788	3 233 592
Other coal	108 926 077	111 417 834	114 688 991	123 398 387	126 182 656
Lignite	15 758	23 176	20 782	19 943	20 371
Korea, Dem. P.R. of (e)	*1 441 000	*2 008 000	*1 552 000	*1 106 000	...
Korea, Republic of					
Anthracite	808 629	783 332	699 176	722 839	874 640
Other coal	29 767 640	34 958 730	38 507 007	43 113 442	44 932 078
Briquettes	16 299	3 269	6 331	5 150	9 300
Kyrgyzstan	...	1 028 000	...	...	...
Malaysia					
Anthracite	14 019	28 194	17 126	...	...
Other coal	2 315 960	1 623 489	1 363 448	...	...
Lignite	4	25 927	268	...	...
Pakistan (f)	1 069 091	1 030 890	1 093 917	...	...
Philippines (c)	856 846	925 444	1 064 043	1 645 511	...
Taiwan					
Anthracite	47 053	51 026	53 248	78 253	...
Other coal	23 146 730	24 876 728	26 689 095	29 160 642	...
Briquettes	87	—	13 121	52 250	...
Thailand (c)	470 241	964 372	1 417 363	2 322 192	...
Australia (f)	970	76 379	...	...	...
New Caledonia	166 734	156 781	206 030	184 914	227 995

(a) Excludes coal imported from Spitzbergen

(b) Years ended 20 March following that stated

(c) Including anthracite

(d) Years ended 31 March following that stated

(e) BGS estimates, based on known exports from certain countries

(f) Years ended 30 June of that stated

Mine Production of Cobalt

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Finland	216	167	121	—	—
Albania	300	—	—	—	...
Russia	*4 000	*3 500	*3 000	*3 500	*3 300
Botswana	208	205	225	271	406
Congo, Democratic Republic	8 547	2 092	3 274	3 967	6 037
Morocco	425	405	427	548	565
South Africa	234	243	246	190	243
Zambia	4 610	4 211	2 608	2 934	4 799
Zimbabwe	100	113	126	109	122
Canada	5 102	5 108	4 265	5 339	5 803
Cuba	1 360	1 258	1 141	1 854	2 300
Brazil	1 000	1 200	1 300	1 100	1 000
China	255	189	199	986	192
Indonesia	700	800	800	814	800
Australia	*1 270	1 320	1 100	800	900
New Caledonia	*3 000	*3 000	*3 000	*3 500	*3 500
World total	31 300	23 800	21 800	25 900	30 000

Note(s):

- (1) There is frequently a considerable disparity between the cobalt content of ore raised and cobalt actually recovered
- (2) Figures in this table relate where possible to cobalt recovered. The principal exceptions to this are Brazil, Democratic Republic of the Congo and New Caledonia, the figures for which relate to cobalt in ore raised

Production of Cobalt Metal

tonnes

Country	1992	1993	1994	1995	1996
Finland	742	940	1 443	1 709	2 110
Czechoslovakia	68	—	—	—	—
Norway	2 293	2 414	2 824	2 804	3 097
Russia	*4 000	*3 000	3 341	3 940	3 151
Congo, Democratic Republic	6 625	2 200	3 300	3 441	6 110
South Africa	234	172	246	190	243
Zambia	4 699	4 212	2 608	2 934	4 799
Canada (a)	2 210	2 695	2 971	3 259	3 552
Brazil	88	153	166	166	193
China	750	950	800	900	1 200
Japan	105	191	161	227	228
World total	21 800	16 900	17 900	19 600	24 700

Note(s):

- (1) In addition to the production listed above, several countries, including the United Kingdom, Finland, France and USA, are known to produce substantial amounts of cobalt compounds
- (2) Much of the metal recorded under Zaire is believed to be further processed in Belgium and elsewhere

(a) Including oxides

Exports of Cobalt

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	1 635	1 822	2 001	2 338	2 348
Oxides	1 282	1 090	2 151	2 163	1 118
Austria	64	181	104	2 125	63
Belgium-Luxembourg (a)					
Metal	*2 400	*1 900	*1 900	*2 200	...
Oxides	*1 100	*1 400	*900	*1 900	...
Finland					
Metal	659	829	1 352	1 558	...
Oxides	1 198	1 283	1 524	1 416	...
France					
Metal	860	465	742	607	...
Oxides	48	53	43	219	...
Germany					
Metal	1 666	1 250	1 789	1 543	1 255
Oxides	84	72	57	78	51
Italy					
Metal	600	372	82	125	...
Oxides	78	114	59	78	...
Netherlands					
Metal	167	408	534	978	3 614
Oxides	38	40	47	119	...
Spain	9	2	...	16	...
Sweden					
Metal	820	281	205	170	181
Oxides	841	589	660	898	396
Norway	2 103	2 554	2 680	2 830	3 149
Russia					
Metal	1 473	553	(d) *3 200	(d) *3 200	...
Oxides (d)	*100	*100	*200	*500	...
Switzerland	179	151	139	128	124
Morocco					
Ore	3 000	...	4 080	2 550	...
South Africa	211	196	179	152	183
Canada					
Metal	3 181	3 089	4 142	4 697	4 808
Oxides	489	394	204	—	632
Cuba					
Oxide, sinter & sulphide (b)	*1 300	*1 200	*1 200	*1 700	*2 300
USA					
Metal	959	834	1 820	1 624	2 028
Oxides	1 002	322	495	336	408
Brazil	97	...	260	107	...
China					
Metal	141	10	767	135	171
Oxides	116	35	484	235	114
Hong Kong					
Metal (c)	1 394	814	1 034	910	850
Oxides (c)	133	44	522	1 010	1 989
Japan					
Metal	265	269	401	448	788
Oxides	50	28	41	73	65

(a) Exports of cobalt are not separately recorded. Figures shown are BGS estimates based on known imports into certain countries

(b) Co content

(c) Re-exports

(d) BGS estimates, based on known imports into certain countries

Imports of Cobalt

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	3 157	3 344	3 501	3 458	3 737
Oxides	671	554	603	604	707
Austria					
Metal	304	271	355	353	283
Oxides	21	24	18	26	16
Belgium-Luxembourg					
Metal	(b) *600	(b) *300	(d) 1 080	(b) *1 000	...
Oxides	184	202	348	475	258
Denmark					
Metal	13	18	27	24	123
France					
Metal	1 559	978	1 453	1 643	...
Oxides	415	555	578	602	...
Germany					
Metal	2 476	1 819	2 220	2 360	2 508
Oxides	447	478	621	479	346
Irish Republic					
Metal	—	408	249	140	149
Italy					
Metal	722	603	698	629	...
Oxides	510	608	655	734	...
Netherlands					
Metal	125	254	476	615	577
Oxides	270	211	212	257	244
Spain					
Metal	173	183	113	144	...
Oxides	248	362	135	437	...
Sweden					
Metal	881	510	741	1 085	816
Norway					
Metal	78	1 075	922	1 637	1 754
Oxides	335	890	912	1 018	696
Russia	*100	*100	(b) *100	(b) *500	...
Switzerland					
Metal	249	287	295	335	275
Turkey					
Oxides	72	46	34	39	46
South Africa					
Metal	114	158	1 202	580	...
Oxides	17	16	10	12	...
Canada					
Metal	1 200	546	950	1 246	...
Mexico					
Metal	124	46	53	36	...
Oxides	172	138	166	125	...
USA					
Metal	6 081	6 140	6 945	6 682	6 651
Oxide	430	444	768	808	892
Brazil					
Metal	263	355	418	358	...
Oxide	59	73	74	94	...
Venezuela					
Oxides	44	51	55	102	...
China					
Metal	768	581	435	1 052	428
Hong Kong					
Metal	1 828	1 207	1 427	1 171	1 342
Oxide	64	211	771	309	153
India (a)					
Metal	197	233	322	330	...
Indonesia					
Oxides	139	60	54	48	...
Japan					
Metal	4 387	4 107	5 809	5 548	6 662
Oxide	336	498	620	808	1 119
Korea, Republic of					
Metal	467	577	717	796	573
Oxides	120	133	121	140	172

Imports of Cobalt

Country	1992	1993	1994	1995	1996
Malaysia					
Metal	26	131	1 689	...	...
Oxides	199	43	67	64	...
Saudi Arabia					
Oxides	52	254	19	...	...
Singapore					
Metal	41	41	542	257	355
Oxide	82	101	157	159	290
Taiwan					
Metal	175	271	474	517	...
Oxides	102	178	223	244	...
Australia (c)					
Metal	35	43	...	...	...
Oxide	47	54	70	65	...

(a) Years ended 31 March following that stated

(b) BGS estimates, based on known exports from certain countries

(c) Years ended 30 June of that stated

(d) Excluding unwrought metal

Mine Production of Copper

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Finland	15 351	13 657	13 243	9 049	9 261
Portugal	152 300	150 430	130 255	129 726	107 600
Spain	10 863	6 691	5 944	24 519	37 510
Sweden	89 145	88 909	79 384	83 603	71 659
Albania	1 900	3 500	2 200	4 200	2 700
Armenia	*2 000	*1 000	*1 000	*1 000	*1 500
Bulgaria	47 400	60 400	75 500	77 400	84 800
Czechoslovakia	1 000	—	—	—	—
Georgia	*6 000	*5 000	*3 000	3 700	4 500
Macedonia	7 200	5 800	*6 000	*6 000	*13 500
Norway	12 734	8 743	7 408	6 799	7 400
Poland	332 000	382 600	378 000	384 000	422 000
Romania	24 700	25 361	26 034	24 520	24 310
Russia	680 000	594 000	573 300	525 900	523 000
Turkey	36 425	39 200	43 400	44 500	49 900
Yugoslavia, Federal Republic of	97 811	68 007	84 800	87 575	82 526
Botswana	20 413	20 132	22 780	20 461	23 299
Congo, Democratic Republic	144 300	60 000	40 642	34 958	39 647
Morocco	14 317	13 340	14 000	11 019	12 530
Namibia	31 313	29 146	26 555	22 530	14 904
South Africa	176 074	189 000	173 000	161 573	152 902
Zambia	432 600	431 500	384 400	341 900	339 700
Zimbabwe	9 673	8 187	9 350	8 045	10 100
Canada	768 582	732 591	616 776	726 293	688 893
Cuba	*1 500	*2 000	*2 000	*2 000	*2 000
Honduras	1 600	1 000	*500	390	—
Mexico	279 042	303 989	305 487	339 026	328 093
USA	1 764 756	1 801 382	1 850 000	1 850 100	1 918 400
Brazil	39 845	43 568	39 674	48 933	46 200
Chile	1 932 700	2 055 400	2 219 900	2 488 600	3 115 800
Peru	379 128	381 250	365 513	404 990	484 231
China	334 300	345 695	395 630	441 900	436 400
India	49 036	49 416	45 944	47 000	47 800
Indonesia	369 281	378 000	434 000	618 000	525 900
Iran	105 000	86 600	117 900	102 200	*107 600
Japan	12 074	10 277	6 043	2 376	1 145
Kazakhstan	*290 000	263 000	215 400	232 600	237 500
Korea, Dem. P.R. of	*12 000	*12 000	*12 000	*12 000	*12 000
Malaysia	28 556	25 182	25 267	20 751	20 219
Mongolia	105 100	96 900	120 160	121 900	124 600
Myanmar	5 000	5 200	4 800	*6 000	*6 000
Oman	13 400	8 800	4 300	—	—
Philippines	123 523	136 258	116 163	108 063	61 615
Uzbekistan	*50 000	78 000	49 000	40 000	64 000
Australia	378 000	420 000	391 000	365 000	526 000
Papua New Guinea	193 359	203 945	206 329	212 737	186 715
World total	9 600 000	9 600 000	9 600 000	10 200 000	11 000 000

Smelter Production of Copper

tonnes

Country	1992	1993	1994	1995	1996
Belgium	102 800	141 700	147 600	147 000	157 300
Finland	136 768	136 647	129 265	113 803	171 402
Germany	179 100	141 300	292 200	308 100	385 400
Spain	*137 000	*173 000	188 400	173 300	270 900
Sweden	77 804	76 298	102 700	111 100	125 000
Albania	2 300	*2 000	2 100	*3 000	1 400
Bulgaria	50 600	71 900	83 151	74 000	90 000
Czechoslovakia	25 100	—	—	—	—
Hungary	100	—	—	—	—
Norway	39 259	37 205	39 516	34 300	35 300
Poland	454 000	411 200	401 881	410 200	417 735
Romania	28 400	*25 200	23 449	23 355	32 565
Russia	651 000	533 700	514 300	512 000	*510 000
Slovakia	—	22 400	22 000	22 000	*22 000
Turkey	26 088	33 456	30 437	24 416	30 341
Yugoslavia, Federal Republic of	127 920	57 398	86 600	87 410	125 200
Congo, Democratic Republic (a)	134 000	48 400	29 300	28 800	42 200
Namibia	37 531	34 411	29 781	29 799	20 705
South Africa	158 700	156 600	158 300	154 400	148 400
Zambia (a)	420 300	367 600	276 700	304 500	262 000
Zimbabwe	22 400	18 900	18 200	17 500	*18 000
Canada	515 028	518 301	515 088	522 761	529 349
Mexico	256 110	300 710	302 626	327 563	311 264
USA	1 180 305	1 265 200	1 311 108	1 240 000	1 300 000
Brazil	156 775	161 102	170 073	164 996	172 075
Chile	1 326 500	1 389 100	1 460 400	1 666 200	1 991 300
Peru	326 617	317 211	333 017	373 297	433 500
China	418 400	443 700	482 400	538 000	615 600
India	45 500	37 000	51 200	39 500	45 300
Iran (b)	*120 000	74 844	100 440	92 613	*99 100
Japan	1 174 895	1 184 825	1 121 999	1 168 481	1 233 400
Kazakhstan	*310 000	*300 000	276 100	262 800	265 000
Korea, Dem. P.R. of	*20 000	*19 800	*20 000	*20 000	*20 000
Korea, Republic of	174 000	141 962	135 200	153 900	157 400
Oman	18 700	27 800	31 800	34 200	23 300
Philippines	168 831	212 446	200 255	206 800	178 300
Uzbekistan	74 000	64 000	57 000	50 000	66 000
Australia	200 000	247 000	257 000	140 000	186 000
World total	9 300 000	9 200 000	9 400 000	9 600 000	10 500 000

Note(s):

(1) This table shows, where possible, primary metal in the form of blister and anode produced from concentrates, but may include some secondary metal produced from scrap, residues, etc.

(a) Including leach cathodes

(b) Years ended 20 March following that stated

Production of Refined Copper

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	42 067	46 578	46 664	55 000	56 615
Austria	54 680	53 036	51 300	54 000	76 000
Belgium	367 300	378 900	375 200	376 000	354 000
Finland	71 352	73 373	69 187	73 665	110 725
France	43 200	44 120	41 730	42 500	39 100
Germany	581 400	631 900	591 860	616 390	670 700
Italy	76 000	90 300	84 000	98 000	85 800
Spain	179 117	179 230	188 307	164 213	264 000
Sweden	101 634	99 077	102 675	105 142	126 379
Albania	1 200	1 000	2 100	3 000	1 500
Bulgaria	18 008	26 347	26 482	25 468	22 300
Czechoslovakia	25 000	—	—	—	—
Hungary	4 100	—	—	—	—
Norway	39 259	37 205	39 415	34 300	33 900
Poland	387 010	404 170	405 093	406 708	424 708
Romania	*26 500	26 300	25 600	22 013	28 323
Russia	575 400	562 200	502 200	559 800	577 100
Slovakia	—	23 200	23 000	*20 000	*23 000
Turkey	100 100	92 700	83 000	98 500	100 712
Yugoslavia, Federal Republic of	114 763	51 000	72 100	78 451	104 000
Congo, Democratic Republic	57 200	*40 000	29 300	33 088	42 200
Egypt	*4 000	*4 000	*4 000	*4 000	*4 000
South Africa	120 100	127 900	129 600	131 700	116 000
Zambia	441 554	403 448	360 384	307 181	330 000
Zimbabwe	22 400	18 900	18 200	24 000	22 000
Canada	539 302	561 580	549 869	572 616	559 185
Mexico	203 006	187 920	216 198	255 983	249 470
USA	2 143 815	2 252 487	2 230 000	2 279 800	2 340 800
Argentina	*16 000	*15 000	*16 000	*16 000	*16 000
Brazil	156 775	161 102	170 073	164 996	172 075
Chile	1 242 300	1 268 200	1 277 400	1 491 500	1 748 200
Peru	251 141	259 700	252 997	281 957	341 950
China	659 200	730 332	736 106	1 079 700	1 120 500
India	45 255	36 815	49 034	39 569	39 303
Iran (a)	101 800	101 479	133 149	121 631	...
Japan	1 160 859	1 188 776	1 119 168	1 187 959	1 251 373
Kazakhstan	*340 000	*330 000	278 461	255 559	263 300
Korea, Dem. P.R. of	*28 000	*20 000	*30 000	*30 000	*30 000
Korea, Republic of	209 757	219 519	221 977	233 171	244 434
Oman	11 383	20 500	24 200	22 000	23 300
Philippines	145 674	165 954	154 713	158 109	155 800
Uzbekistan	*70 000	65 000	90 000	*80 000	*70 000
Australia	316 000	333 000	335 900	295 000	338 000
World total	11 100 000	11 300 000	11 200 000	11 900 000	12 700 000

Note(s):

(1) Figures relate to both primary and secondary refined copper, whether electrolytic or fire refined. Metal recovered from secondary materials by remelting alone is excluded

(a) Years ended 20 March following that stated

Exports of Copper

Country	1992	1993	1994	1995	1996
United Kingdom					
Ore & matte	150	68	416	726	1 072
Unwrought	4 908	3 566	20 363	5 848	6 897
Unwrought alloys	24 261	22 863	24 575	25 617	25 147
Scrap	117 398	109 180	120 566	113 567	114 752
Austria					
Unwrought	46 773	56 732	59 859	77 921	73 521
Unwrought alloys	3 885	4 304	5 134	5 464	6 312
Scrap	26 929	17 458	21 289	18 150	27 171
Belgium-Luxembourg					
Unwrought	186 979	238 067	170 727	201 477	147 725
Unwrought alloys	8 097	6 821	11 636	9 443	8 141
Scrap	51 508	53 334	56 609	56 744	60 157
Denmark					
Unwrought	238	99	75	49	92
Scrap	28 040	39 527	41 510	52 169	31 610
Finland					
Ore	9 759	—	—	—	—
Unwrought					
Unrefined	37 999	32 524	27 182	13 458	35 101
Refined	19 227	21 913	20 649	24 873	36 023
Alloys	1 223	529	405	678	...
Scrap	20 382	23 473	16 297	22 951	...
France					
Ore	539	368	2	2 194	...
Matte & cement	94	544	5 752	4 762	...
Unwrought					
Unrefined	4 964	262	2 237	3 216	505
Refined	15 391	23 454	19 514	12 640	16 070
Alloys	11 891	10 225	8 707	11 222	...
Scrap	164 269	153 237	160 357	141 999	...
Germany					
Ore	8 285	3 127	67	22 031	14 898
Matte & cement	49	225	795	957	776
Unwrought					
Unrefined	99	45	1 105	556	532
Refined	59 521	89 966	152 393	135 134	246 759
Alloys	26 925	18 751	22 344	23 410	21 905
Scrap	231 537	195 281	214 076	263 687	248 568
Greece					
Unwrought	1 515	22	192	344	...
Scrap	3 111	2 928	7 014	7 512	...
Irish Republic					
Scrap	8 554	9 329	10 101	9 795	9 202
Italy					
Matte & cement	542	254	131	2 073	...
Unwrought	3 854	3 636	7 571	12 668	9 674
Unwrought alloys	6 189	6 081	8 383	10 100	9 194
Scrap	24 796	20 977	34 664	43 829	...
Netherlands					
Unwrought	729	1 108	1 449	1 616	3 852
Unwrought alloys	11 592	7 124	12 273	13 728	9 086
Scrap	138 415	115 262	111 298	135 850	104 176
Portugal					
Ore	696 987	666 408	555 026	517 892	492 279
Scrap	12 994	13 658	11 500	9 300	9 222
Spain					
Ore	27 604	22 911	17 574	43 185	...
Matte & cement	614	14	126	—	...
Unwrought	68 165	79 543	69 584	43 053	113 591
Unwrought alloys	1 961	4 193	4 184	4 474	...
Scrap	43 086	34 165	32 691	37 148	...
Sweden					
Ore	92 711	102 013	68 271	58 040	42 150
Unwrought					
Unrefined	10 605	5 093	1 298	6 084	...
Refined	27 848	14 377	12 783	9 750	26 625
Alloys	2 361	4 430	5 187	4 910	5 951
Scrap	32 526	25 340	20 517	18 033	17 996

Exports of Copper

tonnes

Country	1992	1993	1994	1995	1996
Belarus					
Unwrought (f)	*5 000	*6 700	*7 400	*4 000	...
Scrap (f)	*6 100	*4 300	*5 200	*2 700	...
Bulgaria					
Ore (f)	*44 000	*66 800	*87 000	*46 000	...
Unwrought (f)	*34 000	*43 000	*81 000	*32 000	...
Scrap	9 800	6 500	6 100	...	...
Croatia					
Scrap	44 902	3 642	3 300	5 505	5 298
Czechoslovakia					
Unwrought (f)	*18 400	—	—	—	—
Scrap (f)	*36 100	—	—	—	—
Czech Republic					
Unwrought	—	(f) *5 700	7 705	4 900	...
Scrap	—	28 300	25 600	24 100	...
Estonia					
Unwrought	1 200	2 900	(f) *900	...	...
Scrap (f)	*41 000	*22 200	*3 100	*8 300	...
Hungary					
Unwrought	6 338	3 173	1 800	...	...
Scrap	17 420	14 894	17 834	22 125	13 233
Latvia					
Unwrought (f)	*1 500	*4 000	*4 700	*3 900	...
Scrap (f)	*22 400	*23 500	*11 600	*18 000	...
Lithuania					
Unwrought	(c) (f) *13 800	(c) (f) *7 400	(c) (f) *5 100	955	...
Scrap	(c) (f) *49 000	(c) (f) *14 300	(c) (f) *8 600	—	...
Macedonia					
Unwrought	...	18 227	(f) *24 900	(f) *14 600	...
Moldova					
Scrap	(f) *800	(f) *3 700	(f) *4 700	11 515	...
Norway					
Ore	57 546	44 319	32 413	32 970	35 024
Unwrought	40 027	37 092	41 691	35 493	35 183
Scrap	13 337	9 420	8 800	12 535	10 998
Poland					
Ores & concentrates	—	15 510	1 455	3	8
Matte & cement	383	710	54	944	...
Unwrought	261 752	260 998	254 672	193 926	200 005
Unwrought alloys	5 185	5 326	9 758	7 762	...
Scrap	52 294	12 731	1 902	548	1 739
Romania					
Unwrought	1 505	7 462	5 685	6 504	13 254
Scrap	(f) *50	265	—	16	107
Russia					
Ore	44 936	90 563	93 484	151 946	56 779
Matte & cement	10 003	2 000	(f) *2 800	...	...
Unwrought	188 216	163 766	451 000	467 000	524 000
Scrap	7 298	15 635	2 956	20 033	954 541
Slovakia					
Unwrought	—	18 200	8 300	(f) *1 200	...
Scrap (f)	—	*600	*2 700	*3 000	...
Switzerland					
Unwrought					
Refined	724	2 028	1 012	79	14
Alloys	6 972	4 208	4 420	3 918	4 755
Scrap	26 134	31 058	37 760	42 761	43 626
Turkey					
Ore	46 248	81 475	41 233	83 834	121 985
Unwrought	9 181	16 257	5 106	3 797	10 018
Ukraine					
Unwrought (f)	*17 200	*8 700	*9 700	*5 200	...
Scrap	(f) *3 400	4 112	5 128	(f) *13 700	...
Algeria					
Scrap	11 400	4 300	1 900	*1 500	...
Botswana					
Matte (b)	18 600	21 600	20 200	17 900	...

Exports of Copper

tonnes

Country	1992	1993	1994	1995	1996
Congo, Democratic Republic					
Ores & concentrates	*18 000	—	—	—	...
Unwrought					
Unrefined (e)	59 924	44 400	*35 000	*20 000	...
Refined	*62 000	28 300	13 700	4 500	17 200
Morocco					
Ore	45 867	44 342	41 831	...	...
Matte	2 100	1 703	2 226	...	...
Scrap	11 120	6 900	6 600	7 200	...
Namibia					
Unwrought	34 109	30 193	26 226	25 074	18 306
Senegal					
Scrap	596	...	...	...	...
South Africa					
Ores & concentrates (b)	21 088	7 603	4 866	7 627	...
Unwrought	92 100	88 566	76 361	71 598	69 478
Scrap (f)	*12 600	*29 900	*24 800	*26 400	...
Tunisia					
Scrap	1 370	4 100	3 847	4 000	...
Uganda					
Unwrought, unrefined	160	220	1 546	1 286	...
Zambia					
Unwrought, refined	411 892	436 522	360 657	291 900	...
Zimbabwe					
Unwrought	8 555	13 616	10 314	7 498	...
Canada					
Ores & concentrates (b)	317 066	295 079	218 347	260 977	386 200
Matte & cement (b)	20 060	10 743	19 205	13 480	18 315
Unwrought	385 849	408 605	388 843	471 897	465 742
Scrap	101 975	115 529	110 673	120 509	112 491
Cuba					
Concentrates (b)	2 000	1 400	2 900	1 200	...
Scrap (a)	1 585	1 120	1 864	4 317	4 500
Mexico					
Concentrates	56 537	83	8 083	31 653	49 600
Matte & cement	5 879	10 063	19 023	5 238	...
Unwrought	82 816	162 021	138 304	186 732	174 600
Scrap	28 376	35 167	47 665	82 363	53 400
USA					
Ores & concentrates (b)	251 857	217 337	250 456	228 092	185 219
Unwrought					
Unrefined	16 714	10 849	13 311	29 521	22 973
Refined	186 932	218 580	157 744	217 419	178 167
Alloys	9 379	23 855	18 013	16 246	19 017
Scrap	244 548	260 772	360 297	552 985	400 413
Brazil					
Unwrought, refined	79 716	79 976	55 906	58 423	41 819
Chile					
Ores & concentrates (b)	630 900	654 000	687 700	815 200	1 123 400
Unwrought					
Unrefined	127 000	139 600	198 100	178 200	226 900
Refined	1 178 000	1 189 100	1 193 300	1 400 600	1 603 600
Scrap	400	600	2 400	1 600	...
Colombia					
Ore	6 953	5 076	3 003	5 355	...
Peru					
Ore (f)	*160 700	*77 200	*195 700	*164 500	...
Unwrought					
Unrefined	88 717	92 888	98 023	89 390	83 247
Refined	214 506	217 514	218 260	251 857	320 102
Venezuela					
Scrap	10 399	13 543	13 911	13 925	...
China					
Unwrought	12 320	6 439	16 306	43 047	53 003
Scrap	23 114	18 037	15 860	19 032	8 024

Copper

Exports of Copper

tonnes

Country	1992	1993	1994	1995	1996
Cyprus					
Cement copper	300	440	—	—	—
Scrap	92 544	960	399 394	33 336	20 366
of which: Re-exports	92 544	960	380 644	19 916	20 366
Hong Kong					
Unwrought	44 638	40 995	20 036	32 786	54 598
of which: Re-exports	44 523	40 912	19 970	32 642	54 296
Scrap	209 817	181 792	167 528	306 390	293 945
of which: Re-exports	94 781	92 619	89 626	205 673	200 620
India (g)					
Ores & concentrates	—	7 972	6 599	3 475	...
Indonesia					
Ores & concentrates	965 911	922 508	1 075 634	1 412 057	2 028 674
Iran					
Ores & concentrates (h)	8 000	26 000	42 408	...	...
Unwrought (f)	*36 100	*53 300	*18 900	...	...
Scrap (f)	*4 500	*2 500	*1 300	...	...
Israel					
Scrap	2 696	5 974	9 013	(f) *10 600	...
Japan					
Unwrought	111 970	171 376	124 843	166 332	*175 000
Scrap	24 451	19 975	39 868	51 887	60 136
Jordan					
Scrap	2 866	2 034	2 157	2 800	...
Kazakhstan					
Ores & concentrates	5 956	5 543	...	2 391	...
Unwrought	105 661	114 773	122 489	216 602	261 625
Korea, Republic of					
Unwrought	13 813	6 599	7 254	4 592	8 643
Scrap	11 262	4 520	8 005	14 369	13 210
Kyrgyzstan					
Scrap (f)	*500	*2 500	*15 400	*31 100	...
Malaysia					
Ore	104 378	108 353	96 801	88 178	...
Scrap	19 488	16 159	50 780	51 100	...
Mongolia					
Ores & concentrates (b)	*105 100	*96 900	*99 600	*120 200	*124 600
Myanmar (g)					
Ores & concentrates	17 230	...	...	...	...
Oman					
Unwrought	12 399	20 326	23 000	24 800	20 400
Scrap	75 000	75 100	79 600	...	...
Pakistan (d)					
Scrap	409	36 926	35 341	...	...
Philippines					
Ores & concentrates	350 326	370 789	347 414	314 088	...
Unwrought	98 056	136 920	145 464	140 330	...
Scrap	26 839	29 772	9 734	16 076	...
Saudi Arabia					
Unwrought	1 298	...	62 840	...	...
Scrap	8 838	9 900	1 475	...	...
Singapore					
Unwrought	94 067	87 778	97 835	199 112	197 161
of which: Re-exports	83 788	87 251	96 354	197 224	195 067
Scrap	43 014	43 107	47 892	59 111	65 453
Taiwan					
Unwrought	7 725	8 436	6 942	6 870	4 620
Scrap	22 614	19 139	27 785	30 202	20 916
Uzbekistan					
Unwrought (f)	*1 800	*1 700	*2 700	*6 000	...
Australia					
Ores & concentrates	271 400	396 600	435 000	391 000	788 000
Matte & cement (d)	3 289	4 127	...	...	...
Unwrought					
Unrefined	11 328	10 115	5 817	17	40
Refined	178 100	156 400	176 000	106 000	118 000
Alloys (d)	1 328	2 357	...	...	...
Scrap (d)	17 282	16 785	23 600	37 000	...

Exports of Copper

Country	1992	1993	1994	1995	1996
New Zealand (d)					
Unwrought	170	62	628	175	32
Scrap	2 942	2 148	1 402	2 482	2 415
Papua New Guinea					
Ores & concentrates (b)	171 216	203 184	206 368	227 856	188 400

Note(s):

- (1) In this table the term 'unwrought' copper corresponds to item 682.1 of the Standard International Trade Classification (Revision 3) and includes both unrefined (including blister) and refined copper
- (2) The term 'unwrought' as used here includes alloys unless these are separately specified. The term 'scrap' includes scrap alloys

- (a) Imports into the Netherlands
- (b) Cu content
- (c) Is likely to include re-exports
- (d) Years ended 30 June of that stated
- (e) Including leach cathodes
- (f) BGS estimates, based on known imports into certain countries
- (g) Years ended 31 March following that stated
- (h) Years ended 20 March following that stated

Imports of Copper

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ore & matte	2 123	196	76	373	379
Unwrought					
Unrefined	8 094	10 273	9 525	6 469	6 601
Refined	278 223	378 614	259 132	268 310	327 835
Alloys	2 195	4 815	1 645	3 106	3 616
Scrap	23 220	27 389	27 039	40 943	47 925
Austria					
Unwrought					
Unrefined	6 172	3 443	6 626	3 434	7 962
Refined	8 803	14 066	31 862	34 275	34 438
Alloys	2 890	2 400	2 350	7 336	5 993
Scrap	63 642	42 310	62 053	66 519	55 765
Belgium-Luxembourg					
Ore	322	6 885	1 643	10 615	...
Unwrought					
Unrefined	171 100	163 505	147 603	130 563	123 023
Refined	194 236	149 604	169 038	106 247	75 526
Alloys	9 352	8 072	6 266	7 070	6 330
Scrap	208 722	169 222	196 638	202 849	176 683
Denmark					
Unwrought	1 532	1 761	1 885	1 892	2 057
Scrap	21 183	26 651	13 363	10 351	8 243
Finland					
Ore	318 940	324 384	292 784	293 676	506 751
Unwrought					
Refined	9 656	18 459	34 262	39 497	20 503
Alloys	1 267	2 611	4 120	4 304	...
Scrap	40 684	29 063	9 790	20 228	...
France					
Matte & cement	854	460	1 530	2 974	...
Unwrought					
Unrefined	15 707	13 656	5 993	4 214	9 067
Refined	444 410	438 249	462 694	494 447	455 948
Alloys	5 363	6 310	10 524	17 607	...
Scrap	75 288	64 172	77 228	90 991	...
Germany					
Ore	576 813	506 447	652 833	663 299	689 055
Matte & cement	22 787	7 721	12 728	9 571	12 002
Unwrought					
Unrefined	56 048	67 954	84 797	49 644	81 345
Refined	532 522	496 751	523 105	546 899	450 441
Alloys	67 984	33 957	44 316	45 100	42 407
Scrap	452 555	360 125	411 367	442 442	427 249
Greece					
Unwrought	49 571	66 900	61 585	79 064	...
Unwrought alloys	1 331	1 251	746	894	...
Scrap	809	263	293	1 322	...
Irish Republic					
Unwrought	160	563	234	236	385
Scrap	335	630	999	468	300
Italy					
Unwrought					
Unrefined	1 943	2 366	6 314	14 290	25 112
Refined	435 668	402 739	396 630	405 950	437 612
Alloys	30 181	18 887	26 367	31 374	25 630
Scrap	210 634	180 429	237 565	205 979	374 847
Netherlands					
Unwrought	18 835	16 655	33 871	35 788	37 515
Unwrought alloys	1 912	1 056	843	1 318	1 547
Scrap	108 765	94 793	103 876	110 571	95 804
Portugal					
Unwrought	22 889	12 977	6 227	200	4 087
Scrap	207	649	400	100	710

Imports of Copper

Country	1992	1993	1994	1995	1996
Spain					
Ore	412 428	476 001	520 196	442 689	736 576
Matte & cement	377	60	—	92	4
Unwrought					
Unrefined	24 981	30 203	23 636	30 916	13 958
Refined	28 344	34 794	19 290	26 535	21 226
Alloys	3 769	4 794	5 713	6 742	...
Scrap	30 219	42 364	43 201	58 104	...
Sweden					
Ore	62 860	37 501	38 109	72 264	85 258
Unwrought	49 218	54 615	53 140	66 143	45 300
Unwrought alloys	4 284	3 360	4 839	3 317	4 914
Scrap	22 647	23 800	31 769	33 879	29 025
Bulgaria					
Ores & concentrates	57 000	...	79 800	(a) *41 000	...
Unwrought	12 500	(a) *6 200	8 800	...	...
Czechoslovakia					
Unwrought	13 561	—	—	—	—
Czech Republic					
Unwrought	—	10 895	10 003	13 500	...
Hungary					
Unwrought	15 320	17 533	18 872	...	...
Scrap	3 636	2 805	2 049	4 001	2 914
Norway					
Unwrought	97	100	220	545	161
Unwrought alloys	3 155	2 513	2 412	2 720	2 994
Scrap	3 664	6 290	5 838	4 743	5 777
Poland					
Ores & concentrates	7	0	10	14 790	10 807
Unwrought	300	8 458	1 222	3 151	...
Scrap	731	1 290	576	1 162	...
Romania					
Ores & concentrates	—	—	—	18 885	35 902
Unwrought	1 075	694	281	2 101	4 628
Russia					
Ore	202 032	116 518	76 778	202 032	214 673
Slovakia					
Unwrought (a)	—	*400	*6 700	...	...
Switzerland					
Unwrought					
Refined	5 445	5 158	6 235	5 188	4 788
Alloys	1 536	1 764	1 753	1 688	1 112
Scrap	11 003	9 381	11 515	13 243	14 493
Turkey					
Unwrought	38 805	70 802	58 900	63 676	79 546
Scrap	2 486	1 544	1 630	7 539	20 536
Yugoslavia, Federal Republic of					
Unwrought	7 164	2 300	2 300	1 100	...
Algeria					
Unwrought	1 046	...	1 217	...	...
Morocco					
Unwrought	661	578	809	...	...
Scrap	6 772	2 800	400	...	...
Namibia					
Ores & concentrates (d)	1 447	917	4 516	3 903	990
South Africa					
Ores & concentrates	8	742	4 710	94	...
Matte & cement	8 169	3 095	3 018	—	...
Unwrought	162	391	954	3 944	...
Unwrought alloys	541	286	237	293	...
Scrap	8 583	8 562	4 410	5 600	...
Tunisia					
Unwrought	1 212	1 471	1 551	...	...
Zambia					
Ores & concentrates (d)	9 450	21 424	13 786	42 100	...

Copper

Imports of Copper

tonnes

Country	1992	1993	1994	1995	1996
Canada					
Ores & concentrates (d)	96 363	132 716	180 882	148 638	134 825
Unwrought	30 098	30 028	34 083	59 402	46 206
Unwrought alloys	3 379	2 474	2 770	8 556	5 364
Scrap	42 182	53 711	98 452	167 236	153 322
Cuba					
Unwrought	3 000	3 000	...	...	...
Mexico					
Ores & concentrates	12 259	42 858	44 301	22 004	...
Unwrought	33 634	46 494	40 052	19 181	...
Scrap	3 877	6 439	6 147	15 253	...
USA					
Ores & concentrates (d)	102 762	53 887	82 612	129 663	62 718
Matte (d)	6 116	1 242	79	907	754
Unwrought					
Unrefined	119 189	141 862	119 014	152 036	106 661
Refined	288 827	349 930	467 187	436 305	621 903
Alloys	12 975	11 888	16 461	14 575	17 415
Scrap	168 643	199 809	86 461	88 334	90 828
Argentina					
Unwrought, refined	40 667	40 334	40 224	31 668	32 200
Brazil					
Ores & concentrates	414 517	393 605	433 968	394 034	532 000
Unwrought	80 513	67 239	67 079	91 329	102 872
Scrap	2 178	3 081	7 491	21 145	4 985
Colombia					
Unwrought	858	1 024	697	1 246	...
Venezuela					
Unwrought					
Refined	18 643	13 762	14 123	22 600	16 700
Alloys	665	403	169	407	...
China					
Ores & concentrates	340 093	241 134	248 708	484 280	824 810
Unwrought	378 996	362 396	121 407	187 505	290 941
Scrap	491 411	568 642	773 856	1 188 926	710 983
Hong Kong					
Unwrought	56 195	55 046	23 266	51 263	91 546
Scrap	201 487	163 225	158 762	340 704	355 475
India (b)					
Unwrought	52 431	88 960	84 761	83 663	...
Scrap	51 470	97 784	85 070	110 931	...
Indonesia					
Unwrought	51 812	48 432	87 995	86 932	105 448
Unwrought alloys	3 914	1 847	2 923	2 026	...
Scrap	2 634	4 634	2 629	2 158	...
Japan					
Ores & concentrates	3 469 611	3 740 807	3 457 054	3 825 212	3 840 935
Matte & cement	90	401	1 945	3 294	7 065
Unwrought	400 657	403 463	402 723	410 620	366 103
Unwrought alloys	7 812	12 953	9 662	9 195	6 026
Scrap	97 672	142 887	156 367	153 102	145 783
Korea, Republic of					
Ore	244 173	571 187	426 421	468 714	347 994
Matte & cement	1 972	2 746	2 448	—	0
Unwrought	222 515	258 871	351 783	406 806	390 781
Scrap	156 562	132 209	123 278	151 409	111 575
Kuwait					
Unwrought	4 552	9 928	10 673	9 223	...
Malaysia					
Unwrought	80 187	94 466	110 244	113 600	143 900
Pakistan (c)					
Unwrought	3 804	4 220	4 386	...	...
Scrap	4 679	3 660	3 476	...	...
Philippines					
Concentrates	270 552	371 318	420 862	499 073	446 600
Unwrought	9 958	20 457	28 407	16 880	16 200

Imports of Copper

Country	1992	1993	1994	1995	1996
Saudi Arabia					
Unwrought	57 962	58 443	88 749	95 000	67 000
Singapore					
Unwrought	135 979	106 684	93 805	261 525	196 244
Scrap	18 720	16 480	16 178	21 770	27 437
Taiwan					
Ores & concentrates	400	0	—	0	...
Unwrought	431 270	489 173	558 851	579 635	556 351
Scrap	23 819	16 769	15 424	26 150	34 736
Thailand					
Unwrought	91 319	122 544	177 013	154 091	...
Scrap	5 104	6 106	1 686	3 007	...
Australia					
Ores & concentrates (c)	14 206	45 354	...	...	...
Unwrought	500	200	11 900	27 700	17 000
Scrap (c)	4 485	3 210	...	...	...
New Zealand (c)					
Unwrought	3 973	5 234	6 090	10 924	...

Note(s):

- (1) In this table the term 'unwrought' copper corresponds to item 682.1 of the Standard International Trade Classification (Revision 3) and includes both unrefined (including blister) and refined copper
 - (2) The term 'unwrought' as used here includes alloys unless these are separately specified. The term 'scrap' includes scrap alloys
- (a) BGS estimates, based on known exports from certain countries
 (b) Years ended 31 March following that stated
 (c) Years ended 30 June of that stated
 (d) Cu content

Production of Diamond

carats

Country	1992	1993	1994	1995	1996
Russia	18 000 000	16 000 000	17 000 000	18 000 000	18 500 000
Angola	1 219 890	151 471	300 000	300 000	3 700 000
Botswana	15 946 000	14 730 000	15 550 000	16 802 438	17 707 000
Central African Republic	414 277	599 707	627 883	607 684	*530 000
Congo, Democratic Republic	13 501 450	15 626 000	16 259 000	22 024 000	*22 240 000
Ghana	694 029	590 821	739 969	631 708	714 738
Guinea (b)	152 653	167 011	381 464	364 841	204 601
Ivory Coast (a)	*15 000	*15 000	*84 400	*75 300	*75 000
Liberia	*150 000	*150 000	*100 000	*150 000	*150 000
Namibia	1 549 260	1 141 352	1 312 348	1 381 757	1 402 129
Sierra Leone	344 082	200 300	255 000	213 821	270 092
South Africa	10 177 283	10 324 025	10 853 653	9 682 744	9 886 748
Swaziland	50 547	61 686	76 100	75 000	*70 000
Tanzania	67 304	40 847	17 177	49 538	126 670
Zimbabwe	40 654	43 850	173 588	204 416	437 503
Brazil	1 285 402	*1 000 000	*300 000	676 269	*700 000
Guyana	45 967	51 539	37 957	55 498	49 000
Venezuela	486 935	410 750	558 448	292 952	...
China	*1 000 000	*1 080 000	*1 080 000	*1 130 000	*1 130 000
India	*18 000	19 228	26 265	*22 000	*32 000
Indonesia	*27 000	*27 000	*28 000	*29 000	*29 000
Australia	40 172 000	41 883 000	43 789 000	40 693 000	41 993 000
World total	105 400 000	104 300 000	109 600 000	113 500 000	120 200 000

Note(s):

(1) This table does not show production of synthetic diamond

(a) Excluding artisanal production smuggled out of the country

(b) Including artisanal production

Exports of Diamond

carats

Country	1992	1993	1994	1995	1996
United Kingdom					
Rough	33 130 647	58 187 659	38 125 581	56 399 794	76 583 316
Cut	135 153	174 052	1 703 400	212 168	748 971
Industrial	7 594 918	4 123 611	8 413 438	12 131 021	25 222 305
Dust	16 277 700	19 201 420	29 582 380	34 254 440	42 536 350
Austria					
Industrial	435 000	100 000	275 000	2 015	1 543
Other	45 000	30 000	95 000	6 526	42 194
Belgium-Luxembourg					
Rough	68 624 367	84 245 755	79 292 864	99 137 000	...
Cut	4 661 404	5 267 466	5 651 790	7 641 000	...
Industrial	11 289 033	9 965 023	7 682 865	10 677 000	...
Dust	15 582 490	18 281 675	23 813 690	35 000 000	...
Finland					
Industrial	...	80 000	...	0	...
Other	5 000	25 000	10 000	142	...
France					
Rough	11 448	6 683	153	...	...
Cut	24 311	29 549	35 862	26 288	...
Industrial	30 533	37 519	26 843	...	...
Dust	1 751 985	607 447	22 233 995	3 883 870	...
Germany					
Industrial	96 221	188 635	1 263 256	91 318	63 783
Dust	22 855 000	38 515 000	68 190 000	76 790 000	89 060 000
Other	155 686	136 070	129 623	240 872	150 199
Irish Republic					
Industrial	7 865 000	1 375 000	16 175 000	5 010 000	11 775 000
Italy					
Industrial	50 573	52 677	19 879	...	...
Dust	1 965 000	4 125 000	3 930 000	...	...
Other	635 569	100 684	29 898	...	...
Netherlands					
Rough	156 990	82 070	12 776	10 347	...
Cut	61 062	75 500	35 416	5 550	...
Industrial	107 506	171 707	238 589	863	...
Dust	281 005	525 735	625 000	765 000	...
Portugal	£40 292 000	£46 044 000	...	...	...
Spain					
Industrial	108 165	214 143	719	376	...
Other	920	3 248	5 320	2 760	...
Sweden					
Industrial	£32 000	£53 000	£83 000	£23 000	...
Other	£1 200 000	£749 000	£526 000	£92 000	£186 000
Malta	£429 000	£29 000	—	...	...
Romania	...	614 521	688 142	1 651 790	4 064 080
Russia	8 496 000	11 303 000	26 400 000	40 400 000	...
Switzerland					
Industrial	10 000	15 000	1 345 000	185 000	13 000
Dust	28 560 000	35 840 000	39 265 000	44 750 000	60 770 000
Other	5 650 000	6 350 000	5 095 000	4 730 000	4 935 000
Central African Republic					
Gem	311 684	390 137	531 992	481 448	...
Industrial	102 245	104 785	95 957	126 236	...
Guinea	195 066	220 190	381 464	364 841	200 664
Mauritius	£12 001 100	£17 736 400	...	...	...
Namibia	1 326 114	1 314 018	1 130 768	1 569 228	1 486 457
Sierra Leone	313 300	155 500	220 800	213 600	...
South Africa (c)	£1 175 759 000	£1 932 457 000	£1 763 497 000	...	...
Tunisia					
Industrial	...	...	125 000	...	...

Exports of Diamond

carats

Country	1992	1993	1994	1995	1996
Canada					
Cut	38 460	28 834	43 986	42 325	47 076
of which: Re-exports	26 117	21 551	25 866	28 331	19 841
Industrial	44 890	15 857	62 115	41 896	82 104
of which: Re-exports	25 172	15 745	42 732	18 437	21 834
Dust	5 878 169	504 994	1 030 164	545 341	144 333
of which: Re-exports	5 449 978	382 776	835 589	374 217	36 842
USA					
Rough	3 028 999	2 104 875	1 657 178	1 235 978	1 194 692
of which: Re-exports	2 361 803	1 843 940	1 509 514	1 066 637	1 086 086
Cut	916 185	1 156 816	1 317 499	2 140 525	1 929 108
of which: Re-exports	643 264	1 025 667	1 087 150	1 982 098	1 853 409
Industrial	6 197 790	3 873 248	4 789 250	5 794 434	3 927 204
of which: Re-exports	3 043 249	2 656 117	4 132 599	5 003 881	2 958 963
Dust	2 957 464	2 984 714	2 743 860	4 105 161	4 592 212
of which: Re-exports	1 201 707	322 087	234 621	160 088	46 329
Brazil					
Rough	150 662	186 349	30 479	47 431	...
Gem	22 662	40 147	88 903	59 289	...
China					
Industrial	1 436 035	8 096 650	9 589 490	5 420 000	3 185 000
Other	309 100	409 415	435 205	525 000	605 000
Hong Kong					
Rough (b)	1 217 168	826 532	2 045 003	1 104 799	1 223 601
Cut	1 607 064	1 664 653	2 017 780	2 069 739	2 202 611
of which: Re-exports	1 597 460	1 643 536	1 997 075	2 011 831	2 166 337
Industrial (b)	132 319	35 419	2 199 571	2 438 035	1 322 837
India (a)					
Gem	10 252 715	13 499 544	15 361 520	18 582 073	...
Israel					
Industrial	£1 053 000	£928 000	£3 653 000	...	...
Other	£2 070 402 000	£2 689 837 000	£3 194 183 000	...	...
Japan					
Industrial	1 366 694	1 165 273	2 144 122	1 646 253	1 932 442
Dust	6 270 220	9 100 802	8 504 300	10 886 046	12 007 423
Other	53 170	51 418	5 720	2 726	1 402
Korea, Republic of	306 140	12 600	50 000	...	15 656
Malaysia					
Cut	£43 372 000	£51 883 000	£55 532 000	...	...
Other	£1 294 000	£696 000	£1 640 000	...	...
Singapore					
Rough	—	£42 000	£36 000	£19 000	£91 000
of which: Re-exports	—	£42 000	—	—	—
Cut	£45 626 000	£32 254 000	£32 393 000	£70 073 000	£143 214 000
of which: Re-exports	£44 467 000	£30 861 000	£31 732 000	£67 414 000	£136 831 000
Industrial	£11 336 000	£56 302 000	£46 187 000	£29 232 000	£19 061 000
of which: Re-exports	£11 259 000	£54 103 000	£46 044 000	£25 350 000	£18 377 000
Sri Lanka					
Industrial	14 981	144 043	18 886	17 835	...
Other	288 173	3 002 380	417 783	492 253	...
Taiwan					
Industrial	2 185 000	7 725 000	2 115 000	8 800 000	...
Dust	43 245 000	18 625 000	11 950 000	8 720 000	...
Other	150 000	30 000	165 000	790 000	...
Thailand					
Industrial	24 884	275 879	36 629	39 856	...
Other	3 897 290	12 490 873	2 651 973	2 294 141	...
Australia					
Rough	...	32 009 000	33 633 000	32 245 000	36 869 000
Gem	954 000	668 000	3 022 000	31 000	28 000
Industrial	198 000	167 000	174 000	64 000	60 000

Exports of Diamond

carats

Country	1992	1993	1994	1995	1996
New Zealand (d)					
Cut	£431 000	£704 000	£199 000	£320 000	£308 000
of which: Re-exports	£382 000	£700 000	£199 000	£320 000	£308 000

Note(s):

- (1) Carats have been used as the unit in this table except where the only obtainable figure is the value. In these cases the national currency figure has been converted to £ sterling
- (2) See explanatory notes at the front of the volume regarding currency conversion
- (a) Years ended 31 March following that stated
- (b) Re-exports
- (c) Values shown are for the common customs area
- (d) Years ended 30 June of that stated

Diamond

Imports of Diamond

carats

Country	1992	1993	1994	1995	1996
United Kingdom					
Rough	£1 642 713 000	£2 254 268 000	£2 354 155 000	£2 522 195 000	£2 860 273 000
Cut	£160 509 000	£210 842 000	£276 281 000	£293 303 000	£389 981 000
Industrial	£10 423 189	£252 033 000	£14 425 000	£11 846 000	£13 750 000
Dust	£11 055 000	£13 280 000	£15 521 000	£13 454 000	£11 875 000
Austria					
Industrial	2 010 000	235 000	250 000	5 400	16 718
Dust	6 965 000	8 070 000	11 975 000	11 825 000	12 430 000
Other	625 000	175 000	185 000	102 310	57 684
Belgium-Luxembourg					
Rough	65 094 082	85 548 262	64 277 548	95 735 000	...
Cut	4 247 970	5 058 935	5 282 850	5 922 000	...
Industrial	24 452 829	25 704 141	17 746 248	17 018 000	...
Dust	23 046 525	28 681 045	35 405 820	90 000 000	...
Finland					
Industrial	140 000	70 000	25 000	3 572	...
Other	5 000	20 000	15 000	10 614	...
France					
Rough	18 591	667 011	23 970	...	...
Cut	199 890	216 759	241 319	274 686	...
Industrial	185 234	223 899	119 955	...	...
Dust	8 597 390	2 680 487	14 090 090	38 245 430	...
Germany					
Rough	4 927	702	—	24	573
Cut	463 672	426 688	464 196	537 999	527 129
Industrial	936 707	560 512	2 324 416	591 619	470 303
Dust	46 460 000	44 190 000	60 695 000	84 465 000	74 230 000
Greece					
Industrial	12 000	60 000	...	...	...
Dust	3 605 000	...	...	...	...
Other	16 386	960 000	...	...	...
Irish Republic					
Industrial	12 835 000	122 745 000	119 645 000	124 525 000	53 580 000
Dust	4 250 000	4 400 000	...	...	...
Other	2 250 000	6 310 000	59 600 000	9 530 000	9 515 000
Italy					
Industrial	237 651	425 397	626 054	...	...
Dust	111 325 000	43 895 000	50 985 000	...	...
Other	876 095	342 120	339 429	...	...
Netherlands					
Rough	78 790	42 475	18 269	16 755	...
Cut	86 757	41 460	52 249	136 081	...
Industrial	239 973	262 299	365 841	8 997	...
Dust	1 054 830	1 672 360	1 220 000	1 610 000	...
Portugal	£26 750 000	£41 235 000	...	...	£1 444 000
Spain					
Rough	55	1 217	788	2 547	...
Industrial	964 755	295 606	410 114	236 955	...
Dust	9 014 630	16 266 410	19 677 700	18 684 305	...
Other	571 870	634 377	439 015	180 158	...
Sweden					
Industrial	£313 000	£407 000	£374 000	£58 000	£57 000
Other	£3 267 000	£3 400 000	£2 911 000	£2 888 000	£2 918 000
Bulgaria (a)	*13 900	...	*29 900	...	...
Czechoslovakia (a)	*4 300	—	—	—	—
Malta					
Rough	£1 568 000	£199 000	£89 000	...	...
Industrial	£114 000	£1 262 000	£2 093 000	...	...
Norway					
Industrial	210 000	330 000	205 000	400 000	...
Other	20 000	30 000	35 000	5 000	25 000
Poland	100 000	265 000	365 000	175 000	...
Romania	175 838	832 019	928 247	296 021	199 393
Switzerland					
Industrial	385 000	410 000	580 000	690 000	475 000
Dust	38 950 000	47 090 000	55 705 000	65 190 000	67 550 000
Other	6 115 000	5 870 000	5 260 000	3 395 000	4 690 000

Imports of Diamond

carats

Country	1992	1993	1994	1995	1996
Turkey					
Industrial	50 000	180 000	35 000	95 000	111 921
Other	4 100 000	3 440 000	920 000	3 795 000	3 068 452
Yugoslavia, Federal Republic of					
Industrial	£145 000	...	...	...	...
Other	£19 000	...	...	...	...
Mauritius					
Industrial	£130 000	£140 000	...	...	...
Other	£11 394 500	£17 794 000	...	...	...
South Africa					
Rough	179 960	834 050	710 830	462 005	...
Cut	10 195	5 290	6 370	5 595	...
Industrial	866 650	1 177 070	965 335	678 343	...
Tunisia					
Industrial	...	...	20 000	...	...
Dust	...	...	5 000	...	...
Other	...	...	120 000	...	...
Canada					
Cut	194 890	181 805	231 605	211 272	190 926
Industrial	1 088 719	1 030 636	1 516 829	1 494 537	2 266 981
Dust	221 625	303 687	356 946	409 264	1 071 916
Other	£24 747 000	£29 618 000	£21 562 000	£14 485 000	£16 990 000
Costa Rica					
Industrial	25 000	40 000	350 000	715 000	...
Mexico					
Industrial	1 960 000	5 930 000	569 475	637 345	...
Dust	21 830 000	2 600 000	1 725 120	457 095	...
Panama	290 000	185 000	570 000	40 000	...
USA					
Rough	1 638 784	1 784 295	1 449 988	1 737 171	1 528 537
Cut	7 724 265	9 734 958	10 718 063	11 875 425	12 256 625
Industrial	11 901 572	7 196 508	3 865 650	5 302 414	4 616 345
Dust	10 736 444	8 077 382	11 150 767	20 463 530	17 331 253
Chile					
Industrial	281 190	222 960	234 825	162 145	...
Dust	175 370	97 450	230 665	312 985	636 835
Colombia					
Industrial	300 000	...	...	...	...
Venezuela					
Cut	1 910 000	3 700 000	100 000	...	...
Industrial	3 810 000	...	...	...	...
Abu Dhabi	95 000	210 000	...	660 000	...
China					
Industrial	2 104 160	1 425 760	866 650	1 870 000	1 465 900
Dust	7 820 000	2 883 250	1 144 800	1 185 000	8 493 900
Other	1 073 570	947 240	1 651 260	1 450 000	1 764 000
Cyprus	£6 399 000	£6 293 000	£8 890 000	£3 962 000	£2 852 000
Hong Kong					
Rough	563 316	957 167	1 247 478	...	2 181 101
Cut	3 359 645	4 648 500	5 765 215	...	6 639 758
Industrial	830 160	748 583	2 846 977	...	448 374
India (c)					
Rough	79 864 741	78 740 392	38 553 427	55 992 457	...
Cut	153 794	381 759	660 273	699 893	...
Israel					
Rough	£1 465 266 000	£1 995 587 000	£2 275 434 000	...	...
Cut	£278 226 000	£362 328 000	£417 663 000	...	...
Industrial	£6 387 000	£8 921 000	£12 672 000	...	...
Dust	£1 707 000	£4 810 000	£5 986 000	...	...
Japan					
Rough	37 887	36 976	46 160	36 134	39 338
Cut	2 869 714	3 261 105	3 672 521	4 178 153	3 610 982
Industrial	684 684	1 173 477	500 976	591 898	969 731
Dust	1 538 584	1 540 643	1 838 027	2 295 965	2 418 571

Imports of Diamond

carats

Country	1992	1993	1994	1995	1996
Korea, Republic of					
Industrial	11 465 885	461 985	100 000	900 000	304 777
Dust	71 170	1 701 590	40 000	60 000	75 511
Other	47 320	97 005	10 000	140 000	311 492
Kuwait	...	155 000	205 000	300 000	...
Malaysia					
Rough	£42 496 000	£47 467 719	£53 325 000	...	...
Cut	£26 542 000	£29 284 000	£45 756 000	...	...
Industrial	£557 000	£1 273 000	£600 000	...	...
Philippines					
Industrial	58 950	32	35	1 510	...
Qatar	18 505	365 945	...	...	...
Saudi Arabia					
Industrial	510 000	...	...	...	...
Other	36 000	43 000	...	...	...
Singapore					
Rough	£42 000	£81 000	£42 000	£554 000	£25 000
Cut	£108 548 000	£106 545 000	£156 528 000	£269 328 000	£341 338 000
Industrial	£24 900 000	£93 312 000	£37 700 000	£12 303 000	£6 727 000
Sri Lanka					
Industrial	84 844	140 217	129 631	103 311	...
Other	426 407	1 328 759	1 646 553	1 319 695	...
Taiwan					
Industrial	265 000	650 000	235 000	140 000	...
Dust	14 080 000	36 200 000	23 805 000	30 940 000	...
Other	105 000	175 000	470 000	910 000	...
Thailand					
Rough	1 065 246	10 923 016	4 649 965	5 682 845	...
Cut	3 885 311	12 087 341	12 880 564	4 265 502	...
Industrial	8 933 958	376 843	492 384	155 666	...
Dust	11 859 920	21 709 740	14 452 695	12 133 662	...
Australia					
Rough	10 000	10 000	10 000	7 000	24 000
Gem	144 000	124 000	178 000	184 000	213 000
Industrial	1 544 000	1 299 000	1 388 000	1 521 000	1 684 000
Dust	854 000	924 000	1 131 000	1 001 000	767 000
New Zealand (b)					
Industrial	£25 000	£57 000	£55 000	£55 000	...
Other	£3 963 000	£4 638 000	£5 663 000	£6 325 000	...

Note(s):

- (1) Carats have been used as the unit in this table except where the only obtainable figure is the value. In these cases the national currency figure has been converted to £ sterling
- (2) See explanatory notes at the front of the volume regarding currency conversion

- (a) BGS estimates, based on known exports from certain countries
- (b) Years ended 30 June of that stated
- (c) Years ended 31 March following that stated

Production of Diatomite

tonnes

Country	1992	1993	1994	1995	1996
Denmark (a)					
Diatomite	*1 000	*1 000	*1 000	*1 000	*1 000
Moler (d)	*95 000	*95 000	*95 000	*95 000	*95 000
France	*90 000	*85 000	*90 000	*90 000	*80 000
Germany	51 721	51 745	42 646	43 021	47 728
Italy	*26 000	*25 000	*25 000	*25 000	*25 000
Portugal	1 850	1 860	2 150	1 780	*1 600
Spain	40 659	66 302	(b) 34 248	(b) 42 400	...
Czech Republic	—	39 000	40 000	29 000	35 000
Iceland	19 946	17 743	25 197	28 142	*20 000
Poland	1 700	1 500	2 700	2 200	*1 800
Romania	14 530	9 972	34 858	49 790	60 420
Soviet Union (f)	*190 000	*150 000	*120 000	*110 000	*100 000
Algeria	2 671	3 471	2 845	*4 000	*4 000
Kenya	2 142	*2 000	*2 000	*1 000	*1 000
South Africa	576	—	—	—	—
Canada	1 800	600	...	...	...
Costa Rica	7 500	7 300	*7 000	*7 000	...
Mexico	46 443	46 077	52 100	50 200	52 200
USA (c)	595 000	599 000	613 000	687 000	698 000
Argentina	5 363	3 096	6 260	4 928	*5 000
Brazil (e)	15 691	26 100	21 809	17 074	11 300
Chile	5 897	5 774	10 129	11 451	*10 000
Colombia	4 356	*4 000	*4 000	*4 000	*4 000
Peru	*25 000	*35 100	*35 100	*35 100	*35 100
Korea, Republic of	76 775	67 324	82 738	81 303	69 543
Thailand	10 425	8 290	5 874	*5 591	*6 000
Australia	*11 000	*11 000	*11 000	*11 000	*11 000
World total	1 340 000	1 360 000	1 370 000	1 440 000	1 420 000

Note(s):

(1) In addition to the countries listed, Hungary and Japan are believed to produce diatomite

(a) Sales

(b) Including tripoli

(c) Sold or used by producers

(d) Moler is an impure diatomite containing a large proportion of clay

(e) Including beneficiated and directly shipped material

(f) Dissolved in December 1991. Information is not available to provide estimates for all individual former Soviet Union countries

Exports of Diatomite

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	1 092	543	690	1 038	2 608
Austria	6 021	4 701	7 215	...	...
Belgium-Luxembourg	3 359	2 630	4 831	3 177	2 420
Denmark	*87 500	84 270	80 246	...	...
France	36 595	29 199	30 323	34 036	...
Germany	2 138	2 178	13 317	6 788	5 727
Italy	1 343	2 336	1 113	1 249	...
Netherlands	1 552	995	804	462	262
Spain	6 334	4 759	1 166	1 345	...
Sweden	152	330	543	1 187	1 343
Czechoslovakia (a)	*4 800	—	—	—	—
Czech Republic	—	5 827	6 591	7 714	7 359
Hungary	188	108	102	...	...
Iceland	19 172	19 555	24 560	27 740	26 358
Poland	4 548	5 291	6 028	6 842	...
Mexico	9 211	9 601	8 924	9 626	...
USA	163 377	164 562	157 178	143 803	145 340
Chile	5 083	2 799	3 739	4 867	4 566
China	85 165	77 093	85 109	134 330	132 872
Hong Kong (b)	3 013	5 719	6 288	3 844	3 327
Japan	3 534	2 631	2 760	1 840	2 068
Singapore (b)	384	736	608	417	640
Taiwan	482	162	159	1 584	...
Australia (c)	347	340	...	...	...

(a) BGS estimates, based on known imports into certain countries

(b) Re-exports

(c) Years ended 30 June of that stated

Imports of Diatomite

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	36 337	12 102	13 944	15 974	16 145
Austria	14 626	14 621	16 785	...	...
Belgium-Luxembourg	16 527	18 096	10 970	8 857	5 721
Denmark	4 757	6 105	5 202	4 825	9 897
Finland	2 782	3 119	3 457	3 115	...
France	20 483	21 392	11 716	11 612	...
Germany	50 482	45 762	45 988	49 764	47 509
Greece	2 307	2 007	1 354	1 856	...
Irish Republic	233	392	345	247	445
Italy	7 798	6 796	6 890	7 755	...
Netherlands	22 484	10 488	9 840	9 567	14 214
Portugal	3 497	726	...	...	1 186
Spain	4 115	3 944	4 020	4 620	...
Sweden	2 362	3 047	3 595	5 889	5 130
Bulgaria (b)	*1 300	*500	*900	*100	...
Croatia	387	439	...	1 183	772
Czechoslovakia (b)	*1 400	—	—	—	—
Czech Republic	—	1 506	2 090	2 718	5 602
Hungary	1 140	871	2 604	...	...
Norway	1 663	998	1 396	1 079	1 472
Poland	4 850	6 119	6 062	6 215	...
Romania	1 705	1 779	1 422	2 027	1 893
Switzerland	5 254	5 456	4 838	3 930	4 084
Turkey	391	659	703	1 109	1 308
Yugoslavia, Federal Republic of	548	...	...	*100	...
Cameroon	...	*381	*352	...	...
Morocco	1 034	...	...	...	...
South Africa	2 592	3 327	3 873	3 439	...
Tunisia	909	...	1 089	...	...
Canada	21 389	22 265	23 954	22 283	23 079
Costa Rica	180	341	1 159	66	...
El Salvador	390	522	631	...	...
Guatemala	820	1 144	1 595	838	...
Honduras	372	479	464	607	...
Mexico	498	1 137	1 311	830	...
Panama	588	643	479	613	...
USA	182	1 822	379	259	1 551
Brazil	2 377	3 186	1 408	2 123	...
Colombia	1 874	1 423	2 157	3 039	...
Ecuador	3 579	125	223	329	...
Peru	774	1 125	1 398	2 690	...
Venezuela	4 714	3 139	3 749	2 671	...
China	2 352	4 608	2 579	3 796	3 149
Cyprus	175	217	190	190	195
Hong Kong	2 960	3 781	3 407	4 354	4 539
India (d)	1 148	1 030	1 055	1 357	...
Indonesia	2 379	3 450	3 693	4 871	...
Iran (c)	602	396	553	...	...
Israel (b)	*800	*1 300	*1 000	*700	...
Japan	5 128	4 626	5 864	6 442	8 130
Korea, Republic of	1 097	3 779	1 761	99	90
Malaysia	1 944	2 467	2 678	...	...
Pakistan (a)	38	261	7	...	...
Philippines	647	809	1 387	888	...
Saudi Arabia	1 693	5 287	876	...	...
Singapore	1 541	2 290	2 180	1 803	2 191
Taiwan	8 958	13 746	15 371	15 040	...
Thailand	375	408	207	295	...
Australia (a)	7 465	7 027	...	...	...
New Zealand (a)	1 847	1 414	1 571	1 686	...

(a) Years ended 30 June of that stated

(b) BGS estimates, based on known exports from certain countries

(c) Years ended 20 March following that stated

(d) Years ended 31 March following that stated

Production of Feldspar

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom (c)	8 243	6 956	8 400	8 900	8 211
Austria	11 059	8 492	4 883	—	—
Finland	16 396	45 141	43 483	41 801	40 265
France	282 000	274 000	390 000	632 000	546 000
Germany	329 207	303 154	302 626	329 624	359 666
Greece	26 600	22 210	35 000	27 000	*30 000
Italy	1 387 968	1 534 421	1 806 935	2 199 315	2 310 451
Portugal	99 645	90 547	87 196	106 559	*100 000
Spain	244 641	232 252	269 582	360 380	420 000
Sweden	35 942	34 598	44 520	47 226	*55 000
Czech Republic	—	203 000	170 000	183 000	211 000
Macedonia	19 294	13 201	3 282	...	...
Norway	*100 000	*75 000	92 905	75 397	*76 000
Poland	22 600	30 700	38 100	45 600	52 500
Romania	27 715	87 701	10 400	*10 000	*10 000
Russia	*100 000	*70 000	*55 000	*55 000	*45 000
Slovakia	—	22 477	...	...	...
Turkey	284 645	519 762	502 608	760 250	1 167 021
Yugoslavia, Federal Republic of	5 111	2 679	3 238	5 441	4 801
Algeria	4 647	6 500	6 939	*7 000	*7 000
Egypt (d)	32 326	16 386	39 745	40 621	*39 000
Kenya	*1 200	*1 200	*1 200	*1 200	*1 200
Morocco	*1 000	*1 000	*1 000	*1 000	*1 000
Nigeria	2 398	169	—	...	...
South Africa	49 425	43 400	37 156	47 962	54 244
Zimbabwe	2 696	1 553	1 617	3 920	...
Guatemala	6 113	7 041	8 886	7 673	11 061
Mexico	159 718	123 512	133 441	121 779	139 972
USA	725 000	770 000	765 000	880 000	890 000
Argentina	48 509	55 764	39 825	36 901	39 300
Brazil (e)	*200 000	193 824	205 000	200 116	*200 000
Chile	5 740	4 149	9 967	7 293	*9 000
Colombia	78 446	60 458	76 188	58 100	*60 000
Ecuador	1 809	10 966	5 692	10 297	*10 000
Peru	10 021	11 385	14 808	8 336	5 918
Uruguay	8 211	3 569	2 870	5 099	2 006
Venezuela	181 705	187 000	136 507	170 404	156 000
India	67 743	66 792	64 693	98 683	*90 000
Indonesia	16 719	27 835	40 483	49 415	*50 000
Iran (b)	52 120	76 873	109 005	132 457	...
Japan (f)	1 138 239	1 122 000	1 193 000	1 169 000	1 163 000
Jordan	2 467	*2 500	*2 500	*2 500	*2 500
Korea, Republic of	281 553	539 169	319 658	367 578	319 112
Myanmar (a)	1 376	5 728	5 605	8 749	*9 000
Pakistan	19 166	17 034	15 335	21 163	32 572
Philippines	48 400	44 600	*30 000	*30 000	*40 000
Sri Lanka	8 821	*8 800	6 300	7 500	11 200
Taiwan	2 216	1 716	778	—	20
Thailand	559 806	600 835	554 227	*677 852	669 000
Uzbekistan	*80 000	*70 000	*70 000	*70 000	*70 000
Australia (g)	*15 000	*15 000	*16 000	*16 000	*17 000
World total	6 800 000	7 700 000	7 800 000	9 200 000	9 700 000

Note(s):

(1) In addition to the countries listed, China and Namibia are believed to produce feldspar

(c) China stone

(d) Years ended 30 June of that stated

(e) Including beneficiated and directly shipped material

(a) Years ended 31 March following that stated

(f) Revised to include weathered granite feldspar

(b) Years ended 20 March following that stated

(g) Including nepheline syenite

Exports of Feldspar

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	169	442	470	317	231
Finland	28 540	30 867	28 693	27 264	...
France	92 506	74 433	53 560	67 169	...
Germany	35 614	72 495	128 745	81 210	61 033
Italy	23 058	22 723	22 593	30 727	...
Netherlands	2 118	—	1 786	1 567	23 276
Portugal	(a) 1 596	462	...	...	1 850
Spain	9 193	14 022	14 202	25 476	...
Sweden	25 075	21 133	30 625	25 448	24 731
Czechoslovakia (b)	*4 700	—	—	—	—
Czech Republic	—	63 687	66 583	74 181	67 515
Norway	65 688	63 552	61 648	67 340	69 578
Turkey (a)	234 430	320 819	469 371	651 800	738 156
South Africa	3 526	2 965	2 394	1 700	3 875
Guatemala (a) (c)	6 073	5 284	5 006	4 400	...
Mexico	14 507	7 782	7 115	8 502	...
USA	17 734	17 669	17 255	15 058	10 169
Brazil	2 129	2 551	1 102	374	...
China	439 908	728 447	831 000	703 315	567 741
Hong Kong (a) (f)	201 873	311 010	220 867	201 362	139 415
India (d)	26 355	29 448	49 307	84 622	...
Japan	34 581	36 232	27 630	30 176	33 324
Korea, Republic of	24 049	23 631	15 817	14 027	37 509
Philippines	53 859	44 600	45 600	23 205	...
Singapore (a)	14 011	16 575	12 279	6 513	6 738
of which: Re-exports	13 966	16 182	12 122	6 479	6 666
Thailand	338 031	436 954	233 784	300 517	284 768
Australia (e)	14 354	15 288	...	...	...

(a) May include some leucite, nepheline and nepheline syenite

(b) BGS estimates, based on known imports into certain countries

(c) Including some fluorspar

(d) Years ended 31 March following that stated

(e) Years ended 30 June of that stated

(f) Re-exports

Imports of Feldspar

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	36 895	30 850	38 209	36 537	28 220
Austria	4 800	5 970	4 813	5 387	4 010
Belgium-Luxembourg	16 385	17 801	35 850	20 696	73 309
Denmark	3 644	2 991	3 073	4 208	3 373
France	32 953	15 554	20 765	31 169	...
Germany	83 554	70 493	70 493	68 591	66 209
Greece	4 984	(a) 3 361	5 885	8 834	...
Irish Republic	—	501	(a) 1 374	(a) 191	(a) 1 577
Italy	246 388	247 275	359 608	537 518	...
Netherlands	21 028	15 027	10 386	19 879	50 098
Portugal	(a) 13 058	15 985	...	(a) (c) 29 709	20 357
Spain	96 450	96 672	119 485	168 658	...
Sweden	4 565	5 316	5 041	7 092	10 017
Croatia	3 947	6 122	...	2 237	2 883
Hungary	747	41 185	20 636	...	...
Norway	383	243	523	839	889
Poland	19 108	25 268	24 916	30 762	...
Switzerland	9 929	10 026	13 714	11 543	9 101
Turkey (a)	313	31	135	10 133	10 107
Ukraine (b)	...	*28 000	*28 500	...	...
Tunisia	3 026	...	2 723	...	...
Canada	1 919	1 422	1 630	1 803	1 291
Costa Rica	6 209	5 178	4 292	5 426	...
Mexico	913	7 158	20 765	17 048	...
Panama (a) (c)	3 068	2 400	129	...	...
USA	12 965	7 054	7 355	8 978	7 154
Chile	998	962	1 274	1 051	2 913
Venezuela	1 328	1 032	990	538	...
Hong Kong (a)	205 010	344 551	209 312	105 036	59 094
Indonesia	26 225	37 307	47 684	59 210	...
Israel (a) (b)	*3 200	*4 800	*4 000	*4 000	...
Japan	2 789	7 583	6 705	9 280	10 864
Jordan	(a) (c) 1 009	(a) (c) 305	185	...	...
Korea, Republic of	9 435	8 560	4 288	8 024	1 288
Malaysia	120 847	125 539	127 947	...	...
Philippines	4 751	4 984	6 220	5 761	...
Saudi Arabia	928	540	1 141	...	...
Singapore (a)	33 264	29 579	27 929	21 655	30 806
Syria (a) (c)	1 766	1 046	...	1 041	...
Taiwan	694 693	1 006 412	1 175 321	965 531	...
Thailand	5 883	3 877	12 624	15 978	...
New Zealand (d)	148	304	617	200	...

(a) May include some leucite, nepheline and nepheline syenite

(b) BGS estimates, based on known exports from certain countries

(c) Including some fluorspar

(d) Years ended 30 June of that stated

Production of Fluorspar

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	76 129	70 285	*58 000	*55 000	*65 000
France	148 900	123 900	130 300	130 000	*105 000
Germany	53 051	39 997	35 641	39 081	32 448
Italy	86 279	71 684	77 946	124 749	116 700
Spain	101 087	92 505	113 588	118 411	116 526
Czechoslovakia	*40 000	—	—	—	—
Czech Republic	—	22 000	10 000	—	—
Romania	*15 000	*15 000	*15 000	*15 000	*15 000
Russia	*100 000	*70 000	*60 000	*60 000	*60 000
Turkey	3 074	*4 000	6 671	8 873	...
Egypt (c)	981	773	514	551	...
Kenya	80 360	78 725	89 155	74 230	*83 000
Morocco	85 500	70 000	85 000	105 800	100 000
Namibia	37 680	43 466	52 226	33 559	31 457
South Africa	259 790	217 778	174 258	195 668	221 137
Tunisia	13 750	1 399	676	1 856	—
Mexico	286 640	282 988	327 378	522 655	523 971
USA	*51 000	*56 000	*49 000	*51 000	*8 200
Argentina	4 587	4 611	3 585	5 071	5 200
Brazil (a)	83 696	97 184	91 658	89 258	77 700
China	*1 750 000	*1 950 000	*1 950 000	*1 850 000	*1 900 000
India	20 634	22 773	22 591	22 499	*23 000
Iran (b)	9 182	*10 000	22 204	20 163	...
Kazakhstan	*100 000	*90 000	*80 000	*80 000	*80 000
Korea, Dem. P.R. of	*41 000	*41 000	*40 000	*40 000	*40 000
Mongolia	277 000	*180 000	88 000	122 500	*124 000
Pakistan	*5 000	*5 100	13 351	2 573	363
Thailand	56 459	48 387	23 705	24 114	*24 000
Uzbekistan	*100 000	*90 000	*80 000	*80 000	*80 000
World total	3 900 000	3 800 000	3 700 000	3 900 000	3 900 000

Note(s):

(1) In addition to the countries listed, Bulgaria is believed to produce fluorspar

(a) Including beneficiated and directly shipped material

(b) Years ended 20 March following that stated

(c) Years ended 30 June of that stated

Exports of Fluorspar

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	3 871	6 001	5 796	6 935	7 091
Belgium-Luxembourg	1 905	—	255	147	1 270
France	23 421	20 528	15 763	26 190	...
Germany	25 667	22 770	16 678	26 667	15 631
Italy	4 782	940	518	96	...
Netherlands	864	982	1 352	100	806
Spain	15 491	18 845	21 182	33 853	...
Sweden	1 100	1 493	1 687	991	2 320
Czech Republic	—	14 144	20 667	26 011	17 172
Kenya	66 538	71 040	62 202	64 434	37 764
Morocco	78 000	60 000	102 360	110 000	...
Namibia	28 914	33 487	49 852	27 400	32 624
South Africa	250 879	224 278	244 190	166 864	196 656
Canada	607	483	50	1 750	363
Mexico	150 275	111 687	147 502	291 905	...
USA	14 277	13 227	24 261	47 120	83 482
China	1 187 840	1 375 277	1 218 645	1 229 145	1 124 685
Japan	578	644	904	748	1 173
Thailand	60 078	46 041	18 428	19 315	17 432

Imports of Fluorspar

Country	1992	1993	1994	1995	1996
United Kingdom (b)	*11 900	*23 600	*17 600	*27 000	...
Austria	10 859	6 169	5 213	6 565	7 114
Belgium-Luxembourg	16 754	11 021	8 401	11 910	4 696
Denmark	469	11 931	11 066	341	568
Finland	12 209	6 334	12 388	12 577	...
France	6 253	15 321	7 427	6 971	...
Germany	216 202	210 214	268 974	221 860	238 905
Greece	9 363	13 116	4 719	7 969	...
Italy	95 026	93 661	91 428	94 803	...
Netherlands	22 347	30 732	19 234	6 810	10 965
Portugal	1 401	1 469	1 300	1 300	1 057
Spain	9 123	6 792	9 495	13 056	...
Sweden	8 143	13 467	11 733	7 977	16 082
Czech Republic	—	19 616	26 642	67 720	42 437
Hungary	1 072	2 061	5 177	*5 000	...
Norway	47 318	36 548	44 865	46 231	43 358
Poland	4 262	4 363	7 236	8 324	...
Romania	2 195	16 129	10 852	15 106	22 970
Russia	149 946	88 968	174 300	167 200	...
Switzerland	597	409	351	73	222
Turkey	1 146	1 892	1 515	6 772	7 025
Ukraine (b)	*31 200	*17 400	*100	*9 500	...
Yugoslavia, Federal Republic of	929	...	...	...	...
Egypt (a) (c)	5 788	8 183	500	500	...
Tunisia	34 808	47 200	47 253	35 900	...
Canada	91 667	80 728	87 370	108 968	142 632
Costa Rica (c)	6 209	5 178	...	...	...
Mexico	46 900	43 625	31 457	32 867	...
Panama (a) (c)	3 068	2 400	129	...	...
USA	447 658	408 985	439 147	575 817	384 889
Brazil	14 141	4 272	11	18 767	...
Chile	4 456	543	391	524	479
Peru	95	275	1 128	483	...
Venezuela	431	739	704	1 307	...
Hong Kong	300	...	—	—	600
India (e)	26 237	38 537	61 781	53 627	...
Indonesia	2 208	1 391	1 006	959	...
Japan	528 656	551 184	544 943	593 723	549 239
Jordan	(a) (c) 1 009	(a) (c) 305	63	...	...
Korea, Republic of	74 017	80 987	93 198	107 551	82 804
Malaysia	2 409	4 034	2 694	4 700	...
Philippines	765	529	1 737	3 137	...
Saudi Arabia (a) (c)	928	...	...	...	...
Taiwan	28 483	27 937	47 447	52 614	...
Australia (d)	4 805	7 180	...	...	...

(a) May include some leucite, nepheline and nepheline syenite

(b) BGS estimates, based on known exports from certain countries

(c) Including some feldspar

(d) Years ended 30 June of that stated

(e) Years ended 31 March following that stated

Gold

Mine Production of Gold

kilograms (metal content)

Country	1992	1993	1994	1995	1996
Finland	1 663	304	963	1 050	1 336
France	3 060	3 034	5 078	4 615	4 590
Portugal	149	—	—	—	—
Spain	6 572	6 060	5 859	4 131	3 128
Sweden	6 164	6 548	6 364	6 528	6 145
Armenia	*500	*200	*100	*300	244
Czech Republic	—	512	75	—	—
Georgia	*1 500	*1 000	*600	*500	*500
Hungary	*500	*500	*200	—	—
Romania	3 700	4 000	4 000	*4 000	*4 000
Russia	150 591	149 464	142 578	131 938	123 347
Turkey	1 250	1 110	996	*1 000	*1 000
Yugoslavia, Federal Republic of (d)	7 330	3 504	2 437	2 856	3 250
Botswana	165	192	234	86	5
Burkina Faso	900	738	537	444	419
Burundi	32	*20	*20	*10	*10
Cameroon	*10	*10	560	*1 000	*1 000
Central African Republic	155	171	138	97	*90
Congo, Democratic Republic	2 525	1 502	780	1 180	1 252
Eritrea	—	—	78	59	98
Ethiopia (b)	2 224	3 387	2 370	4 500	*5 000
Gabon	70	120	72	70	30
Ghana	31 038	39 234	44 505	53 135	48 066
Guinea	5 140	3 864	5 617	7 863	6 838
Ivory Coast	1 665	1 500	1 860	1 983	*1 000
Kenya	20	154	155	170	*170
Liberia	*700	*700	*500	*500	*700
Madagascar	37	10	10	38	...
Mali	6 100	5 900	5 700	6 300	*5 000
Mauritania	702	1 266	1 738	1 500	*1 500
Mozambique	296	149	336	236	67
Namibia	2 025	1 953	2 394	2 099	2 145
Rwanda	*1 000	*1 000	100	*100	*50
Sierra Leone	93	157	125	—	—
South Africa	613 036	619 325	579 909	523 815	492 538
Sudan	973	1 600	2 500	*3 700	*3 700
Tanzania	4 525	3 370	2 861	320	237
Uganda	118	104	3	...	...
Zambia (c)	218	267	165	79	*130
Zimbabwe	18 278	18 565	20 512	23 959	24 722
Canada	161 402	153 299	146 891	152 032	165 805
Costa Rica	250	260	370	400	*400
Dominican Republic	2 229	247	1 538	3 288	3 659
Honduras	163	111	106	111	142
Mexico	10 412	11 121	14 642	20 902	24 083
Nicaragua	1 188	1 241	1 045	1 200	1 400
Panama	250	266	272	283	808
USA	330 212	331 013	326 221	316 913	318 078
Argentina	1 106	937	937	837	723
Bolivia	4 688	10 423	12 790	14 405	12 634
Brazil	85 862	74 219	70 535	62 424	57 000
Chile	34 473	33 638	38 786	44 585	51 838
Colombia	32 118	27 469	20 760	21 161	22 064
Ecuador	12 300	12 500	13 000	15 520	19 200
French Guiana	2 140	2 805	2 260	2 470	2 637
Guyana	2 475	9 635	11 683	9 005	12 007
Peru	24 242	30 318	47 800	56 496	64 788
Venezuela	8 547	8 985	9 944	7 259	12 127
China	*140 000	*160 000	*160 000	127 611	145 333
India	1 762	2 075	2 372	1 800	2 449
Indonesia	37 978	41 576	42 605	62 818	83 660
Iran	*1 000	417	723	370	242
Japan	8 893	9 352	9 551	9 185	8 627
Kazakhstan	*24 000	*20 000	14 483	14 900	10 221

Mine Production of Gold

kilograms (metal content)

Country	1992	1993	1994	1995	1996
Korea, Dem. P.R. of	*5 000	*5 000	*5 000	*5 000	*5 000
Korea, Republic of (d)	6 220	10 443	12 332	13 418	14 096
Kyrgyzstan	*1 000	*1 000	*3 000	*4 500	*5 000
Malaysia	3 513	4 463	4 085	3 162	2 830
Mongolia	*900	*1 200	1 742	4 080	4 900
Myanmar (a)	31	51	164	146	134
Oman	387	431	137	532	...
Philippines	25 609	21 155	27 059	27 144	29 958
Saudi Arabia	6 150	7 525	7 630	8 080	7 530
Tajikistan	*500	*400	382	500	1 210
Thailand	—	—	96	103	...
Uzbekistan	*75 000	*75 000	*70 000	*70 000	*72 000
Australia	243 545	247 433	254 874	253 084	289 519
Fiji	3 693	3 815	4 111	3 476	4 555
New Zealand	10 531	11 161	10 118	12 130	11 900
Papua New Guinea	71 190	60 587	58 654	51 701	51 573
World total	2 256 000	2 273 000	2 252 000	2 193 000	2 263 000

Note(s):

- (1) In several countries substantial amounts of gold produced in small operations are not recorded in the official statistics used when compiling this table
- (2) In addition to the countries listed, Bulgaria, Cameroon, former Czechoslovakia, Greece, Morocco, Norway and Thailand are believed to produce gold

- (a) Years ended 31 March following that stated
- (b) Years ended 6 July of that stated
- (c) Contained in blister copper, refinery muds and electrolytic copper
- (d) Metal production

Gold

Exports of Gold

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal					
Refined	924 143	...	...	...	...
Other	75 874	(f) 683 719	(f) 436 674	(f) 702 386	(f) 595 017
Waste & scrap	2 307	2 638	1 450	11 533	75 239
Austria					
Metal	948	15 272	1 227	1 748	3 111
Waste & scrap	1 614	520	747	200	56 000
Belgium-Luxembourg					
Metal	22 691	26 089	22 006	25 188	27 892
Waste & scrap	£3 826 000	£513 000	£35 000	£344 000	£1 647 000
Denmark					
Metal	878	502	410	893	1 332
of which: Re-exports	455	...	...	...	...
Waste & scrap	3 327	4 157	4 111	8 442	5 851
of which: Re-exports	547	...	...	...	...
Finland					
Metal	1 124	1 032	808	2 000	...
France					
Metal	44 421	44 429	37 578	39 858	...
Waste & scrap	695 873	731 232	1 262 100	146 892	...
Germany					
Metal	58 945	62 317	74 341	89 575	94 451
Waste & scrap	3 013	26 078	1 210	23 603	29 214
Irish Republic					
Metal	£19 000	£113 000	£532 000	£14 000	£3 000
Waste & scrap	£1 296 000	£6 000	£12 000	£6 000	£2 000
Italy					
Metal	25 974	15 248	12 672	13 032	...
Netherlands					
Metal	1 199	6 772	11 479	12 972	15 286
Waste & scrap	11 000	20 000	29 000	56 000	193 370
Spain					
Metal	905	4 776	14 401	15 888	...
Sweden					
Metal	7 000	9 000	8 000	...	12 724
Waste & scrap	28 000	46 000	28 000	108 989	3 519
Armenia					
Metal (c)	...	...	*390	...	...
Waste & scrap (c)	...	...	*930	*1 600	...
Belarus					
Waste & scrap (c)	...	*900	*3 100	...	...
Bulgaria					
Waste & scrap (c)	*4 400	*6 000	*50	*1 300	*4 800
Croatia					
Metal	—	1 000	...	1 000	...
Czech Republic					
Metal	—	8 605	1 671	2 329	4 693
Estonia					
Waste & scrap (c)	...	*16 300	*15 700	...	...
Hungary					
Metal	£2 689 000	£3 693 000	£3 595 000	£2 344 000	£3 905 000
Latvia					
Waste & scrap (c)	...	*4 100	*6 300	*200	*1 000
Lithuania					
Waste & scrap	(c) (g) *400	(c) (g) *2 700	(c) (g) *2 200	—	...
Norway					
Metal	1 133	1 197	1 599	2 151	1 643
Waste & scrap	384	181	328	966	2 083
Poland					
Metal	1 354	490	710	85 905	...
Russia					
Metal (c)	*22 200	*14 100	*36 400	*43 200	...
Waste & scrap (c)	*40 900	*11 400	*7 500	*33 400	...
Switzerland					
Metal	1 187 660	999 059	909 456	1 193 530	1 191 879
Waste & scrap	46 723	78 216	8 080	16 758	52 375

Exports of Gold

kilograms

Country	1992	1993	1994	1995	1996
Ukraine					
Waste & scrap (c)	—	*74 400	*9 900	...	...
Yugoslavia, Federal Republic of					
Metal	1 000	...	...	...	...
Congo, Democratic Republic					
Guinea					
Metal	5 111	3 864	5 600	7 863	6 838
Mozambique					
Metal	317	113	262	228	...
Namibia					
Metal	2 049	2 011	2 319	2 056	2 177
Sierra Leone					
Metal	51	157	111	4	...
South Africa					
Metal	£3 878 000 000	£4 741 000 000	£4 591 000 000	£4 076 000 000	£3 942 000 000
Uganda					
Metal	18	104	216	3 094	...
Zimbabwe					
Metal	14 324	21 262	18 908	20 880	...
Canada					
Ores & concentrates (d)	6 565	3 869	3 511	7 066	5 465
Metal	212 478	201 462	210 477	170 975	197 288
Dominican Republic					
Metal	2 229	247	1 538	3 288	3 600
USA					
Ore (b)	30	216	462	345	...
Metal					
Unrefined	51 086	64 474	60 415	69 990	71 073
Refined	264 383	660 572	337 514	278 492	405 332
Other	9 034	13 031	12 909	9 372	6 803
Waste & scrap	80 267	68 847	81 407	81 430	91 297
Bolivia					
Ores & concentrates (b)	1 799	161	1	1	6
Metal	165	6 414	9 633	10 593	9 561
Brazil					
Metal	1 876	1 935	16 442	34 777	46 970
Chile					
Metal	64 444	20 422	22 502	29 032	32 203
Colombia					
Ore	512 885	364 974	594 268	551 970	...
Guyana					
Metal	2 473	8 667	11 161	8 563	9 020
Peru					
Metal	19 586	19 782	27 549	37 219	45 978
China					
Metal (c)	*1 500	*1 500	*1 300	*600	...
Hong Kong					
Metal (a)	5 152	9 519	4 493	6 729	9 980
Waste & scrap (a)	2 526	3 259	2 966	3 968	5 545
Indonesia					
Metal	13 656	16 136	11 577	3 825	...
Japan					
Metal	36 349	33 878	23 949	36 490	39 087
Waste & scrap	1 825	2 241	1 418	1 277	2 311
Jordan					
Metal (a)	5 282	4 106	1 579	...	...
Korea, Dem. P.R. of					
Metal (c)	*2 800	*3 600	*600	*900	...
Korea, Republic of					
Ores & concentrates	2 168 000	1 895 200	1 881 600	...	—
Metal	21 455	25 079	48 350	5 869	427 533
Malaysia					
Metal	1 072	3 443	3 927	...	...
Waste & scrap	480	...	221	...	...

Gold

Exports of Gold

kilograms

Country	1992	1993	1994	1995	1996
Philippines					
Ores & concentrates (b)	11 884	177	207	199	...
Metal	124	3 101	2 375	1 976	...
Singapore					
Metal	9 907	13 042	12 191	14 305	23 700
of which: Re-exports	3 449	2 697	1 323	2 097	13 031
Waste & scrap	9 353	1 106	777	1 312	4 044
Taiwan					
Waste & scrap	16 832	15 134	70 730	908	...
Thailand					
Metal	882	1 051	64 821	6 579	...
Waste & scrap	3 285	26 538	99 907	36 856	...
Uzbekistan					
Metal (c)	...	*20 000	*14 000	*15 300	...
Australia					
Ores & concentrates (b)	*1 600	*2 500	*1 600	*2 500	*1 700
Metal	296 312	272 488	275 152	314 463	344 882
New Zealand (e)					
Metal	10 757	22 082	36 588	37 624	44 377
Papua New Guinea					
Metal	71 190	60 587	...	...	...

Note(s):

(1) In this table the term 'metal' includes both unwrought and partly worked gold and alloys but excludes gold coin

- (a) Re-exports
- (b) Au content
- (c) BGS estimates, based on known imports into certain countries
- (d) Au content of all ores and concentrates
- (e) Years ended 30 June of that stated
- (f) Including refined
- (g) Is likely to include re-exports

Imports of Gold

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	68 099	20 292	79 815	3 451	...
Metal					
Unrefined	54 835	...	...	...	...
Refined	445 677	...	...	...	...
Other	42 516	(a) 870 000	(a) 437 225	(a) 404 356	(a) 745 254
Waste & scrap	135 730	89 020	114 466	232 584	206 220
Austria					
Metal	3 315	2 766	2 680	53 559	18 365
Belgium-Luxembourg					
Metal	36 125	22 425	13 815	17 102	8 830
Waste & scrap	£1 552 000	£1 294 000	£3 339 109	£623 000	...
Denmark					
Metal	1 229	1 072	1 362	1 518	1 664
Waste & scrap	1 044	499	1 384	802	470
Finland					
Metal	784	786	896	13 000	...
France					
Metal	164 554	101 405	89 999	139 599	...
Waste & scrap	255 544	415 838	427 300	306 256	...
Germany					
Metal	138 223	119 230	96 141	102 149	96 541
Waste & scrap	192 353	137 355	203 012	118 332	178 025
Greece					
Metal	3 015	—	11 671	14 349	...
Irish Republic					
Metal	£3 972 000	£6 121 000	£7 312 000	£9 600 000	£8 558 000
Italy					
Metal	388 645	342 928	337 324	346 071	...
Waste & scrap	2 100	900	2 300	2 612	...
Netherlands					
Metal	8 222	8 908	19 017	19 503	16 990
Waste & scrap	1 000	...	3 000	...	...
Portugal					
Metal	...	12 803	127 560	...	1 001
Spain					
Metal	23 751	12 252	20 893	29 837	...
Sweden					
Metal	3 000	2 000	3 000	...	...
Waste & scrap	£108 000	£354 000	£39 000	£94 000	£22 000
Armenia					
Metal (d)	...	...	*300	*700	*100
Belarus					
Metal (d)	...	...	*300	*100	*300
Czechoslovakia					
Metal (d)	*1 700	—	—	—	—
Czech Republic					
Metal	—	10 979	2 312	2 463	3 388
Hungary					
Metal	£717 000	£427 000	£267 000	£1 124 000	£1 405 000
Malta					
Metal	2 132	1 186	1 903	...	...
Norway					
Metal	1 122	1 652	1 183	1 358	1 418
Waste & scrap	311	277	489	707	416
Slovakia					
Metal (d)	...	*50	*4 300	*3 000	*800
Slovenia					
Metal	(d) *2 900	(d) *1 200	2 981	...	...
Switzerland					
Metal	1 457 018	1 273 872	1 042 987	1 205 818	1 285 661
Waste & scrap	58 135	43 970	48 594	56 883	101 740
Ukraine					
Metal (d)	...	*200	*400	*100	*100
Yugoslavia, Federal Republic of					
Metal	£1 152 000	...	...	...	...

Gold

Imports of Gold

kilograms

Country	1992	1993	1994	1995	1996
South Africa					
Metal	554	537	460	55 442	...
Tunisia					
Metal	...	767	1 166	...	...
Canada					
Ores & concentrates (e)	4 381	10 590	1 897	2 648	3 137
Metal	43 896	55 360	36 487	23 773	...
USA					
Ore (c)	1 902	2 667	4 045	6 148	4 989
Metal					
Unrefined	17 092	12 534	15 088	9 877	11 760
Refined	141 249	130 001	96 360	111 163	143 263
Other	7 416	27 794	37 677	45 874	59 650
Waste & scrap	15 616	25 434	21 818	14 432	12 995
Brazil					
Metal	796	1 329	2 931	147	...
China					
Metal (d)	*4 400	*7 400	*2 400	*1 800	*1 600
Cyprus					
Metal	3 132	2 229	2 696	2 430	3 381
Hong Kong					
Metal	339 650	234 056	326 104	265 657	217 535
Waste & scrap	377	648	1 055	2 907	2 701
India					
Metal	18 356	19 668	39 037	45 677	...
Israel					
Metal	£83 737 000	£107 171 000	£92 962 000	£97 624 000	...
Japan					
Metal	195 116	176 351	197 349	263 216	135 667
Waste & scrap	1 757	3 223	3 815	6 798	137 245
Jordan					
Metal	535	502	1 174	...	...
Korea, Republic of					
Metal	32 283	34 436	58 336	217 102	424 381
Macao					
Metal	116	1 157	1 117	420	...
Malaysia					
Metal	60 894	81 578	121 857	...	...
Oman					
Metal	8 738	...	11 229	...	...
Philippines					
Metal	124	3	369	234	...
Saudi Arabia					
Metal	13 021	62 932	59 426	...	...
Singapore					
Metal	9 798	19 883	23 199	26 401	31 380
Waste & scrap	343	432	257	296	625
Sri Lanka					
Metal	210	1 412	1 387	971	...
Taiwan					
Metal	177 717	134 096	123 233	108 316	...
Thailand					
Metal	45 139	187 663	...	1 305 866	...
Australia (b)					
Metal	£431 398 000	£461 399 000	£467 703 000	£332 583 000	£350 919 000
New Zealand (b)					
Metal	484	637	638	584	...

Note(s):

(1) In this table the term 'metal' includes both unwrought and partly worked gold and alloys but excludes gold coin

(c) Au content

(d) BGS estimates, based on known exports from certain countries

(a) Including unrefined and refined

(e) Au content of all ores and concentrates

(b) Years ended 30 June of that stated

Production of Graphite

tonnes

Country	1992	1993	1994	1995	1996
Austria (a)	19 547	4 146	12 324	12 019	33 122
Germany	6 202	4 437	4 369	5 214	2 603
Czechoslovakia	*20 000	—	—	—	—
Czech Republic	—	27 000	25 000	27 000	30 000
Norway	7 000	6 500	5 566	2 558	*2 600
Romania	2 300	3 162	2 335	2 179	2 931
Russia	*15 000	*10 000	*8 000	*8 000	*6 000
Turkey	20 978	*20 000	*20 000	*20 000	*21 000
Ukraine	10 000	6 000	6 000	9 000	...
Madagascar	8 910	13 118	14 593	16 119	*16 000
Mozambique	—	10	430	3 019	3 283
Tanzania	—	—	—	100	6 776
Zimbabwe	12 346	7 142	7 890	11 381	12 342
Canada	21 714	22 257	*23 000	*25 000	*25 000
Mexico	48 038	48 532	30 863	33 898	40 412
Brazil (b)	35 173	34 800	41 003	33 590	*35 000
China	*600 000	653 800	943 200	2 215 100	1 950 000
India	72 996	82 398	93 597	114 959	*120 000
Korea, Dem. P.R. of	*38 000	*38 000	*38 000	*40 000	*40 000
Korea, Republic of	8 412	5 910	4 300	1 938	1 113
Sri Lanka	3 269	3 033	2 500	8 000	5 600
World total	950 000	990 000	1 283 000	2 589 000	2 363 000

Note(s):

- (1) This table includes all forms of amorphous and crystalline graphite but excludes synthetic material
- (2) In addition to the countries listed, Egypt, Namibia and the USA are believed to produce graphite

(a) Crude

(b) Including beneficiated and directly shipped material

Exports of Graphite

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	1 833	2 133	2 455	1 693	9 771
Austria	5 394	4 165	5 103	5 094	5 344
France	1 851	281	735	4 286	...
Germany	7 651	7 267	8 471	11 191	9 494
Italy	355	461	164	302	...
Netherlands	3 030	471	1 128	476	574
Spain	491	768	775	478	...
Czechoslovakia (a)	*300	—	—	—	—
Czech Republic	—	2 120	2 294	2 691	2 722
Latvia (a)	...	*1 300	*2 500	...	...
Norway	3 535	5 131	7 659	29 440	29 340
Poland	4 079	902	174	1 215	...
Russia (a)	*2 000	*3 000	*4 800	*5 700	...
Ukraine (a)	...	*1 000	*700	*2 400	*3 600
Madagascar	10 671	11 182	12 700	16 500	...
South Africa (a)	*400	*500	*400	*1 300	*1 600
Zimbabwe	11 849	6 843	9 077	49 204	...
Canada	21 051	21 376	21 717	...	20 585
Mexico	9 048	13 901	15 916	15 108	...
USA	19 384	17 548	20 853	38 217	27 158
Brazil	8 956	9 961	9 668	11 899	11 478
China	154 869	145 426	181 767	193 648	158 368
Hong Kong (c)	2 427	2 111	930	175	219
India (b)	504	698	674	659	...
Japan	1 928	2 047	3 052	3 436	3 055
Korea, Dem. P.R. of (a)	*6 900	*2 500	*6 300	*3 100	...
Korea, Republic of	11 563	7 748	5 623	3 551	2 371
Sri Lanka	2 163	3 560	4 089	4 816	...

Note(s):

(1) This table excludes synthetic graphite

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 31 March following that stated

(c) Re-exports

Imports of Graphite

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	20 895	24 678	27 983	30 244	25 446
Austria	4 022	4 302	5 524	7 486	7 038
Belgium-Luxembourg	939	1 516	3 229	1 582	1 826
Denmark	1 687	1 104	602	432	405
Finland	139	66	345	389	...
France	3 820	3 342	19 370	3 221	...
Germany	35 532	22 969	28 671	36 110	41 345
Greece	127	128	87	499	...
Italy	9 213	7 793	10 626	10 261	...
Netherlands	4 431	4 830	3 457	21 269	8 604
Portugal	489	227	400	400	400
Spain	3 472	5 642	5 833	8 137	...
Sweden	829	819	1 052	595	496
Czechoslovakia (d)	*100	—	—	—	—
Czech Republic	—	654	737	977	1 176
Hungary	591	501	520	721	804
Norway	294	176	340	831	212
Poland	5 344	3 364	1 433	1 948	...
Switzerland	237	174	370	476	440
Turkey	2 608	3 433	6 869	5 712	5 093
Yugoslavia, Federal Republic of	446	...	...	...	...
Egypt	308	290	700	200	...
Mauritius	158	...	...	...	...
South Africa	5 079	6 240	4 123	2 963	...
Canada	8 196	6 539	6 426	6 691	6 836
Mexico	2 681	2 364	2 142	3 022	...
USA	46 780	52 171	53 133	61 520	53 394
Argentina	507	852	1 420	747	...
Venezuela	1 001	772	1 058	994	...
Hong Kong	1 569	9 492	732	449	298
India (c)	317	592	959	773	...
Indonesia	1 205	923	1 101	2 206	...
Iran (a)	266	945	2 133	...	...
Japan	73 258	66 135	84 797	96 366	87 029
Korea, Republic of	57 464	37 086	37 676	27 732	65 959
Malaysia	1 576	1 157	1 004	1 300	...
Pakistan (b)	2 838	4 086	1 936	...	...
Philippines	105	354	406	269	...
Singapore	1 034	1 069	943	1 132	594
Taiwan	7 598	8 008	6 998	11 538	...
Thailand	1 247	1 537	1 350	1 160	...
Australia (b)	2 417	2 444	...	...	...

Note(s):

(1) This table excludes synthetic graphite

(a) Years ended 20 March following that stated

(b) Years ended 30 June of that stated

(c) Years ended 31 March following that stated

(d) BGS estimates, based on known exports from certain countries

Gypsum

Production of Gypsum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	*2 500 000	*2 500 000	*2 000 000	*2 000 000	*2 000 000
Austria					
Gypsum	714 275	788 865	970 170	873 404	900 063
Anhydrite	78 059	87 476	100 139	85 026	96 324
France	*5 000 000	*5 000 000	*5 000 000	4 800 000	4 550 000
Germany (a)	2 021 000	2 678 000	2 830 000	2 662 000	2 315 000
Greece (a)	452 037	445 600	453 722	485 353	*450 000
Irish Republic	343 000	317 600	367 300	406 000	422 800
Italy	1 382 333	1 383 383	1 361 017	1 200 000	*1 200 000
Portugal	471 466	497 831	521 384	537 621	...
Spain	6 759 700	6 466 700	8 800 000	9 000 000	...
Azerbaijan	*100 000	*75 000	*60 000	*50 000	*55 000
Bosnia & Herzegovina	*54 000	*33 000	*33 000	*33 000	*33 000
Bulgaria (a)	*125 000	*100 000	*100 000	163 000	168 900
Croatia	*57 000	*27 000	—	—	—
Czechoslovakia (a)	*700 000	—	—	—	—
Czech Republic (a)	—	560 000	591 000	542 000	443 000
Hungary	*120 000	125 000	151 000	198 000	*190 000
Latvia	*100 000	60 500	61 026	80 163	77 226
Macedonia	37 206	35 702	33 449	*30 000	*30 000
Moldova	*75 000	*25 000	14 600	13 600	*14 000
Poland					
Gypsum	752 000	728 000	944 000	866 000	(a) 1 028 000
Anhydrite	91 000	103 700	111 400	156 900	...
Romania	*800 000	*100 000	123 575	110 758	71 700
Russia	*1 800 000	*1 500 000	*1 200 000	*1 200 000	*850 000
Slovakia (a)	—	75 000	122 000	131 000	*110 000
Slovenia	*10 000	*10 000	*10 000	*10 000	*10 000
Switzerland	324 000	299 000	298 000	*300 000	*300 000
Turkey	278 000	541 000	486 704	596 967	995 835
Yugoslavia, Federal Republic of	47 865	*45 000	40 411	40 342	44 257
Algeria	*150 000	*150 000	*150 000	*175 000	*175 000
Angola	*57 000	*50 000	*50 000	*50 000	*50 000
Egypt (b)	1 425 383	1 199 068	1 481 000	2 361 000	...
Ethiopia (d)	2 650	*2 500	30 700	124 000	*124 000
Kenya	*36 000	*36 000	*36 000	*36 000	*36 000
Libya	*180 000	*160 000	*160 000	*160 000	*160 000
Mauritania	4 060	3 240	4 230	10 100	12 500
South Africa	333 771	284 389	304 377	288 178	362 010
Tanzania	15 031	52 243	53 000	—	—
Tunisia	*100 000	*100 000	*100 000	*100 000	*100 000
Canada					
Gypsum	7 413 000	7 710 000	9 010 000	8 259 000	8 280 000
Anhydrite	152 771	168 200	174 800	204 300	188 000
Cuba	*125 000	*125 000	*125 000	*130 000	*130 000
Dominican Republic	83 306	*85 000	*83 000	*85 000	*85 000
El Salvador	*5 000	*5 000	*5 300	*5 400	*5 000
Guatemala	72 608	77 035	42 019	...	27 761
Honduras	*26 000	*26 000	*26 000	*26 000	*26 000
Jamaica	144 977	152 185	203 700	208 017	338 875
Mexico	5 157 950	5 339 746	5 040 400	4 854 339	6 064 682
Nicaragua	9 115	10 300	27 800	...	...
USA	14 759 000	15 812 000	17 200 000	16 600 000	17 500 000
Argentina	514 274	519 181	515 269	531 735	522 000
Brazil (e)	*800 000	726 567	792 174	817 290	*1 000 000
Chile	423 659	510 515	551 821	464 060	...
Colombia	670 681	439 467	*450 000	*450 000	*450 000
Ecuador	105 500	104 900	108 200	*110 000	*100 000
Paraguay	*4 500	*4 500	*4 500	*4 500	*4 500
Peru	35 300	38 047	15 161	20 526	49 245
Uruguay	209 057	217 474	90 367	...	...
Venezuela	207 165	210 000	134 787	100 000	30 000

Production of Gypsum

tonnes

Country	1992	1993	1994	1995	1996
Afghanistan	*3 000	*3 000	*3 000	*3 000	*3 000
Bhutan	25 000	*20 000	45 097	52 102	*55 000
China	11 970 000	10 600 000	6 820 000	7 340 000	*8 000 000
Cyprus	35 470	90 000	90 000	150 000	150 000
India	1 300 000	1 728 928	1 729 775	1 739 210	*1 700 000
Iran (c)	8 252 808	7 799 443	7 948 387	8 085 263	*8 000 000
Iraq	*380 000	*450 000	*450 000	*450 000	*450 000
Israel	47 663	*48 000	*48 000	*48 000	*48 000
Jordan	83 038	194 981	*193 000	*190 000	*190 000
Laos	90 745	129 757	102 217	110 000	...
Lebanon	*2 000	*2 000	*2 000	*2 000	*2 000
Mongolia	*25 000	*25 000	*25 000	*25 000	*25 000
Myanmar (f)	29 814	30 494	36 053	37 011	28 599
Oman	48 150	112 882	121 446	104 490	...
Pakistan (a)	471 000	534 565	607 279	313 868	503 915
Philippines	25 000	*25 000	*25 000	*25 000	*25 000
Saudi Arabia	272 641	326 661	*375 000	*375 000	*375 000
Syria	234 000	300 000	302 000	335 683	*340 000
Taiwan	1 673	3 182	2 876	3 135	*3 000
Tajikistan	*500 000	*400 000	*300 000	*200 000	*150 000
Thailand	7 111 029	7 454 806	8 139 817	8 533 225	*8 900 000
Turkmenistan	*300 000	*200 000	*150 000	216 427	169 577
Vietnam	*30 000	*30 000	*30 000	*30 000	*30 000
Yemen, Republic of	77 898	80 000	*80 000	*80 000	*80 000
Australia	2 000 000	2 087 000	*2 000 000	*2 000 000	*2 000 000
World total	91 700 000	91 600 000	93 400 000	93 400 000	96 300 000

Note(s):

Some countries produce large quantities of synthetic gypsum.

Where possible, this output is excluded from the table.

- (a) Including anhydrite
- (b) Years ended 30 June of that stated
- (c) Years ended 20 March following that stated
- (d) Years ended 7 July of that stated
- (e) Including beneficiated and directly shipped material
- (f) Years ended 31 March following that stated

Gypsum

Exports of Gypsum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Crude	13 545	5 556	4 289	2 884	2 099
Calcined	12 955	16 108	19 260	23 362	24 885
Austria					
Crude	47 606	58 522	69 861	...	...
Calcined	108 371	101 615	131 354	...	...
Belgium-Luxembourg					
Crude	20 359	20 325	22 951	59 370	24 144
Calcined	131 612	152 728	213 409	3 157	3 048
Denmark					
Crude & calcined	27 719	29 791	50 520	15 263	59 378
of which: Re-exports	20 655	...	...	...	...
France					
Crude	726 881	528 752	524 429	472 467	...
Calcined	283 188	241 248	336 091	491 318	...
Germany					
Crude	348 173	240 766	244 740	241 464	222 957
Calcined	519 492	756 330	798 789	806 568	888 118
Greece	19 680	30 100	21 749	22 958	...
Irish Republic					
Crude	37 552	41 305	80 359	508	546
Calcined	36 410	39 618	39 494	36 129	25 620
Italy					
Crude	44 119	44 715	38 821	47 114	...
Calcined	16 034	15 623	28 442	25 812	...
Netherlands					
Crude	63 132	103 362	158 277	56 772	38 187
Calcined	12 999	14 790	10 494	5 994	2 955
Spain					
Crude	2 208 313	2 179 893	2 121 212	2 589 985	...
Calcined	135 132	114 455	12 058	153 541	...
Sweden					
Crude & calcined	535	4 144	445	684	376
Czech Republic	—	112 755	122 847	101 016	86 176
Latvia	12 000	62 688	49 045	64 090	40 052
Poland					
Crude & calcined	21 379	6 851	20 891	32 607	...
Romania	1 983	2 659	2 610	8 780	6 738
Switzerland					
Crude & calcined	14 564	13 272	15 409	14 437	19 842
Turkey					
Crude & calcined	3 071	6 554	11 109	13 036	18 090
Morocco					
Crude	166 638	...	...	...	...
Calcined	1 782	...	...	...	...
South Africa	1 980	2 932	—	—	—
Tunisia					
Crude & calcined	2 905	...	6 508	...	...
Canada					
Crude	5 074 804	5 360 459	5 972 862	5 579 127	5 604 532
Calcined	6 586	22 997	1 694	2 871	2 894
Guatemala	10 528	12 658	20 946	22 038	...
Jamaica	115 437	168 034	246 036	191 417	192 178
Mexico	2 481 371	2 868 913	3 286 416	3 491 049	...
USA					
Crude	260 794	192 426	167 536	109 726	233 443
Calcined	137 173	156 769	153 870	161 535	142 593
Argentina	26 588	8 136	21 061	41 231	...
Colombia	10 665	23 240	...	11 426	...
Venezuela	19 563	42 151	28 602	14 527	...
Abu Dhabi					
Crude & calcined	...	1 197	...	...	...
China	70 675	82 032	48 170	80 286	79 318

Exports of Gypsum

tonnes

Country	1992	1993	1994	1995	1996
Cyprus					
Crude & calcined	10 050	7 138	130 103	126 448	196 622
Hong Kong (c)	40 579	26 366	230 214	458 066	213 163
India (b)					
Crude & calcined	5 812	14 394	28 428	43 770	...
Indonesia					
Crude	61 607	15 750	5 500	0	...
Iran (d)	15 567	32 073	32 115	...	...
Japan					
Crude	2 247	2 291	2 601	1 844	1 712
Calcined	5 619	5 334	6 413	5 160	4 679
Korea, Republic of					
Crude	34	1 138	687	43	39
Calcined	1 815	2 142	5 237	5 890	6 560
Philippines					
Crude	38 971	15 118	52 253	14 959	...
Saudi Arabia					
Crude & calcined	46 266	...	43 250	...	...
Singapore					
Crude & calcined	6 406	7 394	11 930	11 558	20 355
of which: Re-exports	4 802	4 896	6 807	5 321	2 881
Syria	86 664	91 924	...	53 893	...
Taiwan	9 801	13 950	24 824	18 688	...
Thailand					
Crude	17 062 990	6 336 123	6 492 562	6 511 788	5 593 965
Calcined	43 881	52 347	63 201	73 450	...
Australia (a)					
Crude & calcined	166 828	170 182	...	...	...

Note(s):

(1) In this table the term 'crude' may include some anhydrite

- (a) Years ended 30 June of that stated
- (b) Years ended 31 March following that stated
- (c) Re-exports
- (d) Years ended 20 March following that stated

Gypsum

Imports of Gypsum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Crude	371 952	496 278	412 538	*800 000	640 883
Calcined	125 246	37 486	42 960	55 364	42 301
Austria					
Crude	6 819	8 999	14 923	...	...
Calcined	9 731	9 225	21 391	...	...
Belgium-Luxembourg					
Crude	522 367	733 561	665 494	644 976	610 516
Calcined	251 693	263 036	336 546	396 698	356 036
Denmark					
Crude	185 960	361 410	242 511	350 172	339 249
Calcined	122 252	10 329	17 591	27 285	6 787
Finland					
Crude	157 691	137 283	145 131	117 377	...
Calcined	8 186	8 912	5 349	6 133	...
France					
Crude	104 387	222 227	200 473	190 787	...
Calcined	56 336	37 332	47 012	18 695	...
Germany					
Crude	378 338	230 686	285 461	190 479	177 105
Calcined	232 647	182 611	238 835	142 560	99 327
Greece					
Crude	48	244	86	5 729	...
Calcined	1 906	2 379	1 396	2 506	...
Irish Republic					
Crude	550	1 095	1 201	2 820	1 307
Calcined	5 740	3 962	3 258	4 263	3 793
Italy					
Crude	27 369	1 493	5 763	7 196	...
Calcined	45 154	22 323	19 386	19 470	...
Netherlands					
Crude	210 682	209 292	199 304	222 976	284 693
Calcined	199 337	171 134	109 948	317 815	344 334
Portugal					
Crude	63 465	23 181	...	...	25 784
Calcined	62 135	74 441	(d) 129 224	(d) 143 378	134 296
Spain					
Crude	3 730	25 846	490	117	...
Calcined	27 759	21 865	16 388	30 134	...
Sweden					
Crude	355 621	304 448	277 190	192 763	213 335
Calcined	5 599	5 627	6 165	20 962	109 118
Croatia					
Crude & calcined	32 939	—	...	18 287	25 918
Czechoslovakia (a)	*23 600	—	—	—	—
Czech Republic	—	46	1 813	7 622	22 088
Hungary					
Crude	...	74 133	56 822	...	...
Calcined	50 800	2 698	4 298	...	...
Iceland	5 719	3 599	4 558	4 617	4 033
Norway					
Crude	43 841	51 953	88 788	66 096	43 157
Calcined	274 885	194 845	208 560	244 012	262 186
Poland					
Crude	7 705	8 435	4 080	7 127	...
Calcined	10 705	16 528	18 201	19 148	...
Russia (a)	*3 200	*2 800	*8 100	*37 600	...
Slovakia					
Crude & calcined	—	127 171	...	...	...
Slovenia (a)	*27 800	*42 000	*46 000	*36 000	...
Switzerland					
Crude	48 702	49 642	46 986	48 151	46 420
Ground & calcined	67 061	61 878	73 616	66 464	62 421
Turkey	16 763	27 107	5 935	47 859	8 059

Imports of Gypsum

Country	1992	1993	1994	1995	1996
Senegal					
Crude & calcined	26 903	...	...	...	...
South Africa					
Crude & calcined	8 693	6 971	7 762	8 276	...
Tunisia					
Crude & calcined	412	...	673	...	...
Canada					
Crude	260 505	280 581	292 156	177 326	237 158
Calcined	31 992	34 965	37 185	35 375	33 077
Costa Rica					
Crude & calcined	36 473	27 604	39 434	...	...
El Salvador					
Crude & calcined	16 485	12 435	49 373	...	...
Guadeloupe	12 010	...	...	7 980	...
Martinique	19 491	11 068	...	4 370	...
Mexico					
Crude	18 709	3 529	890	1 469	...
Calcined	6 088	16 929	21 487	21 134	...
Panama	23 286	15 442	37 585	21 124	...
Trinidad & Tobago					
Crude & calcined	17 155	28 099	50 675	12 843	...
USA					
Crude	7 166 122	7 392 972	8 469 787	8 158 996	8 050 996
Ground & calcined	6 291	22 526	4 112	8 486	10 766
Colombia	25 807	118 711	103 554	154 714	...
Ecuador	1 751	4 233	35 210	44 852	...
Paraguay					
Crude & calcined	...	6 240	10 923	15 131	...
Uruguay					
Crude & ground	1 322	1 953	...	...	...
Venezuela	129 052	141 715	156 934	192 148	...
Abu Dhabi	14 798	19 301	20 087	29 445	26 039
Bahrain	...	13 498	...	...	...
China					
Crude	12 616	27 477	4 517	3 978	3 870
Calcined	5 102	6 904	10 507	15 542	15 561
Hong Kong	125 712	115 534	124 788	95 384	79 069
India (c)					
Crude & calcined	5 445	8 556	13 132	23 185	...
Indonesia	232 364	193 077	283 423	230 302	...
Israel (a)	*6 800	*4 000	*4 100	*6 500	...
Japan					
Crude	3 815 987	3 729 621	4 120 149	3 982 086	4 090 538
Calcined	5 773	6 467	7 076	3 337	3 400
Jordan	3 231	7 826	10 234	...	...
Korea, Dem. P.R. of (a)	*110 600	*94 100	*42 500	*23 200	...
Korea, Republic of	379 713	492 833	646 764	783 772	834 899
Kuwait					
Crude	...	99 405	151 461	217 856	...
Macao	29 612	...	34 831	36 016	...
Malaysia					
Crude & calcined	273 287	297 325	476 708	...	...
Oman	4 407	4 996	...	...	...
Philippines					
Crude	178 400	123 314	144 975	198 723	...
Calcined	12 598	10 415	13 217	12 298	...
Qatar	9 413	9 491	...	...	...
Saudi Arabia	26 090	48 247	20 190	...	...
Singapore					
Crude & calcined	113 047	104 341	125 306	137 797	175 992
Sri Lanka	21 856	30 219	36 435	45 529	...
Taiwan					
Crude	618 876	836 887	735 191	783 557	...
Calcined	2 875	4 349	6 010	6 162	...

Gypsum

Imports of Gypsum

tonnes

Country	1992	1993	1994	1995	1996
Thailand					
Crude	52 070	100 260	238	660	...
Calcined	6 108	6 863	7 953	6 883	...
Australia (b)	47 243	117 272	...	...	...
New Caledonia					
Crude & calcined	6 320	8 117	5 873	6 410	5 361
New Zealand (b)					
Crude & calcined	150 686	95 746	126 817	164 011	...

Note(s):

(1) In this table the term 'crude' may include some anhydrite

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 30 June of that stated

(c) Years ended 31 March following that stated

(d) Including 'crude'

Production of Iodine

kilograms

Country	1992	1993	1994	1995	1996
Azerbaijan	*600 000	*500 000	*400 000	*350 000	*300 000
Russia	*200 000	*180 000	*160 000	*160 000	*150 000
USA	1 995 000	1 935 000	1 628 000	1 220 000	1 270 000
Chile	5 838 830	4 458 700	4 883 225	6 400 616	6 332 255
China	*500 000	*500 000	*500 000	*500 000	*500 000
Indonesia	*35 000	14 180	89 098	76 824	*75 000
Japan	6 764 000	6 489 000	5 592 000	5 492 000	*5 500 000
Turkmenistan	*600 000	*600 000	*251 000	136 700	255 000
World total	16 500 000	14 700 000	13 500 000	14 300 000	14 400 000

Iodine

Exports of Iodine

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom	59 284	239 219	167 212	314 960	223 081
Belgium-Luxembourg	3 700	564 500	478 600	112 000	...
Denmark	800	—	—	—	—
France	108 000	66 000	35 700	53 000	...
Germany	217 800	282 000	521 800	584 400	432 700
Italy	1 700	2 100	2 900	...	...
Spain	7 000	8 000	4 000	8 000	...
Switzerland	2 544	1 539	979	666	1 008
Canada	1 650	8 580	17 396	47 167	35 755
USA	1 629 162	1 120 156	1 191 438	1 666 488	2 576 096
Chile	5 838 830	4 458 700	4 883 225	6 400 616	6 332 255
Indonesia	29 000	11 066	71 000	75 000	...
Japan	4 324 520	4 868 253	6 225 195	5 337 758	5 572 130
Taiwan	25	60	309	2	...

Imports of Iodine

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom	1 451 236	1 661 559	1 654 445	1 854 757	3 342 779
Austria	5 000	11 600	12 700	17 500	42 000
Belgium-Luxembourg	29 300	249 400	21 000	27 000	...
Denmark	30 200	300	3 500	26 200	20 300
Finland	7 000	5 000	...	53 000	...
France	882 000	1 278 000	1 489 100	1 397 000	...
Germany	1 053 600	1 000 300	943 900	1 217 200	1 232 500
Greece	1 000	1 000	...	...	...
Italy	953 400	718 200	656 800	...	...
Netherlands	686 000	679 000	954 000	952 000	...
Portugal	...	12 100	...	...	15 600
Spain	459 000	678 000	140 000	674 000	...
Sweden	4 000	4 000	2 000	...	...
Hungary	—	15 100	6 400	...	...
Norway	437 000	311 000	539 000	591 000	439 000
Poland	56 000	73 000	67 000	47 000	...
Switzerland	73 316	79 292	84 383	74 981	65 784
Yugoslavia, Federal Republic of	9 000	...	...	...	...
South Africa	29 489	...	...	...	...
Tunisia	...	...	266	...	...
Canada	141 286	219 120	343 094	393 931	426 522
Mexico	...	764 920	1 108 598	1 685 447	...
USA	3 654 772	3 548 544	4 218 987	3 840 470	4 649 705
Brazil	...	367 000	409 000	411 000	...
Colombia	22 632	...	...	...	...
Uruguay	1 900	1 300	1 700	1 500	...
Venezuela	6 637	8 045	2 956	...	...
China	174 376	9 924	20 727	143 292	41 258
India (a)	519 060	664 316	819 232	601 579	...
Indonesia	5 207	7 730	...	...	...
Japan	604 750	115 900	229 100	334 400	142 800
Korea, Republic of	16 571	8 225	21 102	31 520	24 191
Pakistan (b)	27 534	38 391	19 670	...	...
Sri Lanka	20 009	20 053	44	741	...
Taiwan	22 180	18 961	23 815	34 112	...
Thailand	8 296	10 423	11 879	11 497	...
Australia (b)	19 203	27 552	...	...	...
New Zealand (b)	13 614	14 296	26 221	28 257	...

(a) Years ended 31 March following that stated

(b) Years ended 30 June of that stated

Production of Iron Ore

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	30 900	1 068	1 271	1 051	*1 200
Austria	1 627 000	1 427 000	1 644 000	2 107 000	1 860 300
Finland	35 000	17 000	11 000	—	...
France	5 707 000	3 550 000	2 418 000	1 497 000	1 300 000
Germany (f)	109 468	145 640	145 760	68 720	120 334
Portugal (f)	14 545	16 175	14 330	14 535	18 620
Spain	2 967 081	2 505 934	2 082 276	2 307 000	1 269 000
Sweden	19 277 000	18 728 000	19 909 000	21 662 000	21 288 000
Albania (b)	21 000	...	...	...	...
Azerbaijan	*400 000	*300 000	*200 000	*150 000	...
Bosnia & Herzegovina	*500 000	*250 000	*200 000	*150 000	*100 000
Bulgaria	393 000	452 000	466 000	468 600	770 000
Czechoslovakia	1 500 000	—	—	—	—
Macedonia	*20 000	*20 000	*20 000	*20 000	...
Norway	2 258 409	2 182 184	2 459 955	2 071 673	1 734 745
Romania	1 229 000	903 500	950 800	865 000	...
Russia	82 100 000	76 100 000	73 300 000	78 300 000	72 100 000
Slovakia	—	1 092 000	1 021 000	1 046 000	1 000 000
Turkey	5 579 000	5 070 000	5 772 046	4 931 176	5 253 413
Ukraine	75 689 000	65 335 000	51 500 000	50 700 000	46 700 000
Yugoslavia, Federal Republic of	38 934	25 690	9 320	5 520	5 200
Algeria	2 523 000	2 311 000	2 047 000	2 202 000	2 245 000
Egypt (d)	2 287 000	2 229 000	2 703 000	2 433 000	2 429 901
Liberia	1 710 000	...	...	...	...
Mauritania	9 110 000	9 362 000	11 400 000	11 300 000	11 400 000
Morocco	84 679	66 318	65 233	47 192	11 842
Nigeria	*400 000	*400 000	*400 000	*168 000	...
South Africa (c)	28 225 859	29 385 168	32 321 215	31 945 511	30 660 276
Tunisia	291 000	298 800	235 000	224 000	238 000
Zimbabwe	1 179 400	374 493	3 500	311 352	430 312
Canada (g)	32 697 000	30 505 000	36 566 000	37 288 000	36 009 000
Mexico	7 809 000	8 480 000	8 358 000	8 523 000	9 257 000
USA	55 593 000	55 661 000	58 382 000	62 489 000	62 073 000
Argentina	5 958	3 267	67 000	1 000	...
Bolivia	34 956	32 108	—	—	—
Brazil (a)	150 564 708	154 062 090	177 366 940	184 540 460	191 000 000
Chile	7 224 030	7 379 016	8 340 505	8 431 647	9 081 481
Colombia	674 219	544 775	609 915	734 000	550 000
Peru	2 848 071	5 203 991	6 943 437	5 975 967	4 304 498
Venezuela	18 887 115	16 851 071	18 318 000	18 954 000	18 480 000
China	210 220 000	225 990 700	250 560 000	262 099 600	252 282 700
India	54 870 000	57 375 000	60 473 000	66 751 000	67 000 000
Indonesia	287 821	341 335	334 895	348 371	425 101
Iran (e)	4 193 650	8 652 900	6 244 735	6 463 440	...
Japan	39 791	10 621	3 058	2 959	3 563
Kazakhstan	17 671 000	13 128 900	20 093 800	29 108 400	*25 000 000
Korea, Dem. P.R. of	*9 500 000	*9 500 000	*9 000 000	8 000 000	8 000 000
Korea, Republic of	221 592	218 663	191 313	184 443	221 163
Malaysia (g)	319 919	245 849	243 182	202 322	325 114
Thailand	427 242	208 939	142 795	34 480	*50 000
Australia	112 115 000	120 534 000	128 493 000	142 936 000	152 203 000
New Zealand	2 934 111	2 388 783	2 080 115	2 362 000	2 400 000
World total	934 000 000	942 000 000	1 006 000 000	1 062 000 000	1 049 000 000

Note(s):

(1) In addition to the countries listed, Vietnam is believed to produce iron ore

(a) Including beneficiated and direct shipping ore

(b) Nickeliferous iron ore

(c) Including by-product magnetite

(d) Years ended 30 June of that stated

(e) Years ended 20 March following that stated

(f) Including manganiferous iron ore

(g) Including by-product iron ore

Exports of Iron Ore

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	2 135	5 854	1 847	838	840
Belgium-Luxembourg					
Iron ore	20 340	9 162	64 866	35 404	67 208
Burnt pyrites	17 478	5 766	1 572	—	...
Denmark					
Iron ore	1 444	—	19	—	—
Burnt pyrites	1 093	—	22	4	—
France	2 874 808	2 795 566	2 441 929	1 639 443	1 294 000
Germany					
Iron ore	76 553	100 275	85 756	65 232	34 034
Burnt pyrites	9 998	11 104	35 919	16 165	12 886
Italy					
Iron ore	121	5 991	154	94	...
Burnt pyrites	66 350	10 171	50 628	8 511	...
Netherlands (b)	27 794	1 412 748	29 837	166 013	308 980
Spain					
Iron ore	1 879 336	1 505 107	1 516 162	1 479 841	...
Burnt pyrites	104 009	131 186	137 508	139 156	...
Sweden					
Iron ore	15 435 000	16 418 000	15 394 000	16 917 210	15 172 628
Burnt pyrites	146 000	23 000	...	767	...
Norway					
Iron ore	2 281 251	2 505 979	2 092 396	1 018 254	610 787
Burnt pyrites	128 995	153 133	172 612	153 439	155 982
Poland	632 021	118 980	54 435	130 480	30 396
Russia	8 210 000	10 570 000	9 800 000	11 400 000	7 800 000
Slovakia (d)	—	*52 000	*92 000	...	...
Slovenia					
Burnt pyrites	12 224	(d) *4 100	(d) *4 000	...	...
Ukraine (d)	*9 470 000	*10 357 000	*7 213 000	...	...
Yugoslavia, Federal Republic of					
Burnt pyrites	2 171	...	...	...	...
Algeria	41 000	29 000	36 000	12 000	...
Liberia	1 539 000	332 000	...	180 000	...
Mauritania	8 094 000	9 655 000	10 342 000	11 514 000	11 158 000
Morocco					
Iron ore	58 523	1 977	2 761	...	...
Burnt pyrites	—	48 380	29 500	27 450	...
South Africa	14 867 545	19 024 024	19 605 138	21 847 012	19 304 460
Tunisia	8 685	8 831	8 228	11 000	...
Canada	25 131 837	26 140 286	30 125 391	28 840 291	28 880 500
USA (b)	5 162 528	5 068 726	4 930 993	5 227 162	6 244 606
Bolivia	50 316	39 003	2 500	—	—
Brazil	105 011 089	114 375 430	123 062 432	130 178 346	128 989 782
Chile	6 620 645	5 809 386	6 938 960	6 161 316	6 982 429
Peru	3 022 380	4 714 934	6 063 064	6 100 000	4 100 000
Venezuela	10 002 552	10 659 000	10 711 000	10 612 000	9 528 000
India (c)	22 166 619	26 856 590	24 004 646	31 719 565	*31 660 000
Kazakhstan (d)	*92 000	*95 000	*109 000	*138 000	...
Korea, Dem. P.R. of (d)	*786 000	*490 000	*300 000	*231 000	...
Malaysia	197 307	29 868	1 707	2 973	...
Philippines					
Iron ore	3 882 726	4 100 000	4 708 759	4 831 000	...
Burnt pyrites	16 148	17 506	11 353	...	...
Australia	103 487 000	111 527 000	119 093 000	119 263 000	128 274 000
New Zealand (a)	1 006 369	1 234 766	1 232 504	1 231 527	1 229 742

(a) Years ended 30 June of that stated

(b) Including burnt pyrites

(c) Years ended 31 March following that stated

(d) BGS estimates, based on known imports into certain countries

Imports of Iron Ore

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Iron ore	15 799 744	15 924 591	19 466 890	20 705 671	20 304 336
Burnt pyrites	52 316	2 360	5	8 188	3 555
Austria					
Iron ore	3 915 271	3 590 300	3 921 881	4 636 000	4 335 000
Burnt pyrites	13 864	6 003	18 257	2 427	1 065
Belgium-Luxembourg					
Iron ore	17 994 255	15 766 015	17 008 208	15 330 478	12 862 634
Burnt pyrites	9 636	27	2 673	245	44
Denmark					
Iron ore	1 866	8 294	33 586	11 406	4 565
Burnt pyrites	35 534	39 871	37 825	56 850	48 625
Finland	3 363 738	3 360 628	3 617 463	2 964 991	3 273 000
France					
Iron ore	17 368 442	16 598 871	20 098 179	20 204 325	18 244 000
Burnt pyrites	43 004	26 624	8 604	17 196	...
Germany					
Iron ore	41 316 824	35 264 036	42 693 538	43 219 670	39 303 336
Burnt pyrites	157 630	240 681	79 313	96 560	71 484
Greece					
Burnt pyrites	42 338	38 537	45 405	65 276	...
Italy (a)	15 220 010	16 740 560	16 402 741	18 306 000	16 500 000
Netherlands (a)	7 532 106	8 560 427	8 568 657	8 748 707	8 558 056
Portugal	569 000	486 602	593 827	689 164	454 811
Spain	6 951 155	6 664 477	7 584 042	7 190 450	...
Sweden	355 000	587 000	382 000	183 000	144 669
Bulgaria	346 100	878 500	723 300	1 362 000	...
Czechoslovakia	6 658 000	—	—	—	—
Czech Republic	—	7 550 000	7 282 000	9 141 000	8 255 000
Hungary	1 286 982	818 932	2 179 368	2 090 682	2 315 584
Iceland	17 000	22 000	17 000	20 000	...
Lithuania					
Burnt pyrites	...	...	7 654	6 755	...
Norway	(a) 131 527	(a) 619 405	6 836	68 461	470 188
Poland					
Iron ore	8 039 345	8 776 162	8 413 598	10 529 085	9 803 503
Burnt pyrites	—	—	3 413	346 360	...
Romania	2 346 181	3 573 503	5 452 091	6 278 469	5 843 451
Slovakia	—	5 298 060	4 865 000	...	...
Switzerland (a)	14 221	15 434	23 030	21 341	18 579
Turkey	1 887 000	1 684 986	1 951 329	3 221 358	2 991 253
Yugoslavia, Federal Republic of	1 065 233	*750 000	*400 000	*250 000	...
Egypt	1 267 496	1 180 000	599 049	...	...
Libya	987 000	1 302 000	*1 300 000	*1 300 000	...
Nigeria (a)	160 000	*160 000	*160 000	*150 000	...
Tunisia	88 066	80 974	81 399	45 000	...
Canada	5 280 481	5 436 091	5 235 832	5 968 843	6 873 506
Mexico	109 968	23 460	34 573	824 207	...
Trinidad & Tobago	253 343	199 417	1 450 526	1 531 650	...
USA (a)	12 438 198	14 059 221	17 649 717	17 395 498	18 396 735
Argentina	3 574 092	3 204 605	3 819 661	4 361 701	...
Paraguay					
Iron ore	16 376	8 238	47 403	97 148	...
Burnt pyrites	130 206	116 563	47 008	6 615	...
Abu Dhabi	26 352	60 262	39 881	66 652	*33 000
China					
Iron ore	25 171 190	32 675 989	37 231 349	41 057 844	43 873 023
Burnt pyrites	53 083	370 830	111 557	96 011	937
India (d)	26 263	163 828	1 522 903	879 131	...
Indonesia					
Iron ore	307 194	730 574	373 679	495 225	...
Burnt pyrites	1 967 824	1 393 536	1 232 721	2 011 921	...

Imports of Iron Ore

Country	1992	1993	1994	1995	1996
Iran					
Iron ore (b)	*1 163 000	*2 291 000	*2 752 000	*2 944 000	...
Burnt pyrites (e)	33 945	37 224	60 030	...	...
Japan	113 742 502	114 483 512	116 089 531	120 434 681	119 204 779
Korea, Republic of					
Iron ore	31 778 699	35 533 540	34 200 227	35 046 110	22 568 274
Burnt pyrites	4 985	15 265	49 767	29 181	—
Malaysia	722 602	1 404 236	1 247 012	1 757 000	...
Oman	4 158	4 039	*4 000	1 000	...
Pakistan (c)	1 587 159	1 572 274	2 071 200	...	...
Philippines	3 323 938	...	3 253 935	...	...
Qatar	787 205	222 630	895 000	*450 000	...
Saudi Arabia	2 170 393	2 760 377	3 268 188	*3 350 000	...
Taiwan	7 250 604	9 019 275	8 341 715	9 192 402	10 075 000
Australia	3 474 000	3 487 000	4 001 000	4 197 000	4 081 000

(a) Including burnt pyrites

(b) BGS estimates, based on known exports from certain countries

(c) Years ended 30 June of that stated

(d) Years ended 31 March following that stated

(e) Years ended 20 March following that stated

Production of Pig Iron

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	11 542 400	11 534 000	11 942 800	12 235 800	12 830 200
Austria	3 074 169	3 070 343	3 319 884	3 878 212	3 416 000
Belgium	8 524 000	8 178 000	8 979 387	9 198 831	8 626 651
Finland	2 452 000	2 535 000	2 597 000	2 242 000	2 457 000
France	12 730 180	12 334 697	12 917 087	12 760 233	11 999 457
Germany	27 569 000	27 150 000	30 203 000	30 238 000	*30 370 000
Italy	10 524 000	11 187 000	11 159 000	11 664 000	*12 000 000
Luxembourg	2 255 200	2 412 000	1 926 890	1 028 230	829 010
Netherlands	4 846 600	5 405 200	5 554 400	5 646 500	5 543 900
Portugal	402 000	398 000	415 000	415 000	423 000
Spain	5 076 000	5 388 000	5 447 000	5 128 000	4 215 000
Sweden	2 735 000	2 845 000	3 037 000	3 033 000	3 255 000
Bosnia & Herzegovina	*150 000	*100 000	*100 000	*100 000	*100 000
Bulgaria	837 000	998 000	1 441 000	1 606 700	1 513 000
Czechoslovakia	8 034 000	—	—	—	—
Czech Republic	—	4 668 000	5 280 000	5 289 000	*5 200 000
Georgia	274 000	88 000	—	—	—
Hungary	1 176 000	1 407 000	1 589 910	1 514 597	1 496 370
Macedonia	13 189	—	—	...	...
Poland	6 316 700	6 105 500	6 865 600	7 373 300	6 540 200
Romania	3 135 000	3 191 000	3 495 600	4 203 100	4 024 600
Russia	46 100 000	40 900 000	36 500 000	39 800 000	35 963 000
Slovakia	—	3 205 000	3 330 000	3 207 000	2 900 000
Switzerland	110 000	*110 000	*110 000	*100 000	*100 000
Turkey	4 936 021	4 489 000	4 604 000	4 403 000	5 280 000
Ukraine	35 400 000	27 100 000	20 200 000	18 000 000	18 143 000
Yugoslavia, Federal Republic of	512 000	62 000	16 763	107 836	535 203
Algeria	930 000	925 000	918 700	940 000	*800 000
Egypt	1 888 000	2 163 000	1 922 000	1 922 000	*1 880 000
Nigeria	53 000	39 000	40 000	36 000	*20 000
South Africa	6 498 000	6 940 000	6 982 000	7 137 000	5 906 000
Tunisia	146 600	154 100	143 700	152 000	145 000
Zimbabwe	507 000	211 000	150 000	205 000	219 000
Canada	8 621 236	8 633 301	8 106 006	8 464 191	8 638 007
Mexico	5 724 456	6 160 137	6 717 163	7 842 100	8 034 000
Trinidad & Tobago	647 700	714 500	946 700	1 039 900	954 500
USA	47 767 000	48 595 000	49 900 000	51 400 000	49 900 000
Argentina	1 993 047	2 140 226	2 658 223	2 896 058	3 403 000
Brazil	23 287 000	24 150 000	25 310 000	25 309 000	24 313 000
Chile	873 032	916 655	885 900	854 563	995 000
Colombia	307 900	238 177	244 518	312 841	286 000
Paraguay	92 136	81 233	90 018	103 130	103 000
Peru	148 036	201 332	217 348	250 239	282 000
Venezuela	4 362 535	4 431 730	4 802 745	5 099 302	5 340 000
China	75 890 000	87 388 900	97 410 000	105 292 700	107 225 000
India	15 126 000	15 674 000	17 808 000	19 025 000	19 864 000
Iran	2 757 721	1 963 000	1 883 000	1 532 000	1 867 000
Japan	73 144 000	73 041 000	73 776 217	74 904 502	74 596 833
Kazakhstan	4 666 300	3 551 700	2 432 000	2 489 000	2 536 000
Korea, Dem. P.R. of	*6 000 000	6 000 000	*6 000 000	*6 000 000	*6 000 000
Korea, Republic of	19 238 122	21 869 566	21 169 261	22 343 857	23 009 717
Pakistan (a)	1 048 130	1 267 670	1 044 710	1 100 000	1 500 000
Taiwan	5 292 000	6 116 000	5 968 000	6 056 000	6 050 000
Australia	6 388 000	6 766 000	6 467 000	7 476 000	7 381 000
World total	512 100 000	515 200 000	525 000 000	543 400 000	539 000 000

Note(s):

(1) The data in this table include sponge iron and direct reduced iron (DRI), where these have been separately identified

(a) Years ended 30 June of that stated

Production of Steel Ingots and Castings

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	16 211 900	16 624 700	17 285 800	17 603 600	17 991 700
Austria	3 600 380	2 969 501	4 398 887	4 919 840	4 442 000
Belgium	10 337 352	10 118 600	11 265 234	11 539 883	10 751 711
Denmark	591 000	603 000	722 000	653 000	722 000
Finland	1 996 573	3 256 000	3 420 000	3 176 000	3 301 000
France	17 972 490	17 106 405	18 030 510	18 100 061	17 632 984
Germany	39 711 000	37 625 000	40 837 000	42 051 000	39 793 000
Greece	923 510	1 031 000	847 612	939 170	888 000
Irish Republic	265 000	293 000	316 000	309 900	341 000
Italy	24 835 000	25 721 000	26 151 000	27 766 000	23 923 000
Luxembourg	3 068 463	3 292 942	3 778 869	3 078 812	2 897 590
Netherlands	5 439 000	6 000 100	6 171 200	6 409 100	6 325 200
Portugal	768 000	775 000	748 000	829 000	851 000
Spain	12 254 000	12 960 000	13 417 000	13 802 000	12 161 000
Sweden	4 358 000	4 592 000	4 955 000	4 953 000	4 910 000
Azerbaijan	385 000	228 000	36 000	12 000	72 000
Belarus	*544 000	766 000	873 000	742 000	894 000
Bosnia & Herzegovina	*135 000	*115 000	*115 000	*115 000	*115 000
Bulgaria	1 551 000	1 941 000	2 491 000	2 723 500	2 483 000
Croatia	101 942	73 815	63 352	45 373	46 403
Czechoslovakia	11 147 000	—	—	—	—
Czech Republic	—	6 732 000	7 085 000	7 184 000	6 434 000
Georgia	532 000	219 000	111 000	84 000	69 000
Hungary	1 541 000	1 753 000	1 937 000	1 864 657	1 979 058
Latvia	247 800	300 393	331 955	279 326	293 167
Macedonia	*140 000	123 000	92 000	33 000	27 000
Moldova	619 000	604 000	632 000	663 000	636 000
Norway	446 234	505 318	454 000	503 278	510 850
Poland	9 866 500	9 938 800	11 113 300	11 890 400	10 432 300
Romania	5 376 000	5 446 000	5 800 000	6 556 900	6 081 500
Russia	67 000 000	58 300 000	48 800 000	51 600 000	48 964 000
Slovakia	—	3 768 000	3 948 000	3 974 000	3 539 000
Slovenia	400 000	355 000	424 000	407 000	313 000
Switzerland	1 240 000	1 260 000	800 000	1 000 000	*1 000 000
Turkey	10 342 916	11 414 000	12 074 000	12 745 000	13 171 000
Ukraine	41 800 000	31 500 000	23 500 000	21 900 000	22 052 000
Yugoslavia, Federal Republic of	665 000	183 383	137 000	180 000	679 000
Algeria	767 600	798 400	771 700	809 000	620 000
Egypt	2 524 000	2 811 000	2 622 000	2 642 000	2 618 000
Libya	822 000	960 000	874 000	909 000	868 000
Nigeria	*140 000	*140 000	58 000	...	...
South Africa	9 062 000	8 613 000	8 320 000	8 450 000	7 993 000
Tunisia	181 500	181 900	182 800	200 000	187 000
Zimbabwe	559 000	222 000	187 000	210 000	212 000
Canada	13 933 466	14 387 400	13 896 953	13 996 155	14 637 476
Cuba	133 900	90 514	130 912	207 259	229 000
Dominican Republic	32 628	...	...	...	...
Mexico	8 459 429	9 198 784	10 260 109	12 147 446	13 169 000
Trinidad & Tobago	552 800	492 100	630 300	676 100	643 600
USA	84 322 000	88 793 000	91 200 000	95 172 000	95 500 000
Argentina	2 679 900	2 885 904	3 289 000	3 580 785	4 064 600
Brazil	23 934 000	25 207 000	25 746 800	25 076 400	25 237 000
Chile	1 012 758	1 068 828	1 039 658	1 014 116	1 179 000
Colombia	656 782	687 432	693 498	713 648	677 000
Paraguay	85 954	76 507	87 055	94 927	86 000
Peru	343 244	417 136	509 145	511 789	579 000
Uruguay	55 153	35 933	36 110	39 857	34 000
Venezuela	3 489 198	3 391 812	3 524 153	3 567 520	3 725 000
Bangladesh (b)	36 796	7 043	6 054	25 346	...
China	80 940 000	89 556 400	92 620 000	95 359 900	101 240 600
Hong Kong	*150 000	*150 000	*150 000	*150 000	...
India	18 117 000	18 155 000	19 285 000	20 768 000	21 795 000
Indonesia	3 171 072	1 947 511	3 220 000	*3 500 000	*3 400 000
Iran (c)	3 081 311	4 095 744	4 746 755	4 639 873	*5 400 000

Production of Steel Ingots and Castings

tonnes

Country	1992	1993	1994	1995	1996
Israel	109 000	120 000	180 000	*200 000	*200 000
Japan	98 132 000	99 623 000	98 294 563	101 639 573	98 800 671
Jordan	*30 000	*30 000	*30 000	*30 000	*30 000
Kazakhstan	5 675 000	4 279 000	2 968 544	3 026 592	3 142 000
Korea, Dem. P.R. of	*7 000 000	*7 000 000	7 000 000	6 000 000	6 000 000
Korea, Republic of	28 054 000	33 468 044	34 370 181	37 500 138	39 642 629
Malaysia	1 559 000	1 808 000	2 046 000	2 450 000	3 030 000
Pakistan	853 000	992 000	344 000	409 000	416 000
Philippines	497 000	623 000	473 000	*500 000	*500 000
Qatar	588 059	620 000	571 000	605 000	...
Saudi Arabia	1 866 000	2 357 000	2 435 000	2 451 000	2 700 000
Singapore	482 000	520 000	530 000	521 000	...
Syria	*70 000	*70 000	*70 000	*70 000	...
Taiwan	10 705 000	11 975 000	11 590 000	11 605 000	12 655 000
Thailand	929 000	954 000	1 461 000	*1 500 000	*2 000 000
Uzbekistan	630 000	573 000	352 000	352 000	465 000
Vietnam	219 000	270 000	301 000	*320 000	*320 000
Australia (a)	6 990 000	7 837 000	8 455 000	8 495 000	8 360 000
New Zealand	632 219	670 104	772 296	865 155	804 631
World total	721 000 000	727 000 000	730 000 000	754 000 000	751 000 000

Note(s):

(1) The figures in this table refer to crude steel and cast semi-manufactures are not included

(a) Including recovery from scrap

(b) Years ended 30 June of that stated

(c) Years ended 20 March following that stated

Production of Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ferro-manganese	136 500	45 100	—	—	—
Austria					
Ferro-alloys	*12 000	*12 000	*12 000	454 000	404 000
Belgium					
Ferro-manganese	*40 000	41 665	63 513	61 777	...
Finland					
Ferro-chrome & ferro-silico-chrome	196 870	195 063	253 450	243 845	225 155
France (h)					
Spiegeleisen & ferro-manganese	320 974	329 774	384 105	393 968	402 170
Ferro-chrome & ferro-silico-chrome	6 694	—	—	—	—
Ferro-silico-manganese	63 100	76 138	66 230	71 300	61 000
Ferro-silicon	98 100	83 663	111 590	108 000	130 000
Ferro-titanium & Fe-W,Fe-Mo,Fe-V (a)	3 900	1 462	—	—	—
Other ferro-alloys	32 000	29 000	19 500	55 000	72 000
Silicon metal	66 000	58 950	66 000	71 450	73 800
Germany					
Ferro-chrome	26 516	16 402	17 283	21 665	...
Other ferro-alloys	(i) *340 000	(i) *220 000	*274 000	*258 000	...
Greece					
Ferro-nickel	73 429	52 067	77 129	81 733	*70 000
Italy					
Ferro-chrome	60 315	53 504	22 650	51 017	29 915
Ferro-manganese	27 795	24 573	45 085	40 848	42 727
Ferro-silico-manganese	101 000	96 743	79 068	103 961	100 353
Ferro-silicon	3 350	2 089	2 347	—	11 741
Ferro-titanium & ferro-silico-titanium	1 000	...	...	...	...
Calcium silicide	6 000	...	...	...	...
Silicon metal	10 000	8 000	10 000	15 000	14 000
Spain					
Ferro-chrome	—	2 390	*2 300	1 320	...
Ferro-manganese	*50 000	*40 000	*35 000	*25 000	...
Ferro-silico-manganese	*40 000	*40 000	*35 000	*45 000	...
Ferro-silicon	*40 000	*30 000	*25 000	*30 000	...
Other ferro-alloys	*5 000	*5 000	*4 000	*5 000	...
Silicon metal	*10 000	*5 000	*3 000	*5 000	...
Sweden					
Ferro-chrome	133 076	116 060	134 076	130 170	128 836
Ferro-silicon	15 451	20 381	18 584	21 970	21 287
Albania					
Ferro-chrome	24 000	35 000	33 000	43 000	...
Bosnia & Herzegovina					
Ferro-silicon	*5 000	*1 000	*1 000	*1 000	*1 000
Silicon metal	*2 000	*200	*200	*200	*100
Bulgaria					
Ferro-silicon	*18 000	*18 000	*18 000	7 550	8 300
Other ferro-alloys	*2 000	*2 000	*2 000	*2 000	...
Croatia					
Ferro-chrome	56 456	27 336	31 704	26 081	10 559
Ferro-manganese	*10 000	*10 000	562	—	—
Ferro-silico-manganese	*15 000	*40 000	22 071	—	—
Czechoslovakia					
Ferro-chrome	37 756	—	—	—	—
Ferro-manganese	*50 000	—	—	—	—
Ferro-silico-manganese	*30 000	—	—	—	—
Ferro-silicon	*15 000	—	—	—	—
Other ferro-alloys	*10 000	—	—	—	—
Silicon metal	*5 000	—	—	—	—
Georgia					
Ferro-manganese	*100 000	*100 000	*50 000	...	...
Ferro-silico-manganese	*50 000	*50 000	*25 000	...	...
Hungary					
Ferro-alloys	*8 500	*8 500	*8 000	*8 000	...
Iceland					
Ferro-silicon	54 413	65 719	65 054	70 316	70 520
Macedonia					
Ferro-alloys	107 866	78 357	62 937	72 000	...

Production of Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Norway					
Ferro-chrome	102 000	80 000	120 000	137 000	110 000
Ferro-manganese	202 680	*200 000	249 000	213 000	215 000
Ferro-silico-manganese	213 106	*210 000	197 000	*200 000	*200 000
Ferro-silicon	376 872	399 559	452 984	474 875	462 423
Other ferro-alloys	*14 000	*14 000	14 000	15 000	*15 000
Silicon metal	72 782	81 259	91 714	100 767	*110 000
Poland					
Ferro-chrome	38 449	8 700	18 300	...	35 300
Ferro-manganese	48 300	57 500	66 300	46 300	58 900
Ferro-silicon	36 100	43 100	54 200	70 400	(c) ...
Other ferro-alloys	25 000	20 000	20 000	23 500	103 700
Silicon metal	*9 000	*9 000	*9 000	*15 000	...
Romania					
Ferro-chrome	6 977	3 907	3 885	15 053	9 650
Ferro-manganese	27 130	16 390	31 295	28 410	20 150
Ferro-silico-manganese	28 159	22 040	35 800	57 149	78 590
Ferro-silicon	23 318	23 560	28 385	19 320	23 827
Silicon metal	430	*400	*300	*300	...
Russia					
Spiegeleisen	*10 000	*8 000	*7 000	*7 000	...
Ferro-chrome	*400 000	255 900	265 525	*200 000	...
Ferro-manganese	*200 000	*150 000	*55 000	*55 000	...
Ferro-nickel	*46 000	*47 000	*59 000	*77 000	...
Ferro-phosphorous	*30 000	*25 000	*20 000	*20 000	...
Ferro-silicon	*500 000	*400 000	*350 000	*350 000	...
Ferro-silico-chrome	*60 000	*40 000	*40 000	*30 000	...
Silicon metal	*60 000	*50 000	*40 000	*40 000	...
Other ferro-alloys	*60 000	*50 000	*40 000	*40 000	...
Slovakia					
Ferro-chrome	—	50 600	48 500	*48 000	...
Other ferro-alloys	—	*69 000	*71 000	*72 000	...
Slovenia					
Ferro-chrome	17 623	8 812	13 412	23 247	...
Ferro-silicon	*14 000	*12 000	*12 000	*12 000	...
Switzerland					
Ferro-silicon	*3 000	*3 000	*3 000	*3 000	*3 000
Silicon metal	*2 000	*2 000	*2 000	*2 000	*2 000
Turkey					
Ferro-chrome	83 170	90 030	97 540	88 561	101 450
Ferro-silicon	1 250	4 680	4 930	11 900	4 460
Ukraine					
Ferro-manganese	*150 000	*216 000	*250 000	*282 000	...
Ferro-silico-manganese	*1 000 000	*700 000	*600 000	*500 000	...
Ferro-silicon	*500 000	*400 000	277 400	*300 000	...
Other ferro-alloys	*40 000	*30 000	*25 000	*25 000	...
Yugoslavia, Federal Republic of					
Ferro-nickel	*5 000	1 283	1 763	2 414	6 501
Egypt (g)					
Ferro-alloys	36 038	47 369	51 348	49 308	44 060
South Africa					
Ferro-chrome (d)	770 600	833 555	1 103 612	1 341 267	...
Ferro-manganese	269 807	393 372	590 535	480 162	...
Ferro-silico-manganese	267 000	268 000	290 400	*280 000	...
Ferro-silicon	63 892	98 843	119 714	89 743	...
Other ferro-alloys	*1 000	*1 000	*1 000	*1 000	...
Silicon metal	34 528	38 279	36 169	30 082	...
Zimbabwe					
Ferro-chrome	190 994	(d) *130 000	182 852	254 142	261 918
Ferro-silico-chrome	20 282	...	36 351	46 667	33 175
Ferro-manganese	—	2 150	—	—	...
Canada					
Ferro-niobium	—	—	96	3 300	3 400
Ferro-silicon	*80 000	*80 000	*80 000	*80 000	*80 000
Silicon metal	*30 000	*30 000	*30 000	*30 000	*30 000
Dominican Republic					
Ferro-nickel	71 417	60 774	80 193	80 711	78 488

Production of Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Mexico					
Ferro-manganese	131 203	119 016	117 062	108 903	139 525
Ferro-silico-manganese	57 456	62 828	72 094	76 948	92 083
Other ferro-alloys	107	...	...	...	...
USA					
Ferro-chrome (d) (e)	60 945	63 018	67 361	72 469	36 789
Ferro-nickel	18 167	9 926	—	16 800	...
Ferro-phosphorus	25 098	17 795	(c) ...	(c) ...	...
Ferro-silicon	346 290	323 351	359 000	358 000	*360 000
Other ferro-alloys	164 403	142 772	200 000	188 000	...
Silicon metal	158 550	158 570	158 000	158 000	175 000
Argentina					
Ferro-manganese	4 524	5 446	8 117	6 500	(f) 50 300
Ferro-silico-manganese	30 790	18 455	29 358	33 507	...
Ferro-silicon	8 073	10 627	12 653	12 055	...
Other ferro-alloys	3 600	6 847	11 817	9 746	...
Silicon metal	*10 000	*10 000	*5 000	...	...
Brazil					
Ferro-calcium-silicon	22 756	28 355	23 976	27 192	...
Ferro-chrome	91 100	83 892	77 163	95 840	72 609
Ferro-silico-chrome	6 759	4 128	7 735	5 129	4 622
Ferro-silico-magnesium	10 565	10 185	8 412	12 894	13 399
Ferro-manganese	178 937	201 518	199 667	130 207	215 260
Ferro-silico-manganese	299 995	284 147	248 158	167 162	232 218
Ferro-nickel	33 470	36 350	34 157	30 591	29 582
Ferro-niobium	16 303	13 488	17 901	23 185	21 522
Ferro-phosphorus	32	250	707	695	—
Ferro-silicon	243 838	238 864	198 505	243 824	236 838
Other ferro-alloys	108	1 941	1 341	669	—
Silicon metal	93 734	90 379	90 017	115 756	150 054
Chile					
Ferro-chrome	2 110	680	1 580	2 730	2 079
Ferro-manganese	7 460	8 854	9 620	7 987	*8 000
Ferro-silico-manganese	1 504	1 231	997	1 618	*2 000
Ferro-molybdenum	2 310	2 202	3 082	3 241	...
Ferro-silicon	3 830	7 550	5 504	4 279	...
Colombia					
Ferro-nickel	49 987	48 232	49 372	56 972	53 549
Venezuela					
Ferro-silico-manganese	32 115	42 237	46 841	52 007	*50 000
Ferro-silicon	44 552	47 522	41 032	50 389	63 131
Bhutan					
Ferro-silicon	—	—	*2 000	*12 000	*13 000
China					
Ferro-chrome	*410 000	*372 000	*370 000	(c) ...	...
Ferro-manganese	*750 000	*740 000	*760 000	(c) ...	...
Ferro-silico-manganese	*420 000	*525 000	*550 000	(c) ...	...
Ferro-silicon	*834 000	1 040 000	1 100 000	(c) ...	...
Other ferro-alloys	*236 000	*258 000	*320 000	3 150 000	...
India					
Ferro-chrome (b)	*256 000	*258 000	244 688	351 908	245 383
Ferro-silico-chrome (b)	5 888	3 969	4 074	880	6 427
Ferro-manganese (b)	*218 000	*158 000	202 893	179 815	187 941
Ferro-silico-manganese (b)	*106 000	*113 000	172 306	188 252	174 964
Ferro-silicon (b)	*87 000	*80 000	92 043	74 305	78 326
Other ferro-alloys	*6 500	*8 600	*8 500	*8 500	*8 500
Silicon metal (b)	1 513	671	—	...	...
Indonesia					
Ferro-nickel	24 653	*27 000	*27 000	*27 000	*27 000

Production of Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Japan					
Ferro-chrome	275 615	211 102	204 181	221 425	200 365
Ferro-manganese	361 941	382 912	345 153	346 977	343 104
Ferro-silico-manganese	96 360	64 758	69 183	64 870	75 802
Ferro-molybdenum	3 261	3 656	3 930	4 109	4 420
Ferro-nickel	237 350	257 316	242 447	351 337	328 699
Ferro-niobium	919	1 086	868	37	—
Ferro-silicon	37 656	29 084	12 208	3 650	3 075
Ferro-tungsten	71	80	68	120	64
Ferro-vanadium	3 005	3 670	3 418	3 618	3 902
Other ferro-alloys	4 933	5 174	6 363	4 669	4 820
Kazakhstan					
Ferro-chrome	350 000	317 984	326 228	494 277	352 000
Ferro-silico-chrome	56 000	36 235	*20 000	*25 000	...
Ferro-silicon	520 000	418 188	207 700	256 000	119 000
Korea, Dem. P.R. of					
Ferro-alloys	*120 000	*120 000	*120 000	*120 000	*120 000
Korea, Republic of					
Ferro-manganese	85 867	100 630	120 020	118 798	*126 000
Ferro-silicon	81 996	89 023	97 785	*83 000	*82 582
Other ferro-alloys	18 198	2 803	3 084	3 264	*5 000
Philippines					
Ferro-chrome	*27 400	11 900	16 186	50 450	6 736
Ferro-manganese	*5 000	*5 000	*5 000	*5 000	—
Ferro-silicon	*10 000	*10 000	*10 000	*10 000	—
Taiwan					
Ferro-manganese	37 802	13 628	*7 000	*5 000	*5 000
Ferro-silico-manganese	3 991	—	—	—	—
Ferro-silicon	2 606	689	*500	*400	*500
Thailand					
Ferro-silico-manganese	4 275	1 503	689	—	...
Australia					
Ferro-manganese	*55 000	*75 000	*100 000	*110 000	*110 000
Ferro-silico-manganese	*75 000	*75 000	*100 000	*100 000	*95 000
Ferro-silicon	*17 000	—	—	—	—
Silicon metal	*30 000	*30 000	*30 000	*30 000	...
New Caledonia					
Ferro-nickel	108 889	128 202	*135 000	*145 000	*145 000

- (a) Ti, W, Mo, V content of ferro-titanium, ferro-tungsten, ferro-molybdenum and ferro-vanadium
(b) Years ended 31 March following that stated
(c) Included with 'other ferro-alloys'
(d) Including ferro-silico -chrome
(e) Including other chromium alloys and chromium metal
(f) Including ferro-silico- manganese
(g) Years ended 30 June of that stated
(h) Including alumino-thermic ferro-alloys
(i) Including spiegeleisen

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Pig iron	15 678	11 024	1 974	6 913	4 599
Sponge & powder	4 364	2 670	3 109	1 954	2 945
Ferro-chrome	2 083	2 965	6 135	1 703	2 968
Ferro-manganese	59 640	20 031	1 451	433	2 843
Ferro-silico-manganese	1 112	624	73	1 484	231
Ferro-molybdenum	5 490	4 173	6 396	8 253	9 822
Ferro-nickel	18	21	0	1	217
Ferro-niobium	845	291	30	21	19
Ferro-phosphorus	167	520	2 447	76	227
Ferro-silicon	3 748	9 436	6 764	5 825	4 583
Ferro-titanium & ferro-silico-titanium	10 591	13 419	13 132	13 596	13 290
Ferro-vanadium	146	102	47	25	62
Other ferro-alloys	6 281	6 217	5 951	5 280	6 541
Ingots, blooms, billets	1 220 702	1 252 797	1 246 913	1 155 488	1 193 457
Scrap	2 797 717	3 857 809	3 587 513	3 446 618	3 416 842
Austria					
Pig iron	7 613	6 952	181	52	1 980
Ferro-alloys	22 211	20 084	19 080	30 457	20 802
Ingots & blooms	18 644	51 225	97 357	263 011	163 078
Scrap	399 936	460 329	467 015	489 390	582 403
Belgium-Luxembourg					
Pig iron	13 244	62 075	178 319	90 389	87 928
Sponge & powder	1 511	1 458	1 334	1 784	1 688
Ferro-chrome	2 594	16 903	6 862	15 963	16 501
Ferro-manganese	8 983	12 400	12 855	22 606	18 631
Ferro-silico-manganese	11 459	12 688	7 657	15 201	13 492
Ferro-nickel	2	459	980	326	584
Ferro-silicon	2 493	7 183	4 849	16 365	12 508
Ferro-titanium & ferro-silico-titanium	60	47	284	168	(c) ...
Other ferro-alloys	1 138	701	1 165	661	608
Ingots, blooms, billets	487 060	1 230 798	1 199 758	1 009 540	1 117 542
Scrap	1 202 135	1 581 155	1 588 046	1 976 236	1 741 314
Denmark					
Ingots, blooms, billets	16 265	20 818	17 168	23 490	36 042
Scrap	353 767	425 808	330 389	437 205	470 670
Finland					
Ferro-chrome & ferro-silico-chrome	103 236	93 799	125 538	111 977	...
Ingots, blooms, billets	110 579	136 265	166 542	171 793	...
Scrap	39 397	46 281	108 295	179 782	...
France					
Pig iron	19 451	2 426	1 545	15 041	...
Spiegeleisen	774	64	265	530	...
Sponge & powder	2 135	195	1 207	3 169	...
Ferro-chrome	7 180	346	315	2 208	...
Ferro-silico-magnesium	7 159	6 725	9 716	9 714	...
Ferro-manganese	57 678	70 686	58 461	42 043	...
Ferro-silico-manganese	42 607	62 225	71 915	58 750	...
Ferro-molybdenum	3 062	877	158	103	96
Ferro-nickel	77	8	38	32	...
Ferro-niobium	218	236	331	439	...
Ferro-silicon	35 881	26 736	26 867	29 328	...
Ferro-titanium & ferro-silico-titanium	499	733	1 171	1 408	...
Ferro-vanadium	6	16	53	151	...
Ferro-silico-zirconium	105	—	—	—	...
Other ferro-alloys	19 227	23 792	29 036	29 903	...
Ingots, blooms, billets	1 000 310	1 648 365	1 561 706	1 284 831	...
Scrap	3 506 595	4 063 637	3 772 256	3 661 579	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Germany					
Pig iron	298 643	221 155	161 619	118 391	91 977
Sponge & powder	22 397	20 316	19 348	27 923	20 831
Ferro-chrome	51 909	58 847	45 115	50 458	45 426
Ferro-silico-chrome	1 450	1 106	599	1 997	3 719
Ferro-silico-magnesium	5 832	5 450	5 732	6 036	5 543
Ferro-manganese	38 011	22 955	15 370	9 338	12 434
Ferro-silico-manganese	4 983	4 754	6 630	12 438	9 892
Ferro-molybdenum	297	494	623	1 330	1 309
Ferro-nickel	1 564	3 146	1 672	577	1 001
Ferro-niobium	905	855	832	272	925
Ferro-phosphorus	4 607	1 573	1 455	2 943	2 394
Ferro-silicon	54 375	44 917	40 966	38 637	31 849
Ferro-titanium & ferro-silico-titanium	1 757	2 135	3 493	4 318	2 476
Ferro-tungsten & ferro-silico-tungsten	36	38	46	192	83
Ferro-vanadium	2 054	1 851	1 120	1 148	420
Other ferro-alloys	8 695	10 849	13 426	13 535	13 696
Silicon metal	7 047	6 319	7 609	8 787	8 796
Ingots, blooms, billets	1 447 789	1 927 875	1 678 697	1 860 775	2 254 291
Scrap	8 441 147	8 519 683	8 718 742	8 148 071	6 684 361
Greece					
Ferro-chrome	8 100	2 285	1 276	7 917	...
Ferro-nickel	181	—	8 616	8 500	...
Ingots, blooms, billets	24 185	65 223	14 780	19 993	...
Irish Republic					
Scrap	16 069	54 157	66 976	32 842	19 036
Italy					
Pig iron	37 310	16 763	2 658	4 617	...
Sponge & powder	10 589	10 919	13 737	13 952	...
Ferro-chrome	9 827	7 253	1 922	2 011	...
Ferro-silico-chrome	936	9	1	11	...
Ferro-silico-magnesium	140	62	—	(c) ...	...
Ferro-manganese	9 598	6 788	8 234	4 015	...
Ferro-silico-manganese	13 800	16 113	2 978	7 119	...
Ferro-silicon	3 959	3 550	2 044	1 965	...
Ferro-titanium & ferro-silico-titanium	318	92	11	(c) ...	...
Other ferro-alloys	1 188	316	2 001	545	...
Silicon metal	6 975	1 893	34 687	2 133	...
Ingots, blooms, billets	371 980	1 391 115	636 138	825 367	...
Scrap	13 319	14 124	12 795	33 048	...
Netherlands					
Pig iron	1 387	53 150	39 039	22 160	19 260
Sponge & powder	208	916	356	165	69
Ferro-chrome	197	39 785	56 037	73 516	61 689
Ferro-silico-chrome	—	1 118	1 699	1 931	1 460
Ferro-manganese	470	4 356	17 694	8 902	5 716
Ferro-silico-manganese	545	3 549	29 431	37 717	27 780
Ferro-molybdenum	189	1 258	2 093	2 260	(c) ...
Ferro-nickel	—	188	2 644	2 088	459
Ferro-silicon	269	44 493	27 916	15 574	13 538
Ferro-titanium & ferro-silico-titanium	—	256	455	605	(c) ...
Ferro-vanadium	—	356	227	1 397	(c) ...
Other ferro-alloys	249	723	2 498	1 134	8 141
Silicon metal	5 568	8 314	15 871	7 237	4 963
Ingots, blooms, billets	1 067 400	1 571 517	1 504 908	1 208 725	1 511 682
Scrap	3 249 515	5 532 317	3 812 657	3 999 131	3 047 287
Portugal					
Ferro-silicon	913	3	...	...	85
Scrap	17 714	58 003	18 363	...	56 384
Spain					
Pig iron	13	56 764	608	127	...
Ferro-chrome	128	153	186	230	...
Ferro-manganese	23 812	7 084	21 505	28 068	...
Ferro-silico-manganese	10 008	18 301	29 312	38 048	...
Ferro-silicon	3 722	5 786	3 008	2 815	...
Other ferro-alloys	177	278	264	420	...
Silicon metal	465	1 225	2 929	6 647	...
Ingots, blooms, billets	283 523	226 016	110 249	104 918	...
Scrap	25 753	18 530	16 206	19 134	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Sweden					
Pig iron	31 728	44 664	30 250	12 965	64 296
Sponge & powder	128 564	129 516	151 537	3 323	1 432
Ferro-chrome	91 386	76 272	99 937	...	...
Ferro-manganese	984	1 406	2 737	2 120	2 013
Ferro-silico-manganese	109	257	154	2 143	272
Ferro-molybdenum	112	65	106	(c) ...	(c) ...
Ferro-niobium	85	141	26	(c) ...	(c) ...
Ferro-silicon	10 171	14 780	15 191	(c) ...	1 914
Ferro-titanium & ferro-silico-titanium	33	76	220	(c) ...	(c) ...
Ferro-vanadium	20	35	149	(c) ...	(c) ...
Other ferro-alloys	657	901	889	2 288	1 486
Silicon metal	353	800	(f) *100	(f) *200	...
Ingots, blooms, billets	289 282	288 278	158 499	89 354	105 434
Scrap	66 484	231 083	349 850	280 364	283 990
Albania					
Ferro-chrome (f)	*8 500	*24 800	*34 400	*50 000	...
Azerbaijan					
Scrap	3 000	5 000	11 000	12 000	...
Belarus					
Ingots, blooms, billets (f)	*23 300	*93 400	*69 800	*15 200	...
Scrap (f)	*6 700	*12 700	*4 200	*2 800	*2 200
Bulgaria					
Pig iron	5 700	9 800	1 000	(f) *1 000	...
Ferro-alloys	2 300	3 100	(f) *3 300	(f) *12 800	...
Ingots, blooms, billets	183 200	334 600	283 000	...	...
Scrap (f)	*118 800	*164 900	*19 500	*23 700	...
Croatia					
Ferro-chrome	53 685	21 395	...	25 242	12 605
Ferro-silico-manganese	20 536	9 315	...	2 413	...
Scrap	51 891	45 354	62 000	100 219	106 092
Czechoslovakia					
Pig iron (f)	*25 700	—	—	—	—
Ferro-chrome (f)	*44 500	—	—	—	—
Ferro-manganese (f)	*5 600	—	—	—	—
Other ferro-alloys (f)	*2 600	—	—	—	—
Blooms	613 000	—	—	—	—
Scrap	699 000	—	—	—	—
Czech Republic					
Ferro-chrome (f)	—	*25 300	*3 600	*1 500	*3 600
Ingots, blooms, billets	—	605 000	1 094 000	...	...
Scrap	—	1 086 000	987 000	789 000	...
Estonia					
Pig iron (b) (f)	*5 900	...	*37 100	*45 700	...
Ferro-chrome (b) (f)	...	*1 000	*4 800	*68 100	...
Scrap (b)	42 000	203 000	191 000	256 000	...
Georgia					
Pig iron (f)	...	...	*9 600	...	...
Ferro-alloys (f)	...	...	*32 000	...	...
Ingots, blooms, billets	34 000	(f) *25 300	(f) *11 200	...	...
Scrap (f)	*800	*30 700	*55 500	...	...
Hungary					
Pig iron	4 174	—	—	—	—
Ferro-alloys	5 220	4 222	5 081	2 995	4 730
Ingots, blooms, billets	23 401	21 131	15 717	15 016	27 024
Scrap	455 239	552 541	652 817	774 095	613 602
Iceland					
Ferro-silicon	56 898	64 457	70 798	71 453	68 192
Scrap	4 649	15 624	22 689	17 538	11 263
Latvia					
Pig iron (a) (f)	*2 300	*134 700	*111 200	*2 000	...
Ferro-chrome (a) (f)	*1 100	*600	*14 200	*82 400	...
Other ferro-alloys (a) (f)	*1 700	*5 700	*4 100	*4 200	*2 400
Ingots, blooms, billets (f)	*800	*15 400	*55 900	...	...
Scrap (a)	8 000	8 000	19 172	(f) *47 300	...
Lithuania					
Pig iron	(a) (f) *5 400	(a) (f) *10 000	(a) (f) *64 600	281	...
Scrap	28 000	(f) *185 000	505 000	586 100	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Macedonia					
Ferro-silicon	(f) *2 300	(f) *38 500	46 941	(f) *29 500	...
Other ferro-alloys	—	...	62 000	...	...
Silicon metal (f)	*3 000	*5 100	*6 800	*5 200	...
Malta					
Scrap	9 412	...	5 000	4 000	...
Moldova					
Ingots, blooms, billets	101 000	...	2 000	1 782	...
Scrap	...	...	(f) *7 500	9 843	...
Norway					
Pig iron	67 000	65 000	83 000	...	...
Ferro-chrome (f)	*104 800	*70 300	*52 000	*127 700	...
Ferro-manganese (f)	*158 700	*154 700	*170 000	*125 000	...
Ferro-silico-manganese	195 630	196 062	165 544	176 406	187 244
Ferro-silicon	351 646	377 035	404 071	404 497	400 900
Other ferro-alloys	13 242	12 684	23 574	29 051	50 097
Silicon metal	65 610	76 530	91 793	98 323	97 136
Ingots, blooms, billets	62 362	68 937	39 140	191	155 184
Scrap	12 058	10 360	63 189	96 875	145 241
Poland					
Pig iron	64 205	17 395	85 063	115 270	...
Ferro-chrome	27 592	38 222	6 297	14 788	...
Ferro-manganese & ferro-silico-manganese	102	810	739	4 769	...
Ferro-silicon	94	11 053	17 935	31 077	...
Other ferro-alloys	973	—	396	545	...
Ingots, blooms, billets	1 639 723	1 080 000	1 491 000	688 000	...
Scrap	1 243 089	1 011 735	448 498	438 188	...
Romania					
Ingots, blooms, billets	3 624	371	1 217	294	192
Scrap	134 095	17 385	4 656	8 087	29 584
Russia					
Pig iron	1 930 900	2 268 400	3 344 000	2 889 000	2 112 000
Ferro-alloys	202 870	294 946	(f) *490 000	(f) *473 000	...
Silicon metal (f)	...	*37 500	*55 100	*43 300	...
Ingots, blooms, billets	4 603 812	6 830 049	9 029 000	9 997 000	...
Scrap	432 549	484 862	1 316 000	1 742 000	...
Slovakia					
Pig iron	—	127 000	167 000	...	...
Ferro-chrome & ferro-silico-chrome (f)	—	*9 300	*34 700	*53 600	...
Ferro-manganese & ferro-silico-manganese (f)	—	*3 200	*38 600	*20 100	...
Ferro-silicon (f)	—	*8 900	*33 500	*18 500	...
Other ferro-alloys (f)	—	*200	*51 700	...	...
Ingots, blooms, billets	—	266 000	259 000	340 000	...
Scrap	—	85 000	133 000	(f) *136 000	...
Slovenia					
Scrap	32 926	50 064	34 143	49 000	...
Switzerland					
Sponge & powder	640	425	470	396	470
Ferro-alloys	75	605	614	5 088	81
Ingots, blooms, billets	47 177	39 746	10 632	2 265	1 677
Scrap	66 809	67 592	86 515	312 184	341 784
Turkey					
Pig iron	88 142	83 913	92 249	...	89 767
Ferro-chrome	74 205	92 301	102 678	72 112	93 852
Ingots, blooms, billets	1 648 568	1 765 330	2 144 591	1 746 491	1 094 825
Scrap	12 378	15 436	36 226	13 448	21 048
Ukraine					
Pig iron (f)	*429 500	*1 351 300	*1 065 500	...	...
Ferro-chrome & ferro-silico-chrome (f)	*900	*20 400	*12 100	*800	...
Ferro-manganese & ferro-silico-manganese (f)	*56 500	*178 500	*176 400	*110 000	...
Other ferro-alloys (f)	*6 300	*46 900	*104 000	...	...
Ingots, blooms, billets (f)	*245 000	*1 858 200	*2 647 000	*1 700 000	...
Scrap (f)	*31 000	*71 000	*178 000	*116 000	...
Yugoslavia, Federal Republic of					
Pig iron	12 818	...	...	...	...
Ferro-nickel	5 616	...	...	...	...
Other ferro-alloys	34	...	...	...	...
Ingots, blooms, billets	2 980	...	...	...	...
Scrap	19 544	*15 000	*10 000	*10 000	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Algeria					
Pig iron	157 850	136 000	105 474	...	...
Scrap	17 943	11 500	15 159	*15 000	...
Morocco					
Scrap	39 126	153 150	108 104	120 700	...
Senegal					
Scrap	4 845	...	...	...	...
South Africa					
Pig iron (f)	*299 900	*374 900	*192 200	*271 000	...
Ferro-chrome	736 600	589 547	(f) *982 000	(f) *1 300 000	...
Ferro-manganese	*430 000	610 000	(f) (g) *335 600	(f) *430 000	...
Ferro-silicon	25 488	31 921	(f) *43 600	(f) *39 000	...
Silicon metal	38 078	38 849	(f) *29 600	(f) *28 000	...
Ingots, blooms, billets	(f) *755 200	(f) *691 300	(f) *416 000	675 000	...
Scrap (f)	*121 600	*170 300	*156 900	*226 000	...
Tunisia					
Scrap	2 731	225	321	2 500	...
Zimbabwe					
Ferro-chrome	157 943	152 804	196 535	258 638	...
Ferro-silico-chrome	19 181	19 691	13 365	20 698	...
Ingots, blooms, billets	215 627	89 441	27 965	22 799	...
Scrap	16 149	81 550	77 960	61 716	...
Canada					
Pig iron	55 013	61 920	64 125	129 001	102 399
Sponge & powder	45 394	132 970	71 057	72 803	77 766
Ferro-chrome	150	188	768	986	1 094
Ferro-manganese	373	665	274	1 440	498
Ferro-silico-manganese	147	187	385	127	18
Ferro-silicon	30 003	29 335	32 975	28 880	24 471
Other ferro-alloys	1 032	1 133	1 337	3 664	3 663
Silicon metal	20 893	22 562	24 534	25 250	29 407
Ingots, blooms, billets	268 615	324 040	297 994	419 412	355 698
Scrap	1 118 548	1 293 930	1 634 224	2 128 784	2 112 819
Dominican Republic					
Ferro-nickel	70 348	65 313	81 675	73 777	75 981
Mexico					
Ferro-manganese	31 700	38 880	36 772	27 641	...
Ferro-silico-manganese	(c) ...	24 816	18 508	25 586	...
Other ferro-alloys	27 061	108	159	195	...
Ingots, blooms, billets	872 808	1 156 407	1 263 857	2 004 358	...
Scrap	47 059	131 866	180 204	248 711	...
Nicaragua					
Scrap	14 466	29 433	24 613	17 599	...
Trinidad & Tobago					
Sponge	128 182	155 533	232 395	325 163	...
Ingots, blooms, billets	4 845	14 669	...	18 964	...
USA					
Pig iron	35 611	28 948	64 618	57 782	72 427
Sponge & powder	34 000	42 988	48 833	48 179	40 088
Ferro-chrome & ferro-silico-chrome	13 056	21 611	18 662	20 193	27 454
Ferro-manganese	16 802	20 282	14 243	13 597	14 063
Ferro-silico-manganese	10 813	13 856	10 678	11 790	9 327
Ferro-molybdenum	573	518	916	1 450	1 199
Ferro-nickel	4 055	1 019	69	2 179	5 652
Ferro-niobium	919	855	246	565	365
Ferro-phosphorus	2 136	1 856	29 340	7 063	4 950
Ferro-silicon	59 661	42 617	40 400	52 255	59 070
Ferro-vanadium	374	303	541	476	648
Other ferro-alloys	3 169	2 968	4 395	4 992	4 721
Silicon metal	9 536	11 592	13 007	27 214	18 999
Ingots, blooms, billets	392 713	515 344	170 274	435 606	274 006
Scrap	9 219 692	9 780 100	8 909 254	10 459 116	8 431 156
Argentina					
Ferro-silico-manganese	11 124	181	4 514	12 451	...
Ferro-silicon	1 400	2 835	5 512	9 579	...
Other ferro-alloys	1 979	2 024	4 039	11 038	...
Ingots, blooms, billets	1 166	15 203	300	502	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Brazil					
Pig iron	2 454 236	1 858 952	2 631 114	2 670 405	2 538 099
Ferro-chrome	23 936	11 803	7 133	24 343	11 102
Ferro-manganese	47 337	64 778	79 611	30 192	105 184
Ferro-nickel	15 363	17 226	12 969	12 696	15 205
Ferro-niobium	16 467	13 643	17 606	19 514	17 602
Fe-silico-spiegeleisen & silico-manganese	155 836	162 266	81 977	38 953	73 729
Ferro-silicon	191 863	228 539	183 907	181 093	185 793
Other ferro-alloys	23 084	28 676	27 640	32 315	33 168
Silicon metal	73 071	84 709	85 158	115 287	121 011
Ingots, blooms, billets	4 640 251	5 309 251	4 827 147	5 130 334	5 684 461
Chile					
Ferro-alloys	5 972	5 177	6 045	6 797	6 988
Ingots, blooms, billets	98 156	32 381	27 545	25 203	24 945
Scrap	458	11 401	27 160	1 390	2 578
Colombia					
Ferro-nickel	48 049	49 379	51 455	56 497	54 790
Venezuela					
Sponge & powder	714 102	1 023 694	1 032 767	1 105 468	...
Ferro-silico-manganese	13 597	26 164	15 237	27 765	...
Ferro-silicon	30 271	35 445	36 325	40 115	...
Ingots, blooms, billets	751 030	978 975	1 025 547	698 656	...
Scrap	114 652	128 291	98 745	92 275	...
Bahrain					
Scrap	34 800	45 973	67 200	*60 000	...
China					
Pig iron	619 035	336 436	1 541 334	5 388 683	3 553 051
Sponge & powder	1 720	3 151	5 041	6 887	9 428
Ferro-chrome	60 544	129 721	127 001	320 950	130 847
Ferro-silico-chrome	9 868	7 370	30 752	46 610	31 079
Ferro-manganese	79 582	99 265	99 268	177 093	171 907
Ferro-silico-manganese	170 748	253 913	292 326	447 222	363 007
Ferro-molybdenum	4 409	11 966	18 031	12 650	12 188
Ferro-silicon	278 561	335 308	302 808	391 952	254 619
Ferro-titanium & ferro-silico-titanium	51	16	135	193	393
Ferro-tungsten & ferro-silico-tungsten	2 068	3 974	4 333	2 079	666
Ferro-vanadium	39	150	218	1 909	1 446
Other ferro-alloys	17 258	32 198	47 845	74 772	65 129
Silicon metal	155 735	171 210	3 261	274 731	276 365
Ingots, blooms, billets	594 958	136 084	698 251	4 607 491	2 767 342
Scrap	72 947	48 750	22 084	97 814	54 711
Cyprus					
Scrap (b)	17 038	18 980	22 165	25 902	34 373
Hong Kong					
Pig iron (b)	447	9 108	921	5 678	1 027
Ferro-manganese (b)	2 813	7 805	9 857	1 690	7 633
Ferro-silico-manganese (b)	23 775	28 635	17 849	6 490	4 284
Ferro-silicon (b)	26 758	29 142	21 307	23 700	28 333
Other ferro-alloys (b)	2 850	2 246	1 766	2 324	1 243
Ingots, blooms, billets (b)	1 638	6 100	10 363	6 923	227
Scrap	582 143	631 293	640 834	711 492	587 052
of which: Re-exports	99 525	154 048	157 697	218 273	196 506
India (d)					
Pig iron	17 148	689 435	601 811	511 849	...
Sponge & powder	372	1 065	66 471	174 885	...
Ferro-chrome	133 167	128 681	149 016	152 551	...
Ferro-manganese	11 181	752	4 306	4 645	...
Ferro-silico-manganese	14 229	29 077	35 281	54 042	41 961
Other ferro-alloys	11 572	20 396	4 808	11 278	...
Ingots, blooms, billets	105 504	473 691	160 646	231 992	...
Scrap	35 845	25 494	757	398	...
Indonesia					
Sponge & powder	93 152	65 928	27 838	62 327	...
Ferro-nickel	25 689	24 311	25 219	48 672	...
Ingots, blooms, billets	203 996	118 337	19 239	22 932	...
Scrap	5 064	9 323	12 609	14 985	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Iran					
Pig iron (f)	*20 000	...	...	...	...
Ingots, blooms, billets (f)	*101 800	*634 400	*551 300	*523 900	...
Scrap (f)	*1 200	*97 600	*110 800	*55 700	...
Israel					
Scrap (f)	*1 300	*1 500	*3 100	*5 600	...
Japan					
Pig iron	264 266	283 694	1 201 402	499 752	953 841
Sponge & powder	15 656	14 769	18 291	23 200	22 196
Ferro-chrome	1 367	1 227	1 168	1 347	1 191
Ferro-manganese	8 388	11 458	23 634	45 375	37 503
Ferro-silico-manganese	86	73	110	230	163
Ferro-nickel	0	9	1 448	9 938	35 505
Ferro-silicon	4 662	6 140	7 754	9 589	9 619
Other ferro-alloys	5 376	4 364	4 366	3 997	4 186
Silicon metal	891	824	1 651	1 757	1 855
Ingots, blooms, billets	325 737	367 612	1 559 436	633 476	428 106
Scrap	1 720 465	1 177 570	967 160	915 217	1 992 562
Kazakhstan					
Ferro-chrome & ferro-silico-chrome	(f) *19 600	(f) *112 700	(f) *81 800	406 011	...
Ferro-manganese	...	...	...	3 571	...
Ferro-silico-manganese	...	...	...	2 161	...
Ferro-phosphorus (f)	*5 200	*2 500	*2 900	*2 900	...
Ferro-silicon	(f) *32 500	(f) *67 900	(f) *31 100	161 260	...
Korea, Dem. P.R. of					
Pig iron (f)	*33 400	*22 600	*71 000	*48 900	...
Ferro-alloys (f)	*6 800	*7 400	*4 000	*2 000	...
Ingots, blooms, billets (f)	*35 600	*82 500	*31 900	*28 500	...
Scrap (f)	*36 200	*57 700	*63 800	*126 300	...
Korea, Republic of					
Pig iron	118	360	157	158	200
Ferro-silico-manganese	—	12	—	970	5 117
Other ferro-alloys	21	179	157	1 680	4 394
Ingots, blooms, billets	469 998	278 360	185 539	461 305	434 240
Scrap	16 187	10 184	10 780	22 289	12 159
Kuwait					
Scrap	76 311	302 156	291 483	213 158	184 434
Macao					
Scrap	15 081	...	9 139	9 364	...
Malaysia					
Sponge & powder	729 000	655 860	772 213	...	...
Ingots, blooms, billets	251 411	260 512	48 644	...	...
Scrap	101 973	33 303	81 433	10 400	...
Philippines					
Ferro-chrome	8 278	23 175	23 487	24 819	...
Ferro-silicon	260	...	2	—	...
Other ferro-alloys	1 278	...	—	3 620	...
Scrap	2 027	11 852	24 983	13 674	...
Saudi Arabia					
Scrap	11 246	3 000	4 440	...	...
Singapore					
Pig iron	4 708	4 322	1 849	1 462	331
of which: Re-exports	4 588	4 284	1 846	1 415	330
Ferro-alloys	5 431	10 477	3 913	2 726	2 896
of which: Re-exports	3 721	8 538	3 729	2 666	2 819
Ingots & blooms	10 540	11 384	3 190	5 998	3 425
of which: Re-exports	5 878	1 588	1 189	1 710	1 121
Scrap	251 001	172 023	248 089	259 269	245 019
Sri Lanka					
Scrap	25 689	39 826	47 857	47 426	...
Taiwan					
Pig iron	447	6 425	6 502	3 106	...
Ferro-chrome	0	138	65	82	...
Ferro-silicon	1 691	2 171	2 331	1 677	...
Other ferro-alloys	1 159	1 534	1 277	1 099	...
Ingots, blooms, billets	31 275	3 025	10 982	9 951	...
Scrap	64 214	107 098	89 087	175 730	...
Thailand					
Scrap	14 306	33 174	45 625	50 999	...

Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Australia					
Ferro-manganese	46 000	59 000	(c) ...	(c) ...	(c) ...
Other ferro-alloys	77 000	77 000	158 000	173 000	151 000
Ingots, blooms, billets	841 000	975 000	1 413 000	...	...
Scrap	955 000	759 000	398 000	306 000	679 000
New Caledonia					
Ferro-nickel	110 600	127 200	*140 000	148 649	151 055
New Zealand (e)					
Ingots, blooms, billets	350	16 703	142	83	85
Scrap	38 651	40 539	28 676	28 646	21 487

Note(s):

(1) In this table the term 'ingots, blooms, billets' corresponds to items 672.4,6,7 and 8 of the Standard International Trade Classification (Revision 3) which includes those of alloy and high carbon steel

- (a) Includes re-exports
- (b) Re-exports
- (c) Included with 'other ferro-alloys'
- (d) Years ended 31 March following that stated
- (e) Years ended 30 June of that stated
- (f) BGS estimates, based on known imports into certain countries
- (g) Including ferro-silico- manganese

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Pig iron	149 631	131 869	228 259	234 061	240 886
Sponge & powder	16 990	16 957	18 992	20 487	21 536
Ferro-chrome & ferro-silico-chrome	78 478	93 596	128 507	135 108	133 505
Ferro-silico-magnesium	9 479	6 498	9 080	10 961	11 514
Ferro-manganese	35 160	93 758	119 463	135 494	131 580
Ferro-silico-manganese	32 297	35 046	31 897	40 453	35 111
Ferro-molybdenum	286	920	1 103	1 375	399
Ferro-nickel	17 611	18 018	40 540	39 115	35 498
Ferro-niobium	603	543	852	767	918
Ferro-phosphorus	3 212	3 004	2 791	3 021	3 230
Ferro-silicon	77 609	76 333	80 254	92 069	95 109
Ferro-titanium & ferro-silico-titanium	5 190	6 203	7 419	7 761	7 475
Ferro-tungsten & ferro-silico-tungsten	182	95	59	98	43
Ferro-vanadium	801	493	500	450	292
Other ferro-alloys	1 929	2 829	2 391	3 448	1 806
Silicon metal	41 887	38 693	42 294	44 041	46 765
Ingots, blooms, billets	233 601	230 260	282 652	794 305	368 461
Scrap	69 395	22 594	88 913	177 248	241 060
Austria					
Pig iron	25 984	26 026	24 045	24 764	18 614
Sponge & powder	6 606	4 759	7 421	6 487	8 001
Ferro-chrome	15 013	14 553	22 695	19 760	22 895
Ferro-silico-chrome	417	311	421	479	639
Ferro-manganese	13 917	15 567	19 260	14 753	15 596
Ferro-silico-manganese	10 153	12 010	13 493	10 318	16 051
Ferro-molybdenum	270	529	610	705	1 000
Ferro-nickel	—	89	85	103	230
Ferro-niobium & ferro-niobium-tantalum	192	151	197	229	305
Ferro-silicon	11 204	12 356	26 859	11 942	12 317
Ferro-titanium & ferro-silico-titanium	295	277	478	237	492
Ferro-tungsten & ferro-silico-tungsten	175	293	528	583	443
Ferro-vanadium	118	173	372	438	536
Other ferro-alloys	1 871	2 111	2 671	2 824	2 922
Silicon metal	5 871	3 890	13 271	2 878	6 771
Ingots & blooms	329 314	110 106	123 303	183 140	121 689
Scrap	165 043	417 507	408 011	529 245	400 628
Belgium-Luxembourg					
Pig iron	111 888	125 737	250 676	101 121	70 264
Sponge & powder	5 969	3 254	65 496	59 795	3 951
Ferro-chrome	93 212	355 814	115 712	126 545	89 675
Ferro-silico-chrome	2 121	2 150	1 646	3 280	2 306
Ferro-manganese	53 594	57 239	54 021	65 080	46 796
Ferro-silico-manganese	45 400	49 027	47 909	53 724	51 538
Ferro-molybdenum	957	1 560	1 991	2 215	(d) ...
Ferro-nickel	38 134	26 733	33 151	22 507	17 142
Ferro-niobium	564	10 437	13 978	601	(d) ...
Ferro-phosphorus	1 687	153	19 636	526	(d) ...
Ferro-silicon	38 880	40 908	36 302	54 053	46 615
Ferro-titanium & ferro-silico-titanium	347	193	606	697	(d) ...
Ferro-vanadium	248	890	738	493	(d) ...
Other ferro-alloys	2 301	2 374	2 304	2 199	6 939
Ingots, blooms, billets	1 019 594	822 788	1 485 125	1 688 815	1 688 927
Scrap	2 082 995	2 429 355	2 992 215	3 744 666	3 811 162
Denmark					
Pig iron	74 119	85 511	90 163	85 193	100 754
Sponge & powder	2 411	1 810	2 871	2 145	1 994
Ferro-chrome & ferro-silico-chrome	68	87	111	222	174
Ferro-manganese	2 453	2 362	3 766	2 028	2 420
Ferro-silico-manganese	4 706	4 534	4 781	3 910	4 475
Ferro-silicon	3 105	2 443	2 880	2 962	2 593
Other ferro-alloys	768	1 220	1 592	1 685	1 478
Ingots, blooms, billets	8 689	4 027	20 080	112 835	22 380
Scrap	96 494	147 270	140 683	168 942	330 509

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Finland					
Pig iron	7 272	19 292	29 495	74 625	...
Sponge & powder	220	120	176	935	...
Ferro-chrome & ferro-silico-chrome	2 425	3 110	5 404	3 072	...
Ferro-manganese	5 399	6 722	9 920	10 398	...
Ferro-silico-manganese	22 587	23 523	23 937	25 953	...
Ferro-molybdenum	1 086	956	1 373	1 184	...
Ferro-nickel	56 265	60 255	64 429	70 338	53 103
Ferro-silicon	14 961	14 235	22 294	13 833	...
Ferro-titanium & ferro-silico-titanium	374	373	562	530	...
Ferro-vanadium	164	254	241	244	...
Other ferro-alloys	1 302	1 903	2 088	3 110	...
Ingots, blooms, billets	107 937	149 636	227 998	561 763	...
Scrap	53 111	139 680	338 483	297 460	...
France					
Pig iron	327 131	155 126	186 339	200 945	...
Sponge & powder	36 538	10 452	13 838	13 719	...
Ferro-chrome	189 945	139 303	236 227	260 050	...
Ferro-silico-chrome	57	202	354	148	...
Ferro-silico-magnesium	3 479	2 248	2 848	2 526	...
Ferro-manganese	44 033	40 192	38 803	42 817	...
Ferro-silico-manganese	48 550	31 380	33 717	45 074	...
Ferro-molybdenum	2 037	2 240	4 228	4 871	4 591
Ferro-nickel	33 728	30 105	36 972	42 696	63 163
Ferro-niobium	1 245	972	1 291	1 356	...
Ferro-phosphorus	2 586	1 876	2 321	3 101	...
Ferro-silicon	78 070	61 009	60 893	55 536	...
Ferro-titanium & ferro-silico-titanium	3 441	3 568	4 810	4 759	...
Ferro-tungsten & ferro-silico-tungsten	305	227	217	672	...
Ferro-vanadium	745	746	1 134	993	...
Other ferro-alloys	9 207	17 580	7 389	8 088	...
Silicon metal	14 386	10 903	14 778	15 670	...
Ingots, blooms, billets	357 345	534 352	929 868	1 041 393	...
Scrap	1 217 225	1 110 854	1 395 930	1 705 635	...
Germany					
Pig iron	285 769	233 589	387 261	414 887	242 049
Sponge & powder	41 603	24 145	36 089	54 970	46 172
Ferro-chrome	328 645	278 633	354 662	444 412	339 641
Ferro-silico-chrome	14 985	9 591	19 245	28 616	18 711
Ferro-silico-magnesium	2 157	2 415	3 574	4 687	4 600
Ferro-manganese	130 186	112 232	163 597	198 334	152 092
Ferro-silico-manganese	140 259	112 302	133 487	135 336	121 775
Ferro-molybdenum	8 255	5 728	7 493	7 842	6 757
Ferro-nickel	65 132	51 792	118 902	11 954	77 681
Ferro-niobium	2 412	2 271	2 478	2 221	3 395
Ferro-phosphorus	8 544	10 542	24 306	26 550	7 266
Ferro-silicon	189 382	176 965	160 868	184 678	179 525
Ferro-titanium & ferro-silico-titanium	6 181	4 783	10 138	8 357	7 586
Ferro-tungsten & ferro-silico-tungsten	617	445	517	901	529
Ferro-vanadium	2 527	1 994	5 915	3 895	3 861
Other ferro-alloys	9 893	11 717	12 723	18 276	21 224
Silicon metal	73 447	71 922	94 388	100 688	95 897
Ingots, blooms, billets	1 204 752	805 198	1 377 426	1 767 641	998 882
Scrap	811 502	910 196	1 017 302	1 253 512	1 334 691
Greece					
Pig iron	42 378	27 180	35 098	16 864	...
Ferro-manganese	2 931	5 354	3 478	4 083	...
Ferro-silico-manganese	2 896	2 083	2 546	4 945	...
Ferro-silicon	1 675	2 292	4 407	2 193	...
Other ferro-alloys	529	434	480	381	...
Ingots, blooms, billets	837 281	415 841	549 866	626 795	...
Scrap	373 446	366 337	346 957	460 576	...
Irish Republic					
Pig iron	1 519	376	629	10 257	320
Ferro-alloys	9 335	3 790	2 598	1 654	2 256
Ingots, blooms, billets	5 226	3 110	8 025	6 755	3 315
Scrap	158 181	347 429	166 585	153 246	51 870

Imports of Iron, Steel and Ferro-alloys

Country	1992	1993	1994	1995	1996
Italy					
Pig iron	941 098	812 996	1 202 114	1 636 859	...
Spiegeleisen	200	340	98	...	...
Sponge & powder	116 298	113 243	186 373	21 717	...
Ferro-chrome	108 716	112 558	185 648	225 766	...
Ferro-silico-chrome	39	151	214	165	...
Ferro-silico-magnesium	5 558	4 726	—	(d) ...	...
Ferro-manganese	91 461	66 293	68 252	69 017	...
Ferro-silico-manganese	85 781	76 591	89 874	75 494	...
Ferro-molybdenum	3 113	3 626	4 505	(d) ...	...
Ferro-nickel	24 945	25 138	25 824	20 852	37 603
Ferro-niobium	984	948	1 135	(d) ...	...
Ferro-silicon	96 154	104 394	93 639	112 967	...
Ferro-titanium & ferro-silico-titanium	2 166	2 908	3 418	(d) ...	...
Ferro-tungsten & ferro-silico-tungsten	108	154	202	(d) ...	...
Ferro-vanadium	1 259	1 335	1 721	(d) ...	...
Other ferro-alloys	4 649	6 081	10 308	28 086	...
Silicon metal	15 499	17 691	48 902	17 599	...
Ingots, blooms, billets	1 297 968	705 471	1 338 121	2 036 702	...
Scrap	6 259 036	5 931 527	6 389 402	6 337 321	...
Netherlands					
Pig iron	55 959	122 577	198 425	199 003	156 013
Sponge & powder	1 606	6 011	7 790	8 141	1 722
Ferro-chrome	4 777	72 792	64 126	200 212	194 728
Ferro-silico-chrome	...	1 520	3 884	2 753	148
Ferro-silico-magnesium	1 466	1 025	1 484	1 823	(d) ...
Ferro-manganese	18 394	24 596	16 691	34 042	23 416
Ferro-silico-manganese	2 478	25 392	61 566	46 497	50 575
Ferro-molybdenum	274	2 074	2 795	2 633	(d) ...
Ferro-nickel	527	2 366	15 456	8 370	3 428
Ferro-niobium	65	1 124	176	681	(d) ...
Ferro-phosphorus	467	1 940	6 580	759	(d) ...
Ferro-silicon	5 761	92 707	10 581	42 428	38 326
Ferro-titanium & ferro-silico-titanium	496	184	551	1 287	(d) ...
Ferro-tungsten & ferro-silico-tungsten	64	273	132	606	(d) ...
Ferro-vanadium	48	360	202	725	(d) ...
Other ferro-alloys	608	764	1 157	1 671	13 144
Silicon metal	8 674	15 618	12 687	13 532	13 410
Ingots, blooms, billets	41 233	97 675	65 280	56 957	32 245
Scrap	2 038 355	3 744 856	2 938 297	3 281 654	2 816 539
Portugal					
Pig iron	25 395	4 753	14 442	...	20 671
Ferro-manganese	2 002	1 965	1 724	(d) ...	1 239
Ferro-silico-manganese	3 560	5 496	(d) ...	(d) ...	7 177
Ferro-silicon	4 793	3 192	(d) ...	(d) ...	4 087
Other ferro-alloys	1 422	942	11 502	13 000	1 619
Ingots, blooms, billets	10 939	2 496	27 077	...	3 277
Scrap	23 061	22 645	35 490	62 000	34 555
Spain					
Pig iron	140 126	145 605	232 426	321 804	...
Sponge & powder	126 812	145 862	221 970	229 007	...
Ferro-chrome	85 031	101 559	151 321	150 798	...
Ferro-silico-chrome	2 529	3 841	5 543	5 258	...
Ferro-manganese	24 840	23 277	29 244	28 929	...
Ferro-silico-manganese	33 601	35 353	36 414	29 012	...
Ferro-molybdenum	1 019	1 431	2 175	2 396	...
Ferro-nickel	21 910	21 920	29 345	25 027	28 043
Ferro-niobium	115	257	302	265	...
Ferro-phosphorus	1 440	1 027	1 741	1 291	...
Ferro-silicon	33 169	23 314	33 593	21 439	...
Ferro-titanium & ferro-silico-titanium	286	178	304	242	...
Ferro-tungsten & ferro-silico-tungsten	28	37	17	31	...
Ferro-vanadium	305	364	634	583	...
Other ferro-alloys	4 605	3 176	5 790	8 562	...
Silicon metal	1 870	4 478	3 766	3 126	...
Ingots, blooms, billets	106 545	51 366	65 078	335 428	...
Scrap	4 259 542	4 064 935	4 534 213	4 799 745	...

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Sweden					
Pig iron	16 171	24 953	47 068	42 187	39 062
Sponge & powder	3 231	2 253	4 847	4 393	4 239
Ferro-chrome	46 342	49 356	66 757	79 408	64 878
Ferro-silico-chrome	2 392	1 845	2 152	2 568	2 397
Ferro-manganese	20 403	22 852	24 235	29 828	24 501
Ferro-silico-manganese	14 748	13 120	17 313	21 328	18 163
Ferro-molybdenum	2 412	2 824	3 803	(d) ...	(d)...
Ferro-nickel	13 330	15 581	21 398	20 440	16 657
Ferro-niobium	514	431	454	(d) ...	(d)...
Ferro-silicon	18 391	20 702	33 460	25 080	30 978
Ferro-titanium & ferro-silico-titanium	1 549	1 713	2 119	(d) ...	(d) ...
Ferro-tungsten & ferro-silico-tungsten	177	242	1 684	(d) ...	(d) ...
Ferro-vanadium	1 131	1 266	1 909	(d) ...	(d) ...
Other ferro-alloys	2 333	5 084	3 362	11 480	9 555
Silicon metal	1 805	1 948	2 641	1 795	2 487
Ingots, blooms, billets	50 190	96 623	340 318	247 078	335 334
Scrap	281 514	467 967	663 765	362 905	333 059
Belarus					
Scrap	46 000	32 000	11 000	262 000	...
Bulgaria					
Pig iron	20 500	11 900	9 700	...	...
Ferro-manganese	3 400	3 700	1 100	(d) ...	...
Other ferro-alloys	1 500	6 900	13 600	11 000	...
Ingots, blooms, billets	49 400	107 200	88 700	63 000	...
Croatia					
Pig iron	14 278	8 346	125 000	13 332	13 306
Ferro-alloys	1 332	1 470	...	97 401	26 329
Ingots, blooms, billets	91 773	95 319	65 800	51 757	29 979
Scrap	12 979	5 589	...	1 635	2 102
Czechoslovakia					
Pig iron	95 000	—	—	—	—
Ferro-chrome & ferro-silico-chrome (b)	*2 100	—	—	—	—
Ferro-titanium & ferro-silico-titanium (b)	*200	—	—	—	—
Other ferro-alloys (b)	*52 300	—	—	—	—
Ingots, blooms, billets	127 600	—	—	—	—
Scrap (b)	*401 400	—	—	—	—
Czech Republic					
Pig iron	—	187 000	162 000	...	...
Ferro-alloys	—	93 000	98 404	117 000	...
Scrap	—	223 000	158 019	89 000	...
Hungary					
Pig iron	35 497	22 406	21 481	24 535	31 727
Ferro-chrome	534	918	2 279	(d) ...	(d) ...
Ferro-manganese	5 843	2 394	8 058	8 575	7 262
Ferro-silicon	6 284	6 090	6 516	7 716	7 716
Other ferro-alloys	2 274	2 318	4 051	7 822	7 902
Ingots, blooms, billets	130 361	133 266	147 869	327 726	166 800
Scrap	3 628	3 731	5 739	9 325	12 766
Latvia					
Pig iron	30 000	14 000	29 848	...	...
Scrap	17 000	29 600	6 532	6 000	...
Lithuania					
Pig iron	11 957	...	2 140	1 762	...
Norway					
Pig iron	3 637	6 275	8 323	10 405	9 227
Sponge & powder	25 695	30 818	9 161	4 049	967
Ferro-chrome	485	518	655	864	660
Ferro-manganese	6 196	1 490	7 323	15 449	6 079
Ferro-silico-manganese	4 908	1 166	562	5 645	49
Ferro-silicon	1 954	3 833	7 512	6 152	5 207
Other ferro-alloys	397	592	509	4 613	728
Silicon metal	1 720	3 732	8 962	8 704	5 360
Ingots, blooms, billets	149 969	131 923	166 937	196 095	124 334
Scrap	133 373	222 712	200 118	230 461	215 747

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Poland					
Pig iron	90 332	107 567	68 388	44 537	...
Sponge & powder	842	946	2 070	2 513	...
Ferro-chrome	3 286	4 622	5 062	11 961	...
Ferro-silico-magnesium	1 362	838	994	1 897	...
Ferro-manganese	7 739	12 976	5 707	9 013	...
Ferro-silico-manganese	1 289	3 930	5 354	7 682	...
Ferro-molybdenum	348	382	438	744	...
Ferro-phosphorus	1 083	947	1 088	980	...
Ferro-silicon	2 332	7 297	13 227	8 837	...
Ferro-vanadium	209	191	318	405	...
Other ferro-alloys	674	383	399	968	...
Silicon metal	2 936	2 904	4 098	4 070	...
Ingots, blooms, billets	3 232	84 267	150 008	...	...
Scrap	1 022	254	185	238	...
Romania					
Pig iron	2 987	18 892	3 441	6 594	6 673
Ferro-alloys	33 095	37 880	54 728	61 531	47 740
Ingots, blooms, billets	540	19 125	18 991	88 410	97 269
Slovakia					
Pig iron	—	12 303	22 000	...	...
Sponge & powder (b)	—	*200	*8 400	*600	...
Scrap	—	85 000	133 000	236 000	...
Slovenia					
Pig iron	13 152	11 169	9 243	...	...
Ferro-alloys	14 603	10 660	11 186	15 000	...
Ingots, blooms, billets	42 364	20 448	9 848	3 000	...
Scrap	285 605	196 268	278 290	260 000	...
Switzerland					
Pig iron	35 709	25 830	25 825	44 518	30 921
Sponge & powder	4 645	4 099	4 964	5 549	4 855
Ferro-aluminium	662	670	999	1 055	1 860
Ferro-chrome	1 035	1 280	692	805	522
Ferro-manganese	3 800	3 044	1 989	2 757	3 617
Ferro-silico-manganese	9 112	9 047	8 204	4 396	3 830
Ferro-silicon	6 231	5 412	5 090	5 171	4 702
Other ferro-alloys	1 029	928	772	748	947
Silicon metal	1 608	760	1 505	1 589	1 397
Ingots, blooms, billets	90 098	93 408	172 287	132 120	59 664
Scrap	348 521	434 960	110 249	90 186	76 086
Turkey					
Pig iron	449 490	697 594	563 512	580 624	393 343
Sponge & powder	42 800	4 952	1 106	1 962	2 363
Ferro-manganese	40 187	24 988	37 455	...	33 940
Ferro-silico-manganese	61 041	72 943	89 472	103 832	93 835
Ferro-silicon	20 566	37 387	33 107	...	45 023
Other ferro-alloys	4 154	6 037	3 509	3 594	4 715
Ingots, blooms, billets	987 784	2 518 255	1 620 437	1 009 767	1 311 824
Scrap	4 989 316	6 372 843	5 917 326	6 613 223	7 085 308
Ukraine					
Scrap	249 200	158 600	113 400	181 000	...
Yugoslavia, Federal Republic of					
Pig iron	2 417	...	...	...	...
Sponge & powder	148	...	...	...	...
Ferro-chrome	717	...	...	...	...
Ferro-silico-chrome	—	...	...	...	...
Ferro-manganese	3 931	...	...	...	...
Ferro-silicon	1 412	...	...	...	...
Other ferro-alloys	344	...	...	...	...
Ingots, blooms, billets	157 687	...	...	...	...
Scrap	112 106	*70 000	*50 000	*50 000	...
Algeria					
Pig iron	2 801	...	1 954	...	...
Ferro-manganese	1 598	1 500	1 992	...	...
Other ferro-alloys	2 428	...	2 089	...	...
Ingots, blooms, billets	18 633	28 000	...	...	...

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Egypt					
Ferro-alloys	17 293	24 152	18 635	...	...
Ingots & billets	236 686	231 239	338 445	282 518	...
Scrap	109 818	120 000	105 666	97 400	...
Kenya					
Ingots & blooms	54 747	50 392	...	...	...
Mauritius					
Pig iron & ingots	24 556	...	...	...	...
Morocco					
Pig iron	15 958	3 507	3 564	...	...
Ferro-alloys	347	272	386	...	...
Ingots, blooms, billets	341 550	315 451	411 442	...	...
Scrap	3 169	5 835	...	...	...
Nigeria					
Ferro-manganese	*1 000	*1 500	*100	*100	...
South Africa					
Ferro-chrome	3 106	1 953	2 090	1 321	...
Ferro-silico-magnesium	743	946	977	1 477	...
Ferro-molybdenum	710	633	1 048	949	...
Ferro-silicon	4 944	2 478	2 821	38 217	...
Other ferro-alloys	1 245	382	827	1 510	...
Silicon metal	1 177	1 319	747	422	...
Scrap	11 542	30 884	80 423	155 300	...
Tunisia					
Pig iron	1 565	2 634	1 422	...	...
Ferro-alloys	1 925	1 864	2 305	...	...
Ingots, blooms, billets	57 949	62 894	80 281	...	...
Scrap	3 526	1 100	379	700	...
Zimbabwe					
Ferro-manganese	326	1 589	1 532	1 710	...
Ferro-silicon	350	1 024	1 626	1 269	...
Canada					
Pig iron	26 565	30 328	59 368	18 533	32 245
Sponge & powder	13 752	26 403	10 443	76 822	32 498
Ferro-calcium-silicon	1 714	2 039	1 900	2 111	1 785
Ferro-chrome	34 855	45 268	55 144	62 706	64 545
Ferro-silico-chrome	546	1 020	1 473	885	665
Ferro-manganese	49 920	61 322	67 500	52 877	83 002
Ferro-silico-manganese	24 137	38 905	34 005	41 494	54 426
Ferro-molybdenum	493	699	886	1 414	1 283
Ferro-nickel	1 437	606	9	631	64
Ferro-niobium	1 120	1 570	1 594	1 646	1 266
Ferro-phosphorus	672	980	1 151	1 394	1 067
Ferro-silicon	30 169	24 848	25 264	26 699	42 477
Ferro-titanium & ferro-silico-titanium	328	361	855	759	902
Ferro-vanadium	362	336	631	598	576
Other ferro-alloys	1 578	1 744	1 963	1 776	1 869
Silicon metal	5 448	8 490	12 429	17 451	25 465
Ingots, blooms, billets	270 890	1 271 687	1 064 085	1 481 839	1 053 550
Scrap	1 231 467	1 456 809	1 725 588	1 632 583	1 264 712
Costa Rica					
Ingots, blooms, billets	74 275	58 257	75 676	50 808	...
El Salvador					
Ingots, blooms, billets	22 226	15 905	...	...	...
Scrap	21 423	...	42 152	...	...
Guatemala					
Ingots, blooms, billets	92 821	105 344	71 238	37 058	...
Jamaica					
Ingots, blooms, billets	17 926	...	...	...	...
Mexico					
Pig iron	15 230	18 459	49 767	77 964	...
Sponge & powder	3 773	759 637	1 055 256	1 399 089	...
Ferro-chrome	6 073	4 501	4 344	5 863	...
Ferro-manganese	9 114	13 867	16 116	17 372	...
Ferro-silicon	14 337	16 430	22 920	18 449	...
Other ferro-alloys	3 690	5 640	17 813	12 425	...
Ingots, blooms, billets	154 753	187 357	241 881	137 371	...
Scrap	514 369	852 185	832 667	874 406	...

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Panama					
Ingots, blooms, billets	35 620	35 356	36 713	34 584	...
USA					
Pig iron	496 761	828 405	2 503 709	2 383 358	2 657 503
Sponge & powder	572 398	1 033 367	1 099 175	1 323 901	1 181 377
Ferro-chrome	411 428	383 314	320 045	499 236	419 647
Ferro-silico-chrome	9 379	8 648	15 068	49 667	49 396
Ferro-manganese	303 443	345 366	335 779	321 744	375 368
Ferro-silico-manganese	257 577	323 519	276 648	304 706	324 957
Ferro-molybdenum	1 658	4 615	6 583	6 721	7 929
Ferro-nickel	35 122	37 281	42 350	45 890	43 405
Ferro-niobium	3 801	3 367	4 004	5 685	4 801
Ferro-phosphorus	7 678	8 434	15 244	7 592	10 556
Ferro-silicon	237 007	212 467	203 876	220 645	210 937
Ferro-titanium & ferro-silico-titanium	1 356	4 843	6 337	5 646	7 758
Ferro-tungsten & ferro-silico-tungsten	555	811	687	874	702
Ferro-vanadium	780	2 806	3 101	3 026	2 481
Other ferro-alloys	16 617	16 489	23 489	31 442	37 778
Silicon metal	33 477	73 295	103 307	97 310	83 936
Ingots, blooms, billets	2 127 174	4 536 323	7 207 916	4 695 297	6 848 093
Scrap	1 217 867	1 505 150	1 766 740	2 021 268	2 560 814
Argentina					
Pig iron	8 678	11 970	9 036	2 650	...
Ferro-chrome	2 746	2 702	2 872	3 026	...
Ferro-manganese	1 881	2 230	3 344	5 448	...
Ferro-silicon	417	237	1 977	2 356	...
Other ferro-alloys	1 360	1 116	985	1 537	...
Blooms & billets	170 382	181 100	499 392	396 876	...
Scrap	23 525	7 524	4 590	6 491	...
Brazil					
Sponge & powder	3 191	3 556	3 928	9 760	...
Ferro-chrome	9 131	11 336	15 568	6 096	6 890
Other ferro-alloys	7 599	2 573	6 453	18 213	17 501
Scrap	211 000	114 259	148 666	...	...
Colombia					
Ferro-chrome	1 531	809	758	533	...
Ferro-manganese	3 866	5 130	5 699	5 621	...
Ferro-silico-manganese	2 947	2 528	2 530	4 035	...
Ferro-silicon	2 452	2 251	3 130	2 554	...
Other ferro-alloys	1 047	701	943	1 020	...
Ingots, blooms, billets	65 025	120 518	213 737	147 588	...
Scrap	187 579	205 091	197 076	220 266	...
Ecuador					
Ingots, blooms, billets	...	98 115	95 991	206 414	...
Peru					
Ferro-chrome	294	286	478	697	...
Ferro-manganese	1 937	2 845	3 004	3 160	...
Ferro-silico-manganese	1 007	...	3 991	4 237	...
Ferro-silicon	980	1 250	1 583	1 165	...
Scrap	52 239	49 926	40 718	...	...
Uruguay					
Ferro-alloys	765	624	850	746	...
Ingots, blooms, billets	6 566	5 925	3 021	...	...
Venezuela					
Sponge & powder	24 377	3 223	3 519	21 739	...
Ferro-chrome	349	745	76	252	...
Ferro-manganese	11 135	18 538	26 209	23 227	...
Other ferro-alloys	5 274	1 812	680	1 300	...
Silicon metal	856	1 222	1 055	1 593	...
Ingots, blooms, billets	4 480	891	2 453	68 930	...
Scrap	65 482	73 072	144 868	173 589	...
Abu Dhabi					
Scrap	5 673	10 861	12 937	...	7 046
Bahrain					
Blooms & billets	57 408	74 586	...	...	...

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Bangladesh (a)					
Pig iron	13 687	24 022	...	...	...
Ferro-alloys	1 190	902	...	...	...
Scrap	12 808	9 483	...	...	...
China					
Pig iron	153 501	810 367	311 938	80 084	42 491
Sponge & powder	39 908	152 703	32 564	48 751	6 989
Ferro-alloys	8 710	36 077	31 339	6 901	6 234
Ingots, blooms, billets	1 808 986	6 379 277	2 633 002	645 232	398 005
Scrap	1 243 143	2 980 288	2 121 759	1 334 519	1 283 322
Cyprus					
Pig iron	1 243	1 091	—	—	741
Hong Kong					
Pig iron	15 247	6 728	9 142	2 938	1 118
Ferro-manganese	5 711	13 318	9 935	2 737	9 073
Ferro-silico-manganese	24 645	32 992	15 587	3 821	2 008
Ferro-silicon	21 172	25 253	18 112	22 208	21 445
Other ferro-alloys	3 716	2 686	1 484	3 586	4 941
Silicon metal	17 228	16 924	10 848	8 856	7 145
Ingots, blooms, billets	60 153	192 185	245 467	273 909	319 684
Scrap	208 026	366 032	202 770	257 917	243 392
India (e)					
Pig iron	102 451	3 681	48 571	29 798	...
Sponge & powder	1 068	1 551	2 997	3 583	...
Ferro-chrome & ferro-silico-chrome	689	1 375	5 835	13 456	...
Ferro-manganese & ferro-silico-manganese	59	31	755	2 738	...
Ferro-molybdenum	1 260	815	336	358	...
Ferro-nickel	12 517	13 482	16 661	12 193	...
Ferro-silicon	433	1 550	9 828	22 510	...
Other ferro-alloys	368	520	1 264	1 650	...
Silicon metal	4 360	7 069	11 347	10 951	...
Ingots, blooms, billets	20 860	134 613	237 189	324 176	...
Scrap	3 039 920	1 178 643	2 212 536	1 964 571	...
Indonesia					
Pig iron	255 178	233 678	339 928	557 878	...
Sponge & powder	184 873	22 630	214 019	495 842	...
Ferro-manganese	15 590	8 951	5 311	22 336	...
Ferro-silico-manganese	26 561	33 547	24 625	35 405	...
Ferro-silicon	6 959	8 126	8 315	11 768	...
Other ferro-alloys	1 245	1 417	1 724	2 164	...
Ingots, blooms, billets	338 191	790 960	925 233	1 388 605	...
Scrap	1 244 041	1 886 823	1 024 178	1 462 333	...
Iran					
Ingots, blooms, billets (c)	286 655	160 506	31 454	...	...
Israel					
Ingots, blooms, billets	...	110 000	17 000	...	...
Japan					
Pig iron	1 296 109	1 385 930	1 600 992	2 613 359	791 976
Sponge & powder	171 358	227 704	197 327	154 732	156 601
Ferro-chrome	459 608	548 581	610 163	825 718	718 567
Ferro-silico-chrome	8 863	5 652	11 165	13 208	10 142
Ferro-manganese	25 525	55 377	85 703	123 917	110 917
Ferro-silico-manganese	193 746	210 900	204 342	240 510	233 277
Ferro-molybdenum	1 854	1 818	2 298	2 122	2 585
Ferro-nickel	32 626	44 342	48 394	66 772	58 460
Ferro-niobium	4 187	4 361	3 642	5 051	4 758
Ferro-phosphorus	7 962	5 863	6 709	12 947	5 881
Ferro-silicon	437 554	542 110	484 591	557 155	517 618
Ferro-titanium & ferro-silico-titanium	2 703	4 527	5 487	5 620	3 122
Ferro-tungsten & ferro-silico-tungsten	509	565	750	672	415
Ferro-vanadium	1 014	1 132	1 021	1 336	1 281
Other ferro-alloys	11 269	12 420	10 121	14 448	10 409
Silicon metal	146 962	151 970	151 956	181 696	191 494
Ingots, blooms, billets	615 128	322 477	310 368	567 734	299 397
Scrap	328 113	912 703	1 067 871	1 208 644	375 078
Jordan					
Ingots, blooms, billets	257 046	164 178	168 837	*200 000	...
Scrap	5 034	8 803	2 822	...	...

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Korea, Dem. P.R. of					
Ferro-manganese (b)	*11 700	*14 600	*4 900	*6 600	...
Other ferro-alloys (b)	*6 200	*15 200	*4 600	*4 300	...
Korea, Republic of					
Pig iron	1 068 769	1 482 457	1 764 211	2 141 583	2 426 685
Sponge & powder	283 370	449 892	562 002	690 492	850 124
Ferro-chrome	110 026	167 396	175 056	187 302	204 707
Ferro-silico-chrome	8 300	5 400	10 305	16 108	15 198
Ferro-manganese	26 630	32 595	23 747	37 962	43 650
Ferro-silico-manganese	16 657	39 099	60 511	76 301	99 513
Ferro-molybdenum	530	893	1 328	1 592	1 018
Ferro-nickel	31 500	38 848	41 701	41 680	62 551
Ferro-phosphorus	2 889	3 190	3 791	5 184	3 340
Ferro-silicon	86 481	102 763	105 908	125 369	118 423
Ferro-vanadium	516	539	905	1 519	863
Other ferro-alloys	3 273	3 139	3 877	3 294	3 676
Silicon metal	7 916	11 511	15 365	16 775	19 516
Ingots & blooms	2 011 357	2 347 533	3 032 724	3 246 945	4 176 046
Scrap	3 136 886	4 916 003	4 970 144	5 003 359	5 054 668
Malaysia					
Pig iron	162 967	108 537	134 258	...	...
Spiegeleisen	2 154	8 029	12 311	...	...
Sponge & powder	5 314	5 624	8 843	...	...
Ferro-manganese	14 269	12 645	7 256	...	...
Ferro-silico-manganese	10 098	12 113	6 374	...	...
Ferro-silicon	7 832	11 692	13 228	...	...
Ferro-vanadium	124	303	512	...	...
Other ferro-alloys	3 095	3 115	3 343	...	...
Ingots, blooms, billets	420 707	688 500	717 087	580 958	...
Scrap	704 920	1 417 533	869 896	1 064 500	...
Pakistan (a)					
Pig iron	984	4 417	2 312	...	...
Ferro-manganese	8 387	12 805	9 590	...	...
Ferro-silicon	11 776	5 752	...	...	...
Other ferro-alloys	1 760	1 605	...	...	...
Ingots, blooms, billets	28 622	29 954	...	...	...
Scrap	763 805	433 034	251 386	...	...
Philippines					
Pig iron	13 700	91 340	91 124	59 112	...
Ferro-manganese	2 780	4 531	2 697	3 080	...
Ferro-silico-manganese	104	674	1 281	2 077	...
Ferro-silicon	2 390	4 468	3 864	5 431	...
Other ferro-alloys	495	459	370	485	...
Ingots, blooms, billets	1 045 641	1 229 865	1 618 352	2 234 573	...
Scrap	52 270	53 470	27 923	53 281	...
Qatar					
Scrap	979	12 995	...	...	...
Saudi Arabia					
Pig iron	28 739	43 770	39 290	...	...
Ingots, blooms, billets	51 423	851 527	178 860	...	...
Scrap	3 857	54 670	37 055	...	...
Singapore					
Pig iron	94 524	133 443	87 009	78 599	75 870
Sponge & powder	149	63	260	21	29
Ferro-manganese	3 220	1 878	513	763	962
Ferro-silicon	9 693	15 225	5 353	7 788	12 439
Other ferro-alloys	437	1 073	496	629	1 704
Ingots & blooms	133 522	380 207	333 535	226 880	275 172
Scrap	147 334	147 894	123 609	158 143	83 557
Sri Lanka					
Ingots, blooms, billets	48 880	294 118	87 370	69 203	...
Syria					
Ingots, blooms, billets	20 612	20 377	...	26 329	...
Scrap	79 433	29 758	...	11 748	...

Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1992	1993	1994	1995	1996
Taiwan					
Pig iron	817 656	958 372	1 197 794	1 090 114	...
Sponge & powder	72 570	19 871	38 979	55 824	...
Ferro-chrome	48 045	58 947	93 548	192 574	...
Ferro-manganese	29 411	47 169	37 306	39 274	...
Ferro-silico-manganese	42 222	42 802	43 564	64 962	...
Ferro-molybdenum	291	679	750	1 096	...
Ferro-niobium	205	149	187	203	...
Ferro-silicon	41 504	52 096	46 028	62 098	...
Ferro-vanadium	378	383	523	16 610	...
Other ferro-alloys	1 689	1 776	5 116	19 470	...
Silicon metal	12 566	19 356	17 809	21 673	...
Ingots, blooms, billets	5 443 382	7 508 179	7 680 156	7 426 257	...
Scrap	1 845 489	1 736 356	1 069 912	673 190	...
Thailand					
Pig iron	149 113	113 322	182 447	281 689	...
Sponge & powder	5 524	9 330	10 300	6 506	...
Ferro-chrome	363	661	1 286	2 607	...
Ferro-manganese	9 376	9 944	14 079	13 972	...
Ferro-silico-manganese	2 426	3 308	5 506	16 912	...
Ferro-silicon	10 306	16 532	27 741	19 016	...
Other ferro-alloys	1 396	909	5 875	615	...
Ingots, blooms, billets	1 223 831	1 167 081	3 209 335	3 428 112	...
Scrap	865 435	1 457 660	1 158 764	1 035 693	...
Australia					
Pig iron (a)	4 576	3 213	*13 000	...	...
Sponge & powder (a)	3 631	3 682	...	...	...
Ferro-chrome (a)	6 692	7 280	(d) ...	(d) ...	(d) ...
Ferro-manganese (a)	7 054	12 268	(d) ...	(d) ...	(d) ...
Ferro-silico-manganese (a)	914	931	(d) ...	(d) ...	(d) ...
Ferro-molybdenum (a)	318	157	(d) ...	(d) ...	(d) ...
Ferro-silicon (a)	13 232	24 737	(d) ...	(d) ...	(d) ...
Other ferro-alloys (a)	1 371	5 057	57 000	63 000	75 000
Ingots & billets	16 000	6 000	97 000	19 000	...
Scrap (a)	1 382	(a) 1 781	*49 000	...	...
New Zealand (a)					
Ferro-manganese	2 121	2 279	2 330	1 999	...
Ferro-silicon	3 161	2 828	2 295	2 330	...
Other ferro-alloys	1 451	2 355	2 989	2 522	...
Ingots, blooms, billets	3 955	43	39	75	...

Note(s):

(1) In this table the term 'ingots, blooms, billets' corresponds to items 672.4,6,7 and 8 of the Standard International Trade Classification (Revision 3) which includes those of alloy and high carbon steel

- (a) Years ended 30 June of that stated
- (b) BGS estimates, based on known exports from certain countries
- (c) Years ended 20 March following that stated
- (d) Included with 'other ferro-alloys'
- (e) Years ended 31 March following that stated

Production of Kaolin

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom (a) (i)	2 502 224	2 460 632	2 530 277	2 585 881	2 281 438
Austria	64 733	64 381	65 837	56 789	*50 000
Belgium	*325 000	*300 000	*300 000	*300 000	*300 000
Denmark	3 503	*3 500	*3 500	*3 500	*3 000
Finland	6 700	8 156	8 165	12 392	17 204
France	334 000	295 000	330 000	345 000	326 000
Germany (g)	578 000	544 000	600 000	570 000	550 000
Greece	201 705	89 473	117 254	66 682	...
Italy	33 017	76 000	74 608	87 920	126 000
Portugal (n)	194 090	178 285	181 933	192 530	*200 000
Spain (k)	305 102	284 382	337 339	399 248	340 000
Bosnia & Herzegovina	*3 000	*3 000	*3 000	*3 000	*3 000
Bulgaria	104 000	110 000	115 000	115 000	115 000
Czechoslovakia (h)	598 000	—	—	—	—
Czech Republic (h)	—	702 000	651 790	757 949	741 000
Hungary (c)	7 000	15 000	12 000	5 000	...
Poland	42 400	47 900	52 600	52 965	71 665
Romania	*150 000	*200 000	200 000	150 000	150 000
Slovenia	*15 000	*10 000	*10 000	*10 000	...
Turkey	185 675	138 989	179 775	489 635	288 238
Ukraine	1 000 000	1 000 000	1 015 000	950 000	1 000 000
Yugoslavia, Federal Republic of	111 782	37 627	69 927	56 926	68 460
Algeria	20 844	27 300	17 000	24 068	25 000
Burundi	9 668	5 318	2 331	4 766	*4 500
Egypt (d)	95 693	78 107	54 175	70 597	115 409
Madagascar	756	*700	*700	1 545	...
South Africa	131 765	147 349	131 863	146 587	144 777
Tanzania	1 360	477	541	596	1 332
Mexico	144 121	215 510	193 034	221 685	253 602
USA (e)	8 735 204	8 830 000	8 770 000	9 480 000	*9 530 000
Argentina	43 722	42 052	50 471	40 010	44 200
Brazil (b)	*900 000	1 031 100	1 323 443	1 269 468	*1 300 000
Chile	59 083	66 939	73 081	10 845	...
Colombia (j)	*900 000	*900 000	...	...	...
Ecuador	6 381	4 230	6 623	*8 000	*7 000
Paraguay	*74 000	*74 000	*74 000	66 300	*74 000
Peru	1 338	4 778	7 908	8 233	14 295
Venezuela	40 811	32 000	10 345	6 000	8 000
Bangladesh (d)	2 317	1 637	2 753	6 597	*7 000
China	*700 000	800 000	850 000	900 000	950 000
India (i)	124 000	129 000	134 000	160 000	*160 000
Indonesia	230 550	42 365	53 236	14 373	*15 000
Iran	264 083	254 413	227 650	265 591	...
Israel	53 000	40 000	*40 000	*40 000	*40 000
Japan	122 948	110 318	138 412	182 122	141 230
Jordan	34 446	47 174	*47 200	65 998	...
Korea, Republic of (m)	1 856 157	2 328 921	2 675 485	2 792 139	*2 800 000
Malaysia	306 404	254 345	312 628	404 336	...
Pakistan	37 444	37 179	47 894	30 746	54 860
Sri Lanka	14 000	16 000	7 800	16 000	7 700
Taiwan	103 071	126 752	102 822	20 406	25 083
Thailand (h)	304 480	404 029	425 567	460 629	554 000

Kaolin

Production of Kaolin

tonnes

Country	1992	1993	1994	1995	1996
Australia (c) (d) (f)	180 000	180 000	200 000	210 000	190 000
New Zealand	27 520	26 543	40 720	13 662	15 000
World total	22 300 000	22 800 000	23 800 000	25 100 000	24 800 000

Note(s):

(1) In addition to the countries listed, Lebanon and Vietnam are believed to produce kaolin

- (a) Sales
- (b) Including beneficiated and directly shipped material
- (c) Including beneficiated material
- (d) Years ended 30 June of that stated
- (e) Sold or used by producers
- (f) White clays; including kaolin and ball clay
- (g) Washed and dried
- (h) Beneficiated
- (i) Beneficiated; excludes directly used natural kaolin
- (j) Crude
- (k) Washed
- (l) Dry weight
- (m) Includes lower quality kaolinite and halloysite
- (n) Includes washed and unwashed kaolin

Exports of Kaolin

Country	1992	1993	1994	1995	1996
United Kingdom (d)	2 168 572	2 125 129	2 173 888	2 222 316	1 957 761
Austria	28 270	15 716	9 353	*10 800	...
Belgium-Luxembourg	139 226	165 759	100 191	197 923	250 146
Denmark	491	337	421	598	517
France	256 761	244 852	273 975	281 358	...
Germany	279 886	267 435	496 760	354 103	196 066
Greece	24 179	9 402	21 095	12 941	...
Italy	31 178	61 064	37 567	34 831	...
Netherlands	170 451	158 258	227 888	157 631	102 372
Spain	147 504	94 163	117 571	138 647	...
Sweden	1 412	904	4 088	10 600	13 753
Bulgaria (a)	*19 000	*29 500	*40 000	*47 400	...
Czechoslovakia	*440 000	—	—	—	—
Czech Republic	—	426 488	345 423	383 498	361 858
Hungary	2 572	4 398	4 059	5 529	4 403
Poland	1 866	1 834	10 220	11 015	...
Russia (a)	*5 700	*3 700	...	*100	...
Slovenia	7 200	4 400	1 900	1 000	...
Switzerland	257	10 895	7 089	143	286
Turkey	63 994	84 666	189 425	256 907	190 761
Ukraine (a)	—	*9 100	*11 800	*17 900	...
USA	3 003 994	2 990 206	3 189 995	3 246 515	3 246 749
Brazil	335 476	601 337	524 877	579 810	601 822
China	376 978	419 552	485 721	439 439	882 146
Hong Kong (e)	400 154	533 300	479 702	457 193	261 578
India (b)	18 175	9 142	8 658	6 242	...
Indonesia	137 851	126 146	157 866	192 983	...
Israel	14 572	5 307	(a) *5 200	...	...
Japan	11 245	10 252	12 769	10 860	8 108
Jordan	1 102	522	1 078	800	...
Korea, Republic of	34 419	65 476	123 510	108 337	53 579
Malaysia	111 952	161 296	110 784	125 354	...
Taiwan	6 706	7 263	6 997	7 486	...
Thailand	16 952	38 098	26 793	27 281	...
Australia (c)	132 262	154 487	*145 000	*130 000	...
New Zealand (c)	18 692	18 206	19 306	17 787	15 047

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 31 March following that stated

(c) Years ended 30 June of that stated

(d) Dry weight

(e) Re-exports

Imports of Kaolin

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	24 520	23 273	21 693	17 377	37 800
Austria	214 418	202 896	222 474	*249 000	...
Belgium-Luxembourg	438 736	499 788	714 738	644 275	646 593
Denmark	15 910	9 776	9 987	14 587	16 037
Finland	1 017 452	1 175 689	1 328 205	1 378 081	...
France	401 173	399 983	438 057	444 127	...
Germany	918 086	830 079	741 120	717 388	633 467
Greece	28 917	25 114	32 681	57 137	...
Irish Republic	5 000	10 125	10 689	14 837	13 978
Italy	752 479	751 278	855 168	886 062	...
Netherlands	545 943	568 795	596 674	523 965	509 753
Portugal	63 211	41 455	54 935	76 766	95 805
Spain	361 606	330 858	368 212	453 490	...
Sweden	350 992	360 063	340 208	400 921	342 964
Croatia	25 744	13 992	9 400	16 213	14 193
Czechoslovakia (c)	*700	—	—	—	—
Czech Republic	—	1 353	3 963	3 825	5 846
Hungary	20 428	30 027	22 554	26 145	34 027
Macedonia (c)	...	...	*1 100	*900	...
Norway	93 813	145 805	180 269	252 658	224 811
Poland	77 379	75 495	91 997	91 409	...
Romania	17 633	38 733	47 699	41 602	54 330
Slovenia	27 400	22 800	21 900	19 600	...
Switzerland	76 765	75 852	75 601	78 243	74 682
Turkey	32 510	43 044	61 194	84 717	85 789
Yugoslavia, Federal Republic of	10 363	...	...	...	...
South Africa	24 426	22 969	36 985	35 081	...
Tunisia	45 176	38 700	46 590	44 900	...
Zimbabwe (d)	825	513	568	926	...
Canada	530 735	531 079	626 718	621 166	599 842
Mexico	111 189	128 117	172 002	151 604	...
USA	4 221	7 626	10 786	12 017	13 728
Argentina	20 463	28 692	24 992	30 924	...
Brazil	1 119	1 628	2 044	2 372	...
Chile	14 307	10 255	15 462	22 152	16 463
Colombia	12 469	9 732	11 944	7 899	...
Ecuador	756	1 937	7 729	7 946	...
Peru	864	1 395	2 234	2 369	...
Uruguay	5 682	5 481	6 436	5 492	...
Venezuela	31 085	33 413	27 240	29 365	...
Bangladesh (b)	7 702	9 594	...	...	...
China	10 310	16 844	25 639	30 805	37 211
Cyprus	7 876	9 926	16 126	8 393	16 361
Hong Kong	310 295	556 138	548 899	405 245	175 803
Indonesia	69 595	74 638	75 597	132 108	...
Iran (a)	31 670	17 175	19 214	...	...
Israel (c)	*10 400	*6 900	*10 000	*8 800	...
Japan	1 153 223	1 189 611	1 283 769	1 265 419	1 399 224
Jordan	876	1 975	4 253	5 600	...
Korea, Republic of	205 494	225 961	249 641	274 433	264 587
Malaysia	27 787	29 270	34 455	44 200	...
Pakistan (b)	9 526	7 883	8 796	...	...
Philippines	21 996	39 967	33 804	34 307	...
Saudi Arabia	6 385	4 453	9 749	...	...
Taiwan	1 015 464	1 361 737	1 722 616	1 468 705	...
Thailand	44 628	121 972	41 751	45 990	...
Australia (b)	7 119	11 965	...	...	...
New Zealand (b)	9 045	8 133	8 657	10 360	...

(a) Years ended 20 March following that stated

(b) Years ended 30 June of that stated

(c) BGS estimates, based on known exports from certain countries

(d) Including fuller's earth

Mine Production of Lead

tonnes (metal content)

Country	1992	1993	1994	1995	1996
United Kingdom	*1 000	*1 000	2 000	*1 600	*1 800
Austria	1 715	2 047	—	—	—
Finland	923	—	—	—	3 000
Germany (a)	2 100	—	—	—	—
Greece	28 300	26 400	19 740	14 283	8 400
Irish Republic	42 900	48 300	53 700	46 100	45 300
Italy	18 000	7 404	13 902	15 400	13 900
Spain	30 447	25 503	23 867	30 346	21 592
Sweden	105 295	111 709	112 787	100 070	98 812
Bosnia & Herzegovina	*800	*200	...	...	...
Bulgaria	39 600	34 400	32 000	32 500	28 500
Czechoslovakia	*2 000	—	—	—	—
Georgia	*800	*500	*400	*300	*200
Macedonia	31 600	32 700	28 600	24 700	26 900
Norway	4 170	2 245	3 160	1 452	2 100
Poland	51 000	49 100	51 600	58 100	54 000
Romania	*16 700	16 900	23 838	23 194	18 712
Russia	43 500	44 400	25 000	22 800	16 000
Slovakia	—	1 800	1 800	1 800	1 000
Slovenia	1 000	1 000	—	—	—
Turkey	9 900	11 000	9 800	10 376	11 900
Yugoslavia, Federal Republic of	22 661	9 229	6 651	11 689	16 005
Algeria	900	900	700	800	600
Kenya	—	396	350	4	—
Morocco	59 600	81 680	73 160	68 870	75 076
Namibia	20 000	18 000	21 100	22 100	20 200
South Africa	75 806	100 171	95 824	88 501	87 354
Tunisia	800	540	2 900	6 700	4 765
Zambia	6 100	7 600	600	—	—
Canada	343 808	183 155	170 909	210 286	256 674
Honduras	9 561	3 838	2 777	2 461	4 669
Mexico	172 563	181 741	163 836	179 772	167 113
USA	406 600	362 400	370 200	393 600	435 945
Argentina	17 956	11 826	9 981	10 521	11 272
Bolivia	20 002	21 220	19 678	20 387	16 538
Brazil	2 517	117	806	5 689	*6 600
Chile	298	344	1 008	944	1 089
Peru (a)	194 225	218 507	233 510	232 540	248 787
China	330 200	346 300	461 900	514 200	643 400
India	30 500	26 000	23 900	34 300	35 000
Iran (b)	12 400	14 700	18 300	15 900	15 700
Japan	18 839	16 470	9 946	9 659	7 753
Kazakhstan	130 000	104 000	38 000	40 000	*28 000
Korea, Dem. P.R. of	*70 000	*70 000	*70 000	*50 000	*40 000
Korea, Republic of	13 628	7 409	2 173	4 064	5 131
Myanmar	2 700	1 900	2 300	4 800	2 400
Tajikistan	*2 000	*1 600	*1 200	*1 000	*800
Thailand	11 200	5 700	7 500	9 100	21 300
Uzbekistan	*30 000	*30 200	*19 000	*15 000	*10 000
Australia	580 000	510 000	505 000	455 000	522 000
World total	3 000 000	2 800 000	2 700 000	2 800 000	3 000 000

(a) Recoverable

(b) Years ended 20 March following that stated

Production of Refined Lead

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	346 795	363 753	352 466	320 704	351 351
Austria	23 930	22 636	17 165	21 919	23 900
Belgium (a)	116 297	131 112	123 500	121 700	120 900
France	287 060	267 000	260 500	297 100	301 100
Germany	354 300	334 100	331 720	313 910	238 100
Greece	—	—	—	3 800	*5 000
Irish Republic	12 000	9 400	10 000	11 200	11 900
Italy	186 000	197 800	222 600	189 400	209 800
Netherlands	23 500	24 000	24 500	21 500	22 000
Portugal	7 400	8 300	13 000	7 700	5 900
Spain	62 100	62 400	70 400	81 500	90 960
Sweden	91 189	84 576	82 788	88 893	84 494
Bulgaria	53 099	56 994	64 012	60 149	74 700
Czechoslovakia	23 900	—	—	—	—
Czech Republic	—	23 200	25 000	22 000	21 800
Macedonia	23 341	21 881	20 965	22 500	23 700
Poland	53 693	62 305	61 248	66 421	65 983
Romania	14 900	18 100	20 300	23 000	19 400
Russia	21 900	26 000	34 300	30 300	30 000
Slovenia	15 000	12 000	15 000	14 000	14 400
Switzerland	5 700	5 900	6 100	7 000	7 600
Turkey	5 100	4 500	10 000	2 500	12 000
Ukraine	*40 000	*20 000	9 000	10 000	12 000
Yugoslavia, Federal Republic of	23 265	6 393	4 458	11 468	30 317
Algeria	3 000	8 600	*10 000	*10 000	7 500
Kenya	2 300	2 500	1 600	2 000	*2 200
Morocco	71 400	69 116	60 740	62 363	61 749
Namibia	31 655	31 235	23 813	26 752	18 845
Nigeria	6 000	4 500	3 900	*7 500	*5 000
South Africa	29 000	31 800	31 600	32 100	33 000
Zambia	3 400	3 100	500	500	400
Zimbabwe	*2 600	*2 000	*3 000	*3 000	*3 000
Canada	252 885	217 014	251 640	281 391	309 379
Mexico	256 600	239 300	220 700	225 900	210 400
Trinidad & Tobago	*1 000	*1 000	*1 600	*1 500	*2 000
USA (b)	1 182 246	1 195 500	1 249 000	1 357 900	1 402 800
Argentina	*29 700	*28 500	*25 400	28 728	28 101
Brazil (c)	62 800	66 700	64 000	54 000	48 000
Colombia	*4 400	*3 200	*3 600	*4 000	*4 000
Peru	82 488	87 198	87 440	89 577	94 324
Venezuela	15 000	15 000	16 000	15 000	16 000
China	366 400	410 300	467 900	607 900	715 500
India	63 700	50 700	60 300	45 200	46 900
Indonesia	39 200	35 000	30 000	*30 000	*30 000
Iran	35 000	45 000	46 000	45 000	*30 000
Israel	5 000	7 000	8 000	8 200	8 000
Japan	330 161	309 452	292 262	287 578	287 373
Kazakhstan	*240 000	*250 000	130 000	93 000	59 000
Korea, Dem. P.R. of	*65 000	*65 000	*50 000	*45 000	*40 000
Korea, Republic of	90 000	128 000	129 800	180 700	140 800
Malaysia	28 500	29 000	28 800	33 600	*36 000
Myanmar (d)	3 500	1 600	1 800	1 800	*2 000
Pakistan	*3 000	*3 000	*3 000	*3 000	*3 000
Philippines	19 100	24 300	17 200	17 200	*18 000
Saudi Arabia	—	—	—	6 000	15 500
Sri Lanka	1 000	1 000	1 000	1 000	*1 000
Taiwan	20 000	15 000	15 000	36 000	40 500
Thailand	18 906	17 057	16 900	19 100	17 700
United Arab Emirates	*3 700	*3 500	4 100	*4 000	4 100

Production of Refined Lead

tonnes

Country	1992	1993	1994	1995	1996
Australia	232 000	221 000	212 000	215 000	228 300
New Zealand	5 000	3 000	6 000	*6 000	6 000
World total	5 400 000	5 400 000	5 400 000	5 600 000	5 800 000

Note(s):

- (1) Figures relate to both primary and secondary refined lead and include the lead content of antimonial lead. Metal recovered from secondary materials by remelting alone is excluded
- (a) Including alloys
 (b) Excluding Pb content of primary antimonial lead
 (c) Including scrap for direct use
 (d) Years ended 31 March following that stated

Exports of Lead

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	2 539	313	45	93	141
Unwrought	92 503	109 802	96 557	90 685	65 744
Unwrought alloys	26 982	34 333	34 249	43 642	36 969
Scrap	15 741	14 530	11 153	10 878	9 973
Austria					
Unwrought (a)	3 859	3 033	4 609	4 597	5 999
Scrap	1 392	1 200	278	260	49
Belgium-Luxembourg					
Unwrought	55 582	59 605	85 192	71 364	71 416
Unwrought alloys	7 008	13 108	17 480	18 100	33 919
Scrap	41 503	40 103	38 380	44 241	10 284
Denmark					
Unwrought (a)	354	393	1 138	439	1 203
Scrap	14 404	14 473	18 316	19 691	2 612
Finland					
Ore	1 650	—	—	—	...
Unwrought	281	82	15	4	...
Scrap	12 282	10 598	11 357	8 939	...
France					
Unwrought	58 427	41 511	61 247	58 341	74 256
Unwrought alloys	20 035	25 809	21 869	29 236	...
Scrap	6 744	4 590	5 536	5 437	...
Germany					
Ore	28	2 673	—	2	—
Unwrought	26 822	40 246	61 375	39 278	31 059
Unwrought alloys	29 987	30 911	25 428	23 007	22 726
Scrap	20 530	22 695	26 809	27 221	13 598
Greece					
Ore	5 200	...	...	...	...
Unwrought (a)	385	3 915	233	1 554	...
Irish Republic					
Ores & concentrates	67 637	48 622	150 239	93 141	73 440
Unwrought (a)	397	21	8	0	14
Scrap	3 641	1 160	2 639	1 709	1 404
Italy					
Ore	287	3 419	4 784	11 014	...
Unwrought	18 755	24 096	30 559	10 458	(a) 15 000
Unwrought alloys	1 956	3 964	4 703	1 848	...
Scrap	2 762	7 050	9 877	3 232	...
Netherlands					
Unwrought	7 168	8 180	6 098	6 091	10 087
Unwrought alloys	4 636	3 303	629	592	934
Scrap	37 431	28 458	17 914	28 061	14 621
Portugal					
Ore	728	...	...	...	...
Spain					
Ore	66 830	42 908	40 589	57 871	...
Unwrought (a)	1 668	3 445	5 105	4 489	5 000
Scrap	6 676	2 054	2 273	3 577	...
Sweden					
Ore	71 449	130 693	107 759	75 946	79 738
Unwrought	58 720	54 083	46 019	40 790	43 932
Unwrought alloys	8 423	8 269	9 291	8 876	7 960
Scrap	432	726	1 632	184	420
Bulgaria					
Unwrought (a) (f)	*11 900	*15 000	*14 100	*38 900	...
Scrap (f)	*2 900	*2 800	*2 000	*2 300	...
Croatia					
Scrap	3 947	5 151	...	9 381	4 420
Czechoslovakia					
Ores & concentrates (f)	*3 300	—	—	—	—
Unwrought (a) (f)	*8 100	—	—	—	—
Czech Republic					
Unwrought (a)	—	(f) *7 600	6 260	7 000	...
Hungary					
Scrap	21 501	11 395	15 774	21 130	18 750

Exports of Lead

tonnes

Country	1992	1993	1994	1995	1996
Latvia					
Scrap	—	1 000	1 400	1 300	...
Macedonia					
Ores & concentrates	...	24 094	...	...	...
Norway					
Ore	4 286	109	1 500	—	2 140
Scrap	10 502	9 740	13 207	12 140	10 075
Poland					
Ores & concentrates	50 941	40 510	96 629	47 556	61 305
Unwrought	10 651	13 078	16 486	12 255	11 894
Unwrought alloys	6 937	2 186	3 503	8 138	...
Scrap	10 192	2 286	403	382	...
Russia					
Ores & concentrates	...	...	23 895	25 255	23 613
Unwrought (a)	14 677	866	1 614	406	6 080
Slovenia					
Unwrought (a)	7 767	7 861	7 805	6 400	...
Switzerland					
Unwrought (a)	1 857	4 168	3 217	3 860	5 344
Scrap	13 563	16 074	18 586	16 756	9 400
Turkey					
Ore (e)	950	1 001	5 317	891	7 220
Yugoslavia, Federal Republic of					
Concentrates	1 224	...	...	...	...
Unwrought (a)	2 797	...	...	(f) *3 300	...
Morocco					
Ore	19 024	32 543	55 423	42 100	...
Unwrought	62 017	74 900	58 200	63 900	...
Namibia					
Unwrought	31 385	27 956	26 431	22 177	24 416
South Africa					
Concentrates (b)	83 041	87 777	93 716	89 163	86 229
Unwrought (f)	*2 600	*2 800	—	—	—
Tunisia					
Ore	1 700	...	2 070	...	...
Unwrought	—	...	164	...	...
Scrap	—	...	499	1 100	...
Zambia					
Unwrought	100	200	200	—	...
Canada					
Ores & concentrates (b) (g)	205 776	93 549	52 514	90 024	179 433
Unwrought	172 473	161 561	177 713	208 977	214 214
Scrap	6 608	3 354	6 361	7 871	9 606
Honduras					
Ores & concentrates (b)	9 561	3 838	2 777	2 461	4 669
Mexico					
Ores & concentrates	944	247	—	17 985	...
Unwrought	103 337	103 977	61 435	105 320	78 000
Scrap	776	133	113	2 440	...
USA					
Ores & concentrates (b)	230 352	84 266	37 437	88 544	129 789
of which: Re-exports	158 065	42 156	0	28 779	69 780
Unwrought	58 109	47 771	45 747	48 540	82 265
Unwrought alloys	7 819	4 881	2 539	2 297	5 647
Scrap	61 561	51 340	81 806	104 352	85 376
Argentina					
Ores & concentrates	6 599	224	7 676	8 468	...
Bolivia					
Ore	32 669	38 366	38 220	32 008	26 474
Peru					
Ores & concentrates	232 673	224 313	203 325	232 398	*233 000
Unwrought (a)	47 370	70 001	75 084	79 700	84 100
China					
Ore	15 212	28 172	62 910	53 629	14 572
Unwrought (a)	89 876	90 777	191 175	185 284	260 515

Exports of Lead

tonnes

Country	1992	1993	1994	1995	1996
Hong Kong					
Unwrought (a)	6 716	2 194	4 487	6 855	7 799
of which: Re-exports	6 716	2 194	4 307	6 715	7 415
Scrap	2 735	2 269	706	762	285
Indonesia					
Unwrought	5 734	4 407	(a) 14 400	2 060	...
Unwrought alloys	14 276	12 387	...	7 200	...
Iran (c)					
Ore	16 375	25 010	153 069	...	...
Japan					
Unwrought (a)	4 336	8 764	1 423	3 492	7 279
Scrap	20 614	8 162	304	1 195	9 562
Kazakhstan					
Unwrought	56 000	31 000	...	58 198	59 635
Scrap	60 000	30 000	...	115	...
Korea, Dem. P.R. of					
Unwrought (a) (f)	*8 700	*2 500	*6 100	*6 800	...
Korea, Republic of					
Unwrought (a)	8 612	20 670	17 013	20 494	10 018
Scrap	3 000	—	—	34	—
Malaysia					
Unwrought (a)	2 571	3 664	4 858	6 900	...
Scrap	3 210	2 271	2 565	900	...
Saudi Arabia					
Scrap	9 682	10 900	4 325	...	...
Singapore					
Unwrought (a)	6 042	22 443	29 968	15 305	13 913
of which: Re-exports	5 742	21 394	29 738	15 137	13 794
Scrap	5 744	9 719	10 562	10 479	3 787
of which: Re-exports	193	2 320	598	1 743	151
Taiwan					
Unwrought	121	1 260	646	224	(a) 14 542
Unwrought alloys	1 328	340	2 710	7 803	...
Thailand					
Ore	12 690	6 800	8 751	17 270	...
Australia					
Ores & concentrates	200 000	192 000	151 000	146 000	165 000
Unwrought					
Base bullion (h)	233 000	205 000	179 000	167 000	170 000
Refined (a)	187 014	166 840	178 000	200 000	186 000
Scrap (d)	21 491	24 093	...	...	...
New Zealand					
Unwrought	1 882	1 721	1 721	7 070	8 937
Scrap	1 293	698	63	861	456

Note(s):

(1) In this table the term 'unwrought' lead corresponds to item 685.1 of the Standard International Trade Classification (Revision 3) and comprises base bullion, pigs, unwrought bars, etc.

- (a) Including alloys
- (b) Pb content
- (c) Years ended 20 March following that stated
- (d) Years ended 30 June of that stated
- (e) Complex lead-zinc ore
- (f) BGS estimates, based on known imports into certain countries
- (g) Including Pb content of zinc concentrates
- (h) Includes a substantial precious metal content, mainly silver

Imports of Lead

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates (b)	41 998	39 764	31 297	45 503	44 654
Unwrought	205 703	221 346	183 631	164 680	183 461
Unwrought alloys	4 362	4 036	2 497	2 218	2 972
Scrap	7 070	10 795	26 889	19 720	12 493
Austria					
Ore	3 305	1 745	197	762	677
Unwrought (a)	43 853	40 468	46 791	46 271	40 425
Scrap	4 410	4 937	1 073	7 462	6 395
Belgium-Luxembourg					
Ore	84 345	92 378	114 705	86 998	100 448
Unwrought	19 162	20 353	17 592	20 066	8 803
Unwrought alloys	8 090	8 750	8 463	11 605	20 488
Scrap	40 701	55 958	60 841	53 974	30 432
Denmark					
Unwrought	2 359	2 944	2 368	2 946	3 218
Unwrought alloys	2 891	4 455	4 008	1 270	2 924
Scrap	997	1 686	2 748	1 743	1 148
Finland					
Unwrought	4 712	3 373	4 169	2 012	...
Unwrought alloys	3 014	1 375	1 161	1 570	...
France					
Ore	172 664	159 369	154 303	195 812	205 016
Unwrought	34 821	26 781	48 736	42 102	47 987
Unwrought alloys	7 277	4 835	5 148	7 295	...
Scrap	74 846	81 675	87 501	90 042	34 836
Germany					
Ore	199 795	191 500	123 467	103 231	48 673
Unwrought	134 115	100 711	115 235	133 920	106 964
Unwrought alloys	18 082	15 386	16 799	14 347	19 618
Scrap	21 866	14 194	21 868	14 356	8 707
Greece					
Unwrought (a)	6 027	8 317	6 305	6 669	...
Irish Republic					
Unwrought (a)	9 444	12 833	17 410	17 859	...
Scrap	10 361	8 391	9 240	7 978	9 977
Italy					
Ore	112 739	73 509	65 317	66 128	...
Unwrought	67 644	51 436	46 103	78 282	...
Unwrought alloys	14 311	18 406	16 987	26 884	...
Scrap	1 633	764	955	4 467	...
Netherlands					
Unwrought	30 836	25 183	34 704	46 536	39 990
Unwrought alloys	10 579	8 556	6 447	10 321	8 253
Scrap	16 582	19 396	13 345	13 251	10 095
Portugal					
Unwrought (a)	27 971	19 034	21 465	20 300	18 596
Spain					
Unwrought	42 889	32 846	36 078	43 820	(a) 63 400
Unwrought alloys	9 533	4 801	1 995	985	...
Scrap	2 598	2 960	3 768	5 072	...
Sweden					
Ore	6 000	1 780	—	...	1 158
Unwrought	1 515	4 589	4 862	1 060	7 522
Unwrought alloys	191	979	593	1 327	1 846
Scrap	34 318	32 405	33 800	28 209	11 153
Bulgaria					
Ore (f)	*2 500	*3 000	*7 500	*14 500	...
Croatia					
Unwrought (a)	2 187	3 561	1 500	2 817	3 391
Czechoslovakia					
Unwrought (a)	5 000	—	—	—	—
Estonia					
Ore (f)	...	*2 800	*5 100	...	...
Hungary					
Unwrought & semi-manufactures	10 391	14 252	12 839	12 261	13 799
Norway					
Unwrought (a)	4 084	3 155	4 569	5 087	4 304

Imports of Lead

tonnes

Country	1992	1993	1994	1995	1996
Poland					
Unwrought (a)	6 091	9 253	9 627	5 501	5 536
Russia					
Ore (f)	*36 000	*34 100	*20 300	...	...
Slovakia					
Unwrought (a)	—	1 869	(f) *1 600	(f) *2 000	...
Slovenia					
Unwrought (a)	4 971	10 941	8 107	6 300	...
Scrap	19 225	8 736	11 900	17 500	...
Switzerland					
Unwrought (a)	6 827	4 811	5 895	6 077	5 726
Turkey					
Unwrought (a)	19 034	31 517	26 183	35 834	39 058
Scrap	1 537	4 478	523	956	0
Algeria					
Unwrought	(a) 11 778	9 000	6 379	...	...
Egypt					
Unwrought	13 898	12 000	6 202	5 800	...
Morocco					
Ore	22 218	12 220	16 369	...	...
Unwrought alloys	974	494	1 030	1 700	...
Namibia					
Concentrates (b)	11 704	18 443	5 588	6 872	7 360
Nigeria					
Unwrought (a)	*500	*500	*500	*500	...
South Africa					
Ore	8 437	5 308	0	5 531	...
Unwrought (a)	1 497	2 211	4 585	8 330	...
Scrap	...	...	...	878	...
Tunisia					
Unwrought (a)	5 370	2 881	4 113	4 400	...
Canada					
Ores & concentrates (b) (g)	25 711	26 736	40 449	66 996	89 498
Unwrought	7 745	10 890	6 377	4 869	28 151
Scrap	50 538	38 716	67 931	95 705	76 992
Cuba					
Unwrought (h)	1 614	2 133	609	...	...
Mexico					
Ores & concentrates	37 874	47 045	20 783	22 922	...
Scrap	809	314	1	...	...
USA					
Ores & concentrates (b)	264 819	72 037	14 702	124 032	369 179
Unwrought	171 256	173 614	208 512	233 026	238 389
Unwrought alloys	20 823	19 632	24 996	33 234	30 217
Scrap	6 782	4 024	7 391	10 343	17 543
Brazil					
Ore	35 548	44 599	26 784	9 498	...
Unwrought (a)	9 315	47 401	45 033	47 707	...
Scrap	10 780	11 527	3 925	...	...
Chile					
Unwrought (a)	2 633	3 162	3 189	7 289	6 119
Colombia					
Unwrought (a)	4 027	7 093	4 521	3 481	...
Scrap	3 956	3 770	1 025	1 651	...
Uruguay					
Unwrought	660	665	361	262	...
Venezuela					
Unwrought (a)	9 920	12 592	7 990	8 778	...
Scrap	1 624	166	16	1 808	...
China					
Ores & concentrates	8 256	6 080	7 990	31 817	69 958
Unwrought (a)	1 741	2 261	5 503	4 583	7 038
Scrap	5 712	7 322	5 793	5 690	820
Cyprus					
Unwrought (a)	1 315	689	1 145	1 587	2 463

Imports of Lead

Country	1992	1993	1994	1995	1996
Hong Kong					
Unwrought (a)	8 549	4 190	6 710	8 284	8 459
Scrap	1 532	1 206	172	822	727
India (c)					
Ore	50 704	24 404	32 269	14 625	...
Unwrought	8 651	21 766	28 963	20 837	...
Unwrought alloys	139	39	3 096	1 132	...
Scrap	6 728	27 227	48 874	40 882	...
Indonesia					
Unwrought	28 057	34 188	46 010	54 857	...
Unwrought alloys	7 179	13 251	16 420	16 100	...
Scrap	60 328	19 756	19 975	989	...
Iran (d)					
Unwrought	8 000	8 000	...	...	...
Israel					
Unwrought	1 000	1 216	(f) *1 000	(f) *1 400	...
Japan					
Ore	270 197	290 706	234 085	164 819	151 797
Unwrought	51 913	49 901	55 709	79 563	40 066
Unwrought alloys	27 819	15 736	17 219	12 189	11 753
Kazakhstan					
Ore (f)	*20 300	...	*71 400	...	...
Korea, Dem. P.R. of					
Unwrought (a) (f)	*600	*60	...	...	...
Korea, Republic of					
Ores & concentrates	60 842	67 338	121 078	140 653	96 026
Unwrought	117 448	89 082	105 843	84 001	151 348
Unwrought alloys	25 980	16 389	30 132	64 139	25 952
Scrap	3 661	1 467	1 047	3 194	4 779
Malaysia					
Unwrought (a)	38 572	35 797	45 678	56 900	...
Scrap	2 076	1 580	2 238	800	...
Pakistan (e)					
Unwrought (a)	4 955	8 195	8 631	...	...
Philippines					
Unwrought (a)	7 327	8 922	9 494	2 256	...
Scrap	78	292	95	250	...
Singapore					
Unwrought (a)	39 867	39 670	25 434	16 616	44 063
Scrap	4 538	4 794	4 778	7 865	3 041
Taiwan					
Unwrought	90 985	86 494	90 493	110 511	...
Unwrought alloys	8 003	8 268	6 578	3 393	...
Scrap	505	—	—	—	...
Thailand					
Unwrought	24 524	32 724	28 901	30 464	...
Unwrought alloys	6 050	9 081	16 087	13 320	...
Scrap	13 191	5 296	551	680	...
Australia (e)					
Ores & concentrates	30 106	33 080	...	...	...
New Zealand (e)					
Unwrought (a)	1 448	2 128	1 640	1 734	...

Note(s):

(1) In this table the term 'unwrought' lead corresponds to item 685.1 of the Standard International Trade Classification (Revision 3) and comprises base bullion, pigs, unwrought bars, etc.

- (a) Including alloys
- (b) Pb content
- (c) Years ended 31 March following that stated
- (d) Years ended 20 March following that stated
- (e) Years ended 30 June of that stated
- (f) BGS estimates, based on known exports from certain countries
- (g) Including Pb content of zinc concentrates
- (h) Exports from Mexico

Production of Lithium Minerals

tonnes

Country	1992	1993	1994	1995	1996
Portugal Lepidolite	*15 000	13 289	11 352	8 740	10 750
Russia	*45 000	*40 000	*40 000	*40 000	*40 000
Namibia	1 162	739	1 362	2 611	*2 400
Zimbabwe	12 837	18 064	25 279	33 498	30 929
Canada	*18 500	*18 900	*20 000	*21 000	*22 000
USA (a) (b)	*3 500	*3 500	*3 500	*3 500	*4 000
Argentina	620	*300	*400	...	...
Brazil					
Amblygonite	15	18	12	29	...
Petalite	238	180	70	137	...
Spodumene	3 439	5 293	7 315	7 005	...
Chile (c)	10 823	10 369	10 439	12 943	*14 000
China (c)	*7 220	*8 250	*9 050	*12 800	*15 000
Australia					
Spodumene	39 980	33 353	61 708	80 135	131 932
World total (Li content)	*5 800	*5 700	*6 300	*6 600	*7 800

(a) Li content

(b) Mostly spodumene

(c) Carbonate

Exports of Lithium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Oxides	226	160	188	202	178
Carbonate	716	520	361	536	615
Germany					
Oxides	509	334	384	554	802
Carbonate	2 113	993	1 464	2 278	2 978
Netherlands					
Oxides	73	200	240	351	...
Carbonate	120	729	705	572	...
Spain					
Lithium minerals	11 985	58 745	32 024	—	...
Carbonate	...	1 568	4 755	18	...
Russia					
Oxides	946	331	(a) *800	(a) *1 000	...
Carbonate	1 906	1 452	(a) *1 800	(a) *400	...
Namibia					
Lithium minerals	1 048	465	1 269	599	...
Zimbabwe					
Lithium minerals	15 207	15 832	6 458	17 867	...
USA					
Oxides	2 913	3 059	3 599	4 105	4 432
Carbonate	8 206	6 274	5 279	6 567	7 883
Chile					
Carbonate	10 276	10 590	10 755	13 089	13 694
China					
Oxides	1 598	1 682	1 474	3 251	1 131
Carbonate	1 609	1 680	2 193	3 613	3 102
Australia					
Lithium minerals (b)	44 412	38 144	...	...	...

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 30 June of that stated

Imports of Lithium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Oxides	2 661	1 289	852	645	758
Carbonate	2 006	1 605	1 410	1 328	1 958
Belgium-Luxembourg					
Oxides	125	230	199	332	...
Carbonate	354	423	519	554	...
Finland					
Carbonate	26	21	41	41	...
France					
Oxides	371	276	376	830	...
Carbonate	866	857	978	1 069	...
Germany					
Oxides	1 974	1 878	2 334	3 931	4 051
Carbonate	6 280	5 459	6 342	5 120	5 891
Italy					
Oxides	213	205	185	...	...
Carbonate	1 070	1 206	1 062	...	...
Netherlands					
Oxides	194	298	255	430	...
Carbonate	868	1 226	923	1 314	...
Spain					
Lithium minerals	659	44	13	—	...
Oxides	189	65	146	183	...
Carbonate	352	270	491	568	...
Sweden					
Carbonate	61	114	98	...	...
South Africa					
Oxides	162	2 227	6 363	6 875	...
Canada					
Carbonate	1 046	1 193	1 201	1 050	1 419
USA					
Carbonate	4 052	4 289	4 499	5 969	4 587
Venezuela					
Carbonate	1 363	678	640	...	...
India (b)					
Oxides	440	530	438	678	...
Carbonate	108	63	122	202	...
Japan					
Oxides	988	997	1 133	1 183	1 538
Carbonate	4 137	3 858	4 466	4 598	5 584
Korea, Republic of					
Oxides	298	138	331	276	376
Carbonate	674	798	805	1 044	1 232
Taiwan					
Carbonate	157	98	106	119	...
Australia (a)					
Oxides	141	117	...	...	...
Carbonate	114	97	...	...	...

(a) Years ended 30 June of that stated

(b) Years ended 31 March following that stated

Production of Magnesite

tonnes

Country	1992	1993	1994	1995	1996
Austria	995 347	648 864	681 335	783 479	710 620
Greece	471 220	479 999	575 472	565 720	210 000
Spain	418 184	594 460	495 221	635 000	*640 000
Bosnia & Herzegovina	*2 000	*2 000	*2 000	*2 000	*2 000
Czechoslovakia	1 267 000	—	—	—	—
Poland	12 900	13 000	16 400	21 523	19 257
Russia	*1 100 000	*800 000	*700 000	*700 000	*600 000
Slovakia	—	*1 200 000	*1 200 000	*1 200 000	*1 000 000
Turkey	1 124 475	629 000	1 365 527	1 928 064	2 273 418
Yugoslavia, Federal Republic of	185 000	55 000	67 635	61 137	75 306
South Africa	60 085	67 403	71 726	84 639	71 382
Zimbabwe	8 973	6 276	1 588	5 597	...
Canada (b)	*170 000	164 922	*165 000	*165 000	*165 000
Brazil (c)	284 357	245 080	293 678	334 000	302 700
Colombia	18 840	9 816	10 747	*10 000	*10 000
China	*1 510 000	1 229 200	943 200	605 900	1 041 400
India	602 506	408 971	336 735	334 710	*335 000
Iran (a)	36 165	49 424	46 782	78 654	...
Korea, Dem. P.R. of	*1 600 000	*1 600 000	*1 600 000	*1 600 000	*1 600 000
Pakistan	6 484	4 157	4 464	16 891	3 202
Philippines	*700	*700	*700	*700	*700
Australia	270 053	263 907	288 501	262 932	310 000
World total	10 100 000	8 500 000	8 900 000	9 400 000	9 500 000

Note(s):

(1) In addition to the countries listed, Bulgaria, Egypt, Kenya, New Caledonia and USA are believed to produce magnesite

- (a) Years ended 20 March following that stated
 (b) Officially described as magnesitic dolomite and brucite
 (c) Including beneficiated and directly shipped material

Exports of Magnesite and Magnesite

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Magnesite	3 765	120	119	311	270
Magnesia	36 250	70 465	42 923	63 083	64 727
Austria					
Magnesite	82	98	287	*300	...
Magnesia	125 193	99 519	101 319	105 596	94 754
Belgium-Luxembourg					
Magnesite	4 543	2 100	585	472	486
Magnesia	1 508	41 570	40 361	40 026	41 797
France					
Magnesite	270	6 035	51	152	...
Magnesia	21 007	9 929	16 991	14 964	...
Germany					
Magnesite	3 888	1 261	2 172	2 049	3 391
Magnesia	66 375	53 080	58 996	73 859	69 347
Greece					
Magnesite	6 838	1 261	18 718	19 241	...
Magnesia	187 892	150 503	177 422	186 731	...
Irish Republic	(a) *68 700	59 907	26 011	722	584
Italy					
Magnesite	3 550	6 465	3 442	3 757	...
Magnesia	106 940	68 680	58 661	87 003	...
Netherlands					
Magnesite	8 302	1 660	744	4 779	10 980
Magnesia	63 392	27 871	51 801	79 542	80 215
Spain					
Magnesite	10 540	235	2 705	36 600	...
Magnesia	69 448	79 165	110 793	133 644	...
Sweden					
Magnesite	167	94	103	752	12
Magnesia	351	71	154	3 438	320
Czechoslovakia					
Magnesite (a)	*70 400	—	—	—	—
Czech Republic (a)	—	*6 000	*3 200	*2 000	...
Norway					
Magnesite	1 279	8	3	575	3
Magnesia	2 568	3 099	3 377	3 701	3 501
Slovakia					
Magnesite	—	...	500	700	...
Magnesia	—	*80 000	157 800	170 000	...
Turkey					
Magnesite	62 118	31 213	53 460	75 748	37 206
Magnesia	106 660	113 996	138 838	144 083	124 944
Yugoslavia, Federal Republic of					
Magnesia	6 384	...	...	...	...
South Africa	...	(a) *1 000	(a) *300	140	339
Zimbabwe	6 682	3 723	605	7 816	...
Canada					
Magnesia	63 279	59 708	56 316	61 586	54 230
Mexico					
Magnesia	64 729	58 681	53 655	49 683	...
USA					
Magnesite	5 997	7 409	9 259	31 901	33 192
Magnesia	88 546	89 337	78 831	96 769	111 038
Brazil					
Magnesia	118 638	76 683	93 041	141 515	93 224
China	2 035 530	2 160 570	2 058 343	2 309 940	1 930 771
Hong Kong (c)	10 740	9 331	10 212	15 444	13 076
India (b)					
Magnesite	—	501	460	201	...
Magnesia	1 817	2 488	2 342	665	...
Israel					
Magnesia	32 972	33 643	26 594	*11 000	...

Exports of Magnesite and Magnesita

tonnes

Country	1992	1993	1994	1995	1996
Japan					
Magnesite	401	469	397	358	393
Magnesia	77 512	75 349	60 069	64 366	59 725
Korea, Dem. P.R. of (a)	*142 300	*126 900	*90 300	*106 000	...
Singapore	2 381	2 903	2 516	873	655
of which: Re-exports	342	785	271	219	130
Australia (d)					
Magnesite	402	480	...	666	155
Magnesia	17 101	78 431	74 608	94 911	73 540

Note(s):

(1) The term 'magnesita', as used here, includes dead-burned, sintered and caustic-burned (caustic calcined) material

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 31 March following that stated

(c) Re-exports

(d) Years ended 30 June of that stated

Imports of Magnesite and Magnesite

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Magnesite	27 579	25 425	38 364	21 849	19 116
Magnesia	148 380	117 895	146 001	155 566	155 674
Austria					
Magnesite	62	261	686	*700	...
Magnesia	174 186	149 103	174 538	*195 400	...
Belgium-Luxembourg					
Magnesite	15 323	804	6 368	1 557	1 111
Magnesia	178 175	108 866	84 886	68 293	74 701
Denmark					
Magnesite	4 727	5 213	5 807	4 101	1 074
Magnesia	8 051	15 206	11 022	7 842	4 809
Finland					
Magnesite	3 156	4 144	4 255	71	...
Magnesia	8 724	3 575	4 966	3 973	...
France					
Magnesite	1 728	633	3 121	2 671	...
Magnesia	192 790	145 343	193 556	217 764	...
Germany					
Magnesite	13 201	6 721	10 434	16 838	26 105
Magnesia	570 510	469 428	519 967	568 632	523 866
Greece					
Magnesite	39 690	15 252	32 473	18 529	...
Magnesia	523	951	1 284	273	...
Irish Republic					
Magnesite	13 447	117	226	240	337
Magnesia	17 025	25 623	37 335	44 762	47 152
Italy					
Magnesite	18 457	31 113	23 128	28 933	...
Magnesia	81 751	101 189	105 643	121 808	...
Netherlands					
Magnesite	6 822	2 573	2 732	2 890	5 136
Magnesia	103 605	121 489	61 452	67 811	129 955
Portugal					
Magnesite	1 752	1 001	1 500	1 800	1 590
Magnesia	2 567	3 598	3 000	3 500	2 850
Spain					
Magnesite	302	739	960	1 974	...
Magnesia	82 975	120 386	203 489	96 302	...
Sweden					
Magnesite	13 738	17 483	18 907	394	145
Magnesia	15 673	20 170	20 242	36 013	32 622
Bulgaria (b)	*2 100	*3 200	...	*6 800	...
Croatia	593	940	...	802	688
Hungary					
Magnesia	2 685	2 254	546	314	338
Macedonia					
Magnesia (b)	...	*300	*7 300	*1 600	...
Norway					
Magnesite	1 541	1 541	678	1 700	243
Magnesia	10 727	4 123	6 710	3 815	4 833
Poland					
Magnesite	58 723	62 389	78 810	47 446	...
Magnesia	3 971	15 743	10 865	15 826	...
Romania	14 035	32 041	20 069	29 264	37 842
Russia	90 350	35 493	(b) *48 300	...	...
Magnesite	90 350	35 493	...	...	...
Slovakia (b)	—	*13 300	*2 200	*800	...
Switzerland					
Magnesite	518	382	682	346	619
Magnesia	4 837	4 954	4 922	4 762	3 606
Turkey					
Magnesia	2 337	7 794	11 965	21 984	15 654
Ukraine (b)	*280 300	*331 600	*52 900	*38 900	...
Yugoslavia, Federal Republic of					
Magnesite	10 835	*5 000	*3 000	*3 000	...
Magnesia	2 180	*2 000	*1 000	*1 000	...

Imports of Magnesite and Magnesia

tonnes

Country	1992	1993	1994	1995	1996
Egypt	29 678	14 785	45 800	29 700	...
South Africa					
Magnesite	7 939	6 456	2 546	6 800	...
Magnesia	63 320	128 130	130 819	125 853	...
Tunisia					
Magnesia	1 088	700	439	400	...
Canada					
Magnesite	66 111	67 689	80 202	158 313	220 375
Magnesia	67 780	86 315	95 180	102 553	130 375
Mexico					
Magnesite	4 555	2 229	1 547	712	...
Magnesia	27 635	32 875	30 917	33 600	...
USA					
Magnesite	3 182	332	326	13 605	9 185
Magnesia	296 987	424 209	474 976	543 971	397 203
Argentina					
Magnesia	11 742	19 075	27 606	25 141	...
Brazil					
Magnesia	4 534	3 433	16 550	...	...
Chile					
Magnesia	9 817	10 624	12 979	11 481	15 235
Colombia	7 055	3 469	10 701	6 675	...
Peru					
Magnesia	2 259	1 871	4 522	4 633	...
Venezuela					
Magnesite	23 301	26 714	28 445	26 617	...
Magnesia	29 487	30 059	30 524	30 064	...
Hong Kong	15 559	14 946	21 747	9 807	7 092
India (c)					
Magnesite	2 133	2 290	6 199	2 876	...
Magnesia	85 532	72 503	189 786	115 097	...
Indonesia					
Magnesite	10 016	3 002	3 642	312	...
Magnesia	13 171	30 380	33 354	52 491	...
Israel (b)	*2 200	*2 200	*1 400	*1 900	...
Japan					
Magnesite	6 525	8 544	12 400	14 469	6 129
Magnesia	385 528	466 224	532 354	593 617	506 740
Korea, Republic of					
Magnesite	1 974	491	312	1 900	466
Magnesia	99 662	137 353	147 354	174 478	182 780
Malaysia					
Magnesite	12 238	26 949	12 279	12 300	...
Pakistan (a)					
Magnesite	1 432	30	74	...	...
Magnesia	30 617	788	612	...	...
Philippines					
Magnesite	3 182	10 721	5 733	10 721	...
Magnesia	8 390	5 808	8 400	4 288	...
Singapore	16 595	30 405	14 442	13 068	12 006
Taiwan					
Magnesite	4 266	154	363	681	...
Magnesia	77 225	99 164	96 048	158 116	...
Thailand					
Magnesite	29 513	23 297	21 763	32 140	...
Magnesia	4 763	5 639	5 843	6 601	...
Australia (a)					
Magnesite	13 593	9 973	5 185	2 105	1 150
Magnesia	13 746	7 395	3 942	3 876	8 502

Imports of Magnesite and Magnesia

tonnes

Country	1992	1993	1994	1995	1996
New Zealand (a)					
Magnesite	1 026	443	1 049	1 265	...
Magnesia	15 973	23 117	26 244	28 168	...

Note(s):

(1) The term 'magnesia', as used here, includes dead-burned, sintered and caustic-burned (caustic calcined) material

(a) Years ended 30 June of that stated

(b) BGS estimates, based on known exports from certain countries

(c) Years ended 31 March following that stated

Production of Manganese Ore

tonnes

Country		1992	1993	1994	1995	1996
Austria (a)		30 752	26 890	31 288	42 463	26 000
Greece	(50%)	2 133	2 082	1 960	2 130	...
Italy	(30%)	8 198	8 176	7 472	6 448	5 829
Bosnia & Herzegovina	(35%)	*10 000	*2 000	*2 000	*2 000	*2 000
Bulgaria	(30%)	25 500	15 500	*11 500	19 000	44 300
Georgia	(30%)	293 000	36 800	29 300	...	97 000
Hungary	(30%)	18 000	59 000	67 230	56 360	65 016
Romania	(26%)	100 000	125 000	137 000	130 000	...
Turkey	(40%)	18 400	37 491	34 500	37 000	—
Ukraine	(30%)	5 819 000	4 300 000	3 300 000	3 200 000	...
Gabon	(50%)	1 556 000	1 290 000	1 435 000	1 930 000	1 983 000
Ghana	(40%)	279 019	309 122	269 697	186 901	266 440
Morocco	(50%)	49 120	42 585	31 452	31 263	29 466
Namibia		—	—	30 000	100 000	92 300
South Africa						
Metallurgical	(40%)	2 374 613	2 439 501	2 825 082	3 150 688	3 254 240
Chemical	(55%)	89 022	67 188	50 216	47 881	(e) ...
Mexico	(38%)	362 500	305 300	240 200	371 500	456 300
Brazil	(40%) (b)	*2 000 000	2 056 659	2 440 991	2 613 477	*2 400 000
Chile	(33%)	49 857	62 989	62 870	70 449	62 450
China	(30%)	5 592 300	7 301 000	5 787 000	8 010 700	7 663 300
India	(35%) (c)	1 810 000	1 655 000	1 632 000	1 764 000	1 735 000
Indonesia	(50%)	*13 000	*14 000	*14 000	*19 000	*19 000
Iran	(30%) (d)	38 475	75 987	96 115	99 332	95 000
Kazakhstan	(25%)	*100 000	*150 000	107 000	49 200	...
Philippines	(48%)	3 224	—	—	...	...
Thailand	(35%)	7 827	6 455	6 452	3 478	3 300
Australia	(48%)	1 285 000	2 092 000	1 986 000	2 176 000	2 109 000
World total		21 900 000	22 500 000	20 600 000	24 100 000	23 800 000

Note(s):

- (1) Estimated average manganese content is given in parentheses for each country, relating where possible to the later years
 - (2) In addition to the countries listed, Colombia, Cuba and Vietnam are believed to produce manganese ore
- (a) Mn content of domestic iron ore
(b) Including beneficiated and direct shipping ore
(c) Including ore grading 54% to less than 35% Mn
(d) Years ended 20 March following that stated
(e) Included with metallurgical grade ore

Manganese

Exports of Manganese

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	*2 900	*2 400	*2 300	*2 500	*2 400
Belgium-Luxembourg					
Ore	14 208	7 924	8 304	14 298	20 196
Metal	1 749	2 021	2 372	2 075	2 217
France					
Ore (a)	143 667	96 428	138 497	133 661	...
Metal	4 819	8 060	1 773	1 159	...
Germany					
Ore (a)	17 565	36 531	12 587	202	430
Metal	3 037	3 520	5 666	8 488	6 798
Netherlands					
Ore	47 942	37 710	28 901	14 455	19 065
Metal	2 681	8 139	7 842	8 906	5 543
Sweden					
Metal	58	59	304	237	...
Bulgaria					
Ore	23 700	18 300	...	...	...
Norway					
Ore	—	5 795	—	—	—
Metal	79	68	653	949	116
Turkey					
Ore	8 500	—	3 004	32	12
Ukraine					
Ore (e)	*34 900	...	*122 700	*40 000	...
Metal (e)	—	*2 200	*3 400	*6 800	...
Gabon					
Ore	1 551 100	1 665 000	1 690 000	1 852 000	1 977 000
Ghana					
Ore	285 055	309 122	245 256	193 096	266 440
Morocco					
Ore	39 821	35 129	30 767	27 830	...
Namibia					
Ore	—	—	—	83 913	92 647
South Africa					
Ore	1 394 606	1 243 817	1 290 870	1 545 205	1 674 626
Metal (e)	...	...	*18 700	*34 900	...
Mexico					
Ore	32 168	66 490	31 580	144 361	...
USA					
Ore	13 287	15 202	13 862	17 808	32 324
Metal	5 244	4 066	5 024	5 805	5 843
Brazil					
Ore	476 859	750 785	906 503	1 245 054	987 877
China					
Ore	4 987	5 373	3 801	3 292	4 191
Metal	29 390	34 517	54 461	57 293	49 934
Hong Kong					
Metal (c)	2 772	2 422	967	339	279
India (d)					
Ore (b)	210 052	286 450	276 598	236 529	...
Indonesia					
Ore (a)	5 120	—	0	—	...
Singapore					
Ore	8 150	8 742	13 100	13 863	6 422
of which: Re-exports	723	1 126	2 084	3 856	4 972

Exports of Manganese

Country	1992	1993	1994	1995	1996
Australia (f) Ore	*902 000	*1 720 000	*1 604 000	*1 577 000	*1 683 000

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

- (a) Including manganiferous iron ore
- (b) Including ferruginous manganese ore
- (c) Re-exports
- (d) Years ended 31 March following that stated
- (e) BGS estimates, based on known imports into certain countries
- (f) Years ended 30 June of that stated

Imports of Manganese

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ore (b)	395 613	49 073	8 037	91 991	40 306
Metal	4 704	4 346	5 730	6 365	7 373
Austria					
Metal	192	239	841	1 395	1 706
Belgium-Luxembourg					
Ore	149 821	106 689	138 836	94 326	164 657
Metal	2 968	3 982	3 065	3 896	4 014
Denmark					
Ore	237	107	168	132	218
Metal	260	38	107	61	55
Finland					
Ore	28 599	25 626	19 603	15 873	...
France					
Ore (b)	902 486	816 364	946 617	1 274 390	...
Metal	4 433	4 518	6 764	6 712	...
Germany					
Ore (b)	285 849	101 070	10 926	11 355	12 717
Metal	13 649	13 215	16 764	24 898	18 666
Greece					
Ore	23 931	80	11 085	23 720	...
Metal	2 166	914	2 224	378	...
Irish Republic					
Ore (b)	33 605	35 381	31 206	25 443	39 259
Italy					
Ore (b)	85 086	165 897	202 210	327 145	...
Metal	2 798	2 729	3 202	3 941	...
Netherlands					
Ore	50 123	25 638	17 729	29 708	25 792
Metal	2 793	3 688	9 115	10 693	9 232
Portugal					
Ore (c)	2 844	3 225	647	500	345
Spain					
Ore	74 349	221 544	347 650	318 091	...
Metal	1 645	1 058	1 848	1 932	...
Sweden					
Ore	8 867	8 544	1 267	4 459	172
Metal	2 234	2 285	2 883	2 305	2 299
Bulgaria					
Ore	1 900	3 700	...	...	...
Croatia					
Ore	44 575	29 766	3 900	...	21
Metal	52	264	...	65	72
Czechoslovakia					
Ore	200 000	—	—	—	—
Czech Republic					
Ore	—	13 000	13 000	47 000	19 000
Macedonia					
Ore	...	(b) 43 808	...	...	...
Norway					
Ore	619 431	652 774	674 952	734 973	676 573
Metal	1 438	1 242	1 363	1 949	1 540
Poland					
Ore	158 367	201 909	267 556	166 359	...
Romania					
Ore	81 988	5 759	126 370	189 671	197 862
Slovakia					
Ore	—	103 856	...	...	...
Switzerland					
Metal	613	391	466	539	633
Turkey					
Ore	460	721	558	137	77
Cameroon					
Ore	*2 000	*1 000	*900	*900	...
Egypt					
Ore	12 245	13 000	817	1 000	...

Imports of Manganese

tonnes

Country	1992	1993	1994	1995	1996
Kenya					
Ore (b)	1 000	1 000	...	...	...
South Africa					
Ore	6 813	6 523	6 780	5 900	...
Zimbabwe					
Ore	550	438	20	1	...
Canada					
Ore (a)	7 611	7 609	6 285	9 603	6 736
Metal	3 326	4 140	5 889	4 932	4 853
Mexico					
Ore	75 400	45 409	47 555	76 727	...
USA					
Ore	241 538	228 308	330 527	394 048	461 525
Metal	13 964	15 192	20 339	11 048	11 750
Argentina					
Ore	61 083	38 543	67 352	77 225	...
Brazil					
Metal	1 847	2 269	2 864	3 008	...
Colombia					
Ore	13 531	17 242	10 161	1 683	...
Venezuela					
Ore	39 789	64 076	87 719	112 520	...
China					
Ore	635 114	568 029	962 215	1 289 870	1 585 287
Metal	261	212	63	337	278
Hong Kong					
Ore	1 493	1 178	460	430	34
Metal	3 505	2 708	1 004	514	399
India (e)					
Ore	2 676	2 241	3 607	3 689	...
Metal	731	1 500	2 119	1 380	...
Indonesia					
Ore (b)	3 642	5 009	14 756	31 752	...
Israel					
Ore (d)	*2 000	*2 500	*1 400	*1 300	...
Japan					
Ore (b)	1 054 360	1 350 768	1 199 398	1 272 977	1 261 623
Metal	19 948	24 512	28 012	33 827	36 846
Korea, Dem. P.R. of					
Ore (d)	*31 500	*30 500	*700	*400	...
Korea, Republic of					
Ore	397 923	406 125	457 636	500 999	392 179
Metal	1 039	1 830	1 929	3 243	2 650
Malaysia					
Ore	5 135	1 209	861	900	...
Philippines					
Ore (b)	4 474	4 335	5 029	4 617	...
Saudi Arabia					
Ore	22 309	4 526	24 139	...	...
Singapore					
Ore	16 411	26 620	53 823	50 676	37 861
Taiwan					
Ore	26 718	62 469	52 734	72 570	...
Metal	409	496	591	548	...
Australia (f)					
Ore	21	37	...	...	...
Metal	1 465	1 812	...	...	...

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(c) Including ferruginous manganese ore
(d) BGS estimates, based on known exports from certain countries

(a) Mn content

(e) Years ended 31 March following that stated

(b) Including manganiferous iron ore

(f) Years ended 30 June of that stated

Mercury

Production of Mercury

kilograms

Country	1992	1993	1994	1995	1996
Finland	74 596	100 824	83 065	90 245	88 120
Spain	36 363	660 882	392 265	1 504 821	1 053 000
Czechoslovakia	60 000	—	—	—	—
Russia	*70 000	*60 000	*50 000	*50 000	*50 000
Slovakia	—	*50 000	*50 000	*50 000	*20 000
Slovenia	12 000	0	6 000	5 000	5 000
Turkey	5 000	—	—	—	—
Ukraine	*100 000	*40 000	*50 000	*40 000	*30 000
Algeria	476 000	459 195	448 569	295 182	347 100
Mexico	21 000	12 000	11 000	*15 000	*15 000
USA	64 000	*29 000	*15 000	*15 000	*15 000
Chile (a) (b)	59 000	127 000	70 000	9 000	5 000
China	600 000	554 000	467 000	779 000	508 000
Kyrgyzstan	*350 000	*350 000	379 000	280 000	660 000
Tajikistan	*100 000	*80 000	*55 000	*50 000	*45 000
World total	2 000 000	2 500 000	2 100 000	3 200 000	2 800 000

Note(s):

(1) Several countries are believed to have unrecorded production of mercury from copper electrowinning processes

(a) From copper solvent extraction and electrowinning processes

(b) Exports

Exports of Mercury

Country	1992	1993	1994	1995	1996
United Kingdom	79 967	199 166	246 069	224 168	109 772
Austria	2 400	500	1 400	800	1 000
Belgium-Luxembourg	199 600	3 400	9 400	13 000	34 000
Denmark	3 000	2 500	200	4 700	100
Finland	89 000	228 000	171 000	141 000	...
France	87 000	38 000	19 800	11 000	...
Germany	97 200	66 700	133 500	116 300	99 500
Irish Republic	149 192	8 400	200	—	—
Italy	82 600	150 000	29 400	29 000	...
Netherlands	44 000	96 000	69 000	256 000	250 000
Spain	898 000	1 170 000	531 000	677 000	...
Sweden	59 000	2 000	26 000	1 000	1 000
Norway	29 000	5 000	2 000	...	...
Poland	17 000	26 000	...	8 000	...
Russia (a)	*7 900	*25 800	*163 900	*926 000	...
Slovenia	3 000	1 000	...	...	...
Switzerland	3 131	4 767	15 096	18 783	3 507
Ukraine (a)	...	...	*41 400	*23 000	...
Canada	64 481	35 614	5 162	107 394	137 065
USA	994 441	887 744	354 702	178 905	64 097
Chile	58 902	126 953	70 077	9 075	4 761
China	52 487	53 423	47 690	32 889	16 579
Hong Kong (b)	476 724	309 048	1 012 158	1 577 054	389 353
Japan	2 646	6 482	18 576	1 638	44 606
Kyrgyzstan (a)	—	*2 200	*105 900	*182 800	...
Singapore	19 079	39 041	3 471	2 467	1 147
of which: Re-exports	19 079	39 041	3 210	2 467	1 147
Taiwan	51 035	21 555	36 858	18 231	...

(a) BGS estimates, based on known imports into certain countries

(b) Re-exports

Imports of Mercury

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom	67 252	14 995	5 140	4 950	4 059
Austria	5 300	800	2 400	3 000	1 100
Belgium-Luxembourg	94 000	50 300	74 600	37 000	52 000
Denmark	24 000	3 800	5 100	1 900	1 100
France	133 000	183 000	53 400	96 000	...
Germany	174 200	96 500	73 400	133 500	90 000
Greece	3 000	2 000	3 000	3 000	...
Irish Republic	25 800	30 590	30 800	5 300	1 600
Italy	48 700	11 100	6 400	52 000	...
Netherlands	37 000	191 000	381 000	465 000	1 041 000
Portugal	5 000	1 400	...	...	—
Spain	220 000	356 000	249 000	11 000	...
Sweden	56 000	5 000	5 000	5 000	26 000
Hungary	23 000	17 000	7 000	4 000	5 000
Norway	...	21 000	3 000	7 000	3 000
Poland	19 000	5 000	...	12 000	...
Romania	216 000	153 000	121 000	147 000	98 000
Slovenia	3 000	2 000	2 026	...	...
Switzerland	7 413	11 952	8 366	19 810	13 185
Turkey	5 000	3 631	22 105	15 764	31 638
Yugoslavia, Federal Republic of	5 000	...	...	...	...
Morocco	6 000	...	...	...	...
South Africa	...	37 406	53 342	63 573	...
Tunisia	1 000	...	339	...	...
Canada	18 835	8 751	5 625	6 179	5 429
Mexico	84 865	46 731	37 430	9 852	...
USA	91 705	39 943	128 678	377 053	339 814
Argentina	37 000	...	116 000	52 000	...
Brazil	181 000	158 000	76 000	55 000	...
Chile	392	5 646	14 430	8 778	9 788
Colombia	39 046	12 000	44 000	52 000	...
Ecuador	1 000	7 000	14 000	8 000	...
Peru	22 000	28 000	73 000	31 000	...
Uruguay	400	—	3 500	3 200	...
Venezuela	3 929	20 872	1 707	9 000	...
Bangladesh (c)	10 000	8 000	...	...	...
China	555 630	344 178	909 156	799 940	29 061
Hong Kong	651 045	472 246	1 385 149	1 976 586	434 299
India (b)	338 947	305 039	292 295	428 473	...
Indonesia	192 972	218 699	8 056	12 811	...
Israel (a)	*2 000	*1 000	...	*3 000	...
Japan	25 791	12 169	6 257	13 847	8 639
Korea, Dem. P.R. of (a)	...	*2 000	...	...	...
Korea, Republic of	18 008	33 414	34 368	26 000	39 996
Malaysia	11 160	10 340	8 140	...	...
Pakistan (c)	112 132	36 463	34 206	...	...
Philippines	95 425	67 681	157 354	203 503	...
Singapore	23 921	49 710	104 546	45 426	62 458
Sri Lanka	2 384	173 269	5 037	183	...
Taiwan	18 901	3 789	15 625	6 002	...
Thailand	11 449	87 497	62 565	13 145	...
Australia (c)	80 759	59 183	...	...	...

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 31 March following that stated

(c) Years ended 30 June of that stated

Production of Mica

tonnes

Country	1992	1993	1994	1995	1996
France (e)	*15 000	*12 000	*10 000	*10 000	*10 000
Spain (e)	2 081	1 840	1 797	2 910	...
Norway (b)	*4 300	*4 300	*4 400	*5 000	*3 600
Russia	*35 000	*30 000	*25 000	*25 000	*20 000
Yugoslavia, Federal Republic of	281	68	—	—	16 596
Madagascar	798	880	356	431	*450
Morocco	*1 500	*1 500	*1 500	*1 500	*1 500
South Africa	2 079	1 991	1 959	2 137	1 554
Zimbabwe	495	510	213	1 040	*1 000
Canada	*20 000	*22 000	*22 000	*22 000	*22 000
Mexico	5 866	6 437	5 753	5 028	4 273
USA (d) (e)	85 338	87 931	109 000	108 000	96 600
Argentina	1 008	1 946	1 824	5 041	*4 700
Brazil	6 800	*7 000	*6 700	5 200	...
China (c)	*27 000	*25 500	*33 000	*44 200	*42 200
India	4 264	3 269	2 774	2 488	2 750
Iran (f)	*4 000	1 224	1 360	3 894	...
Korea, Republic of (a)	7 732	*7 500	37 470	43 709	35 923
Malaysia (g)	4 754	4 659	4 993	5 848	5 501
Sri Lanka	200	200	200	6 350	2 400
Taiwan	11 038	9 751	5 220	9 792	*9 000
World total	240 000	231 000	276 000	310 000	292 000

Note(s):

(1) In addition to the countries listed, Australia, Namibia, Pakistan and Romania are believed to produce mica

- (a) Includes sericite
- (b) Crude only
- (c) Conservative BGS estimates, based on exports
- (d) Sold or used by producers
- (e) Including mica recovered from mica schists and/or kaolin beneficiation
- (f) Years ended 20 March following that stated
- (g) Sericite

Exports of Mica

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Unmanufactured	9	167	40	5	10
Ground	6 624	8 389	6 507	5 560	5 001
Waste	109	44	126	88	209
Austria	1 060	1 326	3 807	2 919	2 500
Belgium-Luxembourg	416	185	3 249	87	...
Finland	4 303	3 971	5 135	4 381	...
France					
Unmanufactured	815	29	82	62	...
Ground	8 464	8 739	9 084	10 001	...
Germany					
Unmanufactured	3	63	32	27	8
Ground	2 529	1 801	1 895	2 152	1 847
Italy					
Unmanufactured	282	27	48	1 395	...
Ground	329	178	143	...	...
Netherlands					
Unmanufactured	722	790	548	1 019	807
Ground	513	959	1 658	613	...
Spain	1 658	1 481	1 316	1 141	...
Sweden	59	76	730	443	112
Norway	2 170	2 165	2 213	2 486	1 795
Turkey	5 602	138	129	83	95
Madagascar	1 137	*900	*350	*430	*450
Morocco	1 900	...	...	...	...
South Africa	874	852	918	869	514
Zimbabwe	...	1 835	531	979	...
Canada	15 503	15 745	19 081	16 804	17 046
USA					
Unmanufactured	899	628	924	1 170	2 160
Ground	4 040	4 715	6 058	6 689	6 368
Brazil	2 304	3 236	4 162	1 683	...
China	27 026	25 405	32 753	44 196	42 222
Hong Kong (a)	1 058	768	569	1 070	583
India (b)					
Block	211	245	324	233	...
Splittings	1 449	1 318	1 005	1 000	...
Condenser films	0	17	21	65	...
Ground	21 613	27 393	25 317	27 387	...
Waste	4 062	4 430	2 816	4 686	...
Japan	793	730	785	829	910
Malaysia	3 936	5 008	6 120	5 924	...
Singapore	440	505	466	1 472	1 400
of which: Re-exports	346	388	448	1 439	1 372
Sri Lanka	1 993	1 698	1 468	1 760	...
Taiwan	238	159	132	261	...

Note(s):

(1) This table shows unmanufactured mica and includes sheet, block, splittings, ground and waste, unless these are separately specified. Mica powder is included under the term 'ground'

(a) Re-exports

(b) Years ended 31 March following that stated

Imports of Mica

Country	1992	1993	1994	1995	1996
United Kingdom					
Unmanufactured	51	129	117	200	179
Ground	3 209	4 308	3 918	5 905	6 469
Waste	10 466	12 844	11 175	10 716	9 532
Austria	342	242	293	356	282
Belgium-Luxembourg					
Ground	1 753	2 004	2 302	1 374	...
Denmark	244	95	152	137	251
Finland	629	1 022	769	703	...
France					
Unmanufactured	3 686	3 300	2 566	2 906	...
Ground	1 739	1 602	2 620	1 756	...
Germany					
Unmanufactured	1 876	2 278	13 606	1 289	904
Ground	18 431	12 550	3 413	22 387	23 447
Greece	665	374	172	226	...
Irish Republic	1 068	212	335	397	6 808
Italy					
Unmanufactured	354	159	97	(a) 11 117	...
Ground	1 534	1 434	2 051	...	...
Netherlands					
Unmanufactured	341	640	238	107	(a) 4 284
Ground	2 141	1 870	1 854	1 836	...
Portugal	97	79	...	...	129
Spain	1 716	1 863	2 214	2 421	...
Sweden	772	548	1 022	910	723
Norway					
Unmanufactured	125	173	2 425	949	175
Waste	1 726	1 420	22	1 299	2 378
Poland	719	1 266	655	665	...
Switzerland	394	275	364	447	286
Turkey	11	81	86	341	408
South Africa	736	1 513	...	—	...
Canada	1 603	2 196	3 095	3 750	4 188
Jamaica	204	178	208	233	224
Mexico	649	1 046	1 696	1 200	...
USA					
Block	273	184	78	129	102
Splittings	1 601	2 625	962	3 064	4 998
Ground	11 568	13 147	16 318	14 175	13 563
Other unmanufactured	3 966	4 911	6 442	7 616	4 979
Colombia	201	152	261	207	...
Venezuela	312	286	238	365	...
Hong Kong	1 238	517	633	109	2 164
Indonesia	887	613	882	730	...
Iran	(d) 311	(d) 40	(d) 470	(c) *300	...
Japan					
Unmanufactured	34 757	29 925	35 341	40 004	44 979
Waste	1 556	4 646	1 546	3 903	4 819
Korea, Republic of	2 875	3 036	4 216	6 535	6 166
Malaysia	291	536	435	...	...
Philippines	153	335	253	168	...
Saudi Arabia	1 039	1 051	1 035	...	...
Singapore	59 993	1 491	1 542	1 402	1 574
Taiwan					
Unmanufactured	139	238	211	214	...
Ground	1 069	946	1 128	1 457	...
Thailand	687	641	819	894	...

Imports of Mica

tonnes

Country	1992	1993	1994	1995	1996
Australia (b)	1 072	1 377	...	...	...
New Zealand (b)	£92 000	£199 000	£252 000	£181 000	...

Note(s):

- (1) This table shows unmanufactured mica and includes sheet, block, splittings, ground and waste, unless these are separately specified. Mica powder is included under the term 'ground'
- (a) Including ground
 (b) Years ended 30 June of that stated
 (c) BGS estimates, based on known exports from certain countries
 (d) Years ended 20 March following that stated

Mine Production of Molybdenum

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Armenia	*1 000	*500	*500	*500	*500
Bulgaria	*200	*200	*200	400	400
Russia	6 000	5 700	4 300	4 400	4 800
Turkey	*100	*100	—	—	—
Niger	*10	*10	—	—	—
Canada	9 405	9 699	9 188	9 522	8 169
Mexico	1 458	1 705	2 613	3 881	4 211
USA	49 725	36 803	46 800	60 900	54 900
Chile	14 840	14 899	16 028	17 889	17 415
Peru	3 245	2 866	2 778	3 636	3 968
China	19 600	18 300	21 400	33 000	31 600
Iran (a)	*800	*1 200	2 636	1 430	*1 100
Kazakhstan	*700	*600	218	156	*150
Mongolia	*1 500	1 600	3 956	3 531	...
World total	109 000	94 000	111 000	139 000	131 000

Note(s):

(1) In addition to the countries listed, Australia, Georgia, India, Democratic P.R. of Korea, Romania, Tajikistan and Uzbekistan are believed to produce molybdenum

(a) Years ended 20 March following that stated

Exports of Molybdenum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	1 056	603	1 230	2 234	1 960
Metal	206	1 354	666	528	239
Oxides	91	83	200	14	21
Austria					
Metal	1 412	1 492	1 398	1 571	1 651
Belgium-Luxembourg					
Ores & concentrates	14 614	11 352	12 552	12 777	11 548
Metal	74	89	257	376	196
Oxides	55	96	123	48	...
France					
Ores & concentrates	479	79	0	19	49
Metal	174	203	162	244	...
Germany					
Ores & concentrates	1 079	151	149	108	365
Metal	862	933	1 346	1 497	1 042
Oxides	792	1 003	1 016	918	885
Italy					
Metal	164	2	29	194	...
Netherlands					
Ores & concentrates	8 234	6 035	7 919	7 460	4 347
Metal	217	285	294	407	299
Oxides	1 335	822	1 037	339	...
Sweden					
Ores & concentrates	2 676	2 046	38	...	...
Russia					
Ores & concentrates	849	3 964	(b) *2 400	(b) *2 000	...
Metal (b)	*100	*300	*1 100	*3 800	...
Canada					
Ores & concentrates (a)	7 042	9 917	8 858	8 998	8 512
Mexico					
Ores & concentrates	2 287	1 839	5 003	9 634	...
USA					
Ores & concentrates (a)	33 347	28 178	33 786	45 231	45 166
Metal	1 069	813	1 108	1 569	1 412
Oxides	556	1 042	2 342	2 949	1 830
Chile					
Ores & concentrates	28 337	30 584	29 922	33 347	29 302
Oxides	1 214	1 210	1 620	2 666	3 164
Peru					
Ores & concentrates	6 161	5 859	5 001	7 369	7 194
China					
Ores & concentrates	1 472	2 369	1 030	639	1 441
Metal	204	772	967	790	453
Oxides	6 858	15 723	14 099	15 167	13 933
Japan					
Metal	85	102	122	102	264
Mongolia					
Ores & concentrates	...	2 900	5 530	3 336	2 523

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) Mo content

(b) BGS estimates, based on known imports into certain countries

Imports of Molybdenum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	12 144	11 961	27 984	15 509	16 857
Metal	468	375	563	985	842
Oxides	98	41	264	309	222
Austria					
Ores & concentrates	6 131	6 873	8 308	6 246	3 665
Metal	172	170	234	265	182
Oxides	2 091	1 975	2 512	2 886	2 681
Belgium-Luxembourg					
Ores & concentrates	29 147	30 925	30 380	28 674	19 412
Metal	207	181	170	490	141
Oxides	111	306	622	283	...
Finland					
Ores & concentrates	1 884	1 949	2 562	3 135	...
France					
Ores & concentrates	8 470	2 710	2 948	3 523	...
Metal	463	582	558	570	...
Oxides	359	575	512	378	...
Germany					
Ores & concentrates	10 197	7 416	10 413	13 573	9 167
Metal	1 121	1 406	1 473	1 270	1 492
Oxides	297	650	702	855	1 197
Italy					
Ores & concentrates	2 408	2 730	3 117	3 069	...
Metal	198	394	167	142	...
Oxides	41	77	27	...	...
Netherlands					
Ores & concentrates	14 620	12 205	15 442	742 420	17 247
Metal	223	175	95	136	337
Oxides	128	172	271	622	...
Spain					
Ores & concentrates	1 191	1 777	4 994	2 429	...
Metal	50	45	128	66	...
Sweden					
Ores & concentrates	6 178	2 945	4 106	6 178	5 504
Metal	352	229	774	459	121
Oxides	1 929	932	855	...	...
Czechoslovakia					
Ores & concentrates (a)	*100	—	—	—	—
Switzerland					
Metal	47	25	27	29	52
South Africa					
Metal	...	1	4	11	...
Oxides	479	562	814	250	...
Canada					
Metal	41	65	68	105	94
Oxides	250	200	503	1 176	884
USA					
Ores & concentrates	1 457	6 107	3 829	8 965	8 105
Metal	316	661	1 070	826	1 011
Oxides	990	635	664	900	1 161
Brazil					
Ores & concentrates	2 816	4 670	5 750	13 283	...
Metal	79	83	183	300	...
Oxides	377	208	109	...	...
Chile					
Ores & concentrates	7	10 545	15 063	17 593	12 253
India (b)					
Ores & concentrates	656	858	3 022	2 845	...
Metal	84	82	89	97	...
Japan					
Ores & concentrates	21 090	23 629	24 120	26 230	26 061
Metal	437	371	707	1 072	699
Oxides	794	1 160	1 041	1 732	1 342

Imports of Molybdenum

tonnes

Country	1992	1993	1994	1995	1996
Korea, Republic of					
Ores & concentrates	1 249	2 038	2 498	3 211	4 658
Metal	97	94	163	147	131
Malaysia					
Metal	435	165	606	...	...
Philippines					
Metal	38	9	15	3	...
Singapore					
Metal	1	13	12	13	57
Taiwan					
Metal	152	121	165	179	...
Australia (c)					
Metal	59	117	...	...	...
Oxides	91	178	...	...	...

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 31 March following that stated

(c) Years ended 30 June of that stated

Mine Production of Nickel

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Finland	10 311	8 862	7 652	3 439	3 900
Greece	17 000	12 900	18 800	19 900	21 600
Macedonia	5 500	5 300	4 600	*2 000	*3 000
Norway	3 398	3 462	3 328	3 389	*3 500
Russia	214 100	244 000	212 000	251 000	*230 000
Ukraine	5 900	3 500	2 500	*2 200	1 700
Yugoslavia, Federal Republic of	—	—	—	300	2 400
Botswana	18 873	21 621	19 041	18 088	22 095
South Africa (a)	27 621	29 868	30 135	29 803	33 362
Zimbabwe	10 349	11 097	13 516	10 864	11 600
Canada	186 384	188 080	149 886	181 820	193 059
Cuba	31 036	29 157	25 956	41 105	51 600
Dominican Republic	43 874	36 487	50 146	51 500	50 567
USA	6 671	2 464	—	1 560	—
Brazil	29 372	32 154	32 663	25 469	*25 000
Colombia	23 400	23 474	28 144	29 806	27 154
China	32 800	30 800	36 900	41 800	43 800
Indonesia	78 094	65 757	81 175	86 600	87 900
Philippines	14 005	10 000	9 845	14 700	17 000
Australia	57 800	65 400	75 900	103 000	113 000
New Caledonia (b)	100 500	98 100	96 037	120 700	124 800
World total	920 000	920 000	900 000	1 040 000	1 070 000

(a) Refined nickel and nickel in matte

(b) Ni and Co content

Nickel

Smelter/Refinery Production of Nickel

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	28 000	27 000	28 400	35 100	42 000
Austria	3 900	3 200	2 100	2 000	2 000
Finland	14 984	14 577	16 902	16 070	15 163
France	8 100	10 400	10 000	10 300	11 200
Greece	15 424	10 931	16 182	17 155	17 800
Czechoslovakia	1 500	—	—	—	—
Macedonia	2 700	4 500	4 100	2 000	*3 000
Norway	55 686	56 817	67 955	53 237	61 582
Russia	249 500	187 500	183 400	204 100	190 000
Ukraine	*5 900	*3 500	*2 500	*2 500	*900
Yugoslavia, Federal Republic of	1 857	443	663	962	2 556
South Africa	27 621	29 868	30 135	29 800	33 100
Zimbabwe	17 200	18 300	18 700	15 500	17 100
Canada	135 233	123 139	105 144	121 523	126 593
Cuba	16 920	16 185	14 099	21 648	27 024
Dominican Republic	27 535	23 863	30 757	30 897	30 388
USA	8 962	4 878	—	8 290	15 100
Brazil	14 668	15 705	16 610	15 676	16 432
Colombia	20 195	20 182	20 834	24 565	22 933
China	30 800	30 500	31 300	38 900	44 600
Indonesia	5 506	5 266	5 745	10 735	11 000
Japan	107 000	102 900	112 600	135 000	130 500
Australia	50 584	50 400	66 600	77 500	73 000
New Caledonia	31 895	36 850	39 488	42 200	42 173
World total	880 000	800 000	820 000	920 000	940 000

Note(s):

(1) Data relate to refined nickel plus the nickel content of ferro-nickel and nickel oxide

Exports of Nickel

Country	1992	1993	1994	1995	1996
United Kingdom					
Mattes, sinters etc.	1 850	1 413	1 472	392	219
Unwrought	14 464	16 664	15 298	20 277	22 763
Unwrought alloys	3 045	2 978	2 565	2 901	3 287
Scrap	7 258	5 888	5 816	4 960	4 620
Austria					
Unwrought (a)	267	306	176	314	339
Scrap	273	266	448	381	166
Belgium-Luxembourg					
Mattes, sinters etc.	3 560	2 978	—	4	56
Unwrought	751	2 416	6 213	8 794	11 047
Unwrought alloys	448	734	1 162	1 682	1 530
Scrap	1 062	325	745	850	789
Denmark					
Scrap	143	247	233	219	338
Finland					
Ores & concentrates	1 686	2 888	36 017	49 186	...
Unwrought	10 520	12 849	12 532	12 847	21 475
Scrap	977	1 846	656	272	15
Oxides	459	557	599	827	...
France					
Unwrought	4 096	6 104	5 029	6 145	6 736
Unwrought alloys	77	55	76	119	734
Scrap	5 078	3 367	3 107	3 663	4 521
Germany					
Unwrought	9 133	11 196	8 098	13 330	7 184
Unwrought alloys	3 041	2 785	3 040	3 299	4 315
Scrap	15 528	11 770	12 996	9 823	7 203
Oxides	187	164	188	114	122
Irish Republic					
Scrap	322	277	398	428	515
Italy					
Unwrought (a)	701	397	1 097	438	*4 700
Scrap	453	368	469	644	...
Netherlands					
Mattes, sinters etc. (b)	*7 900	*1 600	*1 600	*2 900	...
Unwrought (a)	619	3 145	2 835	3 903	5 287
Scrap	8 376	9 087	9 154	7 376	3 051
Oxides (b)	*300	*350	*300	*500	...
Spain					
Scrap	1 706	697	1 181	589	...
Sweden					
Unwrought (a)	598	81	722	157	245
Scrap	2 479	984	962	503	248
Estonia					
Unwrought (a) (b)	*1 300	*2 000	*1 600	*400	...
Scrap (b)	*8 000	*4 500	*2 000	*300	...
Latvia					
Unwrought (a) (b)	*400	*2 300	*1 100	*400	...
Scrap (b)	*1 000	*1 400	*500	*400	...
Lithuania					
Unwrought (a)	(b) (g) *1 300	(b) (g) *1 200	(b) (g) *1 300	64	...
Scrap	(b) (g) *6 200	(b) (g) *3 700	(b) *400	690	...
Norway					
Ore	29 320	30 870	45 854	33 253	34 880
Unwrought (a)	53 874	59 860	67 187	52 644	61 030
Scrap	285	289	360	479	294
Russia					
Mattes, sinters etc.	9 134	12 627	16 494	—	392
Unwrought (a)	118 294	87 175	103 679	133 484	170 040
Scrap (b)	*11 500	*20 300	*11 000	*10 400	...
Oxides	1 279	1 009	(b) *500	(b) *3 900	...
Switzerland					
Unwrought (a)	93	127	249	227	128
Scrap	241	387	240	176	356
Ukraine					
Unwrought (b)	*50	*100	*9 100	...	...

Exports of Nickel

tonnes

Country	1992	1993	1994	1995	1996
Botswana					
Mattes, sinters etc.	45 500	51 600	44 000	39 000	...
South Africa					
Unwrought (a)	17 170	16 442	14 300	16 704	19 806
Scrap (b)	*1 200	*1 800	*1 500	*700	...
Zimbabwe					
Unwrought (a)	11 767	10 910	17 100	23 068	...
Canada					
Mattes, sinters etc.	75 610	59 440	71 778	78 706	96 242
Unwrought (a)	104 875	99 595	82 466	86 234	97 155
Scrap	4 178	2 428	2 257	3 294	2 519
Cuba					
Oxide, sinter & sulphide (e)	*33 000	*29 000	*29 200	*38 200	*55 500
USA					
Mattes, sinters etc.	4 561	4 944	4 762	4 568	5 479
Unwrought (a)	4 814	3 734	5 657	6 144	6 677
Scrap	17 213	16 191	24 302	28 447	21 790
Brazil					
Unwrought	3 162	4 556	4 716	4 378	5 582
China					
Unwrought (a)	179	3	5 544	1 480	309
Hong Kong					
Unwrought (a) (f)	22 079	9 591	6 557	5 576	5 605
Scrap	365	3 135	234	215	179
Indonesia					
Ore	1 493 474	1 545 562	1 497 861	1 733 154	...
Mattes, sinters etc.	35 774	46 609	61 766	54 824	...
Israel					
Scrap (b)	*300	*300	*400	*500	...
Japan					
Mattes, sinters etc.	1 218	3 291	9 916	6 498	5 182
Unwrought (a)	78	89	134	475	897
Scrap	441	320	562	749	2 557
Oxides	360	347	613	2 097	1 025
Korea, Republic of					
Unwrought (a)	282	122	1 876	3 205	21
Scrap	2 084	2 587	1 340	1 573	1 054
Philippines					
Ores & concentrates	478 255	580 248	646 461	890 818	...
Singapore					
Unwrought (f)	907	1 647	2 898	3 770	4 327
Scrap	138	124	317	510	1 069
Taiwan					
Unwrought (a)	82	137	84	311	...
Scrap	1 470	1 642	1 924	1 665	...
Australia (d)	75 000	96 000	112 000	123 000	127 000
New Caledonia					
Ores	3 483 201	3 353 879	*3 500 000	4 588 952	4 773 883
Mattes, sinters etc.	10 700	14 700	...	14 529	15 354
New Zealand					
Scrap (c)	796	515	260	143	6

Note(s):

- (1) In this table the term 'unwrought' nickel corresponds to item 683.1 of the Standard International Trade Classification (Revision 3) which excludes all electro-plating anodes
(2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) Including alloys

- (b) BGS estimates, based on known imports into certain countries
(c) Years ended 30 June of that stated
(d) Unwrought metal and Ni content of ores, concentrates and intermediate products
(e) Ni-Co content (mainly nickel)
(f) Re-exports
(g) Is likely to include re-exports

Imports of Nickel

Country	1992	1993	1994	1995	1996
United Kingdom					
Mattes, sinters etc.	43 027	43 275	40 827	53 820	63 833
Unwrought	15 696	12 408	17 188	20 931	17 462
Unwrought alloys	1 177	2 767	4 805	3 796	1 253
Scrap	6 562	6 264	7 873	8 406	14 548
Oxides	112	110	104	375	133
Austria					
Mattes, sinters etc.	255	149	169	167	126
Unwrought (a)	2 402	2 519	2 822	3 337	3 419
Scrap	1 509	1 617	1 005	859	754
Oxides	1 017	270	496	19	18
Belgium-Luxembourg					
Ore	3	123	1 004	23	14
Mattes, sinters etc.	6 021	2 144	395	522	179
Unwrought	8 038	13 831	20 409	31 960	29 119
Unwrought alloys	96	104	43	120	121
Scrap	1 261	1 967	528	1 499	2 524
Oxides	119	153	148	193	...
Denmark					
Unwrought (a)	157	139	157	142	113
Finland					
Ore	32 733	85 360	111 084	134 831	200 610
Mattes, sinters etc.	4 755	360	2 937	4 088	9 843
Unwrought (a)	3 834	5 932	5 590	9 530	6 347
Scrap	9 586	11 916	8 514	7 017	814
Oxides	0	2 566	1 727	2 996	...
France					
Mattes, sinters etc.	10 530	16 363	16 440	17 255	16 365
Unwrought	20 464	19 994	27 257	30 558	26 474
Unwrought alloys	4 387	4 521	5 189	6 011	4 851
Scrap	3 760	1 331	2 247	3 083	1 509
Oxides	215	220	310	310	...
Germany					
Mattes, sinters etc.	16 555	17 233	9 057	5 096	9 317
Unwrought (a)	40 969	52 398	58 026	78 254	61 423
Scrap	30 484	30 348	16 982	12 911	10 474
Oxides	454	509	460	411	343
Irish Republic					
Unwrought (a)	672	700	991	1 137	1 141
Italy					
Mattes, sinters etc.	9 347	7 479	6 070	5 545	...
Unwrought	13 638	23 440	31 642	40 553	30 370
Unwrought alloys	897	1 336	1 273	920	...
Scrap	693	119	209	121	...
Oxides	106	137	139	...	...
Netherlands					
Mattes, sinters etc. (e)	*15 900	*15 000	*11 800	...	...
Unwrought	1 463	4 233	3 999	7 841	5 924
Unwrought alloys	271	422	132	215	92
Scrap	6 468	2 855	4 882	4 472	4 642
Oxides	172	756	1 213	1 211	...
Portugal					
Unwrought (a)	291	211	258	200	281
Spain					
Mattes, sinters etc.	382	400	222	91	...
Unwrought (a)	6 444	9 335	19 035	20 785	...
Sweden					
Ore	100	43	—	...	...
Mattes, sinters etc.	3 081	3 400	3 017	2 355	5 442
Unwrought	10 096	14 862	18 736	16 720	14 387
Unwrought alloys	377	382	733	1 441	749
Scrap	17 237	13 029	14 407	17 096	24 811
Czechoslovakia					
Unwrought (a)	2 700	—	—	—	—
Czech Republic					
Ores & concentrates	—	5 749	7 222	34	30

Imports of Nickel

tonnes

Country	1992	1993	1994	1995	1996
Norway					
Mattes, sinters etc.	115 227	141 931	146 274	109 317	141 942
Unwrought (a)	55	75	275	151	204
Russia					
Ore	3 563	—	(e) *36 000	(e) *49 000	...
Scrap	...	...	6	5 066	3 292
Slovakia					
Unwrought (a)	—	1 139	...	...	...
Slovenia					
Unwrought (a)	990	956	1 053	1 600	...
Switzerland					
Unwrought (a)	1 264	883	702	801	1 055
Scrap	464	141	190	223	403
Turkey					
Unwrought (a)	727	1 076	836	1 432	1 453
South Africa					
Unwrought (a)	386	155	201	16 355	...
Canada					
Ores & concentrates (b)	281	589	896	2 474	2 118
Mattes, sinters etc.	33 863	33 974	34 476	49 437	56 741
Unwrought (a)	3 790	10 778	11 063	7 308	6 448
Scrap	18 238	18 308	20 950	21 919	16 051
Mexico					
Unwrought (a)	1 672	1 482	1 520	1 098	...
USA					
Slurry, mattes, sinters etc.	4 798	5 088	3 469	725	693
Unwrought (a)	92 258	99 443	99 081	121 439	116 028
Scrap	7 608	6 038	5 752	9 478	8 545
Oxides	750	922	1 052	1 164	1 318
Argentina					
Unwrought	580	319	361	316	...
Brazil					
Unwrought (a)	4 107	4 751	5 809	7 639	7 997
Colombia					
Unwrought	253	395	439	545	...
Venezuela					
Unwrought (a)	277	144	164	131	...
China					
Unwrought (a)	6 478	2 573	98	570	916
Hong Kong					
Unwrought (a)	32 137	12 334	9 648	11 427	10 937
India (c)					
Mattes, sinters etc.	1 753	1 827	2 075	1 982	...
Unwrought (a)	5 533	7 146	10 251	11 855	...
Scrap	145	168	139	259	...
Japan					
Ore	3 450 616	3 043 604	2 901 560	3 821 354	4 061 516
Mattes, sinters etc.	67 707	66 018	84 498	90 993	83 632
Unwrought	27 489	33 322	47 560	61 698	46 501
Unwrought alloys	276	224	266	889	500
Scrap	4 551	4 984	6 305	6 444	7 711
Oxides	212	236	126	172	80
Korea, Dem. P.R. of					
Unwrought (a) (e)	*100	*200	*100	*50	...
Korea, Republic of					
Mattes, sinters etc.	14 730	16 495	20 305	18 760	14 818
Unwrought (a)	5 526	8 671	12 750	19 104	14 667
Scrap	2 310	2 025	1 690	2 065	2 786
Malaysia					
Unwrought (a)	212	202	357	400	...
Pakistan					
Unwrought (a) (d)	977	368	369	...	...

Imports of Nickel

Country	1992	1993	1994	1995	1996
Singapore					
Mattes, sinters etc.	714	517	841	845	344
Unwrought	1 328	1 751	3 182	5 389	4 351
Scrap	306	366	302	544	389
Taiwan					
Mattes, sinters etc.	8 316	3 168	2 763	7 352	...
Unwrought (a)	9 581	15 372	20 737	39 747	*32 300
Scrap	220	124	135	448	...
Oxides	493	541	693	1 938	...
Thailand					
Unwrought (a)	1 201	956	1 175	1 717	...
Australia (d)					
Unwrought	291	271	(a) *700	(a) *700	...
Unwrought alloys	225	184	...	...	...
Scrap	115	133	...	...	...

Note(s):

- (1) In this table the term 'unwrought' nickel corresponds to item 683.1 of the Standard International Trade Classification (Revision 3) which excludes all electro-plating anodes
 - (2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys
- (a) Including alloys
 (b) Ni content
 (c) Years ended 31 March following that stated
 (d) Years ended 30 June of that stated
 (e) BGS estimates, based on known exports from certain countries

Production of Crude Petroleum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	89 184 000	93 950 000	119 032 000	121 794 000	121 774 000
Austria	1 179 933	1 155 224	1 099 994	1 034 868	1 024 951
Denmark (d)	7 611 388	8 298 537	9 161 162	9 171 481	10 118 000
France	2 868 000	2 752 000	2 769 000	2 503 000	2 100 000
Germany	3 303 634	3 052 642	2 946 288	2 959 580	2 848 341
Greece	697 739	557 258	543 000	458 000	458 000
Italy	4 468 191	4 634 364	4 897 908	5 207 980	5 430 000
Netherlands	2 845 000	2 672 000	3 437 000	2 721 000	2 221 000
Spain	1 071 538	874 651	806 749	652 156	516 000
Albania	985 000	620 000	536 000	521 000	495 000
Azerbaijan	11 158 000	10 262 000	9 339 000	9 161 300	9 100 300
Belarus	2 000 500	2 005 300	2 000 200	1 932 100	1 860 300
Bulgaria	53 000	43 000	36 000	43 000	*43 000
Croatia	1 742 851	1 729 110	1 576 579	1 500 269	1 469 052
Czechoslovakia	143 467	—	—	—	—
Czech Republic	—	107 000	131 000	149 000	155 000
Georgia	201 000	190 000	190 000	158 000	128 000
Hungary	1 825 000	1 709 000	1 631 000	1 669 000	1 477 000
Lithuania	63 800	72 000	82 000	127 000	180 000
Norway	106 977 000	114 184 000	129 321 000	139 814 000	155 500 000
Poland	199 300	235 300	284 300	292 500	278 000
Romania	6 608 000	6 673 000	6 716 000	7 000 000	6 800 000
Russia	398 810 000	354 870 000	317 580 000	307 000 000	300 400 000
Slovakia	—	66 523	67 210	74 247	...
Turkey	4 296 026	4 025 000	4 038 000	3 492 000	3 500 000
Ukraine	4 400 000	4 263 000	3 942 000	4 000 000	4 100 000
Yugoslavia, Federal Republic of	1 165 000	1 148 000	1 078 000	1 066 227	1 030 441
Algeria	52 100 000	52 100 000	51 500 000	56 587 000	57 800 000
Angola	26 356 000	24 980 000	26 142 000	31 408 000	35 100 000
Benin	195 000	194 000	192 000	124 000	82 000
Cameroon	7 709 000	6 978 000	6 343 000	5 050 000	4 700 000
Congo	8 659 600	9 428 200	9 032 000	9 264 000	11 400 000
Congo, Democratic Republic	1 302 000	1 172 000	1 241 000	1 516 000	1 500 000
Egypt (b)	43 821 000	44 967 000	45 186 000	44 000 000	44 119 000
Equatorial Guinea	75 000	234 000	270 000	345 000	2 000 000
Eritrea	—	—	...	632 220	685 234
Gabon	14 982 000	14 898 000	14 982 000	15 876 000	18 500 000
Ivory Coast	63 000	—	...	489 000	1 144 000
Libya	73 968 000	73 266 000	67 874 000	68 620 000	69 400 000
Nigeria	97 437 918	98 276 876	99 972 600	101 671 000	112 200 000
Tunisia	5 195 000	4 655 000	4 378 000	4 215 000	4 200 000
Barbados	65 716	63 471	63 190	62 750	55 000
Canada	85 129 400	88 765 300	92 781 400	95 665 500	*100 000 000
Cuba	882 100	1 131 000	1 209 000	1 285 000	1 350 000
Guatemala	284 473	347 800	367 100	474 700	733 000
Mexico	142 950 000	143 570 000	144 139 000	140 727 000	153 083 000
Trinidad & Tobago	6 994 400	6 380 900	6 750 000	6 732 200	6 658 800
USA	356 936 000	340 809 000	331 601 000	326 524 000	321 795 000
Argentina	29 415 684	31 519 250	35 363 766	38 171 053	41 571 730
Bolivia	985 000	1 071 000	1 190 390	1 312 945	*1 400 000
Brazil	32 799 027	33 561 670	34 794 122	35 965 658	40 300 000
Chile	786 550	752 660	651 409	552 019	485 900
Colombia	22 593 500	23 345 625	23 392 200	30 138 211	32 268 339
Ecuador	16 344 278	17 497 489	19 262 390	19 689 627	19 594 002
Peru	5 710 510	6 222 761	6 273 505	6 000 172	5 928 066
Suriname	263 844	312 947	365 731	352 000	385 000
Venezuela	125 762 000	130 200 000	137 000 000	150 000 000	160 000 000
Abu Dhabi	97 860 963	*95 000 000	89 054 000	96 227 000	*99 000 000
Bahrain	6 200 000	7 000 000	7 117 000	7 300 000	9 200 000
Brunei	8 142 000	7 797 000	8 095 000	7 738 000	7 400 000
China (a)	142 100 000	145 237 400	146 080 000	150 049 400	157 333 900
Dubai	19 373 000	17 158 000	16 217 000	15 536 000	*15 000 000
India	31 284 000	27 864 000	30 864 000	34 620 000	32 268 000
Indonesia	76 456 000	75 356 000	75 378 000	75 892 000	77 200 000

Production of Crude Petroleum

tonnes

Country	1992	1993	1994	1995	1996
Iran	173 172 000	183 677 000	180 891 000	180 911 000	184 500 000
Iraq	20 871 000	23 548 000	27 752 000	31 833 000	29 700 000
Japan	852 000	774 000	789 000	736 000	738 000
Kazakhstan	21 933 600	19 572 200	18 544 100	17 931 900	23 000 000
Kuwait (c)	53 121 000	94 488 000	102 454 000	102 589 000	100 300 000
Kyrgyzstan	141 000	120 000	80 000	90 000	80 000
Malaysia	31 300 000	30 600 000	31 100 000	33 100 000	33 400 000
Myanmar	775 974	734 754	765 000	700 000	600 000
Oman	36 961 266	38 571 000	40 521 000	42 700 000	44 300 000
Pakistan	2 977 000	2 909 000	2 774 000	2 677 000	2 808 000
Philippines	537 000	466 000	246 000	170 000	160 000
Qatar	23 000 000	21 300 000	20 800 000	21 300 000	21 800 000
Ras al Khaimah	40 000	50 000	50 000	40 000	40 000
Saudi Arabia (c)	420 104 000	407 555 000	402 770 000	402 831 000	404 000 000
Sharjah	1 927 000	2 142 000	2 402 000	2 500 000	2 500 000
Syria	27 660 000	29 200 000	29 200 000	31 589 000	32 200 000
Taiwan	66 000	61 000	61 000	59 000	53 000
Tajikistan	96 000	39 000	30 000	26 000	*20 000
Thailand	2 315 000	2 319 000	2 309 000	2 619 000	2 500 000
Turkmenistan	5 227 000	3 920 000	3 870 000	3 910 000	4 350 000
Uzbekistan	2 831 000	4 000 000	5 470 000	8 000 000	9 910 000
Vietnam	5 401 000	6 257 000	7 002 000	8 565 000	9 000 000
Yemen, Republic of	8 433 626	9 900 000	16 400 000	16 700 000	17 500 000
Australia	28 326 395	26 300 345	28 505 191	27 031 036	28 406 671
New Zealand	1 744 500	1 841 000	1 771 700	1 485 200	1 700 000
Papua New Guinea	2 123 000	5 748 000	5 522 000	4 679 000	5 000 000
World total	3 067 000 000	3 068 000 000	3 090 000 000	3 150 000 000	3 237 000 000

Note(s):

(1) The figures shown in this table exclude natural gasoline

- (a) Including oil from shale and coal
- (b) Years ended 30 June of that stated
- (c) Including shares of production from the Neutral Zone
- (d) Sales

Production of Natural Gasmillion m³

Country	1992	1993	1994	1995	1996
United Kingdom	55 945	65 336	69 584	75 483	89 851
Austria	1 441	1 488	1 355	1 482	1 492
Denmark (b)	3 850	4 266	4 622	5 009	6 098
France	3 280	3 520	3 500	3 300	2 900
Germany	18 800	18 700	19 590	20 210	21 890
Greece	100	70	120	35	...
Irish Republic	2 300	2 690	2 710	2 830	2 740
Italy	18 109	19 438	20 341	20 383	20 218
Netherlands	82 020	83 652	78 604	79 328	89 783
Spain	1 233	644	207	385	200
Albania	*100	82	52	28	20
Azerbaijan	7 370	6 340	6 380	6 644	6 305
Belarus	280	280	294	266	249
Croatia	1 820	2 068	1 792	1 966	1 786
Czechoslovakia	370	—	—	—	—
Czech Republic	—	106	154	165	146
Hungary	5 057	5 011	5 564	5 404	5 134
Norway	29 419	28 867	30 631	27 800	37 400
Poland	4 020	4 949	4 635	4 803	4 754
Romania	22 100	21 100	19 590	19 200	17 300
Russia	640 100	617 600	606 800	594 900	598 500
Slovakia	—	264	288	349	266
Turkey	200	210	200	200	200
Ukraine	20 900	19 221	18 316	18 161	18 400
Yugoslavia, Federal Republic of	846	962	824	906	671
Algeria	53 246	53 872	51 157	62 301	62 130
Angola	570	560	560	560	560
Egypt	9 820	11 300	12 000	12 430	13 400
Gabon	100	100	90	100	100
Libya	6 770	6 360	6 220	6 200	6 200
Nigeria	4 720	5 150	4 599	4 885	4 600
South Africa	40	1 860	1 960	...	...
Tunisia	402	366	354	340	340
Canada	141 365	155 033	166 533	176 323	*180 000
Mexico	26 146	25 440	25 850	26 610	28 020
Trinidad & Tobago	5 943	5 871	6 200	6 100	7 100
USA (e)	505 170	512 400	533 000	526 700	538 600
Argentina	21 797	22 619	23 404	25 941	28 479
Bolivia	3 130	3 100	3 288	3 294	3 200
Brazil	4 000	4 500	4 500	5 000	5 300
Chile	1 750	1 951	2 185	2 104	*2 100
Colombia	4 270	4 700	4 600	4 400	4 700
Peru	913	960	1 003	1 001	...
Venezuela	21 617	23 329	24 675	29 973	32 000
Abu Dhabi	16 659	14 400	16 740	21 600	25 730
Afghanistan (c)	2 300	2 300	2 300	2 200	*2 300
Bahrain	7 249	7 646	9 996	10 054	10 211
Bangladesh (d)	5 337	5 973	6 338	7 006	6 100
Brunei	8 100	8 280	8 420	9 350	9 370
China	15 788	16 765	17 563	17 947	20 114
Dubai	2 250	1 700	*1 500	...	...
India	15 320	15 100	16 810	17 770	19 720
Indonesia	73 132	75 450	83 250	84 660	92 300
Iran	25 000	27 100	31 800	35 300	39 000
Iraq	2 270	2 550	3 000	3 400	3 500
Japan	2 170	2 170	2 274	2 209	2 230
Kazakhstan	6 005	5 416	4 488	5 916	6 000
Kuwait (a)	2 620	4 470	4 660	4 660	6 000
Malaysia	22 550	24 900	26 130	28 880	36 680
Myanmar	894	1 031	1 301	1 477	*1 600
Oman	2 900	2 800	3 000	3 800	4 000
Pakistan	15 540	17 300	17 760	18 290	19 720
Qatar	12 620	13 500	13 500	13 500	13 700
Saudi Arabia (a)	34 000	35 900	37 700	38 040	41 340

Production of Natural Gasmillion m³

Country	1992	1993	1994	1995	1996
Sharjah	5 820	6 890	...	...	...
Syria	3 600	3 700	4 160	4 410	4 400
Taiwan	872	826	867	889	874
Tajikistan	*90	*90	*5	100	30
Thailand	8 645	8 790	9 680	10 410	12 130
Turkmenistan	56 060	60 910	35 800	32 300	37 000
Uzbekistan	39 930	41 980	47 200	48 000	48 200
Australia	23 462	24 457	28 147	29 761	29 799
New Zealand	5 340	5 155	4 750	4 462	5 057
Papua New Guinea	60	80	100	100	140
World total	2 148 000	2 184 000	2 214 000	2 250 000	2 352 000

Note(s):

(1) So far as possible the figures in this table exclude flared or reinjected gas

(a) Including one-half of the output of the Neutral Zone

(b) Sales

(c) Years ended 20 March following that stated

(d) Years ended 30 June of that stated

(e) Dry gas

Exports of Crude Petroleum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	54 388 088	59 668 482	77 870 558	81 221 560	76 484 386
Belgium-Luxembourg	4 347	348 829	128 546	68 607	71 493
Denmark	4 428 201	3 161 834	2 897 144	5 130 017	4 616 379
France	115	362	40 191	55 769	...
Germany	173 376	36 914	1 075 571	488 495	1 089 862
Greece	533 213	536 000	269 997	517 877	...
Italy	252 138	576 865	46 011	380 643	...
Netherlands	1 004 076	872 990	1 386 614	1 010 158	693 411
Belarus	(a) *59 200	(a) *25 000	(a) *106 500	200 000	300 000
Croatia	406 066	85 709	46 761	123 038	117 526
Georgia (a)	*76 900	*181 600	*49 600	...	...
Latvia (a) (b)	*404 900	*1 029 200	*2 372 000	*1 357 000	...
Lithuania	(a) (d) *190 000	(a) (d) *106 800	(a) (d) *137 800	7 722	...
Norway	92 568 217	99 581 969	111 335 668	121 860 012	136 799 832
Poland	21 005	39 958	53	331	...
Russia	66 209 000	79 940 000	124 700 000	122 336 000	125 578 000
Slovenia	757 731	1 818 955	94 211	179	...
Ukraine (a)	*628 600	*1 151 400	...	*743 000	...
Algeria	*26 000 000	*30 000 000	31 492 000	...	...
Angola	*24 600 000	*23 700 000	*23 600 000	...	...
Benin	*195 000	*194 000	*192 000	*124 000	*82 000
Cameroon	*5 705 000	*5 113 000	*4 382 000	...	...
Congo	8 295 529	9 001 933	8 621 539	...	...
Congo, Democratic Republic	1 476 000	*1 012 000	*1 077 000	...	...
Egypt	9 952 000	13 006 000	7 867 128	7 242 853	...
Gabon	13 369 000	14 807 000	15 834 000	...	...
Libya	*56 926 000	*53 403 000	*54 116 000	...	...
Nigeria	79 250 000	77 850 000	79 500 000	...	...
Tunisia	3 882 404	3 138 000	3 233 453	3 123 982	...
Canada	42 470 114	47 756 211	51 982 676	60 013 946	60 178 083
Guatemala	215 885	200 727	185 592	126 816	...
Mexico	70 725 000	71 232 243	69 210 685	68 493 006	79 824 000
Netherlands Antilles	1 082 000	854 000	684 000	...	...
Trinidad & Tobago	3 158 817	2 760 088	2 788 688	2 986 937	*3 000 000
USA	261 426	359 978	390 951	89 329	3 427 197
Argentina	2 697 115	4 523 323	10 526 000	14 010 000	17 229 682
Colombia	9 504 567	9 691 614	9 141 459	14 219 000	16 539 400
Ecuador	10 300 000	11 100 000	12 100 000	13 100 000	11 800 000
Peru	42 000	—	—	1 436 600	1 800 000
Venezuela	75 019 000	80 641 000	88 630 000	95 179 000	103 503 000
Brunei	8 794 000	8 489 000	*8 600 000	...	...
China	21 507 171	19 434 492	18 552 436	18 826 988	20 402 546
Indonesia	39 160 164	36 712 313	44 098 164	37 086 773	...
Iran (a)	*105 843 000	*109 682 000	*102 413 000	*103 072 000	...
Iraq	2 973 000	*2 899 000	*2 938 000	...	...
Kazakhstan	4 392 000	883 000	(a) *458 000	11 249 427	...
Kuwait	47 958 000	89 902 000	94 785 000	...	...
Malaysia	22 526 376	21 588 758	19 371 039	19 247 000	...
Oman	34 310 000	36 092 000	34 192 000	35 734 000	...
Pakistan (c)	455 286	409 902	299 283	...	...
Philippines	7 062 000	40 190 000	24 225 000	13 209 000	...
Qatar	17 000 371	17 341 251	16 666 000	...	...
Saudi Arabia	317 156 009	313 661 000	310 706 000	...	...
Singapore	22 199	159	60 215	60 844	63 180
of which: Re-exports	432	83	60 207	60 844	—
Syria	12 444 000	16 904 593	17 012 000	18 370 830	...
Turkmenistan (a)	*153 400	*206 800	*24 800	...	...
United Arab Emirates	94 502 000	90 374 000	93 936 000	...	...
Australia	8 997 300	8 802 100	10 308 100	10 165 800	10 361 000
New Zealand (c)	966 523	859 876	1 103 798	987 552	1 072 040

(a) BGS estimates, based on known imports into certain countries

(b) Re-exports

(c) Years ended 30 June of that stated

(d) Is likely to include re-exports

Imports of Crude Petroleum

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	47 144 259	48 992 898	42 717 365	40 358 431	40 995 971
Austria	7 549 799	7 453 315	7 789 848	...	...
Belgium-Luxembourg	29 156 487	27 064 460	27 232 711	25 797 016	27 320 000
Denmark	4 957 042	5 006 197	4 986 799	5 236 573	5 174 129
Finland	8 869 699	8 217 932	9 836 607	8 394 854	...
France	71 115 870	75 202 249	75 359 934	75 789 890	...
Germany	98 062 296	99 997 742	107 578 872	100 548 800	103 541 602
Greece	13 214 823	12 687 000	13 375 000	11 356 000	...
Irish Republic	1 952 631	1 861 189	2 305 205	...	2 076 881
Italy	75 446 644	75 566 362	75 625 622	73 062 000	...
Netherlands	56 831 463	55 322 944	56 574 805	59 992 028	61 489 000
Portugal	11 174 000	11 321 572	13 436 000	...	11 131 892
Spain	56 697 055	50 565 416	53 567 000	52 299 461	...
Sweden	17 112 959	18 119 914	17 954 000	16 599 000	21 342 000
Azerbaijan	1 355 000	1 188 000	...	...	...
Bulgaria	3 562 639	8 900 000	5 600 000	5 800 000	...
Croatia	1 790 215	1 890 190	...	4 929 170	4 098 141
Czechoslovakia	7 049 000	—	—	—	—
Czech Republic	—	5 610 000	6 493 000	7 052 000	7 671 000
Hungary	4 165 051	6 207 092	5 821 385	5 872 242	5 512 325
Lithuania	3 381 400	5 160 700	906 700	3 014 500	...
Macedonia	...	933 301	112 000	(c) *102 000	...
Norway	1 120 755	1 332 434	1 054 754	1 406 524	1 332 752
Poland	11 925 742	13 674 325	1 272 043	13 036 603	13 350 838
Romania	6 571 662	7 580 718	8 122 294	8 657 249	7 155 735
Slovakia	—	4 231 000	4 825 407	...	...
Slovenia	1 646 153	1 997 591	410 871	515 575	...
Switzerland	4 124 040	4 499 304	4 766 577	4 544 005	5 290 311
Turkey	19 185 000	21 970 000	21 181 000	23 605 000	...
Congo, Democratic Republic	105 000	*110 000	*112 000	...	...
Ghana	1 097 000	*1 015 000	*1 023 000	...	...
Ivory Coast	*3 012 000	*3 042 000	*3 045 000	...	...
Kenya	2 235 260	2 274 240	2 173 160	1 680 330	1 412 950
Liberia	382 000	...	...	...	...
Madagascar	332 791	468 281	235 208	435 754	...
Morocco	6 728 357	6 122 630	6 855 120	6 751 486	...
Senegal	541 482	545 702	...	...	...
Somalia	*60 000	...	...	...	...
South Africa	18 000 000	...	...	8 915 695	...
Sudan	*1 032 000	*1 035 000	*1 037 000	...	...
Tanzania	*577 000	*580 000	*585 000	...	...
Tunisia	247 559	371 948	608 253	917 883	...
Zambia	*545 000	*550 000	*550 000	...	...
Barbados	210 000	123 829	113 420	194 400	...
Canada	26 804 328	30 064 238	33 056 827	36 366 949	39 442 330
Costa Rica	575 386	569 026	553 852	706 133	...
Cuba	4 478 000	4 452 000	4 927 000	...	...
Dominican Republic	1 909 000	1 915 000	1 991 000	...	...
El Salvador	627 801	938 165	658 134	745 266	...
Guatemala	787 551	694 897	788 478	781 135	...
Honduras	239 438	...	...	...	...
Jamaica	1 289 217	887 552	801 244	788 077	649 083
Martinique	868 875	684 297	772 200	712 768	...
Netherlands Antilles	9 841 000	11 523 000	9 439 000	...	...
Nicaragua	720 910	646 677	720 045	762 808	...
Panama	1 843 997	1 735 158	1 188 791	1 222 756	...
Trinidad & Tobago	1 026 574	2 345 857	1 500 000	1 800 000	2 100 000
USA	312 910 015	346 839 482	368 770 696	368 919 493	394 606 231
Argentina	9 603	147 814	493 402	699 756	774 027
Brazil	26 268 000	22 551 119	23 081 000	22 483 000	...
Chile	6 280 616	6 583 670	6 956 520	7 922 607	8 437 850
Paraguay	242 910	219 913	237 950	228 423	...
Peru	795 140	833 510	965 667	2 463 147	...
Uruguay	1 122 270	168 581	181 957	1 454 800	...

Imports of Crude Petroleum

tonnes

Country	1992	1993	1994	1995	1996
Bahrain	10 352 000	10 850 000	...	...	...
Bangladesh (a)	1 043 072	1 221 288	...	...	...
China	11 357 906	15 671 205	12 345 913	17 089 939	22 616 949
Cyprus	749 029	706 267	875 423	808 725	748 947
India (b)	29 380 002	30 822 000	27 349 052	27 357 268	...
Indonesia	6 830 446	6 957 757	9 473 000	9 290 566	...
Israel	10 579 000	12 092 000	11 210 000	...	...
Japan	221 866 404	226 544 346	240 110 138	260 224 328	219 942 965
Jordan	2 974 858	2 899 533	2 977 092	3 162 859	...
Kazakhstan	11 547 000	8 684 000	1 845 000	...	...
Korea, Dem. P.R. of (c)	*1 129 000	*1 095 000	*833 000	*1 022 000	...
Korea, Republic of	69 489 953	74 153 065	77 692 874	84 282 365	81 333 520
Lebanon	1 613 000	1 708 000	...	...	...
Malaysia	1 138 448	1 672 456	1 540 049	1 276 588	...
Pakistan	4 075 559	4 178 100	4 101 613	4 174 043	...
Philippines	7 062 115	1 544 340 661	1 598 811 414	2 192 715 337	...
Singapore	46 784 287	52 874 372	51 240 009	51 502 955	55 473 463
Sri Lanka	1 176 325	1 614 821	1 806 309	1 735 212	...
Taiwan	22 846 009	24 513 928	24 164 307	29 750 116	...
Thailand	13 286 300	16 283 062	17 241 502	21 273 355	...
Yemen, Republic of	3 549 000	3 350 000	*100 000	...	...
Australia	15 573 500	18 872 000	17 631 500	20 274 200	22 231 800
New Zealand (a)	3 195 895	3 214 826	3 682 547	3 864 183	...

(a) Years ended 30 June of that stated

(b) Years ended 31 March following that stated

(c) BGS estimates, based on known exports from certain countries

Production of Phosphate Rock

tonnes

Country	1992	1993	1994	1995	1996
Finland	570 528	627 570	656 645	680 415	651 463
Russia	13 974 000	10 380 900	8 021 000	9 068 000	8 680 000
Turkey	65 000	38 384	—	—	—
Algeria	1 143 000	718 000	699 000	757 200	1 051 000
Egypt (e)	359 024	267 298	268 020	378 756	210 882
Morocco	19 146 000	18 307 000	20 335 000	20 314 000	20 855 000
Senegal					
Phosphate rock	2 283 500	1 667 000	1 587 400	1 502 600	1 427 400
Aluminium phosphate (a)	92 700	*40 000	23 400	40 100	27 704
South Africa	3 080 300	2 465 800	2 545 200	2 790 000	2 655 200
Tanzania	4 948	2 219	—	6 686	717
Togo	2 083 000	1 794 300	2 149 200	2 569 000	2 730 700
Tunisia	6 335 284	5 476 000	5 565 000	6 302 000	7 100 000
Zimbabwe	142 322	153 471	150 560	154 482	122 631
Mexico	451 659	501 254	546 857	620 259	682 079
Netherlands Antilles (b)	40 112	28 782	22 972	...	...
USA	46 965 000	35 494 000	41 047 000	43 500 000	45 400 000
Brazil (d)	2 859 043	3 462 548	3 937 000	3 896 012	3 823 200
Chile	17 546	14 560	9 975	12 164	*10 000
Colombia	32 041	44 960	48 107	*50 000	*50 000
Peru	*20 000	92 674	86 075	29 682	103 353
Venezuela	20 936	...	57 000	85 510	149 000
China	25 870 000	21 158 700	26 890 000	31 200 800	31 040 200
Christmas Island (b) (c) (e)	196 803	263 946	296 709	*430 000	*600 000
India	487 800	969 400	1 236 600	1 335 100	1 432 300
Indonesia	*8 000	*7 000	*7 000	*8 000	*8 000
Iraq	*600 000	*800 000	*1 000 000	*1 000 000	*1 000 000
Israel	2 372 000	2 662 000	2 779 000	2 642 000	*2 500 000
Jordan	5 230 000	4 215 000	4 216 000	4 983 000	5 231 000
Kazakhstan	6 680 000	4 100 000	2 080 000	2 221 000	*1 500 000
Korea, Dem. P.R. of	*500 000	*500 000	*500 000	*500 000	*500 000
Pakistan	19 828	13 822	15 042	10 460	—
Philippines					
Phosphate rock	4 834	91 779	*20 000	*20 000	*20 000
Guano	326	859	*5 000	*5 000	*5 000
Sri Lanka	24 616	28 795	32 300	29 500	34 000
Syria	1 266 000	931 000	1 203 000	1 551 000	2 189 000
Thailand	7 981	10 764	7 739	9 301	*9 000
Vietnam	290 000	362 500	469 800	470 000	475 000
Australia	2 000	1 700	21 000	4 600	600
Nauru (b) (e)	232 569	397 902	187 768	178 415	190 100
World total	143 000 000	118 000 000	129 000 000	139 000 000	142 000 000

(a) Including lime phosphates

(b) Exports

(c) Including phosphate dust

(d) Including beneficiated and directly shipped material

(e) Years ended 30 June of that stated

Exports of Phosphate Rock

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	1 642	956	5 057	884	2 505
Belgium-Luxembourg	22 200	2 613	18 811	21 332	7 784
Finland	—	3 946	7	81	...
France	1 085	2 650	2 270	3 063	...
Germany	664	1 938	3 336	325	217
Netherlands	186 836	169 574	162 031	115 164	128 266
Poland	9 111	54	21 382	39 288	...
Russia	658 425	1 023 437	2 756 600	3 098 300	...
Ukraine (b)	...	*100	*94 700	...	...
Yugoslavia, Federal Republic of	...	...	*7 000	...	...
Algeria	857 000	450 000	576 000	670 700	992 800
Egypt	179 900	134 400	113 800	48 000	64 800
Morocco	9 132 000	8 398 400	9 526 800	9 420 400	10 141 000
Senegal	1 261 120	1 090 650	539 989	846 468	725 096
South Africa	1 344 400	1 196 900	1 273 000	1 408 300	973 600
Togo	2 085 500	1 567 400	2 233 800	2 652 100	2 685 500
Tunisia	925 522	1 122 000	1 308 100	1 326 700	1 223 600
Netherlands Antilles	40 112	28 782	22 972	...	...
USA	3 977 000	3 575 000	3 310 000	2 990 000	1 570 000
China	455 583	641 486	742 872	948 933	1 368 667
Christmas Island (a) (c)	263 946	296 709	260 200	388 000	*600 000
Israel	1 723 000	*1 900 000	2 383 000	1 963 800	2 007 900
Jordan	4 263 880	3 564 950	3 829 600	3 878 500	4 350 500
Kazakhstan	5 129	1 872	...	3 340	...
Malaysia	2 746	2 544	1 410	...	...
Singapore	1 462	843	166	5 029	23
of which: Re-exports	1 186	826	128	5 029	3
Syria	1 239 512	821 423	1 072 000	1 374 236	1 577 000
Nauru	232 569	397 902	187 768	178 415	190 100

(a) Including phosphate dust

(b) BGS estimates, based on known imports into certain countries

(c) Years ended 30 June of that stated

Imports of Phosphate Rock

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	224 075	42 187	74 791	52 218	27 457
Austria	283 537	240 883	224 906	161 600	207 200
Belgium-Luxembourg	2 068 791	1 555 443	1 609 008	1 475 929	1 628 924
Denmark	*120 000	167 400	66 200	139 400	83 900
Finland	*80 000	*60 000	57 044	91 286	163 100
France	2 231 780	1 455 594	1 559 872	1 652 197	1 520 700
Germany	551 286	425 712	301 796	288 878	257 521
Greece	418 767	260 532	287 806	479 920	*450 000
Irish Republic	11 204	2 941	7 794	7 632	12 191
Italy	530 071	224 524	255 300	271 384	224 800
Netherlands	1 875 209	1 781 633	1 563 220	2 094 664	1 998 529
Portugal	123 192	98 482	148 010	147 412	132 483
Spain	1 739 836	1 340 545	191 008	1 812 391	2 167 600
Sweden	121 390	61 001	103 792	102 265	61 024
Albania	...	...	...	5 800	...
Bulgaria	166 300	245 700	290 600	271 500	442 500
Croatia	292 935	240 482	*220 000	259 310	239 512
Czechoslovakia (a)	10 600	—	—	—	—
Hungary	*10 000	2 698	30 923	45 692	36 394
Norway	591 895	687 926	625 090	605 079	680 521
Poland	1 114 767	953 375	1 425 901	1 706 712	1 792 500
Romania	938 649	989 684	830 765	733 321	683 211
Slovenia	35 633	42 281	17 160	700	...
Turkey	706 107	736 475	615 573	620 663	604 869
Yugoslavia, Federal Republic of	293 920	356 000	...	...	...
Ivory Coast	2 500	1 200	...	1 000	...
South Africa	318 677	319 951	625 010	300 803	537 100
Canada	1 169 026	1 207 346	1 168 324	1 182 871	1 006 913
Cuba	5 000	5 000	5 000	...	...
Mexico	589 869	544 946	1 177 706	1 377 624	1 804 800
USA	1 530 140	532 453	631 200	710 530	575 588
Brazil	304 811	396 887	562 953	531 716	631 787
Chile	21 400	25 339	36 827	53 794	34 319
Colombia	81 430	72 859	56 873	87 548	...
Uruguay	36 750	12 175	36 707	11 000	30 900
Venezuela	69 334	49 775	58 951	67 440	...
Bangladesh (b)	90 100	88 400	162 600	139 900	*37 500
China	128 695	112 300	137 597	135	419
India (c)	2 230 859	1 922 739	2 540 138	2 443 753	*2 396 000
Indonesia	793 044	133 344	489 150	591 129	...
Iran (d)	197 245	195 451	332 605	*367 000	*387 000
Japan	1 453 204	1 395 178	1 194 059	1 332 573	1 178 028
Korea, Dem. P.R. of	—	59 600	40 900	700	5 500
Korea, Republic of	1 671 025	1 646 266	1 681 299	1 658 750	1 630 534
Lebanon	215 000	230 000	267 000	361 000	375 000
Malaysia					
Phosphate rock	433 160	351 032	465 538	538 900	...
Guano	—	5 995	5 760	...	...
Pakistan (b)	251 358	274 375	280 927	*279 000	*244 000
Philippines	608 026	418 611	519 135	742 364	806 700
Saudi Arabia	5 052	4 012	3 435	...	...
Sri Lanka	2 208	0	1 000	2 281	...
Taiwan	380 483	325 253	352 998	373 927	342 100
Australia	845 000	680 000	955 000	1 028 000	828 000
New Zealand (b)	679 842	814 004	891 331	795 631	*791 000

(a) P₂O₅ content

(b) Years ended 30 June of that stated

(c) Years ended 31 March following that stated

(d) Years ended 20 March following that stated

Mine Production of Platinum Group Metals

kilograms (metal content)

Country	1992	1993	1994	1995	1996
Russia					
Platinum	*28 000	*20 000	*15 000	*18 000	*18 000
Palladium	*70 000	*50 000	*40 000	*48 000	*48 000
Other platinum metals	*6 000	*4 000	*3 000	*3 600	*3 600
South Africa (a)	152 891	176 167	183 925	183 097	187 578
Zimbabwe					
Platinum	9	4	7	6	...
Palladium	19	11	17	16	...
Canada					
Platinum	4 800	5 000	5 700	...	...
Palladium	5 800	6 000	6 700	(b) 16 963	(b) 14 983
Other platinum metals	1 307	1 440	1 910	...	...
USA					
Platinum	*1 650	*2 050	*1 960	*1 590	*1 840
Palladium	*5 440	*6 780	*6 440	*5 260	*6 100
Colombia	1 956	1 722	1 084	973	669
Australia					
Platinum	*150	*80	*110	*70	*120
Palladium	*550	*400	*450	*530	*560
World total	279 000	274 000	266 000	278 000	281 000

Note(s):

- (1) Wherever possible, figures relate to quantities of platinum group metals thought to be recovered from ores originating in the country stated
- (2) Figures for metal production are only given for countries where recovery is thought to be based predominantly on domestic materials or on imported materials which have not been recorded as mine production elsewhere in the table
- (3) In addition to the countries listed, Bulgaria, China, Ethiopia, Indonesia, Papua New Guinea and Philippines are believed to produce platinum group metals

(a) Metal production

(b) Platinum group metals; all forms

Exports of Platinum Group Metals

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom					
Platinum	33 655	28 188	21 845	27 258	29 134
Palladium	26 748	28 216	29 629	27 654	25 249
Other platinum metals	6 058	4 679	4 449	5 622	6 988
Waste & scrap	7 062	5 203	2 520	4 478	57 981
Austria					
Platinum & platinum metals	1 248	811	1 100	1 191	1 741
Belgium-Luxembourg					
Platinum	6 032	4 115	5 903	8 047	...
Platinum metals	14 503	23 897	16 182	14 487	...
Waste & scrap	£14 159 000	£14 190 000	£7 539 000	£1 139 000	£1 995 000
Denmark					
Platinum & platinum metals	106	124	183	11	142
Waste & scrap	182	11	10	14	4
France					
Platinum	4 609	4 309	5 677	8 251	...
Platinum metals	5 150	5 881	7 182	7 736	...
Waste & scrap	6 371	3 255	16 700	27 878	...
Germany					
Platinum	15 278	14 874	13 814	18 228	17 347
Palladium	11 287	16 145	16 977	18 249	16 105
Other platinum metals	2 843	2 259	2 887	3 854	3 593
Waste & scrap	88 977	38 117	314 153	132 032	31 588
Italy					
Platinum	1 890	2 141	2 481	...	...
Platinum metals	24 697	1 182	1 142	...	...
Netherlands					
Platinum	3 313	2 446	2 739	2 726	...
Platinum metals	361	631	761	1 069	...
Waste & scrap	2 000	20 000	2 000	4 000	...
Portugal					
Platinum & platinum metals	...	237	...	...	...
Spain					
Platinum & platinum metals	10 760	2 099	1 233	3 282	...
Sweden					
Platinum & platinum metals	£510 000	£555 000	£848 000	£642 000	£644 000
Croatia					
Platinum & platinum metals	£80 000	£241 000	...	£325 000	£638 000
Czechoslovakia					
Waste & scrap (a)	*2 100	—	—	—	—
Czech Republic					
Waste & scrap (a)	—	*900	*4 500	*3 900	*1 000
Estonia					
Waste & scrap (a)	...	*100	*1 100	*4 500	*12 900
Lithuania					
Waste & scrap	...	(a) (f) *700	(a) (f) *6 500	—	...
Norway					
Platinum & platinum metals	4 251	3 909	5 682	7 931	4 823
Poland					
Platinum & platinum metals	80	490	152	61	...
Russia					
Platinum & platinum metals (a)	*63 200	*117 800	*127 100	*80 000	...
Waste & scrap (a)	*100	*6 700	*600	*500	...
Switzerland					
Platinum & platinum metals	62 183	77 121	71 808	60 998	65 630
Waste & scrap	9 684	5 443	6 318	2 649	5 408
Ukraine					
Waste & scrap (a)	...	...	*550	*800	*6 500
South Africa					
Platinum & platinum metals (d)	137 063	153 711	161 694	173 271	186 768
Waste & scrap (a)	*500	*900	*1 300	*5 400	...
Canada					
Ores & concentrates (b)	9 793	10 157	7 325	10 320	8 686
Platinum metals	7 245	7 503	6 604	5 249	5 050

Exports of Platinum Group Metals

kilograms

Country	1992	1993	1994	1995	1996
USA					
Ores & concentrates (b)	488	1 060	202	598	486
Platinum	14 205	18 548	20 665	21 470	20 648
of which: Re-exports	2 325	2 434	5 089	6 518	7 937
Palladium	17 799	27 294	32 217	33 907	33 605
of which: Re-exports	72	1 165	2 542	7 891	6 906
Other platinum metals	1 473	1 845	1 113	1 348	407
of which: Re-exports	208	440	258	523	96
Waste & scrap	27 628	31 982	42 104	8 153	8 640
China					
Platinum & platinum metals	83	407	2 463	3 094	1 775
Hong Kong					
Platinum & platinum metals (c)	1 572	1 808	1 439	1 071	1 554
Israel					
Platinum & platinum metals	£426 000	£308 000	£90 000	...	...
Japan					
Platinum	5 518	3 800	4 539	5 715	6 808
Platinum metals	4 192	4 189	7 399	9 462	28 043
Korea, Republic of					
Platinum & platinum metals	102	88	449	441	4 050
Waste & scrap	197	2 960	—	92	—
Malaysia					
Waste & scrap	16 690	96 000	—	...	...
Singapore					
Platinum & platinum metals (c)	60	169	715	231	1 495
Taiwan					
Platinum & platinum metals	9 125	4 094	6 842	4 633	...
Australia					
Platinum & platinum metals (e)	472	11	...	...	...

Note(s):

(1) In this table the term 'Platinum' and/or 'Platinum metals' includes unwrought, partly worked and alloys

(a) BGS estimates, based on known imports into certain countries

(b) Platinum metals content

(c) Re-exports

(d) Sales

(e) Years ended 30 June of that stated

(f) Is likely to include re-exports

Imports of Platinum Group Metals

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	55 434	43 037	32 324	68 325	...
Platinum	37 335	22 847	19 595	19 136	16 421
Palladium	13 600	14 974	28 344	25 584	44 584
Other platinum metals	4 616	5 966	4 193	4 036	4 807
Waste & scrap	62 771	33 780	52 824	110 072	651 066
Austria					
Platinum & platinum metals	4 129	2 959	3 918	4 725	5 506
Belgium-Luxembourg					
Platinum	1 347	1 252	1 430	2 760	...
Platinum metals	921	1 951	597	5 894	...
Waste & scrap	£2 877 000	£748 000	£686 000	...	£1 003 000
Denmark					
Platinum & platinum metals	622	561	567	658	559
Finland					
Platinum & platinum metals	107	111	328	1 000	...
France					
Platinum	7 494	5 561	9 677	13 992	...
Platinum metals	7 486	6 866	7 671	9 273	...
Waste & scrap	4 305	1 338	4 400	2 178	...
Germany					
Platinum	19 579	13 844	19 185	23 764	22 775
Palladium	31 023	20 915	25 056	27 169	24 790
Other platinum metals	3 614	3 061	3 842	5 576	6 791
Waste & scrap	15 707	11 504	32 439	85 132	1 347 887
Greece					
Platinum & platinum metals	360	2 000	...	...	...
Irish Republic					
Platinum & platinum metals	249	31 148	38 538	113 996	27 729
Italy					
Platinum	7 134	6 628	5 063	...	...
Platinum metals	6 485	37 665	19 808	...	...
Waste & scrap	5 100	4 500	2 600	337	...
Netherlands					
Platinum	1 119	867	497	1 550	...
Platinum metals	11 564	3 863	2 496	1 809	...
Waste & scrap	...	1 000	0	...	574
Portugal					
Platinum & platinum metals	...	200	...	...	...
Spain					
Platinum & platinum metals	2 216	1 754	2 190	2 389	...
Waste & scrap	1 000	5 000	—	—	...
Sweden					
Platinum & platinum metals	3 000	1 000	1 000	...	...
Belarus					
Platinum & platinum metals (d)	...	...	*100	*600	*200
Bulgaria					
Platinum & platinum metals (d)	*50	*100	*50	*50	...
Croatia					
Platinum & platinum metals	£109 000	£190 000	...	£189 000	£291 000
Czechoslovakia					
Platinum & platinum metals (d)	*600	—	—	—	—
Czech Republic					
Platinum & platinum metals (d)	—	*400	*500	*400	*450
Hungary					
Platinum & platinum metals (d)	*500	*150	*50	*100	*50
Norway					
Platinum & platinum metals	1 052	1 756	918	388	622
Poland					
Platinum & platinum metals	88	119	469	182	...
Romania					
Platinum & platinum metals	...	12 613	20 335	30 606	...
Switzerland					
Platinum & platinum metals	35 400	66 353	76 655	55 911	66 569
Waste & scrap	686	8 101	5 575	14 651	2 815
Turkey					
Platinum & platinum metals	5 755	5 034	1 607	5 666	17 257

Imports of Platinum Group Metals

kilograms

Country	1992	1993	1994	1995	1996
Ukraine					
Platinum & platinum metals (d)	...	*100	*500	*650	...
Yugoslavia, Federal Republic of					
Platinum & platinum metals	£58 000	...	...	...	...
South Africa					
Platinum & platinum metals	739	7 154	9 941	85 545	...
Waste & scrap	271 410	324 059	95 732	17 251 839	...
Canada					
Platinum & platinum metals (c)	7 322	6 991	11 271	11 388	12 196
USA					
Platinum	55 008	55 883	54 363	71 460	76 097
Platinum metals					
Palladium	61 210	79 160	92 649	121 472	145 982
Rhodium	7 786	7 171	7 854	9 650	9 602
Other	4 003	5 513	10 903	9 081	17 750
Waste & scrap	5 071	4 219	2 757	6 310	5 065
Brazil					
Platinum	370	408	622	563	...
Palladium	639	1 210	804	1 539	...
Venezuela					
Platinum & platinum metals	1 241	991	1 010	...	...
China					
Platinum & platinum metals	1 432	945	950	1 800	3 455
Cyprus					
Platinum & platinum metals	94	75	73	91	4 492
Hong Kong					
Platinum & platinum metals	5 798	5 878	8 313	11 324	18 379
India (a)					
Platinum & platinum metals	101	251	221	231	...
Indonesia					
Platinum & platinum metals	16	21 279	6 333	79	...
Israel					
Platinum & platinum metals	£807 000	£1 472 000	£1 808 000	...	...
Japan					
Platinum	58 023	65 927	74 762	73 199	72 806
Platinum metals	68 372	77 058	85 937	106 216	85 727
Waste & scrap	2 786	93 473	2 890	1 013	25 152
Korea, Republic of					
Platinum & platinum metals	3 957	4 316	5 638	7 353	51 890
Malaysia					
Platinum & platinum metals	9 341	12 071	22 915	...	...
Singapore					
Platinum & platinum metals	13 556	13 117	17 924	23 466	11 044
Taiwan					
Platinum & platinum metals	3 046	3 741	6 563	15 378	...
Thailand					
Platinum & platinum metals	122 442	76 915	101 926	51 373	...
Australia					
Platinum metals (b)	8 289	3 556	...	...	...

Note(s):

(1) In this table the term 'Platinum' and/or 'Platinum metals' includes unwrought, partly worked and alloys

(a) Years ended 31 March following that stated

(b) Years ended 30 June of that stated

(c) Derived from Canadian ores and concentrates exported for treatment

(d) BGS estimates, based on known exports from certain countries

Production of Potashtonnes (K₂O content)

Country	1992	1993	1994	1995	1996
United Kingdom					
Chloride	529 900	555 000	580 000	582 000	618 000
France					
Potassic salts	1 133 500	890 000	869 600	801 600	*800 000
Germany					
Potassic salts	3 758 000	2 860 000	3 286 600	3 278 400	3 331 790
Italy					
Potassic salts	86 000	—	—	—	—
Spain					
Chloride	593 605	660 856	679 954	808 580	812 000
Azerbaijan	*62 000	*10 000	*5 000	*5 000	*5 000
Belarus	3 311 400	1 947 000	2 510 000	2 789 000	2 716 000
Russia	3 454 200	2 597 000	2 479 000	2 814 000	2 618 000
Ukraine	98 000	88 000	77 700	55 100	55 200
Canada					
Chloride	7 269 583	6 835 865	8 181 946	9 065 604	8 050 244
USA					
Potassic salts	1 705 000	1 506 000	1 400 000	1 480 000	1 390 000
Brazil					
Chloride	85 035	167 589	234 265	215 411	235 000
Chile					
Chloride	*33 400	*34 500	*47 300	*60 000	*200 000
Nitrate	*46 300	*46 000	*46 000	*48 000	*50 000
China	153 000	117 200	327 200	263 200	218 200
Israel					
Chloride	1 296 300	1 309 000	1 259 300	1 326 000	1 500 000
Jordan	808 000	822 100	930 200	1 068 000	1 059 200
World total	24 400 000	20 400 000	22 900 000	24 700 000	23 700 000

Exports of Potash

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Chloride	603 716	*530 000	*550 000	*550 000	*540 000
Other potassic fertilisers	2 102	722	426	601	2 337
Potassic chemicals	14 385	3 585	6 153	8 370	9 408
Belgium-Luxembourg					
Fertiliser salts (a)	62	60	1	450	*3 000
Sulphate (b)	*334 000	*326 000	*290 000	*315 000	...
Chloride (a)	84 353	95 789	151 785	104 283	*95 000
Other potassic fertilisers (a)	4 053	10 199	1 638	1 304	*2 000
Potassic chemicals	3 848	24 465	...	21 883	20 022
Finland					
Sulphate (b)	*41 200	*32 800	...	*41 000	...
France					
Sulphate	13 166	1 321	1 059	...	...
Chloride	187 142	336 839	323 202	299 522	...
Other potassic fertilisers	2 470	165	223	...	...
Potassic chemicals	31 809	44 541	39 389	59 231	...
Germany					
Fertiliser salts (a)	47 919	(e) 3 760 739	(e) 2 816 908	(e) 2 471 985	(e) 2 648 218
Other potassic fertilisers (a)	(e) 4 535 160	104 673	36 356	39 917	—
Potassic chemicals	33 584	31 351	56 000	68 739	78 823
Italy					
Sulphate	119 366	27 222	49	51	...
Other potassic fertilisers	337	3 695	3 234	627	...
Potassic chemicals	8 438	12 428	12 686	13 996	...
Netherlands					
Sulphate (a)	687	1 754	1 125	484	*3 000
Chloride (a)	59 754	70 364	64 812	50 704	*35 000
Potassic chemicals	6 765	10 021	8 436	7 661	8 048
Spain					
Sulphate	51 665	29 111	47 313	46 071	...
Chloride	491 278	734 273	582 009	730 080	...
Potassic chemicals	1 646	1 778	4 234	5 654	...
Sweden					
Sulphate	83 109	102 563	125 054	129 694	137 876
Belarus					
Chloride (b)	*316 000	*522 000	*502 000	*440 000	...
Potassic fertilisers (b)	*151 000	...	*589 000	...	...
Czechoslovakia					
Potassic chemicals (b)	*6 400	—	—	—	—
Czech Republic					
Potassic chemicals	—	(b) *3 100	1 211	(b) *7 800	...
Latvia					
Fertiliser salts (b) (c)	...	...	*32 100	...	...
Chloride (b) (c)	*120 700	*198 300	*460 800	*120 000	...
Other potassic fertilisers (b) (c)	...	...	*124 400	...	...
Potassic chemicals (b) (c)	...	...	*26 100	...	...
Lithuania					
Potassic fertilisers	(b) (d) *16 700	...	(b) (d) *30 300	1 530	...
Norway					
Potassic chemicals	9 005	7 675	12 758	36 250	42 085
Poland					
Potassic fertilisers	1 213	37 433	3 024	1 166	...
Potassic chemicals (b)	*1 700	*2 200	*2 700	...	...
Romania					
Potassic chemicals	110 846	67 648	183 335	155 506	174 287
Russia					
Chloride	4 083 000	2 725 000	(b) *1 852 000	(b) *3 565 000	...
Other potassic fertilisers	40 000	5 000	(b) *515 700	(b) *201 000	...
Switzerland					
Potassic chemicals	1 013	936	343	1 330	374
Ukraine					
Chloride (b)	*27 000	*154 000	*126 000	*340 000	...
Other potassic fertilisers (b)	...	*108 000	*121 000	...	...
Yugoslavia, Federal Republic of					
Potassic chemicals	921	...	...	...	...

Exports of Potash

Country	1992	1993	1994	1995	1996
Canada					
Chloride	10 199 772	10 146 972	12 960 816	13 795 493	12 927 177
Other potassic fertilisers	49 531	24 124	35 236	7 681	14 827
Potassic chemicals	8 635	14 773	39 114	8 555	12 428
USA					
Sulphate	602 443	556 035	563 000	629 000	694 000
Chloride	708 474	361 193	419 000	297 000	393 000
Potassic chemicals	116 214	81 642	70 134	105 500	114 735
Chile					
Fertiliser salts	136 050	132 304	169 931	147 294	147 829
Potassic chemicals	135 343	154 227	181 795	206 260	189 225
China					
Chloride	1 086	7 004	3 208	196 564	525 701
Potassic chemicals	7 085	16 324	10 342	11 516	12 591
Hong Kong					
Potassic chemicals (c)	1 037	1 419	1 584	1 725	574
Israel					
Chloride (b)	*1 362 200	*1 399 000	*1 363 600	*1 232 000	...
Other potassic fertilisers	114 204	24 232	(b) *37 600	(b) *52 900	...
Potassic chemicals (b)	*206 900	*165 300	*106 900	*153 100	...
Japan					
Potassic fertilisers	994	1 324	1 407	487	786
Potassic chemicals	17 515	15 474	12 694	18 204	26 499
Jordan					
Fertiliser salts (a)	742 000	886 000	910 000	1 058 500	1 052 200
Korea, Republic of					
Sulphate	28 312	...	46 851	...	105 363
Potassic chemicals	20 473	22 492	31 543	42 829	53 597
Singapore					
Sulphate (c)	11 655	8 342	6 191	2 074	139
Chloride	79 615	60 719	58 888	39 327	29 438
of which: Re-exports	79 329	60 695	57 874	39 327	29 414
Other potassic fertilisers	1 152	2 512	7 147	989	5 853
of which: Re-exports	...	2 033	7 136	989	5 850
Taiwan					
Potassic fertilisers	93 037	59 457	108 419	75 781	...
Potassic chemicals	8 353	9 813	1 600	10 810	...

Note(s):

(1) So far as possible the term 'potassic chemicals', as used in this table, relates to items 522.64, 523.3,4,5 and 7 of the S.I.T.C. (Rev.3) and includes hydroxide, carbonate, chlorate, nitrate and sulphate

(a) K₂O content

(b) BGS estimates, based on known imports into certain countries

(c) Re-exports

(d) Is likely to include re-exports

(e) Including sulphate and chloride

Imports of Potash

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Fertiliser salts	12 080	18 464	22 427	26 965	26 361
Chloride	396 762	332 807	463 715	441 494	462 644
Other potassic fertilisers	25 921	7 267	10 266	6 011	9 110
Potassic chemicals	41 756	36 097	34 042	37 147	35 223
Austria					
Fertiliser salts	11 449	3 017	13 324	11 485	2 049
Sulphate	13 219	14 353	9 055	7 130	5 688
Chloride	162 716	161 606	181 328	27 279	141 533
Other potassic fertilisers	3 396	4 761	5 369	502	726
Potassic chemicals	7 148	6 858	7 737	9 348	6 561
Belgium-Luxembourg					
Fertiliser salts (a)	5 373	4 277	3 805	4 364	*4 000
Sulphate (a)	41 003	60 399	58 550	48 468	*69 000
Chloride (a)	696 145	1 095 340	686 756	725 721	*695 000
Other potassic fertilisers (a)	12 664	606	1 607	5 177	*7 000
Potassic chemicals	27 833	56 324	58 753	76 385	89 099
Denmark					
Sulphate	25 869	22 165	24 953	29 494	7 190
Chloride	205 503	223 001	251 523	244 743	125 870
Other potassic fertilisers	9 783	7 869	6 733	10 588	14 967
Potassic chemicals	12 463	12 274	9 887	17 289	21 215
Finland					
Chloride (c)	*257 000	*278 400	*161 800	*184 000	*160 000
Other potassic fertilisers	2 593	1 962	436	6 892	...
Potassic chemicals	5 300	6 387	8 673	7 045	...
France					
Fertiliser salts	45 832	241	9 514	37 829	...
Sulphate	102 504	97 702	86 436	95 573	...
Chloride	1 131 359	889 439	1 296 250	1 391 722	...
Other potassic fertilisers	25 475	24 138	31 344	28 405	...
Potassic chemicals	31 084	36 801	40 394	59 257	...
Germany					
Chloride (a)	105 833	136 681	51 186	54 696	64 319
Potassic chemicals	49 146	27 759	34 501	38 480	43 924
Greece					
Sulphate	100 591	48 350	77 411	110 351	...
Chloride	12 528	20 354	21 558	37 397	...
Other potassic fertilisers	5 791	2 899	8 196	8 954	...
Potassic chemicals	13 085	974	1 097	1 788	...
Irish Republic					
Sulphate	90	5 975	5 517	5 634	1 911
Chloride	215 244	243 336	233 221	225 024	311 191
Other potassic fertilisers	2 723	3 016	21 692	—	—
Italy					
Fertiliser salts	817	212	3	20	...
Sulphate	85 219	99 844	124 782	90 861	...
Chloride	554 009	551 121	493 798	485 201	...
Other potassic fertilisers	31 383	18 911	24 542	23 603	...
Potassic chemicals	40 614	40 803	12 128	15 498	...
Netherlands					
Sulphate (a)	28 618	18 820	17 227	22 884	*25 000
Chloride (a)	246 544	208 624	299 537	312 389	*205 000
Other potassic fertilisers (a)	10 782	6 516	12 737	9 063	*12 000
Potassic chemicals	30 531	42 203	63 484	64 167	111 993
Portugal					
Sulphate	1 397	...	...	...	1 198
Chloride	55 758	...	...	...	79 072
Potassic chemicals	4 207	4 639	...	...	2 040
Spain					
Sulphate	4 055	7 260	6 254	16 323	...
Chloride	209 079	71 233	111 092	256 636	...
Other potassic fertilisers	4 278	30 548	385	849	...
Potassic chemicals	68 756	81 121	86 059	115 336	...

Imports of Potash

Country	1992	1993	1994	1995	1996
Sweden					
Fertiliser salts	3 037	2 705	4 029	2 480	25
Sulphate	9 980	6 428	10 269	...	...
Chloride	138 757	137 468	250 792	...	7 479
Other potassic fertilisers	3 834	3 149	2 743	4 981	4 589
Potassic chemicals	5 292	4 060	5 355	9 530	5 294
Bulgaria					
Fertiliser salts (a)	...	3 000	3 000	12 000	27 000
Croatia					
Chloride	185 230	145 890	...	178 418	163 127
Czechoslovakia					
Potassic fertilisers (a)	113 600	—	—	—	—
Hungary					
Potassic fertilisers	21 017	77 041	95 227	107 255	113 779
Potassic chemicals	2 485	1 520	1 746	2 678	2 775
Iceland					
Sulphate	1 824	1 019	1 260	1 030	21
Chloride	8 163	5 446	5 188	5 386	7 881
Potassic chemicals	857	1 105	1 204	629	858
Norway					
Sulphate	156 709	130 881	159 036	177 640	169 303
Chloride	282 898	381 300	361 047	359 922	372 793
Other potassic fertilisers	480	447	458	367	524
Potassic chemicals	2 190	2 752	4 860	4 543	5 480
Poland					
Fertiliser salts	264 772	115 804	11 901	11 476	...
Sulphate	9 246	6 193	6 331	12 010	...
Chloride	189 199	310 690	656 959	732 981	...
Romania					
Fertiliser salts (a)	36 800	60 000	55 300	56 000	43 000
Slovakia					
Potassic fertilisers	—	34 274	...	...	...
Switzerland					
Sulphate	4 759	3 795	2 800	2 937	3 152
Chloride	35 733	35 448	31 400	25 821	19 193
Other potassic fertilisers	3 056	3 820	5 191	4 578	4 997
Potassic chemicals	14 855	15 295	16 192	15 045	15 132
Turkey					
Sulphate	24 537	29 624	26 966	11 336	21 385
Other potassic fertilisers	88 242	131 910	128 697	136 492	115 974
Potassic chemicals	11 851	13 671	9 205	19 900	20 093
Yugoslavia, Federal Republic of					
Sulphate	3 618	...	...	...	...
Chloride	136 350	...	...	...	...
Potassic chemicals	880	...	...	...	...
Cameroon					
Potassic fertilisers (a)	2 300	1 100	5 700	100	...
Egypt					
Potassic fertilisers (a)	1 700	36 800	7 100	8 800	12 600
Kenya					
Potassic fertilisers (a)	1 400	100	700	—	—
Madagascar					
Potassic fertilisers (a)	2 905	2 234	*3 000	*2 000	...
Mauritius					
Potassic fertilisers (a)	15 300	16 600	17 400	16 500	16 500
Morocco					
Sulphate	26 632	(f) 35 978	...	...	...
Chloride	60 689	...	...	...	...
Potassic chemicals	394	...	...	...	...
Nigeria					
Potassic fertilisers (a)	41 800	23 100	18 400	—	6 000
Reunion					
Potassic fertilisers (a)	1 600	2 270	3 523	...	...
Senegal					
Potassic fertilisers (a)	20 100	17 200	10 500	18 000	12 000

Imports of Potash

tonnes

Country	1992	1993	1994	1995	1996
South Africa					
Sulphate	22 016	12 187	11 667	31 997	...
Chloride	215 929	282 844	254 847	202 073	...
Potassic chemicals	29 990	33 817	29 413	39 466	...
Tunisia					
Potassic fertilisers	9 459	9 569	11 579	...	...
Potassic chemicals	762	...	1 160	...	...
Zimbabwe					
Sulphate	16 444	65 163	68 731	22 538	...
Chloride	22 187	37 162	41 541	12 281	...
Belize					
Potassic fertilisers	3 423	3 531	4 659	3 052	978
Canada					
Sulphate	84 325	107 434	69 789	61 825	73 518
Chloride	8 844	4 576	4 950	5 651	12 318
Other potassic fertilisers	3 780	1 537	1 216	1 452	2 291
Potassic chemicals	17 675	17 646	18 674	23 937	24 980
Costa Rica					
Potassic fertilisers	98 352	86 360	98 111	85 827	...
Cuba					
Chloride	*60 000	*50 000	*65 000	*175 000	*170 000
Dominican Republic					
Potassic fertilisers	29 900	10 100	26 000	18 600	30 300
El Salvador					
Potassic fertilisers	...	7 675	5 610	*8 000	...
Guatemala					
Potassic fertilisers	21 723	37 723	46 549	55 071	*45 000
Honduras					
Potassic fertilisers	22 229	38 873	28 442	18 156	...
Jamaica					
Potassic fertilisers	2 738	341	...	13 027	12 744
Martinique					
Potassic fertilisers	19 260	5 302	15 153	15 472	...
Mexico					
Sulphate	42 836	36 037	31 211	24 822	...
Chloride	58 468	171 262	128 842	96 386	(e) *250 000
Potassic chemicals	11 823	6 193	4 373	3 407	...
Nicaragua					
Potassic fertilisers	8 139	...	3 847	5 621	*2 000
Panama					
Potassic fertilisers	12 056	12 136	29 132	18 882	...
USA					
Fertiliser salts	568	6 827	3 676	3 242	33 331
Sulphate	67 746	87 328	70 886	51 777	60 370
Chloride	6 862 406	7 058 085	7 863 391	7 912 547	8 127 007
Other potassic fertilisers	180 224	46 016	59 980	29 957	41 698
Potassic chemicals	66 189	79 191	41 011	246 576	59 135
Argentina					
Sulphate	6 520	9 126	1 885	7 116	...
Chloride	17 635	18 929	21 723	36 700	*48 000
Potassic chemicals	14 133	11 539	9 589	11 725	...
Brazil					
Sulphate	57 678	46 548	39 889	50 005	...
Chloride	2 117 161	2 516 340	2 748 461	2 484 865	*3 000 000
Potassic chemicals	24 456	23 919	21 420	19 282	...
Chile					
Sulphate	13 444	11 711	9 318	6 953	12 472
Chloride	38 184	42 205	46 450	59 383	74 732
Other potassic fertilisers	6 228	9 563	13 417	25 169	33 488
Colombia					
Sulphate	12 404	14 136	7 230	12 707	...
Chloride	281 008	217 679	298 059	252 310	*265 000
Potassic chemicals	1 668	1 549	868	2 638	...
Ecuador					
Fertiliser salts	4 168	12 000	5 999	6 045	...
Chloride	10 231	25 829	39 377	65 827	...
Other potassic fertilisers	13 522	1 503	6 734	3 555	...

Imports of Potash

Country	1992	1993	1994	1995	1996
Guyana					
Potassic fertilisers	*500	*2 000	...	...	...
Peru					
Chloride	8 980	30 106	55 136	8 445	...
Other potassic fertilisers	401	8 183	5 529	12 745	...
Potassic chemicals	486	1 047	6 064	1 533	...
Uruguay					
Potassic fertilisers	7 121	9 663	4 906	5 349	...
Venezuela					
Sulphate	24 752	2 909	23 104	16 796	...
Chloride	96 008	86 028	57 830	73 763	...
Potassic chemicals	2 477	4 796	1 738	4 685	...
Bangladesh (d)					
Potassic fertilisers	53 905	2 048	...	...	...
China					
Sulphate	522 845	566 335	570 972	439 884	416 504
Chloride	2 444 345	1 727 246	2 846 045	3 858 241	3 438 962
Other potassic fertilisers	1 580	386	85 259	98 172	...
Potassic chemicals	2 985	5 482	583	33 111	41 185
Cyprus					
Potassic fertilisers	506	428	3 034	583	462
Hong Kong					
Potassic chemicals	1 142	1 738	1 787	3 985	2 048
India (b)					
Chloride	1 225 097	1 086 248	1 703 423	1 885 667	...
Other potassic fertilisers	39 841	31 376	43 848	140 992	...
Potassic chemicals	2 332	5 162	33 387	6 808	...
Indonesia					
Sulphate	13 038	5 083	19 514	12 929	...
Chloride	443 623	505 630	347 500	522 035	...
Potassic chemicals	4 639	10 657	8 664	7 734	...
Japan					
Sulphate	184 268	186 213	197 924	22 582	238 567
Chloride	965 638	993 180	1 002 914	968 381	909 857
Other potassic fertilisers	81 073	84 203	82 979	223 886	83 752
Potassic chemicals	23 666	23 765	41 088	71 445	64 920
Korea, Dem. P.R. of					
Potassic fertilisers (c)	*121 900	...	*1 300	...	...
Korea, Republic of					
Chloride	673 414	618 319	671 066	...	712 505
Potassic chemicals	8 038	9 557	11 197	19 337	22 469
Malaysia					
Sulphate	3 503	15 357	18 268	...	...
Chloride	142 999	148 786	...	...	...
Other potassic fertilisers	683 373	756 957	700 748	...	...
Pakistan (d)					
Potassic chemicals	572	1 217	1 199	...	...
Philippines					
Sulphate	45 414	24 250	39	185	...
Chloride	143 722	172 753	201 664	208 515	...
Other potassic fertilisers	4 443	479	4	—	...
Potassic chemicals	7 298	13 879	14 841	7 376	...
Saudi Arabia					
Sulphate	31 103	1 088	541	...	...
Other potassic fertilisers	43 531	6 618	2 667	...	...
Singapore					
Sulphate	17 535	8 100	4 764	28	161
Chloride	57 500	32 887	35 166	41 974	27 704
Other potassic fertilisers	15 173	41 993	27 874	14 778	5 068
Sri Lanka					
Chloride	28 200	34 576	52 673	28 428	...
Other potassic fertilisers	21 197	48 551	53 746	49 964	...
Syria					
Potassic fertilisers	*1 500	3 000	5 600	8 225	...
Taiwan					
Chloride	259 777	320 177	282 513	344 918	...
Potassic chemicals	5 778	6 711	10 096	8 833	...

Imports of Potash

tonnes

Country	1992	1993	1994	1995	1996
Thailand					
Sulphate	20 302	25 090	15 332	15 715	...
Chloride	115 858	111 129	120 728	182 770	...
Potassic chemicals	15 022	16 304	14 480	15 338	...
Australia (d)					
Sulphate	21 223	10 465	...	...	...
Chloride	222 659	242 978	...	...	...
Other potassic fertilisers	529	4 923	...	...	...
Potassic chemicals	16 007	16 508	...	...	...
New Zealand (d)					
Sulphate	12 776	4 624	7 760	684	...
Chloride	180 733	209 624	236 004	216 494	...
Potassic chemicals	1 839	1 982	4 464	3 952	...

Note(s):

(1) So far as possible the term 'potassic chemicals', as used in this table, relates to items 522.64, 523.3,4,5 and 7 of the S.I.T.C. (Rev.3) and includes hydroxide, carbonate, chlorate, nitrate and sulphate

- (a) K₂O content
- (b) Years ended 31 March following that stated
- (c) BGS estimates, based on known exports from certain countries
- (d) Years ended 30 June of that stated
- (e) Including sulphate
- (f) Including chloride

Production of Rare Earth Minerals

tonnes

Country	1992	1993	1994	1995	1996
Soviet Union (d)					
Monazite (a)	*8 000	*7 000	*6 000	*6 000	*6 000
Congo, Democratic Republic					
Monazite	*50	*20	*20	*20	*10
Madagascar					
Bastnaesite	*5	*5	*5	*5	...
Monazite	*100	*100	*100	*100	...
South Africa					
Monazite	*430	*430	131	—	—
USA					
Bastnaesite (a)	20 699	17 754	20 664	22 200	20 400
Monazite (a)	*800	...	...	—	—
Brazil					
Monazite	*2 500	...	...	...	...
China (a)	*21 300	*22 100	*23 000	*30 700	*33 000
India					
Monazite (b)	*4 000	*4 600	*4 600	*5 000	*5 000
Malaysia					
Monazite	777	407	425	814	618
Xenotime	13	22	1	—	—
Sri Lanka					
Monazite	*200	*200	*200	*200	*200
Thailand					
Monazite	89	220	57	60	—
Australia					
Monazite	5 600	6 500	2 700	200	—
World total (c)	93 000	89 800	90 800	103 100	103 400
World total (REO content)	*55 900	*53 900	*54 500	*61 800	*62 100

Note(s):

- (1) With the exception of the data for the former Soviet Union, USA and China, figures in this table refer to gross tonnage of rare earth concentrates
 - (2) Rare earth minerals are believed to be produced, on a small scale, in Indonesia, Democratic P.R. of Korea and Mozambique
- (a) REO content. Assumed to be 60% of concentrates produced
(b) Years ended 31 March following that stated
(c) Expressed as grossed up weight of concentrates produced
(d) Dissolved in December 1991. No information is available on which to estimate for individual countries

Exports of Rare Earths

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Cerium compounds	497	219	408	568	468
Other rare earth compounds	185	380	658	772	916
Ferro-cerium & other pyrophoric alloys	9	93	20	29	10
Metals	75	106	107	416	44
Austria					
Cerium compounds	599	687	789	975	553
Other rare earth compounds	2 183	2 809	3 234	2 167	1 651
Metals	383	358	376	285	278
France					
Rare earth compounds	—	19 525	16 207	9 766	...
Ferro-cerium & other pyrophoric alloys	132	121	127	155	...
Metals	16	70	41	73	...
Germany					
Rare earth compounds	234	120	117	147	16
Ferro-cerium & other pyrophoric alloys	158	16	7	9	9
Italy					
Metals	121	33	47	...	...
Estonia					
Rare earth compounds (b)	*1 500	*600	*2 900	*3 200	...
Russia					
Rare earth compounds (b)	*1 000	*1 200	*700	*300	...
Switzerland					
Ferro-cerium & other pyrophoric alloys	1 634	1 565	1 572	1 664	1 607
South Africa (a)					
Rare earth compounds	£9 000	£13 400	£57 100	...	...
USA					
Cerium compounds	1 962	1 629	4 453	5 127	6 148
Other rare earth compounds	1 335	1 070	2 416	1 546	2 221
Metals	36	166	275	370	211
Brazil					
Metals	144	153	67	11	...
China					
Ores & concentrates	...	1 307	1 729	676	1 405
Rare earth compounds	9 315	14 969	20 582	35 485	43 516
Ferro-cerium & other pyrophoric alloys	(b) *20	221	...	130	288
Metals	2 986	2 747	4 639	6 870	5 055
Japan					
Cerium compounds	467	537	597	541	658
Other rare earth compounds	238	199	204	395	417
Metals	—	1	4	804	408
Kazakhstan					
Metals (b)	*200	*50	*50	*150	...
Malaysia					
Ores & concentrates	—	30	178	1 080	...
Thailand					
Ores & concentrates	149	—	—	—	...
Ferro-cerium & other pyrophoric alloys	127	349	205	37	...
Australia					
Ores & concentrates	5 700	6 500	3 000	...	...

Note(s):

(1) Rare earths are here taken to include yttrium and scandium

(a) Values shown are for the common customs area

(b) BGS estimates, based on known imports into certain countries

Imports of Rare Earths

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Cerium compounds	404	319	555	592	1 233
Other rare earth compounds	418	321	555	641	683
Ferro-cerium & other pyrophoric alloys	16	13	18	11	9
Metals	113	114	237	197	168
Austria					
Cerium compounds	957	574	451	433	484
Other rare earth compounds	49	492	406	541	810
Metals	999	622	377	829	276
Belgium-Luxembourg					
Cerium compounds	336	617	426	390	...
Other rare earth compounds	67	122	162	193	...
Ferro-cerium & other pyrophoric alloys	47	51	50	18	...
Metals	28	44	38	22	...
France					
Cerium compounds	680	584	564	1 311	...
Other rare earth compounds	4 537	8 073	13 570	13 027	...
Ferro-cerium & other pyrophoric alloys	1 025	87	77	65	...
Metals	284	237	294	305	...
Germany					
Cerium compounds	1 257	932	998	1 114	1 704
Other rare earth compounds	1 798	2 471	2 639	1 408	1 027
Ferro-cerium & other pyrophoric alloys	15	32	20	1	4
Metals	230	276	257	447	500
Italy					
Ferro-cerium & other pyrophoric alloys	8	25	19	...	...
Metals	97	49	6	...	...
Netherlands					
Cerium compounds	256	52	92	47	...
Other rare earth compounds	3 368	3 358	2 542	1 164	...
Ferro-cerium & other pyrophoric alloys	40	32	73	44	...
Metals	3	22	12	25	...
Spain					
Rare earth compounds	177	194	66	288	...
Ferro-cerium & other pyrophoric alloys	38	31	84	152	...
Metals	68	20	12	13	...
Norway					
Rare earth compounds	2	12	258	23	97
Metals	218	181	326	320	367
Switzerland					
Ferro-cerium & other pyrophoric alloys	1 420	1 567	1 396	1 400	1 582
Turkey					
Rare earth compounds	124	128	126	132	140
South Africa					
Rare earth compounds (a)	£665 000	£592 000	£1 038 000	£1 373 000	...
Canada					
Cerium compounds	369	394	510	515	563
Other rare earth compounds	180	108	154	231	381
USA					
Cerium compounds	814	1 268	1 891	4 097	4 816
Other rare earth compounds	6 024	7 607	7 880	12 068	18 538
Ferro-cerium & other pyrophoric alloys	103	118	77	89	119
Metals	280	196	299	791	368
Brazil					
Cerium compounds	97	253	274	464	...
Other rare earth compounds	...	1 634	1 280	1 166	...
Metals	36	242	268	357	...
Hong Kong					
Rare earth compounds	770	419	804	830	601
Indonesia					
Ferro-cerium & other pyrophoric alloys	104	31	—	0	...

Imports of Rare Earths

tonnes

Country	1992	1993	1994	1995	1996
Japan					
Cerium compounds	2 799	3 325	6 734	7 973	7 756
Other rare earth compounds	5 844	5 308	7 641	9 913	8 997
Metals	414	1 079	1 851	2 838	2 395
Korea, Republic of					
Cerium compounds	242	256	253	278	697
Other rare earth compounds	137	88	431	1 394	1 500
Metals	4	8	13	25	67
Malaysia					
Ores & concentrates	151	...	...	...	...
Taiwan					
Ores & concentrates	375	392	367	129	...
Rare earth compounds	469	917	2 086	2 616	...
Ferro-cerium & other pyrophoric alloys	24	18	50	36	...
Metals	87	152	97	155	...
Thailand					
Ferro-cerium & other pyrophoric alloys	80	100	79	69	...

Note(s):

(1) Rare earths are here taken to include yttrium and scandium

(a) Values shown are for the common customs area

Production of Salt

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Rock salt	*1 400 000	*1 200 000	*1 700 000	*1 800 000	*1 800 000
Brine salt	*1 300 000	*1 300 000	*1 300 000	*1 300 000	*1 300 000
Salt in brine (a)	3 401 103	4 075 543	4 009 000	3 548 000	3 512 000
Austria					
Rock salt	1 344	1 183	1 197	1 056	923
Salt in brine	199 274	253 951	224 898	263 292	—
Evaporated salt	461 679	439 455	516 455	523 044	(e) 755 118
Denmark (h)	528 429	591 055	633 592	603 362	*600 000
Finland	8 781	7 112	7 447	6 653	4 309
France					
Rock salt	103 000	116 000	151 000	165 000	370 000
Salt in brine	4 860 000	4 355 000	4 608 000	4 410 000	4 273 000
Sea salt	1 156 000	*1 200 000	950 000	1 473 000	970 000
Germany					
Rock salt	4 265 000	4 883 000	4 725 000	6 414 000	7 837 000
Brine salt	807 000	813 000	801 000	967 000	999 000
Salt in brine	5 293 737	4 889 018	5 006 000	5 050 000	5 015 000
Greece	143 184	175 159	192 000	...	...
Italy					
Rock salt & brine salt	3 365 946	3 021 427	3 396 155	3 430 374	3 656 000
Sea salt	610 000	700 000	700 000	700 000	700 000
Netherlands	3 628 000	*3 500 000	3 500 000	4 976	5 530
Portugal					
Rock salt	592 287	524 540	519 432	587 288	...
Sea salt	*125 000	88 177	100 690	...	...
Spain					
Rock salt	1 664 574	1 700 743	1 971 728	2 136 000	...
Sea salt	965 112	1 075 944	1 421 514	1 282 000	...
Other salt	75 173	65 225	117 175	75 550	...
Albania					
Rock salt	*5 000	*10 000	*10 000	*10 000	...
Armenia	*100 000	*50 000	*40 000	32 800	26 400
Azerbaijan	*50 000	*40 000	*30 000	*20 000	...
Belarus	294 552	273 951	262 893	218 776	230 474
Bosnia & Herzegovina	*70 000	*50 000	*50 000	*50 000	*50 000
Bulgaria	1 000 000	650 000	700 000	1 500 000	1 600 000
Croatia	28 585	29 643	21 655	21 784	18 820
Czech Republic	—	*180 000	*180 000	*180 000	...
Poland					
Rock salt	581 500	717 700	750 300	812 100	922 700
Brine salt	2 544 500	2 369 600	2 575 200	2 603 200	2 449 200
Romania	2 556 000	2 188 000	2 201 161	2 489 300	2 688 900
Russia	3 600 000	2 200 000	2 200 000	3 100 000	1 900 000
Slovakia	—	*70 000	*70 000	*70 000	...
Slovenia	7 000	12 300	11 230	2 738	...
Switzerland	228 756	220 901	259 205	465 000	530 000
Turkey					
Rock salt	86 321	153 854	79 509	75 671	...
Sea salt	511 671	539 603	531 639	464 089	...
Other salt	819 632	832 484	742 158	902 290	...
Ukraine	*4 400 000	3 900 000	3 300 000	2 900 000	...
Yugoslavia, Federal Republic of					
Sea salt	46 945	38 867	32 086	13 500	21 646
Algeria					
Brine salt & sea salt	180 000	189 000	176 000	151 000	*150 000
Angola	*20 000	*30 000	*30 000	*30 000	...
Botswana	53 708	98 000	185 986	208 126	93 886
Cape Verde Islands	1 310	1 718	3 056	...	...
Egypt (j)	794 980	1 118 820	1 007 495	1 193 000	1 148 200
Eritrea	—	—	207 836	254 701	200 412
Ethiopia (d)	*110 000	*130 000	*5 000	*5 000	*5 000
Ghana	*50 000	*50 000	*50 000	*50 000	...
Kenya	72 494	74 669	75 757	73 484	*41 000
Libya	*12 000	*12 000	*12 000	*12 000	...
Madagascar	27 628	63 899	75 783	51 307	...
Mali	*5 000	*5 000	*5 000	*5 000	...

Production of Salt

tonnes

Country	1992	1993	1994	1995	1996
Mauritania	*5 500	*5 500	*5 500	*5 500	*5 500
Mauritius (c)	*6 000	*6 000	*6 000	*6 000	...
Morocco	164 528	150 961	176 442	173 049	165 393
Mozambique	*40 000	*40 000	*40 000	*40 000	...
Namibia	120 835	132 585	356 965	429 779	93 609
Senegal	110 000	117 400	*117 000	*120 000	*120 000
Somalia	*1 000	*1 000	*1 000	*1 000	*1 000
South Africa	701 991	612 629	414 463	311 388	263 557
Sudan	*75 000	*75 000	*75 000	*75 000	*50 000
Tanzania	77 281	83 400	84 289	105 006	86 700
Tunisia (c)	460 000	435 000	528 000	319 000	...
Bahamas (i)	*1 000 000	*1 000 000	*1 000 000	1 038 768	...
Canada					
Rock salt	7 984 369	8 025 899	9 452 946	8 004 482	9 551 520
Other salt (e)	3 187 024	2 899 767	2 815 914	2 870 497	2 743 298
Costa Rica	30 500	31 100	31 700	32 200	...
Cuba	*185 000	*185 000	*175 000	*180 000	...
Dominican Republic	*12 000	*12 000	*10 000	*10 000	...
El Salvador (c)	21 573	40 352	48 726	*50 000	...
Guatemala (c)	46 200	47 800	49 600	50 800	*50 000
Honduras	*30 000	*30 000	*25 000	*25 000	*25 000
Mexico	7 395 152	7 490 820	7 458 414	7 669 549	8 508 148
Netherlands Antilles (i)	370 503	337 176	475 544	424 065	366 265
Nicaragua (c)	*15 000	*15 000	*15 000	*15 000	...
Panama (c)	31 045	18 560	24 977	20 398	...
USA (f)					
Rock salt	10 911 000	13 401 000	14 900 000	13 000 000	...
Salt in brine	17 571 000	18 100 000	18 000 000	20 500 000	(k) 40 100 000
Evaporated salt	6 302 000	6 670 000	6 820 000	7 230 000	...
Argentina	952 205	1 033 804	855 274	985 914	...
Brazil					
Rock salt	1 230 608	1 399 962	1 372 780	1 340 000	1 514 000
Sea salt	4 030 000	4 780 000	4 670 000	4 460 000	...
Chile	1 671 681	1 443 250	3 177 898	3 494 451	...
Colombia					
Rock salt	230 000	230 685	93 639	119 092	153 751
Sea salt	317 033	169 370	116 361	162 315	406 501
Peru	238 244	125 277	141 253	140 200	235 536
Venezuela (c)	312 700	*370 000	*400 000	*350 000	...
Afghanistan (g)	*12 000	*13 000	*13 000	*13 000	*13 000
Bangladesh (j)	*320 000	331 000	695 000	952 000	...
Cambodia	*40 000	*40 000	*40 000	*40 000	*40 000
China	28 380 000	29 426 400	29 960 000	29 777 200	29 035 700
India					
Rock salt	*2 700	*2 000	*3 000	*3 000	*3 000
Sea salt	*9 500 000	*9 500 000	*9 500 000	*9 500 000	*9 500 000
Indonesia	*630 000	*650 000	*650 000	*670 000	*670 000
Iran (g)	1 017 627	988 695	865 927	721 110	...
Iraq	*250 000	*300 000	*300 000	*250 000	...
Israel	1 102 000	1 123 000	*1 120 000	*900 000	*800 000
Japan	1 405 000	1 378 000	1 387 000	*1 400 000	*1 390 000
Jordan (b)	15 000	10 000	19 000	57 000	50 000
Korea, Dem. P.R. of	*590 000	*590 000	*600 000	*600 000	*590 000
Korea, Republic of	771 937	*750 000	*760 000	*770 000	*770 000
Kuwait	800	40 863	37 000	33 767	...
Laos	12 500	9 500	10 000	12 000	...
Lebanon	*3 000	*3 000	*3 000	*3 000	...
Mongolia	979	603	200	497	429
Myanmar (b) (c)	*260 000	*260 000	*260 000	*260 000	*260 000
Oman	...	10 086	13 098	14 317	...
Pakistan					
Rock salt	832 000	895 098	846 686	934 661	*940 000
Sea salt	10 000	14 152	*13 341	17 146	*18 000
Philippines	495 816	535 481	492 100	*500 000	*510 000
Sri Lanka	122 780	60 513	55 700	—	—
Syria	84 000	113 000	*127 000	111 000	...

Production of Salt

tonnes

Country	1992	1993	1994	1995	1996
Taiwan	25 732	176 298	185 987	220 531	233 321
Thailand					
Rock salt	212 750	261 612	287 806	380 511	*350 000
Other salt	*100 000	*100 000	*100 000	*100 000	*100 000
Turkmenistan	...	...	...	276 912	294 685
Vietnam	*350 000	*350 000	*375 000	*375 000	*375 000
Yemen, Republic of	107 000	*110 000	*110 000	*110 000	*110 000
Australia	7 693 000	7 737 000	8 137 000	8 148 000	8 042 000
New Zealand	*80 000	*80 000	*80 000	*50 000	*60 000
World total	173 800 000	176 900 000	183 700 000	184 000 000	184 700 000

Note(s):

- (1) This table does not include production of refined salt
(2) Salt is known to be produced in many countries for which statistics are not available. Among these are Martinique and Nigeria

- (a) Used for purposes other than salt-making
(b) Brine salt
(c) Sea salt
(d) Years ended 6 July of that stated
(e) Including salt in brine
(f) Sold or used by producers
(g) Years ended 20 March following that stated
(h) Sales
(i) Exports
(j) Years ended 30 June of that stated
(k) Salt; all forms

Exports of Salt

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	182 572	296 689	210 004	455 119	453 987
Belgium-Luxembourg	72 498	212 140	232 766	193 167	230 819
Denmark	312 946	332 818	345 531	325 569	335 686
France	486 013	462 232	598 955	605 536	...
Germany	3 107 795	2 373 780	2 839 848	2 698 101	2 852 410
Greece	4 474	17 139	8 391	17 049	...
Italy	374 201	244 275	333 685	314 116	...
Netherlands	3 025 690	2 330 797	2 501 219	3 714 195	3 340 723
Portugal	19 189	8 258	10 966	5 700	16 085
Spain	228 618	309 852	592 762	729 857	...
Sweden	1 575	4 133	2 301	54 306	1 774
Belarus	...	...	...	882 363	913 313
Bosnia & Herzegovina (a)	*7 200	*3 100	*1 400	...	...
Croatia	6 418	2 950	3 000	2 674	3 326
Iceland	1 582	819	791	521	3 985
Norway	2 093	3 439	4 357	3 397	5 511
Poland	249 850	451 031	469 405	530 577	...
Romania	295 953	247 099	299 024	397 903	565 510
Slovakia	—	*30 000	41 500	*42 000	...
Switzerland	7 737	10 932	22 969	86 792	73 243
Turkey	7 901	6 079	4 409	10 084	10 706
Egypt	208 106	280 431	446 877	266 400	...
Kenya	48 533	60 000	*60 000	*60 000	...
Madagascar	7 768	7 985	13 666	10 814	...
Morocco	12 388	25 500	55 560	54 670	...
Namibia	73 164	60 680	61 932	78 960	38 454
Senegal	157 315	139 779	167 427	188 271	155 543
South Africa	50 337	19 262	5 086	2 157	2 129
Tunisia	343 463	286 250	357 524	403 400	...
Bahamas	*1 000 000	*1 000 000	*1 000 000	1 038 768	...
Canada	2 632 613	3 105 598	3 639 220	2 987 612	3 818 919
Jamaica	5 620	3 879	3 843	4 048	3 930
Mexico	6 371 223	6 075 014	7 130 497	7 179 256	...
Netherlands Antilles	370 503	337 176	475 544	424 065	366 265
USA	1 003 655	729 970	713 129	670 906	898 502
Argentina	37 428	61 072	43 855	47 060	...
Brazil	43 994	187 401	223 615	130 267	163 766
Chile	930 061	1 168 034	2 985 664	1 214 742	3 922 438
Colombia	18 574	2 480	1 006	22 011	...
Peru	200	7 890	20 290	17 397	...
Abu Dhabi	2 063	3 062	0	180	150
China	151 709	200 580	234 214	336 650	365 417
Hong Kong (c)	6 220	6 216	8 702	5 488	4 306
India (b)	332 681	481 949	437 959	259 282	...
Indonesia	14 382	1 425	1 680	20 475	...
Iran (e)	39 446	83 994	76 623	...	...
Israel (a)	*87 100	*130 400	*132 300	*53 000	...
Japan	1 349	1 463	1 503	1 634	2 225
Jordan	6 212	908	793	800	...
Korea, Republic of	3 733	240	931	10 094	29 448
Malaysia	4 489	5 586	15 858	...	...
Pakistan (d)	30 418	29 992	5 354	...	...
Saudi Arabia	3 544	...	3 629	...	...
Singapore	10 808	11 304	12 112	7 538	6 217
of which: Re-exports	10 310	10 691	10 662	6 900	5 842
Taiwan	2 060	134	86	508	...
Thailand	76 922	91 014	85 800	70 522	...
Australia	7 027 000	6 983 000	7 260 000	7 648 000	7 651 000
New Zealand (d)	6 212	9 699	13 299	14 917	13 088

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 31 March following that stated

(c) Re-exports

(d) Years ended 30 June of that stated

(e) Years ended 20 March following that stated

Imports of Salt

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	171 520	181 388	225 757	238 599	311 917
Belgium-Luxembourg	1 148 139	1 032 334	1 393 656	1 490 943	1 862 162
Denmark	131 201	213 545	382 222	349 251	444 177
Finland	432 500	377 057	425 493	422 518	...
France	226 382	207 434	308 881	363 293	...
Germany	1 141 388	1 041 907	1 142 224	1 813 085	1 673 685
Greece	45 698	91 063	99 978	92 130	...
Irish Republic	106 054	63 989	61 828	76 576	...
Italy	568 014	539 686	729 946	564 006	...
Netherlands	400 314	268 878	430 097	282 981	499 651
Portugal	76 216	58 447	111 258	73 000	40 819
Spain	29 832	23 403	20 708	20 841	...
Sweden	960 099	1 018 041	1 171 627	1 059 590	1 095 521
Bulgaria (a)	*38 000	*45 000	*22 000	*26 000	...
Croatia	76 463	64 693	...	67 427	102 138
Czechoslovakia (a)	*696 200	—	—	—	—
Czech Republic	—	567 000	518 764	585 100	...
Faeroe Islands	16 680	10 644	17 758	20 000	...
Greenland	3 338	2 889	2 672	...	...
Hungary	432 247	431 306	464 159	434 814	627 327
Iceland	62 873	57 010	89 068	95 194	90 996
Malta	2 960	2 036	2 760	...	...
Moldova	...	...	31 372	39 502	...
Norway	578 360	618 282	735 202	692 406	675 715
Poland	18 925	12 507	19 210	31 273	...
Slovakia (a)	—	*34 000	*60 000	*20 000	...
Slovenia	56 776	53 100	58 008	78 400	...
Switzerland	3 170	2 941	3 037	1 267	4 000
Turkey	25 584	24 709	17 690	7 454	3 504
Yugoslavia, Federal Republic of	139 509	...	(a) *94 700	...	...
Benin	3 192	*3 000	*3 000	*3 000	...
Burundi	5 455	8 344	...	...	...
Central African Republic	4 000	3 000	*4 000	4 800	...
Congo	6 856	7 621	7 300	5 300	...
Mauritius	992	1 000	900	1 100	...
Morocco	2 776	600	638	700	...
Reunion	2 738	2 811	2 501	2 900	...
South Africa	63 606	193 000	108 461	153 413	...
Togo	*17 000	*17 000	*17 000	*17 000	...
Uganda	54 503	*55 000	*55 000	*55 000	...
Zimbabwe	46 477	61 043	59 893	67 181	...
Barbados	1 956	1 942	2 225	1 891	2 053
Belize	947	699	811	868	921
Canada	1 045 908	1 010 444	940 130	1 294 921	1 137 699
Costa Rica	235	7 117	7 237	6 397	...
Dominica	652	381	486	332	224
El Salvador	2 626	1 269	2 124	2 500	...
Guadeloupe	2 413	2 112	2 476	2 196	...
Guatemala	518	383	262	738	...
Jamaica	20 740	22 168	11 659	16 919	28 351
Martinique	2 377	2 578	2 494	2 394	...
Mexico	70 935	94 110	78 060	55 449	...
Netherlands Antilles	543	370	540	*500	...
Panama	1 303	1 081	2 619	806	...
St. Lucia	655	624	617	*600	...
St. Pierre & Miquelon	1 809	1 183	661	1 512	542
Trinidad & Tobago	14 395	9 646	5 800	17 664	...
USA	5 503 724	5 867 995	9 582 734	7 095 451	10 625 971
Brazil	55 325	83 089	12 228	79 890	...
Colombia	1 451	79 621	86 634	37 930	...
French Guiana	538	436	532	511	...
Paraguay	2 552	4 150	7 637	...	...
Suriname	2 177	2 362	2 014	...	...
Uruguay	51 504	87 288	61 432	45 051	...
Venezuela	117 947	285 832	111 595	130 568	...

Imports of Salt

tonnes

Country	1992	1993	1994	1995	1996
Abu Dhabi	1 188	3 392	1 727	2 196	2 604
Bahrain	...	3 284	3 500	...	...
Bangladesh (b)	363 487	42 592	...	...	...
China	37 608	4 984	5 390	8 243	3 671
Cyprus	9 468	8 844	7 687	7 462	8 099
Hong Kong	138 847	126 520	126 745	82 535	81 282
India (c)	18 317	18 518	16 335	20 654	...
Indonesia	320 446	488 246	587 829	590 504	...
Japan	7 686 928	7 344 495	7 457 918	8 063 196	7 725 601
Korea, Dem. P.R. of (a)	*81 000	*90 000	*8 000	*128 000	...
Korea, Republic of	1 421 948	1 504 489	1 493 466	1 644 014	1 841 069
Kuwait	4 994	8 499	9 659	574	...
Macao	2 726	...	2 379	2 207	...
Malaysia	171 808	191 812	226 699	...	...
Oman	12 934	6 815	3 392	...	...
Philippines	78 673	67 824	257 398	186 514	...
Qatar	3 726	5 529	5 600	5 600	...
Saudi Arabia	18 509	11 284	10 917	...	...
Singapore	65 871	73 852	74 129	72 877	65 382
Taiwan	943 998	887 048	788 231	893 861	...
Thailand	760	686	35 808	1 065	...
Australia	7 144	9 034	...	...	...
Fiji	4 100	2 700	7 600	5 000	...
New Caledonia	713	795	849	840	877
New Zealand (b)	23 487	52 038	76 433	108 173	...
Solomon Islands	1 500	926	1 517	...	...

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 30 June of that stated

(c) Years ended 31 March following that stated

Production of Sillimanite Minerals

tonnes

Country	1992	1993	1994	1995	1996
France					
Andalusite	*50 000	*45 000	*45 000	*45 000	*45 000
Spain					
Andalusite	*2 000	*1 000	*1 000	*1 000	*1 000
Czechoslovakia	*70 000	—	—	—	—
South Africa					
Andalusite	230 333	187 708	206 291	206 378	217 808
Sillimanite	632	569	525	317	100
Zimbabwe					
Kyanite	1 990	878	567	875	...
USA					
Kyanite (b)	*85 000	*85 000	*90 000	*90 000	*90 000
Brazil					
Kyanite (d)	440	*640	664	758	...
China (a)	9 721	7 564	7 036	2 183	8 513
India					
Kyanite	10 100	11 359	6 265	6 705	*7 000
Sillimanite	18 837	14 895	10 378	9 705	*10 000
Australia					
Kyanite	*800	*800	*800	*800	*800
Sillimanite (c)	*100	*100	*100	*100	*100

Note(s):

- (1) A number of other countries produce sillimanite minerals but details of output are not reported
- (2) In addition to the countries listed above as producing sillimanite minerals, synthetic mullite is known to be produced in Denmark, France, Hungary, Japan, former Yugoslavia, United Kingdom and the USA

- (a) Exports
- (b) Including related minerals
- (c) Excluding sillimanite clay
- (d) Including beneficiated and directly shipped material

Exports of Sillimanite Minerals

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Sillimanite minerals	3 007	8 655	5 057	7 858	7 917
Belgium-Luxembourg					
Sillimanite minerals	142	118	284	30	...
Denmark					
Sillimanite minerals	—	160	41	20	—
France					
Sillimanite minerals	46 641	30 105	47 887	54 301	...
Germany					
Sillimanite minerals	13 175	8 800	8 307	7 987	6 492
Italy					
Sillimanite minerals	403	722	322	...	...
Netherlands					
Sillimanite minerals	3 342	4 059	3 575	5 649	...
Sweden					
Sillimanite minerals	933	82	—	...	...
South Africa					
Andalusite	156 521	127 299	139 844	157 794	188 311
Sillimanite	480	560	678	182	34
USA					
Kyanite & related minerals	37 763	82 639	45 289	47 587	55 468
Japan					
Sillimanite minerals	6 903	6 757	5 255	10 112	6 529

Note(s):

- (1) In this table 'Sillimanite minerals' is understood to include any or all of andalusite, kyanite, sillimanite and mullite

Imports of Sillimanite Minerals

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Sillimanite minerals	35 391	38 050	39 487	56 289	52 673
Mullite	18 206	15 943	22 133	28 921	17 318
Austria					
Sillimanite minerals	2 775	2 409	3 346	3 486	3 256
Belgium-Luxembourg					
Sillimanite minerals	10 613	8 003	7 439	7 915	...
Denmark					
Sillimanite minerals	1 595	2 351	1 234	2 497	1 235
Finland					
Sillimanite minerals	1 420	2 081	1 134	826	...
France					
Sillimanite minerals	7 347	2 902	7 161	7 950	...
Germany					
Sillimanite minerals	101 634	72 224	89 765	80 570	47 939
Irish Republic	—	3 426	2 504	7 414	6 622
Italy					
Sillimanite minerals	21 897	21 728	20 631	...	...
Netherlands					
Sillimanite minerals	6 650	6 632	17 542	7 625	...
Spain					
Sillimanite minerals	12 916	19 170	17 115	15 224	...
Sweden					
Sillimanite minerals	1 978	2 806	2 713	...	...
Norway					
Sillimanite minerals	2 523	2 849	2 660	3 359	3 598
Poland					
Sillimanite minerals	9 424	10 485	14 004	20 581	...
Slovakia					
Sillimanite minerals (b)	—	*500	*400	*900	...
Switzerland					
Sillimanite minerals	402	475	363	359	452
Turkey					
Sillimanite minerals	...	5 426	7 101	8 161	2 063
Canada					
Sillimanite minerals	8 252	9 014	8 809	12 180	15 103
Mexico					
Sillimanite minerals	2 521	2 825	2 396	2 356	...
Mullite	2 615	2 569	2 521	2 433	...
USA					
Sillimanite minerals	7 550	12 992	7 872	8 298	18 682
Hong Kong					
Sillimanite minerals	157 360	97 381	28 151	65 704	20 918
Japan					
Sillimanite minerals	32 146	26 606	27 067	21 765	25 316
Mullite	8 595	6 304	6 148	2 746	4 049
Korea, Republic of					
Sillimanite minerals	6 356	9 120	10 582	13 611	11 646
Mullite	9 354	6 720	4 895	10 664	7 098
Taiwan					
Sillimanite minerals	4 953	5 077	6 580	5 613	...
Mullite	1 418	2 232	1 071	1 021	...
Australia					
Sillimanite minerals (a)	13 890	26 226	...	...	...

Note(s):

(1) In this table 'Sillimanite minerals' is understood to include any or all of andalusite, kyanite, sillimanite and mullite

(a) Years ended 30 June of that stated

(b) BGS estimates, based on known exports from certain countries

Mine Production of Silver

kilograms (metal content)

Country	1992	1993	1994	1995	1996
Finland	6 277	507	211	—	—
France	13 300	11 700	2 800	3 500	2 700
Germany	1 800	1 800	1 800	—	—
Greece	61 000	53 500	44 900	*33 000	16 100
Irish Republic	13 100	13 000	17 400	13 700	14 700
Italy	12 000	5 000	13 700	13 900	9 100
Portugal	39 454	36 000	31 800	38 600	33 700
Spain	206 185	158 394	136 233	123 615	65 878
Sweden	210 319	255 257	275 224	268 200	271 866
Bulgaria	*33 000	*30 000	*29 000	*30 000	*25 000
Croatia	*800	*500	637	75	—
Czechoslovakia	*20 000	—	—	—	—
Macedonia	16 393	8 650	12 978	*10 000	*10 000
Poland	798 000	767 000	1 064 000	1 113 600	*1 000 000
Romania	*17 000	*18 000	*18 000	*18 000	*18 000
Russia	535 600	496 600	490 000	480 000	*500 000
Turkey	92 000	64 000	*60 000	*60 000	60 900
Yugoslavia, Federal Republic of (a)	66 420	25 144	18 298	31 054	68 805
Algeria	*3 500	*3 000	*3 000	2 000	1 600
Congo, Democratic Republic	*35 000	*10 000	*1 000	0	—
Ghana	1 200	1 200	1 200	1 200	*1 200
Morocco	213 286	309 155	325 500	223 700	230 300
Namibia	89 000	71 671	62 224	65 847	42 000
South Africa	182 723	192 418	197 767	174 316	170 791
Tunisia	*1 000	*1 000	*1 000	*2 500	*1 500
Zambia	18 264	18 123	12 166	7 875	9 600
Zimbabwe	16 930	12 004	10 942	15 640	9 982
Canada	1 215 388	895 837	767 842	1 284 757	1 307 611
Dominican Republic	13 471	1 201	9 209	21 066	17 018
Honduras	35 353	24 171	27 634	30 202	36 378
Mexico	2 317 382	2 415 805	2 334 181	2 502 705	2 535 726
Nicaragua	2 271	2 358	2 628	*2 600	*2 400
USA	1 804 000	1 645 000	1 490 000	1 565 000	1 573 200
Argentina	45 374	42 744	38 032	47 783	50 399
Bolivia	282 350	332 768	352 083	425 053	384 384
Brazil	21 170	20 650	14 760	13 000	12 700
Chile	1 024 823	970 068	983 005	1 041 098	1 129 868
Colombia	8 292	7 328	5 898	5 913	6 591
Peru (b)	1 584 325	1 587 274	1 654 829	1 816 160	1 970 197
China	803 800	840 600	812 000	918 000	*918 000
India	47 000	51 000	50 200	38 100	35 600
Indonesia	99 904	90 285	107 026	265 212	254 893
Iran	*60 000	*50 000	*60 000	*60 000	*46 000
Japan	178 330	136 886	133 713	100 078	85 115
Kazakhstan	450 000	450 000	408 400	371 000	414 300
Korea, Dem. P.R. of	*280 000	*250 000	*200 000	*200 000	*200 000
Korea, Republic of	4 723	4 712	8 600	179	—
Malaysia	15 325	14 008	13 342	11 080	9 720
Mongolia	*18 000	*20 000	*21 000	*21 000	*21 000
Myanmar (a)	4 790	2 395	5 600	3 500	4 000
Oman	6 900	2 900	4 700	4 000	—
Philippines	32 785	28 043	29 562	26 870	24 300
Saudi Arabia	17 200	17 780	17 200	*17 500	*17 000
Thailand	*10 000	*11 000	*10 000	—	—
Uzbekistan	69 000	68 000	60 000	50 000	*50 000
Australia	1 218 000	1 152 000	1 045 000	939 000	1 020 000
Fiji	1 255	1 112	1 406	1 574	2 003
New Zealand	22 413	25 797	27 589	27 800	*30 000
Papua New Guinea	95 498	96 095	65 695	65 153	59 036
World total	14 493 000	13 821 000	13 593 000	14 606 000	14 781 000

(a) Smelter and/or refinery production

(b) Recoverable

Exports of Silver

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	1 516 073	2 205 005	2 125 135	2 156 844	3 172 617
Austria					
Metal	108 725	47 698	45 608	41 576	52 016
Belgium-Luxembourg					
Metal	1 545 299	923 450	1 160 816	1 403 148	...
Denmark					
Metal	34 579	19 712	13 565	13 133	56 957
of which: Re-exports	26 133	...	...	...	...
Finland					
Metal	26 000	45 000	26 000	18 000	...
France					
Metal	748 796	736 993	916 209	1 143 329	...
Waste & scrap	208 346	...	...	369 949	...
Germany					
Metal	1 107 127	1 258 687	1 223 059	1 375 651	1 020 727
Italy					
Metal	313 216	257 121	285 194	...	...
Netherlands					
Metal	82 069	79 976	84 515	59 438	...
Portugal					
Metal	7 000	2 397	...	...	86
Spain					
Metal	274 860	275 601	263 790	264 996	...
Sweden					
Metal	296 000	313 000	309 000	...	...
Bulgaria					
Metal (d)	*19 000	*83 600	*35 500	*21 300	...
Estonia					
Waste & scrap (d)	...	...	*78 200	...	...
Latvia					
Metal (d)	*1 000	*2 600	*1 200	*500	*100
Macedonia					
Metal (d)	...	*24 900	*5 600	*1 000	...
Norway					
Metal	54 832	55 992	77 286	77 178	106 519
Poland					
Ores & concentrates	380 000	392 000	85 000	—	...
Metal	751 000	661 000	979 000	903 000	870 000
Russia					
Metal (d)	*29 900	*25 600	...	*156 300	...
Waste & scrap (d)	...	...	*77 400	*775 000	...
Switzerland					
Metal	2 495 963	2 512 270	2 382 396	2 528 421	3 025 378
Yugoslavia, Federal Republic of					
Metal	11 000	...	...	...	...
Morocco					
Metal	£8 011 000	£13 387 000	£18 509 000	£24 000 000	...
Namibia					
Metal	90 000	72 000	62 000	66 848	42 704
South Africa					
Metal	181 493	166 019	178 525	149 447	131 999
Canada					
Ores & concentrates (e)	408 841	226 773	142 129	229 119	224 056
Metal	1 053 700	1 084 423	1 102 547	1 209 950	1 450 539
Dominican Republic					
Metal	13 471	1 201	9 209	21 066	17 100
Honduras					
Concentrates (e)	35 353	24 171	27 634	30 202	36 378
Mexico					
Ores & concentrates	2 864 110	1 917 997	104 514	370 650	...
Metal	1 552 000	1 293 864	1 262 115	...	...
USA					
Ores & concentrates (b)	8 505	2 269	196	741	1 544
Metal	1 430 485	1 320 188	1 558 883	3 703 425	3 534 291
Waste & scrap	769 187	850 899	1 151 138	1 573 549	1 273 699

Exports of Silver

kilograms

Country	1992	1993	1994	1995	1996
Bolivia					
Ores & concentrates	*1 487 000	2 744 608	2 204 297	2 627 661	*2 394 000
Metal	42 242	97 637	86 536	80 974	69 882
Brazil					
Metal	48 643	40 564	92 789	97 844	...
Chile					
Metal	697 638	602 047	624 149	640 119	729 475
Peru					
Metal	625 200	575 400	584 800	665 600	712 300
Venezuela					
Metal	47 336	57 296	80 839	...	...
China					
Metal	34 134	12 692	22 327	15 970	6 418
Hong Kong					
Metal	67 240	70 372	86 187	60 118	43 121
of which: Re-exports	65 307	69 918	85 999	59 617	42 781
Indonesia					
Metal	772	12 235	196 019	73 719	...
Japan					
Metal	421 234	214 059	222 401	206 058	217 256
Waste & scrap	2 849	19 418	12 274	14 158	110
Kazakhstan					
Metal	...	(d) *606 500	(d) *507 900	90 694	...
Korea, Dem. P.R. of					
Metal (d)	*12 300	*1 000	*600	*3 200	...
Korea, Republic of					
Metal	200 161	108 033	151 937	239 444	389 495
Malaysia					
Metal	1 074	13 354	18 010	...	...
Myanmar (c)					
Metal	2 244	...	...	...	...
Philippines					
Ores & concentrates (b)	18 185	555	629	652	...
Metal	19 889	47	41	14	...
Singapore					
Metal	258 126	258 208	566 727	1 503 166	1 790 424
of which: Re-exports	237 172	247 152	553 077	1 448 844	1 705 454
Taiwan					
Metal	1 619	3 664	4 979	12 088	...
Thailand					
Metal	272 482	107 595	13 646	4 645	...
Australia (a)					
Metal	250 203	234 035	220 000	186 000	236 000
New Zealand (a)					
Metal	1 208	762	3 727	931	1 413
Papua New Guinea					
Metal	95 498	96 095	...	...	...

Note(s):

- (1) This table excludes silver coin but includes silver shipped for minting
(2) In this table the term 'metal' includes both unwrought and partly worked silver and alloys

- (a) Years ended 30 June of that stated
(b) Ag content
(c) Years ended 31 March following that stated
(d) BGS estimates, based on known imports into certain countries
(e) Ag content of all ores and concentrates

Imports of Silver

kilograms

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	1 416 753	1 344 357	1 587 047	4 327 315	2 875 494
Austria					
Metal	128 352	103 657	153 157	93 864	80 321
Belgium-Luxembourg					
Ores & concentrates	—	490 100	272 100	354 000	...
Metal	1 324 264	1 442 804	1 734 875	2 718 609	...
Denmark					
Metal	93 481	110 757	113 409	148 611	135 017
Finland					
Metal	125 000	89 000	91 000	66 000	...
France					
Metal	922 167	1 216 241	1 175 202	1 724 937	...
Waste & scrap	100 352	...	...	200 600	...
Germany					
Metal	1 299 915	903 944	1 015 686	1 267 012	1 074 428
Greece					
Metal	95 438	86 000	...	...	...
Italy					
Ores & concentrates	—	374 600	460 800	239 274	...
Metal	2 746 293	881 936	801 245	...	...
Netherlands					
Metal	121 575	106 248	157 459	139 482	...
Portugal					
Metal	131 000	77 631	...	...	1 497
Spain					
Ores & concentrates	472 000	371 000	18 000	21 000	...
Metal	698 885	302 491	750 466	567 432	...
Sweden					
Metal	171 000	175 000	213 000	...	...
Bulgaria					
Metal (c)	*5 800	*10 500	*600	—	...
Croatia					
Metal	£338 000	£358 000	...	£312 000	£200 000
Czechoslovakia					
Metal (c)	*8 800	—	—	...	—
Czech Republic					
Metal (c)	—	*5 300	...	*17 200	...
Estonia					
Metal (c)	*16 100	*23 000	...	*1 400	...
Faeroe Islands					
Metal	152	...	...	...	...
Iceland					
Metal	604	392	471	497	633
Malta					
Metal	1 886	1 805	3 208	...	...
Norway					
Metal	82 522	80 638	95 821	125 114	119 114
Slovakia					
Metal (c)	—	*1 000	*1 400	*2 600	...
Slovenia					
Metal (c)	*3 900	*3 600	...	*6 400	...
Switzerland					
Metal	2 371 942	1 958 699	2 133 101	1 330 260	3 714 520
Turkey					
Metal (b)	12 887	13 660	12 317	47 473	43 586
Ukraine					
Metal (c)	...	*1 000	*60 000	*700	...
South Africa					
Metal	103 281	18 673	16 783	15 810	...
Tunisia					
Metal	...	...	8 579	...	...
Canada					
Ores & concentrates (d)	183 024	173 255	158 980	297 796	393 683
Metal	162 059	258 453	175 330	152 857	97 148

Silver

Imports of Silver

kilograms

Country	1992	1993	1994	1995	1996
Costa Rica					
Metal	877	1 298	327	283	...
Jamaica					
Metal	285	129	375	920	1 263
Panama					
Metal	1 709	2 396	3 807	2 316	...
Trinidad & Tobago					
Metal	464	...	...	...	...
USA					
Ores & concentrates	550 382	455 871	494 901	580 821	517 637
Metal	3 228 345	2 553 922	2 564 378	3 176 769	3 011 695
Waste & scrap	1 766 507	1 271 918	1 072 717	2 144 722	1 808 928
Argentina					
Metal	8 051	5 035	24 568	...	...
Brazil					
Metal	86 256	161 530	198 272	246 677	...
Chile					
Metal	512	1 713	758	590	826
Venezuela					
Metal	9 731	20 055	7 219	...	...
Abu Dhabi					
Metal	379	2 673	5 275	4 236	10 083
China					
Metal	307 138	46 271	47 891	59 250	87 086
Cyprus					
Metal	17 185	9 287	11 478	12 287	13 640
Hong Kong					
Metal	158 628	300 495	157 682	208 350	190 362
India (a)					
Metal	39 820	53 550	1 419 048	1 900 582	...
Indonesia					
Metal	4 606	1 098	11 399	850	...
Israel					
Metal (c)	*48 600	*52 800	*48 700	*35 000	...
Japan					
Ores & concentrates	1 107 000	—	5 116 000	10 301 000	14 918 000
Metal	769 392	664 953	1 153 245	1 360 605	1 493 522
Waste & scrap	319 682	504 810	685 257	764 498	...
Jordan					
Metal	519	23	27	...	...
Korea, Republic of					
Metal	276 343	236 023	302 527	439 064	451 261
Malaysia					
Metal	28 588	51 084	59 296	...	...
Philippines					
Metal	1 440	94	1 392	211	...
Saudi Arabia					
Metal	6 456	4 637	3 117	...	...
Singapore					
Metal	1 302 244	1 976 291	902 527	882 055	938 284
Taiwan					
Metal	219 673	163 450	214 059	271 686	...
Thailand					
Metal	1 394 380	1 479 155	7 460 876	874 972	...
Australia					
Metal	£20 907 000	£26 715 000	£25 320 000	£7 046 000	£5 514 000
New Zealand (e)					
Metal	28 667	41 850	51 946	46 072	...

Note(s):

(1) This table excludes silver coin but includes silver shipped for minting

(2) In this table the term 'metal' includes both unwrought and partly worked silver and alloys

(a) Years ended 31 March following that stated

(b) Including gilt

(c) BGS estimates, based on known exports from certain countries

(d) Ag content of all ores and concentrates

(e) Years ended 30 June of that stated

Production of Sulphur and Pyrites

tonnes (sulphur content)

Country		1992	1993	1994	1995	1996
United Kingdom						
Recovered (c)		53 900	61 900	72 000	62 300	44 700
Recovered (d)		177 000	202 000	162 000	140 000	132 000
Austria						
Recovered		16 883	16 952	15 766	10 500	*10 000
Belgium						
Recovered (c) (d)		350 000	303 000	302 000	347 000	363 000
Denmark						
Recovered (d)		6 982	10 357	7 131	8 050	7 461
Finland						
Pyrites (44%)		293 464	292 644	369 504	385 104	*425 000
Recovered (c)		218 000	217 000	216 000	215 000	291 000
Recovered (d)		37 319	32 162	41 109	36 906	38 000
France						
Recovered (d)		1 000 000	1 105 000	1 084 000	1 065 000	989 700
Germany						
Recovered (c)		23 021	33 450	*35 000	*30 000	*30 000
Recovered (d)		1 015 853	1 137 150	1 200 000	*1 200 000	*1 200 000
Recovered (e)		99 649	90 000	*90 000	*90 000	*90 000
Greece						
Pyrites (45%)		31 395	22 391	26 637	*25 000	...
Recovered (d)		141 000	109 000	109 000	109 000	127 000
Italy						
Pyrites (43%)		174 000	147 000	108 600	—	—
Recovered (d)		*290 000	*300 000	*300 000	*300 000	*300 000
Netherlands						
Recovered (c)		*125 000	*125 000	*125 000	*125 000	*125 000
Recovered (d)		*290 000	*290 000	*290 000	*300 000	*300 000
Portugal						
Pyrites (44%)		*5 000	*5 000	*5 000	*5 000	...
Recovered		*4 000	*4 000	*4 000	*4 000	...
Spain						
Pyrites (46%)		466 262	411 593	342 163	405 673	479 000
Recovered (c)		282 329	275 555	268 691	282 111	...
Recovered (d)		78 000	85 000	160 000	160 000	...
Sweden						
Pyrites (48%)		17 828	—	—	—	—
Recovered (c) (d)		*182 000	*165 000	*165 000	*165 000	*165 000
Sulphur ore		52 998	53 729	44 551	48 819	50 000
Bulgaria						
Pyrites (42%)		*60 000	*50 000	*50 000	*50 000	...
Recovered		*50 000	*50 000	*50 000	*50 000	...
Croatia						
Recovered (c) (d)		*2 000	*2 000	—	—	—
Czechoslovakia						
Pyrites (42%)		*50 000	—	—	—	—
Recovered		67 846	—	—	—	—
Sulphur ore		*6 000	—	—	—	—
Czech Republic						
Recovered		—	*20 000	*20 000	*20 000	*20 000
Hungary						
Pyrites		*900	*800	*800	*800	...
Recovered		26 709	28 552	30 890	28 799	29 000
Macedonia						
Recovered		*6 000	*6 000	*6 000	*6 000	...
Norway						
Pyrites (50%)		124 637	43 779	1 000	—	—
Recovered (c) (d)		*90 000	*90 000	*90 000	*90 000	*90 000
Poland						
Frasch (g)		3 493 500	1 865 000	2 129 000	2 391 000	1 744 700
Recovered (c)		*200 000	*200 000	*200 000	*200 000	*200 000
Recovered (d)		26 200	28 500	34 000	33 100	35 400
Romania						
Pyrites (42%)		385 000	225 000	147 985	96 652	49 116
Recovered		*200 000	*200 000	*200 000	*200 000	...

Production of Sulphur and Pyrites

tonnes (sulphur content)

Country	1992	1993	1994	1995	1996
Russia					
Recovered (c)	*250 000	*200 000	*150 000	*150 000	...
Recovered (d)	*1 800 000	*1 800 000	*1 600 000	*1 500 000	...
Sulphur ore	*100 000	*80 000	*80 000	*80 000	...
Turkey					
Pyrites (45%)	40 000	26 758	*27 000	*27 000	...
Recovered (d) (e)	22 000	26 000	*30 000	*31 000	...
Sulphur ore	22 700	17 400	16 673	*17 000	...
Ukraine					
Sulphur ore	*800 000	*400 000	300 000	200 000	168 000
Yugoslavia, Federal Republic of					
Pyrites (42%)	3 000	1 000	1 000	1 000	...
Recovered (c) (d)	*131 000	*111 000	*111 000	*111 000	...
Algeria					
Recovered (d)	*20 000	19 000	*20 000	20 000	20 000
Congo, Democratic Republic					
Recovered (c)	*11 000	*2 000	—	—	...
Egypt					
Recovered (d)	11 400	4 900	4 200	*4 000	4 000
Libya					
Recovered (d)	*14 000	*14 000	*14 000	*14 000	...
Namibia					
Pyrites (50%)	82 095	56 852	60 817	51 330	45 338
South Africa					
Pyrites (48%)	296 200	322 714	252 000	159 000	184 000
Recovered (c) (d) (h)	221 496	252 754	327 000	349 000	343 000
Zambia (f)					
Pyrites (42%)	29 497	33 364	27 648	25 143	33 000
Recovered (c)	78 200	80 800	49 000	61 000	41 000
Zimbabwe					
Pyrites (42%)	27 900	30 500	29 800	29 700	25 100
Recovered	*4 500	*4 000	*4 500	*4 500	...
Canada					
Recovered (c)	931 000	897 000	1 048 341	1 083 046	1 090 694
Recovered (d)	*7 000 000	7 552 000	7 974 838	7 934 945	8 235 873
Cuba					
Recovered (d)	*5 000	*5 000	*4 000	*5 000	*5 000
Mexico					
Frasch	709 767	101 660	...	...	...
Recovered (c)	302 000	311 000	300 000	359 000	359 000
Recovered (d)	775 216	810 000	876 000	883 000	921 000
Netherlands Antilles					
Recovered (d)	*25 000	52 041	23 821	24 410	23 921
Trinidad & Tobago					
Recovered (d)	*5 000	*5 000	*5 000	*5 000	*5 000
USA					
Pyrites (a) (40%)	3 000	3 000	...	...	...
Frasch	2 320 000	*2 300 000	2 960 000	*3 150 000	...
Recovered (c)	1 292 000	1 430 000	1 380 000	1 400 000	*1 500 000
Recovered (d)	7 048 000	*7 300 000	7 160 000	7 250 000	(i) 10 360 000
Argentina					
Recovered (c)	...	23 000	23 000	23 000	23 000
Brazil					
Pyrites	42 866	23 624	20 861	22 539	*20 000
Recovered (c)	184 057	183 529	182 638	170 942	171 000
Recovered (d)	58 513	58 582	53 256	41 951	*50 000
Chile					
Recovered (c)	306 000	378 000	523 000	588 000	587 000
Sulphur ore (b)	24 034	937	—	—	—
Colombia					
Recovered (d)	10 200	8 800	15 182	(g) 60 000	...
Sulphur ore	44 969	42 596	38 175	...	...
Ecuador					
Recovered (d)	*10 000	*10 000	*10 000	*10 000	*10 000
Sulphur ore	*4 000	*4 000	*4 000	*4 000	*4 000

Production of Sulphur and Pyrites

tonnes (sulphur content)

Country		1992	1993	1994	1995	1996
Peru						
Recovered (c)		*60 000	*60 000	*60 000	*60 000	*60 000
Venezuela						
Recovered (d)		155 000	135 000	158 000	180 000	250 000
Abu Dhabi						
Recovered (d)		*220 000	*249 000	*250 000	*255 000	...
Bahrain						
Recovered (d)		59 400	57 700	55 282	51 300	6 520
China						
Pyrites (45%)		4 500 000	5 329 000	5 181 000	5 933 000	5 893 000
Recovered		727 000	694 000	733 000	930 000	1 000 000
Sulphur ore		*320 000	261 800	285 000	403 000	400 000
India						
Pyrites (37%)		30 000	36 000	35 000	35 000	35 000
Recovered (c)		*116 000	*123 000	*177 000	*200 000	*200 000
Recovered (d)		26 000	31 000	*36 000	*35 000	*25 000
Indonesia						
Sulphur ore		*3 600	*3 500	*3 500	*3 500	*3 500
Iran						
Recovered (c)		*50 000	*50 000	*50 000	*50 000	...
Recovered (d)		*700 000	*750 000	*830 000	*840 000	*850 000
Iraq						
Frasch		*250 000	*250 000	*250 000	*250 000	350 000
Recovered (d)		*100 000	*200 000	*225 000	*225 000	...
Israel						
Recovered (d)		*60 000	*60 000	*60 000	*60 000	*60 000
Japan						
Pyrites (49%)		31 000	29 000	88 000	88 000	45 000
Recovered (c) (g)		1 370 000	1 380 000	1 392 000	1 434 000	1 409 000
Recovered (d)		1 340 000	1 511 000	1 626 000	1 682 000	1 791 000
Kazakhstan						
Recovered		*200 000	*225 000	*250 000	*255 000	...
Sulphur ore		*200 000	*150 000	*100 000	*90 000	...
Korea, Dem. P.R. of						
Pyrites (40%)		*185 000	*185 000	*105 000	*105 000	*105 000
Recovered (c)		*18 000	*18 000	*18 000	*18 000	*18 000
Korea, Republic of						
Recovered (c)		260 000	304 000	295 000	322 000	319 000
Recovered (d)		100 000	214 000	227 000	246 000	415 000
Kuwait						
Recovered (d)		2 370	2 400	2 300	2 200	...
Oman						
Recovered (d)		*40 000	*40 000	*40 000	*35 000	...
Pakistan						
Recovered		*26 000	*27 000	*27 000	*27 000	*27 000
Philippines						
Pyrites (46%)		64 000	114 000	*100 000	*100 000	*100 000
Recovered (c)		*111 000	*147 000	*125 000	*125 000	*125 000
Qatar						
Recovered (d)		68 000	72 000	62 000	48 000	46 000
Saudi Arabia						
Recovered (d)		1 630 000	1 550 000	1 630 000	1 650 000	1 750 000
Singapore						
Recovered (d)		*75 000	*75 000	100 000	178 000	185 000
Syria						
Recovered (d)		*30 000	*30 000	*30 000	30 000	30 000
Taiwan						
Recovered		118 621	153 076	154 778	167 468	181 600
Turkmenistan						
Sulphur ore		*300 000	*50 000	47 599	8 050	8 112
Australia						
Recovered (c)		295 000	299 000	275 000	263 000	327 000
Recovered (d)		75 000	85 000	115 000	27 000	27 000

Production of Sulphur and Pyrites

tonnes (sulphur content)

Country	1992	1993	1994	1995	1996
Total Pyrites	6 900 000	7 400 000	7 000 000	7 500 000	7 500 000
Total Frasch	6 800 000	4 500 000	5 400 000	5 900 000	5 300 000
Total Recovered	33 600 000	35 300 000	36 200 000	36 400 000	40 500 000
Total Sulphur ore	1 900 000	1 100 000	900 000	900 000	800 000
World total (all forms)	49 200 000	48 300 000	49 500 000	50 700 000	54 100 000

Note(s):

(1) Pyrites: nominal sulphur content is shown in parentheses

(a) Including hydrogen sulphide and liquid sulphur dioxide

(b) Including caliche at 45% S content

(c) From smelter gases

(d) From petroleum refining and/or natural gas

(e) Other

(f) Years ended 31 March following that stated

(g) Including S content of sulphur ore

(h) Including production from synthetic fuels

(i) Including fransch

Exports of Sulphur and Pyrites

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Sulphur					
Crude	6 191	2 692	1 968	2 710	1 946
Sublimed & precipitated	1 640	2 888	2 568	1 824	4 965
Austria					
Sulphur					
Crude	332	115	227	*200	...
Sublimed & precipitated	4 385	15 441	13 468	13 474	12 679
Belgium-Luxembourg					
Pyrites	3 139	1 080	413	1 989	1 673
Sulphur					
Crude	21 092	11 929	12 510	12 058	16 689
Sublimed & precipitated	49	178	2	958	138
Denmark					
Sulphur	5 798	4 958	7 684	762	3 958
Finland					
Pyrites (c)	*290 600	*309 200	*483 800	*502 100	*443 700
France					
Sulphur					
Crude	464 021	473 714	618 777	595 621	...
Refined	8 872	3 704	11 499	9 860	...
Sublimed & precipitated	426	961	656	490	...
Germany					
Pyrites	82 164	2 857	585	739	614
Sulphur					
Crude	728 018	787 716	795 331	799 272	969 409
Sublimed & precipitated	365	1 068	947	366	380
Greece					
Sulphur	5 938	187	252	28	...
Italy					
Pyrites	12 170	7 160	7 704	7 404	...
Sulphur					
Crude	69 163	56 968	112 083	67 311	...
Sublimed & precipitated	592	2 099	1 375	481	...
Netherlands					
Sulphur	171 957	165 120	166 723	186 334	230 678
Spain					
Pyrites	20 953	37 195	4 841	42 837	...
Sulphur					
Crude	40 367	12 814	18 734	36 896	...
Sublimed & precipitated	334	1 261	1 054	1 446	...
Sweden					
Sulphur					
Crude	39 468	20 442	527	1 436	568
Sublimed & precipitated	246	150	—	30	...
Hungary					
Sulphur					
Crude	47	2 128	...	...	...
Sublimed & precipitated	15 393	13 215	12 957	5 097	9 333
Norway					
Pyrites	—	—	—	2 395	—
Sulphur					
Crude	—	152	4 417	348	49
Sublimed & precipitated	6 361	8 359	2 670	6 216	10 264
Poland					
Sulphur	2 627 194	2 293 560	1 813 468	1 643 505	1 302 430
Russia					
Sulphur (c)	...	...	*258 000	*345 000	...
Switzerland					
Sulphur	15 793	219	16 571	1 854	1 314
Ukraine					
Sulphur (c)	...	...	*40 000	*43 000	...
Yugoslavia, Federal Republic of					
Pyrites	4 313	...	...	...	...
Namibia					
Pyrites	0	0	4 116	62 158	3 106

Exports of Sulphur and Pyrites

tonnes

Country	1992	1993	1994	1995	1996
South Africa					
Sulphur	17 444	4 607	2 508	6 739	35 354
Canada					
Sulphur	5 653 525	4 193 886	4 983 257	6 077 430	6 026 327
Mexico					
Sulphur	1 013 318	577 956	539 053	531 605	508 900
Netherlands Antilles					
Sulphur	*25 000	52 041	23 821	24 410	23 921
USA					
Sulphur					
Crude	735 080	506 989	530 770	548 249	496 566
Refined	51 175	33 292	114 396	254 050	102 897
Sublimed & precipitated	180 447	120 346	236 837	109 725	168 335
Colombia					
Sulphur	1 796	1 680	2 258	1 378	...
Venezuela					
Sulphur	673	560	280	1 105	...
Bahrain					
Sulphur	...	25 611	...	...	...
China					
Pyrites	146 969	1 496	23 835	13 243	30 317
Sulphur					
Crude	804	3 459	4 811	7 884	1 380
Sublimed & precipitated	318	289	1 319	616	503
Iran (a)					
Sulphur					
Sublimed & precipitated	222 444	362 832	403 050	...	...
Japan					
Sulphur					
Crude	390 306	408 502	748 273	645 174	716 155
Sublimed & precipitated	1 848	1 899	2 013	1 682	1 232
Korea, Republic of					
Sulphur					
Crude	4 966	16 225	27 942	55 276	103 412
Sublimed & precipitated	634	3 028	606	661	6
Kuwait					
Sulphur	35 000	225 095	467 924	553 000	...
Qatar					
Sulphur	68 397	63 531	59 000	53 900	...
Saudi Arabia					
Sulphur					
Crude	599 915	862 800	14 223	...	...
Sublimed & precipitated	179 563	...	4 558	...	...
Singapore					
Sulphur					
Crude	1 791	462 703	34 971	45 329	74 178
Sublimed & precipitated	38 448	34 814	27 261	34 145	57 845
Taiwan					
Sulphur					
Crude	312	11 225	15 633	1 906	...
Sublimed & precipitated	161	225	372	489	...
Thailand					
Sulphur	343	419	506	583	...
Australia (b)					
Sulphur	30 812	2 996	...	...	...

(a) Years ended 20 March following that stated

(b) Years ended 30 June of that stated

(c) BGS estimates, based on known imports into certain countries

Imports of Sulphur and Pyrites

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Pyrites	268	1 295	3 414	1 103	99
Sulphur					
Crude	359 210	274 607	322 147	298 913	245 746
Sublimed & precipitated	203	2 858	999	1 100	547
Austria					
Pyrites	702	625	661	866	570
Sulphur					
Crude	59 141	38 565	20 745	...	...
Sublimed & precipitated	349	13 458	28 552	33 723	26 989
Belgium-Luxembourg					
Pyrites	6 501	229	16 911	209	107
Sulphur					
Crude	476 805	303 109	349 820	431 608	309 658
Sublimed & precipitated	54	21 286	11 253	5 485	1 956
Denmark					
Sulphur					
Crude	27 182	23 181	31 898	38 052	21 834
Sublimed & precipitated	15	909	30	78	33
Finland					
Sulphur	811	16 152	33 449	17 601	...
France					
Pyrites	1 243	712	7 151	7 318	...
Sulphur					
Crude	263 261	197 420	89 672	114 446	...
Refined	28 840	76 906	281 919	32 921	...
Sublimed & precipitated	647	962	1 065	2 571	...
Germany					
Pyrites	103 683	105 380	175 226	153 831	163 293
Sulphur					
Crude	37 551	39 242	28 696	44 869	29 552
Sublimed & precipitated	547	462	1 120	1 023	883
Greece					
Sulphur					
Crude	77 541	96 167	79 682	158 068	...
Sublimed & precipitated	139	156	329	360	...
Irish Republic					
Sulphur					
Crude	2 170	156	115	376	147
Sublimed & precipitated	3	8	9	66	43
Italy					
Pyrites	7 413	9 776	11 769	20 934	...
Sulphur					
Crude	152 293	80 257	144 131	293 265	...
Sublimed & precipitated	677	58	100	127	...
Netherlands					
Pyrites	390	268	228	314	212
Sulphur					
Crude	119 538	72 047	36 605	103 609	94 201
Sublimed & precipitated	142	374	225	2 195	756
Portugal					
Sulphur	10 049	10 900	12 489	...	7 322
Spain					
Sulphur					
Crude	53 895	97 012	105 977	72 463	...
Sublimed & precipitated	98	1 257	1 600	1 192	...
Sweden					
Pyrites	134 855	190	342	335	293
Sulphur					
Crude	16 538	106 487	106 169	106 403	90 214
Sublimed & precipitated	6 921	449	395	383	1 074
Bulgaria					
Sulphur	47 000	—	20 000	2 000	...
Croatia					
Sulphur					
Crude	222 879	47 138	52 400	80 825	82 022
Sublimed & precipitated	504	280	...	167	162

Imports of Sulphur and Pyrites

tonnes

Country	1992	1993	1994	1995	1996
Czechoslovakia					
Sulphur	138 982	—	—	—	—
Czech Republic					
Sulphur	—	48 482	87 613	104 700	...
Hungary					
Sulphur	19 616	12 397	9 295	20 056	11 526
Norway					
Pyrites	14 373	146 451	251 611	253 343	245 043
Sulphur					
Crude	2 174	1 796	633	862	399
Sublimed & precipitated	476	127	32	21	8
Poland					
Sulphur	14 668	28 346	16 406	953	1 274
Romania					
Sulphur					
Crude	116 216	107 328	45 932	103 627	60 166
Sublimed & precipitated	50	13 864	568	80	2
Russia					
Sulphur	50 334	770	...	(a) *18 200	...
Slovakia					
Sulphur	—	27 977	(a) *17 500	12 700	...
Slovenia					
Sulphur	41 931	34 818	45 623	41 400	...
Switzerland					
Pyrites	203	247	244	240	214
Sulphur					
Crude	30 020	27 657	33 681	38 978	38 563
Sublimed & precipitated	128	14	47	22	75
Turkey					
Pyrites	11 825	115	64	24 185	26 210
Sulphur					
Crude	148 182	170 067	136 819	87 321	116 619
Sublimed & precipitated	352	91	181	106	94
Yugoslavia, Federal Republic of					
Sulphur					
Crude	5 693	*3 000	*3 000	*3 000	...
Refined	1 018	...	...	...	...
Sublimed & precipitated	41	...	...	...	...
Algeria					
Sulphur	74 028	67 000	61 751	*55 000	...
Egypt					
Sulphur	210 761	81 293	40 214	131 400	...
Gabon					
Sulphur	2 000	2 000	1 000	1 500	...
Kenya					
Sulphur	7 247	600	*1 000	*1 000	...
Morocco					
Sulphur	2 650 700	2 588 000	2 654 000	2 836 500	...
Niger					
Sulphur	20 000	24 000	26 800	18 200	...
Nigeria					
Sulphur	*1 000	*1 000	*1 000	*1 000	...
Senegal					
Sulphur	200 000	235 000	261 200	348 300	...
South Africa					
Sulphur					
Crude	249 858	401 084	296 762	601 692	...
Sublimed & precipitated	...	385	67 733	644	...
Tunisia					
Sulphur	1 414 761	1 270 000	1 454 782	1 491 800	...
Zimbabwe					
Sulphur	17 324	26 069	23 468	34 845	...
Canada					
Pyrites	9 475	9 594	11 339	15 873	14 382
Sulphur					
Crude	8 645	7 532	3 123	25 593	24 386
Sublimed & precipitated	948	1 061	1 280	1 756	1 040

Imports of Sulphur and Pyrites

tonnes

Country	1992	1993	1994	1995	1996
Cuba					
Sulphur	*80 000	*100 000	*50 000	*35 000	...
El Salvador					
Sulphur	2 802	493	4 711	5 200	...
Guatemala					
Sulphur	2 379	1 938	1 113	1 845	...
Jamaica					
Sulphur	6 031	6 055	3 334	9 203	...
Mexico					
Sulphur					
Crude	249 000	122 908	201 333	570 287	*600 000
Sublimed & precipitated	843	376	481	342	...
USA					
Pyrites	198	870	1 839	296	...
Sulphur					
Crude	2 648 624	2 041 704	1 625 028	2 198 669	1 624 295
Sublimed & precipitated	428	377	344	240	252
Argentina					
Sulphur	55 509	68 051	78 914	105 512	92 900
Brazil					
Sulphur	861 660	1 088 919	1 266 475	1 253 748	1 277 700
Chile					
Sulphur	32 749	37 019	43 365	25 746	20 375
Colombia					
Sulphur	43 639	45 253	41 013	36 898	32 800
Ecuador					
Sulphur	133	42	3 092	1 604	...
Paraguay					
Sulphur	1 698	697	1 418	200	...
Peru					
Sulphur	3 480	6 687	4 013	3 538	...
Suriname					
Sulphur	*1 000	*1 000	...	...	...
Uruguay					
Sulphur	12 600	13 773	13 186	4 500	20 700
Venezuela					
Sulphur	192	198	113	163	...
Bangladesh (b)					
Sulphur	33 746	27 007	...	...	...
China					
Sulphur					
Crude	460	21 373	78 809	53 000	467 293
Sublimed & precipitated	44 605	68 341	99 457	138 838	342 994
Cyprus					
Sulphur	1 190	2 384	601 660	1 504	1 491
Hong Kong					
Sulphur					
Crude	444	61 313	22 712	30 531	163
Sublimed	614	1 350	637	569	561
India (c)					
Sulphur					
Crude	1 398 379	1 264 367	1 600 570	1 543 002	...
Sublimed & precipitated	1 374	1 427	1 117	1 015	...
Indonesia					
Sulphur					
Crude	188 667	193 875	320 566	291 781	...
Sublimed & precipitated	140 785	32 762	44 793	38 213	...
Israel					
Sulphur	44 386	...	(a) *32 500	(a) *220 200	...
Japan					
Pyrites	303 426	164 996	167 395	114 878	48 469
Sulphur	726	345	854	610	705
Jordan					
Sulphur					
Crude	64 811	182 153	305 911	...	...
Sublimed & precipitated	50 884	40	—	...	...

Imports of Sulphur and Pyrites

tonnes

Country	1992	1993	1994	1995	1996
Korea, Republic of					
Sulphur					
Crude	532 189	391 641	439 129	441 343	343 058
Sublimed & precipitated	1 897	1 496	207	216	232
Malaysia					
Sulphur					
Crude	24 505	28 976	29 088	38 700	...
Sublimed & precipitated	9 040	7 059	11 508	...	...
Pakistan (b)					
Sulphur	34 550	36 461	32 737	...	...
Philippines					
Sulphur					
Crude	8 068	17 355	38 977	149 446	...
Sublimed & precipitated	17 042	5 716	937	145	...
Singapore					
Sulphur					
Crude	346	126	117	138	6 582
Sublimed & precipitated	207	130	138	66	81
Sri Lanka					
Sulphur					
Crude	735	17 716	865	1 202	...
Sublimed & precipitated	323	1 323	1 142	1 222	...
Taiwan					
Sulphur					
Crude	40 687	30 758	10 935	8 873	...
Sublimed & precipitated	82 083	137 942	169 193	178 335	...
Thailand					
Sulphur					
Crude	31 680	78 769	25 270	4 787	...
Refined	57 391	35 237	47 081	43 727	...
Sublimed & precipitated	174	187	230	406	...
Australia					
Sulphur	97 000	72 000	92 000	...	...
New Zealand (b)					
Sulphur					
Crude	122 411	188 781	214 513	219 978	...
Sublimed & precipitated	125	293	255	70	...

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 30 June of that stated

(c) Years ended 31 March following that stated

Production of Talc

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	5 216	5 317	5 275	4 298	5 338
Austria	145 664	136 640	130 602	131 614	152 645
Finland	322 859	347 859	395 297	405 025	345 282
France	350 500	299 900	306 400	322 400	320 000
Germany	23 509	21 152	20 223	17 722	10 005
Greece	2 240	1 050	400	*400	*400
Italy	183 830	142 000	139 200	136 000	168 000
Portugal	9 166	9 349	8 367	*8 400	*8 400
Spain	64 575	58 444	80 606	89 000	...
Sweden	*10 000	20 000	25 000	28 000	25 000
Macedonia	*15 000	*10 000	*10 000	*10 000	*10 000
Norway	*60 000	*50 000	*28 000	*30 000	*30 000
Romania	6 330	9 000	8 952	9 976	10 248
Russia	*150 000	131 688	*100 000	*100 000	*100 000
Turkey	3 281	*4 000	*4 000	*4 000	*4 000
Egypt (d)	8 319	4 746	4 125	15 356	33 649
South Africa					
Talc	10 266	8 798	8 202	15 841	15 494
Wonderstone (pyrophyllite)	3 053	4 287	5 507	5 519	2 123
Zimbabwe	2 203	1 349	2 049	2 080	*2 100
Canada	104 000	108 000	130 000	104 000	78 000
Mexico	19 559	14 376	14 900	11 134	10 100
USA					
Talc	997 268	968 000	935 000	1 060 000	994 000
Argentina					
Talc	21 580	18 084	16 850	17 600	*17 000
Pyrophyllite	3 020	1 962	1 996	4 189	...
Brazil					
Talc (b)	286 000	289 803	356 823	254 919	*250 000
Agalmatolite (b)	*110 000	115 615	*110 000	115 550	*110 000
Pyrophyllite (b)	144 000	160 000	148 000	150 000	*150 000
Chile	1 493	5 058	5 351	4 107	*5 000
Colombia	13 340	19 550	18 000	19 248	*20 000
Peru	*10 000	*10 000	19 974	13 818	12 985
Uruguay	1 052	1 020	913	863	898
Venezuela	*32 000	*32 000	*32 000	*32 000	...
Bhutan	—	—	169	3 332	*3 500
China	*2 650 000	*2 700 000	*2 400 000	*2 400 000	*2 400 000
India					
Pyrophyllite	79 197	82 269	85 335	131 137	*130 000
Steatite	368 003	385 121	398 006	*439 509	*450 000
Iran (a)	23 707	18 000	29 226	9 052	...
Japan					
Talc	61 120	57 000	56 000	57 000	56 000
Pyrophyllite	771 078	732 000	660 000	649 000	618 000
Korea, Dem. P.R. of	*170 000	*180 000	*180 000	*180 000	*180 000
Korea, Republic of					
Talc	149 862	53 923	35 340	29 364	19 066
Pyrophyllite	602 580	644 890	707 951	789 994	780 062
Nepal (c)	3 820	1 340	*1 500	*1 500	*1 500
Pakistan	23 676	46 846	37 151	35 043	34 095
Taiwan	6 085	5 015	4 290	3 500	1 500
Thailand					
Talc	4 786	7 007	8 950	4 352	*4 000
Pyrophyllite	34 638	43 404	55 326	76 189	*75 000
Australia (d)					
Talc	179 678	172 273	*170 000	*170 000	*200 000
Pyrophyllite	1 260	1 175	*1 000	*1 000	*1 000
World total	8 200 000	8 100 000	7 900 000	8 100 000	8 000 000

(a) Years ended 20 March following that stated

(b) Including beneficiated and directly shipped material

(c) Years ended 15 July of that stated

(d) Years ended 30 June of that stated

Exports of Talc

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	2 078	3 604	5 596	3 341	3 207
Austria	130 156	125 146	129 944	142 245	145 925
Belgium-Luxembourg	56 875	51 183	61 973	70 990	62 971
Finland (a)	*90 600	*111 700	*174 400	*186 500	...
France	159 058	128 622	144 106	160 024	...
Germany	5 350	5 269	4 860	5 108	6 102
Greece	273	23	22	...	...
Italy	46 260	50 543	61 071	65 867	...
Netherlands	27 088	42 134	51 942	56 045	50 889
Spain	9 571	11 891	35 203	40 710	...
Sweden	20 553	20 552	21 857	20 396	23 077
Czechoslovakia (a)	*8 400	—	—	—	—
Norway	35 562	35 132	35 835	36 142	35 800
Switzerland	252	499	403	274	577
Turkey	169	220	277	59	87
Canada	32 214	29 194	31 694	30 028	25 963
USA	176 795	145 208	165 180	191 585	198 969
Brazil	1 547	2 012	2 534	3 145	...
China	1 048 450	1 063 926	1 243 396	1 600 326	1 023 901
Hong Kong (c)	26 984	13 803	7 372	12 581	10 238
India (b)	16 551	13 028	27 783	30 410	...
Japan	4 012	4 171	5 210	7 258	7 097
Korea, Dem. P.R. of (a)	*13 600	*10 400	...	...	...
Korea, Republic of					
Talc	9 011	806	1 622	1 782	2 638
Pyrophyllite	216 759	223 593	247 285	254 595	226 170
Singapore	1 857	2 988	4 391	3 399	2 754
of which: Re-exports	1 811	2 875	4 356	3 375	2 744
Taiwan	681	1 988	1 912	4 084	...
Thailand	2 090	3 088	7 324	5 328	...
Australia (d)	152 007	119 828	...	...	...

(a) BGS estimates, based on known imports into certain countries

(b) Years ended 31 March following that stated

(c) Re-exports

(d) Years ended 30 June of that stated

Imports of Talc

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	84 826	127 484	69 972	68 839	71 009
Austria	12 341	12 599	15 262	15 101	24 123
Belgium-Luxembourg	108 598	113 170	60 385	72 139	73 415
Denmark	11 748	10 973	11 424	8 919	9 208
Finland	412	962	272	336	...
France	24 589	24 337	44 958	35 031	...
Germany	234 114	239 743	237 139	241 536	226 138
Greece	3 134	4 106	3 851	5 658	...
Irish Republic	1 100	1 037	1 475	3 070	1 354
Italy	39 667	43 685	55 982	48 625	...
Netherlands	83 187	73 020	163 585	141 160	134 954
Portugal	11 525	9 308	11 178	10 396	12 921
Spain	37 196	31 381	32 938	35 899	...
Sweden	26 309	24 797	24 969	26 598	24 718
Croatia	674	593	...	813	975
Czechoslovakia (a)	*300	—	—	—	—
Czech Republic (a)	—	*4 500	*2 200	*3 000	...
Hungary	3 439	...	...	...	...
Norway	14 844	21 023	18 544	15 576	16 478
Poland	15 450	18 595	19 080	22 734	...
Russia (a)	*8 700	*5 100	...	*2 000	...
Switzerland	12 471	12 458	14 256	12 893	13 263
Turkey	1 441	2 032	1 962	3 237	4 762
Yugoslavia, Federal Republic of	1 020	...	...	(a) *300	...
Egypt	2 188	2 228	...	...	...
Morocco	2 175	...	...	...	...
South Africa	5 303	6 723	5 666	7 365	...
Tunisia	2 058	...	2 323	...	...
Canada	47 351	47 973	52 925	51 143	58 304
Costa Rica	1 616	1 304	1 400	...	...
El Salvador	745	373	649	...	...
Guatemala	524	449	220	395	...
Honduras	166	335	87	142	...
Jamaica	633	663	688	548	527
Mexico	103 290	103 017	118 376	100 216	...
Panama	657	789	859	896	...
Trinidad & Tobago	524	757	594	...	...
USA	76 010	97 535	152 475	142 886	179 738
Argentina	1 825	1 062	1 745	2 670	...
Brazil	2 494	1 702	2 722	5 404	...
Chile	3 580	3 851	4 279	4 773	6 620
Colombia	2 375	2 934	3 562	4 042	...
Ecuador	762	654	1 356	1 860	...
Peru	628	397	1 151	1 058	...
Venezuela	14 671	5 071	9 098	11 180	...
China	1 376	2 189	3 560	5 051	5 362
Cyprus	419	207	245	295	227
Hong Kong	24 043	16 658	12 879	14 481	6 369
Indonesia	39 567	59 610	58 327	88 146	...
Israel (a)	*1 700	*2 400	*1 200	*1 500	...
Japan	629 347	588 777	601 793	720 901	567 721
Jordan	1 685	1 731	2 061	...	...
Korea, Republic of	203 615	264 258	310 952	390 567	276 323
Malaysia	27 750	25 526	15 289	...	...
Pakistan (b)	1 025	7 858	8 503	...	...
Philippines	9 618	18 971	18 704	20 786	...
Saudi Arabia	6 458	7 965	8 132	...	...
Singapore	9 909	11 700	15 662	13 588	11 701
Sri Lanka	2 020	1 836	1 854	1 959	...
Syria	3 032	1 004	...	16 427	...
Taiwan	103 818	151 026	180 200	165 906	...
Thailand	47 798	57 374	49 334	58 078	...

Talc

Imports of Talc

tonnes

Country	1992	1993	1994	1995	1996
Australia (b)	562	628	...	...	...
New Zealand (b)	1 436	1 892	1 970	3 354	...

(a) BGS estimates, based on known exports from certain countries

(b) Years ended 30 June of that stated

Production of Tantalum and Niobium Minerals

tonnes

Country		1992	1993	1994	1995	1996
Spain						
Tantalite	(- ,25%)	*8	*6	*5	*5	...
Congo, Democratic Republic						
Columbite-tantalite	(27%,27%)	29	20	—	—	—
Nigeria						
Columbite	(43%, 6%)	38	17	17	37	...
Rwanda						
Columbite-tantalite	(30%,23%)	*100	*100	6	72	99
Zimbabwe						
Columbite-tantalite	(11%,28%)	94	48	7	...	...
Canada						
Pyrochlore	(42%, -)	5 500	5 700	5 600	5 800	5 700
Tantalite	(3%,30%)	160	103	67	67	190
Brazil						
Pyrochlore	(42%, -)	30 528	34 065	33 545	39 989	39 100
Columbite-tantalite	(20%,30%)	*200	*175	*175	*175	*190
Djalmaite	(1%,50%)	15	11	37	21	...
Malaysia						
Struverite	(- ,10%)	397	1 077	277	127	265
Australia						
Columbite-tantalite	(20%,33%)	925	313	240	361	538
World total concentrates		38 000	41 600	40 000	46 700	46 200
Nb content		*15 400	*16 800	*16 500	*19 400	*19 000
Ta content		*520	*350	*200	*240	*360

Note(s):

- (1) Niobium and tantalum minerals are believed to be produced also in the former Soviet Union and China, and minor quantities in Argentina, Burundi, French Guiana, Namibia and Zambia
- (2) The figures in this table refer to gross tonnage of tantalum and niobium concentrates
- (3) Estimated average niobium and tantalum contents are given in the form (Nb%,Ta%) for each country and each mineral, relating where possible to the later years
- (4) Niobium and tantalum are also recovered from tin slags. This source is particularly important in the case of tantalum and in recent years is believed to have accounted for over 60% of all tantalum recovered
- (5) No detailed information on the production of tantalum bearing tin slags is available but the major producers are Thailand and Malaysia, with small amounts from Australia, Brazil, Nigeria, Portugal, South Africa and Zaire

Exports of Tantalum and Niobium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Tantalum	134	122	149	244	319
Austria					
Tantalum	48	39	29	43	36
France					
Tantalum	43	32	78	108	...
Germany					
Niobium & tantalum ores	133	407	135	39	109
Tantalum	83	131	167	153	141
Italy					
Tantalum	7	6	194	12	...
Rwanda					
Columbite & tantalite	170	171	49	137	138
Canada					
Niobium & tantalum ores (a)	4 113	3 982	4 399	1 610	40
USA					
Tantalum ores & concentrates	17	12	23	1	53
Tantalum	227	298	290	324	372
Brazil					
Columbite-tantalite	70	116	172	200	...
Japan					
Tantalum	44	90	85	108	173
Malaysia					
Columbite & tantalite	150	40	200	5	...
Tin slags	—	126	3 442	597	...
Singapore					
Tin slags	981	265	136	126	60
of which: Re-exports	652	0	40	15	—
Taiwan					
Tantalum	19	3	35	15	...
Thailand					
Tantalum ores & concentrates	111	100	266	824	...
Australia (b)					
Columbite-tantalite	468	320	...	...	...
Tantalum	207	131	...	...	...

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) May include vanadium ores

(b) Years ended 30 June of that stated

Imports of Tantalum and Niobium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Niobium & tantalum ores	1 957	321	0	1	—
Tantalum	418	530	620	908	967
Austria					
Tantalum	53	33	37	57	49
France					
Tantalum	39	43	81	67	...
Germany					
Tantalum	137	467	213	179	169
Italy					
Tantalum	3	35	1	2	...
USA					
Tantalum concentrates	1 368	1 324	1 089	1 042	1 109
Niobium concentrates	2 428	2 348	3 080	1 039	224
Tantalum	108	177	341	529	480
Niobium	1	111	171	259	341
Japan					
Niobium ores & concentrates	1 169	2 045	1 480	81	2
Tantalum	61	61	78	129	186

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

Mine Production of Tin

tonnes (metal content)

Country	1992	1993	1994	1995	1996
United Kingdom	2 044	2 232	1 922	1 972	2 103
Portugal	3 011	5 334	4 330	4 626	4 800
Russia	15 200	13 100	10 500	9 000	7 500
Congo, Democratic Republic	700	700	1 000	1 000	—
Nigeria	108	175	208	203	—
Rwanda	735	600	20	198	209
South Africa	592	452	43	—	—
Zimbabwe	716	657	82	—	—
USA	*100	*100	—	—	—
Bolivia	16 516	18 634	16 027	14 419	14 802
Brazil	27 500	27 000	22 500	20 767	23 178
Peru (a)	10 195	13 687	20 275	22 331	26 700
China	43 800	46 600	54 100	61 900	69 700
Indonesia	29 389	28 585	31 100	38 378	51 024
Kazakhstan	*100	*100	14	4	...
Laos	580	504	773	268	*200
Malaysia	14 339	10 384	6 458	6 402	5 174
Mongolia	100	100	53	59	*100
Myanmar	*500	*600	800	700	*400
Thailand	8 277	4 586	2 830	1 586	1 400
Vietnam	3 400	3 500	*4 000	4 500	*4 000
Australia	6 609	8 057	7 400	8 656	8 824
World total	185 000	186 000	184 000	197 000	220 000

(a) Recoverable

Smelter Production of Tin

tonnes

Country	1992	1993	1994	1995	1996
Portugal	100	100	100	100	—
Spain	2 400	2 000	200	—	—
Russia	25 800	14 500	12 200	12 000	12 300
Nigeria	400	300	200	200	*300
South Africa	600	500	100	—	—
Zimbabwe	716	658	82	—	—
Mexico	2 594	1 644	768	414	1 234
Argentina	130	29	—	—	—
Bolivia (a)	14 393	18 551	20 019	17 709	16 733
Brazil	27 000	26 900	20 400	16 775	18 800
China	39 600	51 600	67 800	67 700	71 500
Indonesia	28 151	30 415	31 100	44 200	49 000
Japan	821	804	706	630	524
Korea, Republic of	400	400	300	300	*300
Malaysia	45 598	40 079	37 990	39 443	38 051
Myanmar	189	170	*200	*190	100
Thailand	10 679	8 099	7 759	8 243	11 000
Vietnam	3 727	2 345	2 300	2 300	*2 300
Australia	240	222	320	570	460
World total	204 000	199 000	203 000	211 000	223 000

(a) Refined, including alloys

Exports of Tin

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Concentrates	3 516	4 437	3 525	3 256	3 667
Unwrought	242	423	1 123	2 689	568
Unwrought alloys	628	1 763	1 481	1 455	1 667
Scrap	798	1 004	1 403	1 389	4 246
Belgium-Luxembourg					
Unwrought	5 589	6 074	5 156	5 541	6 783
Unwrought alloys	106	426	569	202	392
Scrap	69	93	23	211	199
Denmark					
Scrap	450	211	175	158	102
Finland					
Scrap	188	163	195	89	...
France					
Unwrought	61	95	27	108	...
Unwrought alloys	160	225	424	463	...
Scrap	637	790	1 298	1 344	...
Germany					
Unwrought	1 025	485	389	621	248
Unwrought alloys	1 414	2 788	1 566	603	483
Scrap	374	323	479	349	467
Irish Republic					
Scrap	938	101	27	103	19
Italy					
Unwrought (a)	72	207	512	137	...
Scrap	42	141	200	180	...
Netherlands					
Unwrought	337	349	671	1 181	451
Unwrought alloys	830	1 375	1 077	871	882
Scrap	738	728	551	343	313
Portugal					
Concentrates	6 764	12 987	9 272	9 696	9 653
Spain					
Unwrought (a)	172	358	136	74	100
Sweden					
Unwrought (a)	114	125	149	174	207
Russia					
Unwrought	...	720	7 559	7 824	8 794
Switzerland					
Unwrought (a)	299	143	124	135	153
Scrap	164	100	178	140	69
Congo, Democratic Republic					
Concentrates	*700	*700	*500	*700	...
Nigeria					
Unwrought	120	105	*80	...	...
Rwanda					
Concentrates	844	649	247	466	393
Zimbabwe					
Unwrought (a)	1 162	681	559	137	—
Canada					
Unwrought (a)	488	820	1 161	1 316	1 465
Scrap	486	847	638	...	5 918
Jamaica					
Scrap	122	38	58	104	1 715
USA					
Unwrought (a)	4 569	4 818	4 916	5 399	6 730
of which: Re-exports	2 700	2 250	2 358	2 614	1 950
Scrap	13 050	8 812	8 603	9 135	9 587
Bolivia					
Concentrates	6 056	2 896	2 533	2 454	3 748
Unwrought	14 262	14 394	15 380	12 915	11 326
Brazil					
Unwrought (a)	19 366	22 106	17 643	9 948	11 787
Peru					
Concentrates	21 980	23 024	44 863	37 099	*40 000

Exports of Tin

tonnes

Country	1992	1993	1994	1995	1996
China					
Concentrates	7 448	3 100	615	52	—
Unwrought (a)	30 273	40 703	37 619	43 307	36 128
Hong Kong					
Concentrates (b)	7 567	4 057	*2 200	769	821
Unwrought (a)	15 963	17 885	11 448	15 281	10 811
of which: Re-exports	15 887	17 694	11 421	15 175	10 702
Indonesia					
Unwrought (a)	27 710	17 875	22 300	39 667	46 312
Japan					
Unwrought (a)	321	301	170	69	193
Korea, Republic of					
Unwrought (a)	210	46	735	169	298
Scrap	582	466	—	28	90
Malaysia					
Unwrought (a)	46 852	36 920	38 935	35 216	34 342
Scrap	1 350	431	557	659	...
Singapore					
Concentrates (b)	820	777	1 757	1 388	1 370
Unwrought	26 066	27 446	31 904	33 740	38 656
of which: Re-exports	25 314	24 199	30 378	32 181	36 554
Scrap	520	1 031	1 484	1 698	1 504
of which: Re-exports	34	101	556	942	318
Thailand					
Unwrought (a)	7 350	3 497	2 751	2 676	4 765
Australia					
Concentrates	11 782	14 639	13 363	15 894	15 885
Unwrought (a)	240	216	214	534	499
Scrap (c)	1 176	1 981	...	...	...

Note(s):

(1) In this table the term 'unwrought' tin corresponds to item 687.1 of the Standard International Trade Classification (Revision 3) and comprises ingots, pigs, unwrought bars, sticks, etc.

(a) Including alloys

(b) Re-exports

(c) Years ended 30 June of that stated

Imports of Tin

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Unwrought	8 932	13 004	13 067	9 767	10 008
Unwrought alloys	1 443	1 538	1 635	1 695	1 816
Scrap	1 384	322	1 035	562	557
Austria					
Unwrought (a)	831	945	855	970	822
Belgium-Luxembourg					
Unwrought	2 513	1 803	1 508	636	1 483
Unwrought alloys	347	602	1 067	1 087	864
Scrap	1 552	1 498	1 604	2 464	1 352
France					
Unwrought	8 549	7 697	9 154	8 695	8 100
Unwrought alloys	470	506	656	1 059	...
Germany					
Unwrought	21 856	18 382	19 950	21 343	19 685
Unwrought alloys	1 105	725	808	916	702
Scrap	659	1 213	731	278	248
Greece					
Unwrought (a)	299	249	360	454	...
Irish Republic					
Unwrought (a)	95	197	265	317	343
Italy					
Unwrought	5 520	5 436	5 143	5 824	6 300
Unwrought alloys	110	224	220	196	...
Netherlands					
Unwrought	3 763	3 908	8 953	8 990	10 180
Unwrought alloys	222	1 433	1 039	1 032	1 073
Scrap	236	455	390	230	203
Portugal					
Unwrought (a)	938	649	966	600	1 183
Spain					
Concentrates	2 739	2 466	215	25	...
Unwrought (a)	3 194	6 127	4 933	6 127	...
Sweden					
Unwrought	237	425	514	489	495
Unwrought alloys	266	161	166	240	62
Scrap	100	82	196	198	93
Croatia					
Unwrought (a)	224	148	*100	123	117
Czechoslovakia					
Unwrought (a)	*800	—	—	—	—
Hungary					
Unwrought & semi-manufactures	430	176	346	346	408
Norway					
Unwrought	421	433	398	541	553
Unwrought alloys	70	81	70	93	90
Poland					
Unwrought (a)	1 010	869	987	1 338	1 230
Romania					
Unwrought (a)	524	615	536	569	511
Russia					
Unwrought (a) (b)	*3 300	*13 900	*7 500	...	...
Slovakia					
Unwrought	—	478	...	...	...
Switzerland					
Unwrought (a)	720	943	676	779	636
Turkey					
Unwrought (a)	855	898	835	1 095	1 409
Yugoslavia, Federal Republic of					
Unwrought (a)	217	*50	*50	*50	...
Algeria					
Unwrought (a)	*185	300	41	...	...
Egypt					
Unwrought	206	209	190	209	...
Morocco					
Unwrought (a)	175	116	89	152	...

Imports of Tin

Country	1992	1993	1994	1995	1996
South Africa					
Unwrought (a)	1 359	2 118	2 425	2 219	...
Canada					
Unwrought	3 587	4 510	4 677	4 493	4 462
Mexico					
Concentrates	3 739	4 044	1 098	705	...
Unwrought	549	540	1 255	1 183	...
Scrap	88	61	91	56	...
USA					
Unwrought	27 367	33 989	32 112	33 347	30 004
Unwrought alloys	10 070	7 072	8 744	11 321	11 828
Scrap	872	2 553	1 922	15 928	6 744
Argentina					
Unwrought	775	972	1 162	1 042	...
Bolivia					
Concentrates	...	5 268	11 340	12 015	...
Chile					
Unwrought	474	513	546	591	790
Colombia					
Unwrought (a)	276	366	440	301	...
Peru					
Unwrought (a)	29	162	185	182	...
Venezuela					
Unwrought (a)	701	449	328	875	...
Hong Kong					
Concentrates	9 505	3 166	969	849	100
Unwrought (a)	16 684	19 008	14 259	15 894	13 893
India (e)					
Unwrought (a)	1 485	2 972	4 224	3 172	...
Scrap	102	285	475	1 318	...
Iran (d)					
Unwrought	558	247	142	...	...
Japan					
Unwrought	27 539	27 665	27 577	28 019	25 272
Unwrought alloys	3 613	1 766	3 226	2 958	2 294
Korea, Republic of					
Unwrought (a)	7 394	9 364	10 687	11 519	11 851
Malaysia					
Concentrates	56 014	42 540	59 569	...	...
Unwrought (a)	4 998	5 252	5 265	...	...
Philippines					
Unwrought (a)	730	508	648	794	...
Singapore					
Concentrates	667	1 008	1 551	1 103	820
Unwrought	5 473	4 006	3 010	3 976	2 108
Scrap	212	756	551	856	684
Taiwan					
Unwrought (a)	7 447	7 683	9 689	9 699	...
Australia (c)					
Unwrought (a)	798	922	...	819	904
New Zealand (c)					
Unwrought (a)	53	78	133	93	...

Note(s):

(1) In this table the term 'unwrought' tin corresponds to item 687.1 of the Standard International Trade Classification (Revision 3) and comprises ingots, pigs, unwrought bars, sticks, etc.

(a) Including alloys

(b) BGS estimates, based on known exports from certain countries

(c) Years ended 30 June of that stated

(d) Years ended 20 March following that stated

(e) Years ended 31 March following that stated

Production of Titanium Minerals

tonnes

Country	1992	1993	1994	1995	1996
Norway					
Ilmenite	708 149	713 113	826 391	857 797	759 000
Ukraine					
Ilmenite	*450 000	*450 000	530 000	359 000	...
Rutile	*60 000	*60 000	80 000	112 000	...
Sierra Leone					
Ilmenite	60 331	64 400	53 500	—	...
Rutile	149 000	150 332	144 312	—	...
South Africa					
Ilmenite (b)	*1 502 000	*1 516 000	*1 314 000	*1 680 000	*1 700 000
Rutile	75 000	100 000	*90 000	*90 000	*110 000
Canada (a)					
Ilmenite (b)	*2 200 000	*2 100 000	*2 200 000	*2 200 000	*2 500 000
USA					
Ilmenite	*270 000	*300 000	*320 000	*320 000	...
Rutile	29 000	*25 000	*30 000	...	...
Brazil					
Ilmenite	77 104	101 255	97 439	102 125	*110 000
Rutile	1 826	1 744	1 911	1 985	*2 000
China					
Ilmenite	304 900	226 000	216 500	...	...
India					
Ilmenite	*300 000	*320 000	*290 000	*290 000	*330 000
Rutile	*10 000	*13 900	*14 000	*14 000	*14 000
Malaysia					
Ilmenite	337 744	278 950	116 696	151 680	244 642
Sri Lanka					
Ilmenite	35 868	71 235	60 465	50 250	62 810
Rutile	2 741	2 643	2 410	2 884	3 532
Thailand					
Ilmenite	2 922	20 715	1 600	—	—
Rutile	281	87	49	—	—
Leucoxene	45	106	77	33	20
Australia					
Ilmenite	1 787 000	1 800 000	1 746 000	1 980 000	2 029 000
Rutile	183 000	187 000	225 000	195 000	180 000
Leucoxene	20 000	21 000	33 000	31 000	30 000
World total					
Ilmenite (Wt. of concs)	8 000 000	8 000 000	7 800 000	8 200 000	8 600 000
Rutile (Wt. of concs)	511 000	541 000	588 000	446 000	452 000
All forms (TiO ₂ content)	*4 191 000	*4 198 000	*4 144 000	*4 225 000	*4 396 000

Note(s):

(1) The figures in this table refer to gross tonnage of titanium concentrates

(2) Some ilmenite is converted to synthetic rutile in Australia, India, Japan, Taiwan and USA

(a) Canada produces some ilmenite which is sold as such and not processed into slag, but tonnages are small

(b) Processed into slag. In 1996 South Africa produced an estimated 1000000 tonnes (85% TiO₂) and Canada produced 974000 tonnes (80% TiO₂)

Exports of Titanium

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	6 366	6 002	8 221	10 145	10 743
Oxides	170 543	165 471	176 163	157 124	149 011
Austria					
Metal	196	675	92	116	167
Oxides	1 132	1 094	1 328	3 317	1 565
Belgium-Luxembourg					
Metal	396	290	612	1 057	439
Oxides	112 184	170 075	190 072	202 601	213 330
Finland					
Oxides (b)	*47 100	*61 000	*60 000	*44 200	...
France					
Titanium minerals	162	214	4 877	2 331	...
Metal	2 300	1 730	2 169	2 365	...
Oxides	176 265	171 450	168 672	176 727	...
Germany					
Ilmenite	141	110	112	45	104
Other titanium minerals	1 621	1 498	1 007	1 096	866
Metal	3 920	3 551	2 579	3 991	4 092
Oxides	224 368	209 952	239 809	219 166	237 877
Italy					
Titanium minerals	3	51	525	121	...
Metal	955	1 461	1 320	2 634	...
Oxides	(b) *26 200	(b) *33 800	59 335	32 417	...
Netherlands					
Ilmenite	13 400	31 763	4 965	833	...
Other titanium minerals	29 014	11 875	7 740	5 393	(d) 7 992
Metal	276	656	140	828	1 091
Oxides (b)	*37 100	*42 400	*48 200	*48 800	...
Spain					
Oxides	29 230	42 774	...	37 480	...
Sweden					
Metal	759	567	837	1 187	998
Oxides	1 545	2 204	2 191	3 935	7 478
Czechoslovakia					
Oxides (b)	*8 900	—	—	—	—
Czech Republic					
Oxides (b)	—	*9 400	*13 000	*12 400	...
Estonia					
Metal (b)	*400	*100	*250	*150	...
Georgia					
Metal (b)	*100	*100	*150	...	...
Norway					
Titanium minerals	431 795	454 122	559 078	461 240	400 932
Oxides (b)	*29 900	*21 900	*18 000	*16 500	...
Poland					
Oxides (b)	*9 100	*8 600	*11 400	*11 900	...
Russia					
Metal	1 265	5 170	(b) *16 200	(b) *24 500	...
Slovenia					
Oxides (b)	*6 900	*14 400	...	*17 000	...
Switzerland					
Metal	317	240	258	293	317
Oxides	463	537	647	637	621
Ukraine					
Titanium minerals (b)	...	...	*23 000	*48 000	...
Metal (b)	*100	*1 000	*2 200	*700	...
Oxides (b)	*100	*600	*2 700	*3 900	...
Sierra Leone					
Ilmenite	64 000	63 000	59 000	...	...
Rutile	147 600	143 500	156 600	...	...
South Africa					
Titanium minerals (b)	*126 800	*225 400	*175 900	*207 500	...
Titanium slag (b)	*661 200	*540 900	*564 700	*528 000	...
Oxides (b)	*5 100	*7 200	*9 500	*6 800	...

Titanium

Exports of Titanium

tonnes

Country	1992	1993	1994	1995	1996
Canada					
Titanium minerals & slag	(b) *949 500	(b) *911 200	*900 000	*900 000	*1 000 000
Metal	441	320	517	731	666
Oxides	53 000	51 085	72 272	88 923	70 609
Mexico					
Oxides	36 105	42 960	57 436	62 566	...
USA					
Titanium minerals	35 644	15 917	19 823	33 400	15 825
Metal	8 330	8 175	10 134	11 256	13 392
Oxides	272 611	290 892	354 870	344 261	340 137
Brazil					
Oxides	1 554	2 625	4 794	4 503	...
China					
Titanium minerals	13 475	16 707	5 496	5 819	24 912
Metal	579	203	767	1 627	1 974
Oxides	10 638	14 928	20 071	27 852	24 223
Hong Kong					
Oxides (c)	13 071	14 822	22 028	24 477	24 826
India (a)					
Ilmenite	68 295	140 050	177 674	207 812	...
Other titanium minerals	4 254	26 705	9 971	11 240	...
Japan					
Titanium minerals	12 907	20 006	11 446	9	35
Metal	8 976	8 910	11 548	12 471	15 855
Oxides	75 684	74 806	...	80 455	77 740
Kazakhstan					
Metal	(b) *100	(b) *700	(b) *2 200	9 183	...
Korea, Republic of					
Titanium minerals	87 485	147 341	108 040	64 400	59 920
Oxides	7 377	7 820	11 878	13 442	17 567
Malaysia					
Ilmenite	157 722	132 422	157 130	180 861	...
Singapore					
Oxides	11 217	10 761	10 353	20 952	23 939
of which: Re-exports	7 378	10 006	7 625	7 019	9 757
Sri Lanka					
Ilmenite	43 000	20 021	55 243	30 042	...
Rutile	2 035	22 621	882	4 193	...
Other titanium minerals	—	—	160	20 000	...
Taiwan					
Oxides	3 576	4 665	25 200	58 691	...
Thailand					
Ilmenite	19 412	10 130	15 023	23 112	...
Australia					
Ilmenite	944 000	962 000	1 083 000	1 075 000	1 062 000
Rutile	196 000	182 000	210 000	220 000	169 000
Leucoxene	11 000	12 000	18 000	18 000	28 000
Oxides	103 000	114 000	117 000	123 000	131 000

Note(s):

- (1) So far as possible, the term 'oxides', as used in this table, includes oxides and oxide based pigments classified under Standard International Trade Classification (Revision 3) items 522.56 and 533.1
- (2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

- (a) Years ended 31 March following that stated
- (b) BGS estimates, based on known imports into certain countries
- (c) Re-exports
- (d) Including ilmenite

Imports of Titanium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ilmenite	184 458	223 757	104 384	128 270	164 050
Other titanium minerals	135 730	83 535	172 846	100 275	75 936
Titanium slag	58 991	63 672	67 668	74 027	91 045
Metal	13 855	12 948	15 758	17 682	18 626
Oxides	58 090	58 960	65 679	76 926	83 611
Austria					
Metal	301	176	208	292	338
Oxides	15 523	15 330	16 965	17 542	15 896
Belgium-Luxembourg					
Ilmenite	75 004	26 120	23 756	20 901	...
Other titanium minerals	27 327	75 564	64 952	68 581	(e) 60 718
Metal	1 221	957	1 973	1 348	1 212
Oxides	57 426	54 612	48 617	53 877	57 475
Denmark					
Oxides	13 461	12 737	16 017	14 917	14 067
Finland					
Titanium minerals (b)	*36 500	*20 000	...	...	...
Oxides	4 911	5 042	2 428	6 848	...
France					
Ilmenite	85 564	53 503	53 598	87 049	...
Other titanium minerals	116 795	124 166	129 167	150 076	...
Titanium slag	112 820	105 607	131 337	...	...
Metal	3 834	2 922	3 252	3 846	...
Oxides	77 509	80 347	90 329	91 826	...
Germany					
Ilmenite	466 794	249 987	404 912	351 729	342 250
Other titanium minerals	15 075	27 428	16 810	58 209	251 050
Titanium slag	296 308	233 409	239 540	255 902	81 392
Metal	6 222	4 871	6 721	7 636	7 973
Oxides	147 756	149 506	154 657	162 088	153 144
Greece					
Oxides	15 948	16 555	18 033	18 842	...
Irish Republic					
Oxides	1 249	5 240	5 915	5 500	2 094
Italy					
Ilmenite	41 093	75 397	28	...	...
Other titanium minerals	3 533	2 082	3 619	2 341	...
Titanium slag	57 277	72 523	79 779	...	...
Metal	2 445	3 379	3 169	4 618	...
Oxides	90 192	100 701	120 122	113 655	...
Netherlands					
Ilmenite	43 920	42 001	12 538	2 789	...
Other titanium minerals	74 129	50 642	66 856	54 602	(e) 62 820
Metal	556	1 336	887	1 442	1 561
Oxides	46 412	66 497	66 856	70 005	61 571
Portugal					
Oxides	14 905	7 441	...	...	4 903
Spain					
Ilmenite	106 977	110 571	129 633	102 621	...
Other titanium minerals	2 177	149	2 109	2 185	...
Metal	1 333	625	1 188	1 523	...
Oxides	44 690	51 080	...	58 080	...
Sweden					
Titanium minerals	265	850	1 422	1 183	658
Metal	1 236	1 066	1 588	376	401
Oxides	23 608	28 192	30 027	33 690	33 705
Bulgaria					
Titanium minerals (b)	*1 300	*1 200	*800	*500	...
Croatia					
Oxides	1 858	1 684	...	2 512	2 648
Czechoslovakia					
Oxides (b)	*1 900	—	—	—	—
Norway					
Titanium minerals	24 617	39 518	38 997	13 444	29 637
Oxides	6 070	7 195	7 959	8 010	6 986
Poland					
Titanium minerals	71 291	68 972	90 035	70 585	...

Titanium

Imports of Titanium

tonnes

Country	1992	1993	1994	1995	1996
Romania					
Titanium minerals	—	2 543	904	1 405	2 295
Oxides	4 892	1 350	2 121	3 727	2 034
Switzerland					
Oxides	17 589	18 672	20 399	18 667	18 452
Turkey					
Titanium minerals	3 273	3 261	3 933	3 161	7 343
Oxides	27 695	34 718	30 349	38 767	44 462
Yugoslavia, Federal Republic of					
Titanium minerals	255	...	...	...	...
Oxides	1 079	...	...	...	...
South Africa					
Oxides	4 971	7 544	10 371	8 584	...
Canada					
Titanium minerals	6 988	13 782	34 963	33 596	7 382
Metal	1 280	1 773	1 842	2 037	2 033
Oxides	40 451	69 745	111 299	106 322	84 683
Mexico					
Ilmenite	*100 000	92 647	99 524	119 720	...
Rutile sand	2 327	1 622	671	648	...
Oxides	15 322	14 675	21 915	16 051	...
USA					
Ilmenite	338 764	388 872	379 478	583 247	608 336
Rutile (c)	315 571	371 493	318 117	310 861	324 482
Titanium slag	606 899	485 517	484 133	404 132	421 140
Metal	7 772	8 746	15 829	23 403	35 709
Oxides	171 673	175 419	175 969	182 863	167 044
Argentina					
Titanium minerals	1 880	1 772	2 204	1 478	...
Oxides	21 795	22 968	25 444	22 681	...
Brazil					
Rutile	1 571	1 833	827	1 168	...
Oxides	29 746	35 653	40 542	66 282	...
Chile					
Oxides	6 633	8 053	8 662	8 924	4 957
Colombia					
Oxides	12 394	12 986	16 212	14 274	...
Uruguay					
Oxides	1 768	1 833	2 410	2 593	...
Venezuela					
Oxides	14 481	13 521	8 244	14 460	...
China					
Titanium minerals	5 839	2 496	962	21 501	56 622
Metal	1 156	1 869	1 640	1 765	2 684
Oxides	40 469	45 054	59 235	59 966	92 886
Hong Kong					
Oxides	24 737	23 705	32 530	32 600	33 197
India (d)					
Oxides	5 908	13 508	18 094	14 549	...
Indonesia					
Oxides	29 039	34 429	43 499	30 265	...
Israel					
Oxides	5 378	6 361	(b) *4 800	(b) *3 300	...
Japan					
Titanium minerals	484 602	514 931	399 800	437 638	402 325
Metal	1 481	2 316	4 622	6 914	8 828
Oxides	62 550	75 526	90 666	96 152	100 243
Jordan					
Oxides	2 674	2 958	4 081	...	...
Korea, Republic of					
Rutile sand	7 584	9 246	11 446	—	—
Titanium minerals	101 260	88 207	76 803	94 905	68 602
Metal	1 527	2 964	2 978	2 980	2 208
Oxides	54 612	63 817	80 540	85 447	78 255

Imports of Titanium

Country	1992	1993	1994	1995	1996
Malaysia					
Titanium minerals	16 713	72 769	71 590	83 000	...
Oxides	23 122	18 631	22 728	...	...
Pakistan (a)					
Oxides	5 964	6 151	6 515	...	...
Philippines					
Titanium minerals	1 980	1 783	2 637	2 390	...
Oxides	15 059	20 240	25 977	25 452	...
Saudi Arabia					
Titanium minerals	30 143	50 048	60 690	*65 000	...
Oxides	9 020	4 707	5 981	...	...
Singapore					
Oxides	28 600	27 058	11 662	14 289	25 140
Taiwan					
Titanium minerals	11 949	23 234	47 313	84 493	...
Metal	553	697	724	1 213	...
Oxides	63 879	73 492	89 327	73 784	...
Thailand					
Rutile	3 211	3 723	5 127	6 103	...
Other titanium minerals	4 366	3 120	4 083	4 473	...
Oxides	32 583	34 634	41 582	39 920	...
Australia (a)					
Titanium minerals	2	544	...	...	...
Oxides	2 863	3 448	...	...	...
New Zealand (a)					
Oxides	7 535	7 873	9 006	9 116	...

Note(s):

- (1) Significant quantities of titanium slag are traded, but it is not always possible to identify this material in national trade accounts
- (2) So far as possible, the term 'oxides', as used in this table, includes oxides and oxide based pigments classified under Standard International Trade Classification (Revision 3) items 522.56 and 533.1
- (3) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

- (a) Years ended 30 June of that stated
- (b) BGS estimates, based on known exports from certain countries
- (c) Including synthetic rutile
- (d) Years ended 31 March following that stated
- (e) Including ilmenite

Tungsten

Mine Production of Tungsten

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Austria	1 134	506	—	568	1 072
Portugal (c)	1 126	767	60	873	720
Czechoslovakia	*20	—	—	—	—
Russia (c)	8 319	6 639	3 392	4 568	4 500
Congo, Democratic Republic (b)	*15	*15	*15	...	...
Rwanda	238	*175	—	46	109
Uganda	16	5	12	17	—
Mexico	162	*150	*150	287	189
USA	50	*50	*50	*50	...
Bolivia	851	287	462	655	581
Brazil (a)	205	245	155	98	*100
Peru	431	308	205	577	263
China	25 520	23 000	27 010	26 616	26 600
Japan	298	66	—	—	—
Kazakhstan	*200	*150	154	314	*300
Korea, Dem. P.R. of	*400	—	—	—	—
Korea, Republic of	247	—	—	—	—
Mongolia	—	—	17	62	10
Myanmar (b)	375	300	200	370	380
Tajikistan	*200	*150	*100	*75	*50
Thailand (c)	92	105	115	47	*30
Uzbekistan	*300	*300	*300	*300	*300
Australia (c)	159	23	23	—	—
World total	40 400	33 200	32 400	35 500	35 300

(a) Mainly scheelite

(b) Including tin-wolframite concentrates

(c) Wolframite and scheelite

Exports of Tungsten

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	656	573	649	862	1 138
Carbide	94	52	116	781	810
Austria					
Metal	639	646	819	1 248	1 265
Belgium-Luxembourg					
Metal	161	233	168	146	207
France					
Metal	416	737	508	362	...
Carbide	236	286	237	315	...
Germany					
Metal	1 931	1 256	1 482	1 245	1 494
Italy					
Metal	173	72	271	250	...
Netherlands					
Tungsten ore	149	1 282	1 289	...	10
Metal	244	346	348	556	414
Portugal					
Tungsten ore	1 530	2 413	...	...	1 319
Sweden					
Tungsten ore	48	—	—	197	...
Metal	11	10	67	44	31
Carbide	346	456	575	...	...
Poland					
Tungsten ores & concentrates	—	148	52	846	...
Metal	36	109	137	98	...
Russia					
Tungsten ore (d)	—	...	*5 000	*4 700	...
Metal (d)	*50	*250	*250	*450	...
Switzerland					
Metal	125	119	53	127	54
Rwanda					
Tungsten ores & concentrates	128	141	—	19	43
Uganda					
Tungsten ore	80	114	91	156	76
Mexico					
Tungsten ores & concentrates	96	69	124	367	...
USA					
Tungsten ores & concentrates	33	66	27	10	...
Metal	1 199	1 207	1 839	2 034	1 586
Ammonium paratungstate (a)	470	182	250	289	152
Carbide	749	1 266	1 320	1 686	1 316
Bolivia					
Tungsten ore	1 491	677	836	1 161	1 030
Peru					
Tungsten ores & concentrates	1 359	702	771	1 199	...
China					
Tungsten ores & concentrates	2 325	699	1 133	260	140
Metal	637	254	1 059	1 312	1 262
Ammonium paratungstate	...	9 226	12 946	17 731	12 425
Carbide (d)	*120	*150	*150	*100	...
Hong Kong					
Tungsten ore (c)	3 052	379	2 611	157	3 179
Israel					
Metal (d)	*270	*200	*340	*160	...
Japan					
Metal	1 050	759	1 348	1 424	1 437
Korea, Republic of					
Metal	505	440	352	480	567
Carbide	681	463	727	...	1 086
Myanmar (b)					
Tungsten ores & concentrates	*400	*300	...	...	...

Exports of Tungsten

tonnes

Country	1992	1993	1994	1995	1996
Singapore					
Tungsten ore (c)	804	687	850	843	776
Metal	125	193	117	143	151
Thailand					
Tungsten ore	218	234	227	164	...
Australia					
Tungsten ores & concentrates	503	40	...	...	...

Note(s):

- (1) Significant amounts of tungsten are traded in the forms of ammonium paratungstate (APT) and carbide. Though statistics are included where available, most countries do not separately distinguish these forms in their trade accounts
 - (2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys
- (a) W content
 (b) Years ended 31 March following that stated
 (c) Re-exports
 (d) BGS estimates, based on known imports into certain countries

Imports of Tungsten

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	667	962	1 180	1 222	1 592
Carbide	272	118	300	1 601	1 134
Austria					
Tungsten ore	110	600	3 014	...	...
Metal	712	455	563	747	730
Belgium-Luxembourg					
Metal	352	398	330	327	197
Carbide	150	139	183	207	...
Finland					
Metal	16	37	36	16	...
France					
Metal	237	322	398	628	...
Carbide	244	147	427	387	...
Germany					
Tungsten ore	396	107	604	947	378
Metal	1 353	1 535	2 019	2 331	2 329
Carbide	758	692	752	968	667
Italy					
Metal	144	274	179	169	...
Carbide	263	282	382	...	...
Netherlands					
Tungsten ore	—	217	9	...	68
Metal	98	175	287	329	546
Spain					
Metal	36	75	115	154	...
Sweden					
Tungsten ore	342	18	0	...	...
Metal	205	244	547	304	388
Carbide	94	116	528	...	...
Switzerland					
Metal	95	62	88	88	120
South Africa					
Metal	10	81	43	30	...
Carbide	46	64	210	—	...
Canada					
Metal	161	132	168	221	149
Carbide	348	388	421	402	400
Mexico					
Metal	36	163	189	213	...
USA					
Tungsten ore	4 424	3 008	6 616	7 443	7 627
Metal	2 431	1 948	2 945	2 950	2 686
Ammonium paratungstate (a)	378	1 176	848	1 290	1 580
Carbide	435	326	308	533	491
Hong Kong					
Tungsten ore	1 303	—	1 162	28	614
India (c)					
Tungsten ore	507	560	839	480	...
Metal	82	136	105	229	...
Indonesia					
Metal	80	96	55	31	...
Israel					
Metal (d)	...	...	*200	*100	...
Japan					
Tungsten ore	717	459	236	551	478
Metal	320	278	807	970	871
Korea, Dem. P.R. of					
Tungsten ore (d)	*100	*130	...	...	...
Korea, Republic of					
Tungsten ores & concentrates	5 274	41	—	—	—
Metal	72	75	141	120	110
Malaysia					
Metal	296	215	341	...	...

Imports of Tungsten

tonnes

Country	1992	1993	1994	1995	1996
Singapore					
Tungsten ore	409	254	858	913	317
Metal	139	200	176	143	137
Taiwan					
Metal	143	140	136	164	...
Australia (b)					
Metal	50	48	...	...	...

Note(s):

- (1) Significant amounts of tungsten are traded in the forms of ammonium paratungstate (APT) and carbide. Though statistics are included where available, most countries do not separately distinguish these forms in their trade accounts
 - (2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys
- (a) W content
 (b) Years ended 30 June of that stated
 (c) Years ended 31 March following that stated
 (d) BGS estimates, based on known exports from certain countries

Mine Production of Vanadium

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Hungary	*200	*200	*200	*200	*200
Russia	*11 000	*10 000	*10 000	*11 000	*11 000
South Africa	14 285	15 052	15 229	16 297	*16 000
USA	*2 700	*1 100	*1 500	*2 700	*900
China	*4 700	*5 000	*5 400	*7 000	*7 000
Kazakhstan	*1 400	*1 200	878	924	*900
World total	34 300	32 600	33 200	38 100	36 000

Note(s):

- (1) This table includes vanadium in slag products but excludes vanadium recovered as a byproduct of the refining and burning of heavy oils

Vanadium

Exports of Vanadium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Metal	36	16	31	1	7
Austria					
Pentoxide	258	1 149	163	817	472
Belgium-Luxembourg					
Vanadiferous residues	6 157	3 649	3 533	779	...
Pentoxide	21	25	13	176	...
Vanadium-titanium pig iron	49	1	—	...	...
Denmark					
Vanadium-titanium pig iron	199	1	16	39	135
France					
Vanadiferous residues	120	424	49	...	...
Pentoxide	140	0	361	178	...
Vanadium-titanium pig iron	16	—	—	...	...
Metal	1	1	21	3	...
Germany					
Vanadiferous residues	1 343	2 596	122	360	566
Pentoxide	66	78	99	70	201
Vanadium-titanium pig iron	77	47	—	—	—
Metal	262	254	374	511	320
Italy					
Vanadiferous residues	282	625	123	...	...
South Africa					
Pentoxide (b)	28 054	21 344	...	...	...
Metal (a)	*770	*730	*700	*900	...
Mexico					
Vanadiferous residues	...	2 069	3 142	2 039	...
USA					
Pentoxide	1 126	1 058	1 389	1 244	2 974
China					
Vanadiferous residues	—	11 123	16 627	...	11 018
Pentoxide	4 196	6 752	7 421	6 457	4 299
New Zealand					
Vanadiferous residues	2 002	2 403	5 210	4 000	—

Note(s):

- (1) In this table the term 'pentoxide' also includes vanadium oxides and hydroxides, if any
- (2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) BGS estimates, based on known imports into certain countries

(b) Includes V₂O₅ content of vanadiferous residues

Imports of Vanadium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Pentoxide	46	98	139	116	74
Metal	256	253	61	236	368
Austria					
Vanadiferous residues	11 349	50	455	197	1 492
Pentoxide	734	3 269	1 603	2 324	3 174
Belgium-Luxembourg					
Pentoxide	3 551	2 853	6 295	4 741	...
France					
Pentoxide	183	130	231	335	...
Vanadium-titanium pig iron	1	...	43	...	...
Metal	65	91	30	36	...
Germany					
Vanadiferous residues	13 734	80	14	—	133
Pentoxide	896	3 744	1 874	1 496	730
Metal	139	2	7	5	32
Italy					
Vanadiferous residues	822	201	311	...	...
Pentoxide	128	115	124	...	...
Slovakia					
Pentoxide (a)	—	*200	*380	...	...
Canada					
Pentoxide	1 305	1 325	1 532	2 250	1 986
USA					
Vanadiferous residues	3 578	5 303	4 754	7 713	5 593
Pentoxide	467	138	442	1 036	873
Metal	734	817	713	847	96
Brazil					
Pentoxide	445	597	602	318	...
China					
Vanadiferous residues	27 302	13 560	20 434	18 671	2 001
Metal	1 002	0	3 205	—	1 022
Japan					
Pentoxide	3 538	4 559	4 501	4 920	4 675
Metal	110	74	134	166	148
Korea, Republic of					
Pentoxide	201	228	297	714	1 332

Note(s):

(1) In this table the term 'pentoxide' also includes vanadium oxides and hydroxides, if any

(2) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) BGS estimates, based on known exports from certain countries

Mine Production of Zinc

tonnes (metal content)

Country	1992	1993	1994	1995	1996
Austria	15 787	20 014	—	—	—
Finland	32 817	22 529	16 900	16 385	26 294
France	16 500	13 800	—	—	—
Germany	14 300	—	—	—	—
Greece	26 200	22 000	17 605	15 083	7 200
Irish Republic	194 100	194 100	194 000	183 500	164 500
Italy	31 000	7 100	22 906	23 100	11 000
Spain	204 737	169 892	150 579	172 469	140 500
Sweden	171 539	168 617	159 858	167 962	160 133
Bosnia & Herzegovina	*2 000	*350	*300	*300	*300
Bulgaria	29 400	32 000	30 000	30 000	28 000
Czechoslovakia	*6 200	—	—	—	—
Czech Republic	—	1 500	100	—	—
Georgia	*2 000	*2 000	*2 000	*2 000	*2 000
Macedonia	22 000	24 100	21 500	20 800	21 400
Norway	21 498	15 093	15 586	11 180	8 990
Poland	151 700	150 900	151 000	155 700	158 000
Romania	*25 800	27 800	27 800	36 737	30 945
Russia	158 000	154 000	147 000	131 100	120 000
Slovakia	—	2 900	—	—	—
Slovenia	1 550	2 000	1 000	—	—
Turkey	27 500	*32 500	34 000	65 300	70 000
Yugoslavia, Federal Republic of	19 781	9 704	6 794	5 976	29 954
Algeria	4 000	3 600	5 000	4 000	3 100
Congo, Democratic Republic	12 800	4 100	500	4 500	—
Morocco	22 462	65 866	78 561	79 849	81 225
Namibia	36 192	36 355	33 414	30 209	34 377
South Africa	71 928	77 096	76 361	71 118	77 029
Tunisia	2 200	1 320	12 900	41 800	30 100
Zambia	19 200	19 700	1 000	—	—
Canada	1 324 675	1 004 367	1 010 712	1 121 172	1 235 274
Honduras	32 702	24 276	23 611	27 117	37 037
Mexico	289 119	366 432	358 953	352 930	348 230
USA	551 667	513 075	597 576	643 877	628 063
Argentina	40 978	31 395	26 933	32 104	31 093
Bolivia	143 936	122 638	100 742	146 131	145 092
Brazil	149 000	171 800	145 900	167 259	128 000
Chile	29 730	29 435	31 038	35 403	35 625
Peru (a)	602 614	664 552	690 017	688 620	760 563
China	758 100	729 300	990 300	1 000 600	1 161 000
India	152 800	156 300	147 300	154 500	154 000
Iran	65 000	60 800	115 585	95 300	76 300
Japan	134 510	118 599	100 653	95 274	79 709
Kazakhstan	258 000	207 000	170 100	155 000	156 000
Korea, Dem. P.R. of	*120 000	*120 000	*90 000	*90 000	*80 000
Korea, Republic of	21 883	13 808	7 122	7 747	8 384
Myanmar	1 000	800	1 300	700	600
Thailand	75 300	69 500	59 400	13 500	18 700
Uzbekistan	*30 000	*30 000	*31 000	*24 000	*12 000
Vietnam	*15 000	*12 000	*11 900	*12 000	*16 000
Australia	1 014 000	1 007 000	928 000	882 000	1 008 000
World total	7 200 000	6 700 000	6 800 000	7 000 000	7 300 000

(a) Recoverable

Production of Slab Zinc

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	96 813	102 391	101 300	105 998	96 867
Austria	5 973	6 838	—	—	—
Belgium	217 200	209 600	211 200	211 100	207 500
Finland	162 798	170 299	173 200	176 583	176 222
France	318 800	324 500	304 900	313 900	324 300
Germany	383 100	380 900	359 880	322 460	328 100
Italy	252 600	253 600	255 900	260 200	268 700
Netherlands (a)	218 410	206 000	212 600	208 000	207 100
Portugal	2 200	3 500	4 000	4 000	3 600
Spain	351 900	341 600	298 700	358 200	360 800
Bulgaria	57 820	67 000	76 700	79 700	79 800
Macedonia	52 728	51 931	41 984	40 600	54 700
Norway	130 300	134 200	136 800	130 800	134 900
Poland	134 594	149 107	157 618	166 421	165 480
Romania	13 400	14 700	21 600	29 300	27 800
Russia	186 400	204 000	138 000	166 400	170 000
Turkey	18 800	18 500	18 567	17 050	22 392
Ukraine	13 000	15 000	14 000	5 000	*2 000
Yugoslavia, Federal Republic of	14 182	6 985	4 000	5 976	29 954
Algeria	29 400	29 700	24 300	27 200	29 300
Congo, Democratic Republic	18 800	4 152	600	500	100
South Africa	83 200	96 200	92 800	98 700	101 100
Zambia	7 278	4 706	141	—	—
Canada	671 702	659 881	690 965	720 346	715 553
Mexico	151 615	209 931	209 200	222 748	221 736
USA	399 490	381 754	356 000	363 000	366 000
Argentina	37 292	33 570	38 014	38 567	39 292
Brazil	187 414	194 750	194 300	200 976	*185 000
Peru	126 399	168 398	181 780	158 987	173 139
China	718 900	891 300	1 077 600	1 076 700	1 163 800
India	128 100	141 700	156 400	158 500	149 000
Japan	729 454	695 687	665 502	663 562	599 053
Kazakhstan	*230 000	*230 000	172 531	169 171	170 400
Korea, Dem. P.R. of	*120 000	*120 000	*100 000	*95 000	*90 000
Korea, Republic of	255 929	276 384	271 875	279 335	286 604
Thailand	60 557	*65 000	58 513	46 398	*65 000
Uzbekistan	*80 000	*70 000	*40 000	70 000	39 600
Australia	332 000	317 000	318 000	322 000	327 200
World total	7 000 000	7 300 000	7 200 000	7 300 000	7 400 000

(a) Sales

Exports of Zinc

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Unwrought	13 073	19 147	18 247	16 632	10 856
Unwrought alloys	13 781	15 798	22 015	25 070	23 004
Scrap	23 526	30 471	25 445	24 493	26 593
Austria					
Ore	28 767	26 096	4 040	...	...
Unwrought (a)	3 007	2 899	3 570	5 038	2 977
Scrap	3 114	2 094	1 922	2 607	2 869
Belgium-Luxembourg					
Ore	56 017	192 055	185 019	388 192	1 095 059
Unwrought	158 001	182 655	148 415	166 695	144 912
Unwrought alloys	49 462	114 785	132 272	156 204	147 851
Scrap	15 510	10 133	16 696	20 395	21 203
Denmark					
Scrap	4 616	4 730	7 115	6 371	5 744
Finland					
Unwrought	138 759	137 582	137 476	125 664	137 300
Unwrought alloys	3 648	3 531	4 218	4 644	...
Scrap	7 780	6 127	8 567	9 517	...
France					
Ore	7 600	12 555	7 791	33 884	10 146
Unwrought	146 765	182 289	129 894	67 390	226 741
Unwrought alloys	3 567	1 805	3 952	3 940	5 568
Scrap	25 267	19 613	20 669	25 554	28 007
Germany					
Ore	50 182	5 781	29 539	43 318	46 030
Unwrought	117 948	105 168	109 632	63 397	70 130
Unwrought alloys	25 890	15 145	19 331	25 362	27 710
Scrap	28 341	18 568	20 218	24 589	29 044
Greece					
Ores & concentrates	70 073	85 699	26 578	28 778	...
Scrap	2 013	545	1 396	1 873	...
Irish Republic					
Ores & concentrates	402 805	408 052	340 281	325 529	282 567
Italy					
Ore	6 387	65	48	103	2 474
Unwrought	34 254	16 425	17 026	13 695	40 392
Unwrought alloys	6 925	8 514	11 218	9 807	13 329
Scrap	1 257	2 587	4 558	9 389	...
Netherlands					
Unwrought	143 306	131 555	164 897	192 938	166 630
Unwrought alloys	7 276	13 133	26 929	37 414	47 315
Scrap	20 688	17 079	15 812	18 050	20 608
Portugal					
Unwrought (a)	17 077	8 968	100	100	110
Spain					
Ore	116 641	121 905	89 009	137 214	...
Unwrought (a)	239 110	212 073	163 512	178 331	*200 000
Sweden					
Ore	328 931	361 800	321 097	298 492	315 030
Unwrought (a)	512	268	287	105	158
Scrap	6 135	6 150	6 141	7 506	6 524
Bulgaria					
Unwrought (a) (b)	*24 700	*12 000	*17 700	*25 000	...
Czechoslovakia					
Ore (b)	*9 800	—	—	—	—
Estonia					
Unwrought (b)	...	...	*1 500	*200	...
Hungary					
Scrap	2 825	1 895	2 359	2 047	1 795
Macedonia					
Unwrought (b)	*100	*11 200	*6 900	*13 700	...
Norway					
Ore	4 607	0	546	—	1 320
Unwrought	109 257	122 293	119 626	111 572	112 980
Unwrought alloys	4 020	4 594	4 882	8 571	8 430
Scrap	2 524	710	646	747	410

Exports of Zinc

Country	1992	1993	1994	1995	1996
Poland					
Ore	79 032	76 396	46 456	39 120	46 948
Unwrought	58 709	69 466	80 277	68 180	63 378
Unwrought alloys	1 478	2 314	1 531	1 201	2 437
Scrap	10 528	6 801	188	39	...
Russia					
Ores & concentrates	24 637	40 300	229 173	100 020	86 651
Unwrought (a)	3 961	48 535	72 269	62 495	119 304
Slovenia					
Ores & concentrates	6 239	3 463	2 083	...	...
Switzerland					
Unwrought (a)	132	495	639	522	166
Scrap	1 440	1 531	1 941	1 755	2 127
Turkey					
Ores & concentrates	13 088	12 867	17 332	69 954	85 914
Ukraine					
Unwrought (a) (b)	*400	*5 000	*6 600	...	...
Yugoslavia, Federal Republic of					
Unwrought (a)	1 790	...	...	...	...
Algeria					
Unwrought (a)	8 742	...	11 915	...	...
Congo, Democratic Republic					
Unwrought	5 400	3 700	...	...	...
Morocco					
Ore	38 000	111 780	151 161	157 200	...
Namibia					
Concentrates (c)	75 246	71 361	24 508	22 997	36 807
South Africa					
Ores & concentrates (c)	—	9 770	2 514	—	—
Unwrought	3 300	7 600	8 000	5 000	—
Tunisia					
Ore	5 200	4 566	17 856	...	...
Zambia					
Unwrought	6 100	4 500	4 000	—	...
Canada					
Ores & concentrates (c)	694 505	447 128	382 489	604 408	706 735
Unwrought	510 087	493 391	552 733	536 041	581 609
Unwrought alloys	6 139	4 772	7 504	2 763	161
Scrap	31 972	40 846	54 925	41 263	28 481
Honduras					
Ores & concentrates (c)	32 702	24 276	23 611	27 117	37 037
Mexico					
Ores & concentrates	300 734	292 310	316 072	254 391	...
Unwrought	55 000	88 699	76 535	86 039	...
USA					
Ore (c)	546 041	380 182	388 625	431 312	470 213
of which: Re-exports	234 009	70 435	0	7 483	45 280
Unwrought (a)	6 030	9 092	14 468	15 314	16 222
Scrap	57 024	33 851	39 647	38 020	31 594
Argentina					
Ores & concentrates	5 164	—	25	4 530	...
Unwrought	7 934	5 132	9 814	11 659	...
Bolivia					
Ore	286 969	245 539	210 031	288 889	296 440
Brazil					
Unwrought	280 817	70 370	59 548	51 649	49 447
Chile					
Concentrates	50 486	73 548	50 700	90 684	66 258
Peru					
Concentrates	930 753	959 161	976 000	968 517	1 090 687
Unwrought	70 534	84 882	97 100	80 800	122 200
China					
Ores & concentrates	65 312	117 489	279 187	154 770	109 391
Unwrought (a)	84 860	205 565	269 704	191 525	226 777

Exports of Zinc

tonnes

Country	1992	1993	1994	1995	1996
Hong Kong					
Unwrought (a)	66 270	92 719	98 357	105 319	100 304
of which: Re-exports	64 302	85 104	87 610	105 319	91 264
Scrap	10 343	11 058	23 481	28 744	14 416
of which: Re-exports	8 328	10 260	22 553	24 890	13 268
Iran (f)					
Ores & concentrates	27 700	107 737	28 518	...	...
Japan					
Unwrought	30 124	32 467	38 635	27 970	28 500
Unwrought alloys	4 316	3 605	2 503	1 962	1 823
Scrap	8 459	7 130	4 702	7 865	6 930
Kazakhstan					
Ore	13 370	10 640	...	10 400	23 075
Unwrought	74 000	84 000	...	114 635	132 210
Korea, Dem. P.R. of					
Unwrought (a) (b)	*37 800	*25 400	*19 400	*11 100	...
Korea, Republic of					
Unwrought (a)	58 408	107 407	84 910	35 550	24 494
Malaysia					
Scrap	1 670	2 819	6 087	5 200	...
Myanmar (e)					
Concentrates	2 500	*2 500	*2 500	*4 000	...
Philippines					
Scrap	186	74	55	321	...
Saudi Arabia					
Scrap	2 700	1 500	43	...	...
Singapore					
Unwrought	12 896	12 106	24 700	217 539	34 858
of which: Re-exports	12 337	11 601	24 312	216 716	33 608
Scrap	591	628	2 561	2 244	1 049
Taiwan					
Unwrought (a)	5 869	3 762	4 226	7 722	...
Uzbekistan					
Unwrought (b)	*900	*10 400	*10 200	*15 100	...
Australia					
Ores & concentrates	1 489 000	1 414 000	1 385 000	1 349 000	1 489 000
Unwrought	259 000	259 000	257 000	225 000	239 000
Scrap (d)	4 771	5 730	...	...	...
New Zealand (d)					
Scrap	879	1 333	924	1 152	928

Note(s):

(1) In this table the term 'unwrought' zinc corresponds to item 686.1 of the Standard International Trade Classification (Revision 3) and comprises blocks, pigs, slabs, etc.

- (a) Including alloys
- (b) BGS estimates, based on known imports into certain countries
- (c) Zn content
- (d) Years ended 30 June of that stated
- (e) Years ended 31 March following that stated
- (f) Years ended 20 March following that stated

Imports of Zinc

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Ores & concentrates	185 766	213 502	248 419	214 849	154 230
Unwrought	122 639	118 921	125 040	137 882	131 982
Unwrought alloys	2 792	8 129	5 810	5 716	4 146
Scrap	2 848	4 944	3 796	2 295	2 971
Austria					
Ore	6 301	3 559	199	759	276
Unwrought	36 462	40 924	42 783	37 646	43 104
Unwrought alloys	7 055	6 304	7 667	13 030	14 428
Scrap	1 294	926	1 269	1 129	893
Belgium-Luxembourg					
Ore	428 254	400 268	520 721	553 969	1 393 376
Unwrought (a)	150 940	192 253	141 742	158 693	232 852
Scrap	19 376	10 957	13 312	15 819	23 822
Denmark					
Unwrought	16 341	12 053	11 601	13 483	10 645
Unwrought alloys	1 841	378	926	552	1 389
Scrap	113	477	510	148	21
Finland					
Ore	259 342	274 978	337 384	211 074	...
Unwrought (a)	2 697	598	425	7	...
France					
Ore	624 440	541 624	632 892	622 177	603 751
Unwrought	97 872	87 677	115 493	135 057	108 022
Unwrought alloys	27 523	37 430	50 897	46 027	48 865
Scrap	5 768	3 994	7 068	13 600	11 980
Germany					
Ore	640 414	697 969	612 293	588 845	439 315
Unwrought	283 247	254 482	243 410	229 384	187 880
Unwrought alloys	23 275	19 955	54 727	63 275	52 863
Scrap	20 399	14 081	13 837	12 067	10 021
Greece					
Unwrought (a)	14 129	15 257	17 934	19 002	...
Irish Republic					
Unwrought (a)	1 120	2 644	2 177	1 083	2 845
Italy					
Ore	443 267	412 192	505 943	457 915	518 843
Unwrought	82 483	88 842	91 256	113 677	101 736
Unwrought alloys	15 279	12 889	19 170	20 658	27 640
Scrap	10 392	13 402	14 684	13 765	...
Netherlands					
Ore	457 031	407 843	388 960	371 759	334 142
Unwrought	29 160	153 541	131 890	213 770	115 621
Unwrought alloys	522	277	339	1 666	783
Scrap	5 210	5 391	4 692	4 707	3 882
Portugal					
Unwrought (a)	17 579	14 532	12 217	19 700	15 407
Scrap	225	627	100	100	3
Spain					
Ore	401 067	378 437	341 715	427 416	...
Unwrought	1 826	1 275	941	2 787	2 400
Unwrought alloys	4 487	5 207	5 797	5 443	...
Scrap	933	193	87	540	...
Sweden					
Unwrought	29 993	29 136	31 334	23 512	32 029
Unwrought alloys	2 147	7 061	7 823	15 098	7 587
Scrap	60	177	60	100	266
Bulgaria					
Ore (b)	*56 600	*30 500	*109 800	*43 200	...
Croatia					
Unwrought (a)	1 664	1 428	1 400	1 754	2 358
Czechoslovakia					
Unwrought (a)	23 355	—	—	—	—
Czech Republic					
Unwrought (a)	—	13 170	14 884	18 000	...
Georgia					
Ores & concentrates (b)	...	...	*5 200	...	...

Imports of Zinc

tonnes

Country	1992	1993	1994	1995	1996
Hungary					
Unwrought (g)	13 001	10 772	13 133	11 952	13 136
Iceland					
Unwrought (a)	163	140	173	161	192
Norway					
Ore	171 760	170 678	149 168	123 148	124 025
Unwrought (a)	556	2 169	2 174	1 835	1 347
Scrap	3 864	2 177	2 703	2 167	2 423
Poland					
Ore	59 285	73 607	74 972	72 910	86 488
Unwrought (a)	490	2 136	2 624	2 301	3 745
Romania					
Unwrought (a)	6 073	3 161	1 503	3 159	1 000
Russia					
Ore	128	128 543	69 373	(b) *66 500	140 526
Unwrought (a)	4 455	1 387	4 335	6 212	10 268
Slovakia					
Unwrought (a)	—	24 392	(b) *12 100	(b) *2 300	...
Slovenia					
Unwrought (a)	6 413	6 581	6 651	7 500	...
Scrap	673	594	88	...	...
Switzerland					
Unwrought	18 130	17 685	18 655	21 010	17 091
Unwrought alloys	2 110	2 429	2 832	3 062	2 770
Turkey					
Unwrought (a)	31 481	27 506	23 531	38 821	47 442
Ukraine					
Unwrought	...	...	8 371	6 340	...
Yugoslavia, Federal Republic of					
Concentrates	7 787	...	...	(b) *2 000	...
Unwrought (a)	1 704	...	...	...	...
Algeria					
Ores & concentrates	63 768	*42 000	*6 000	*4 000	...
Egypt					
Unwrought (a)	7 643	8 000	4 902	17 700	...
Kenya					
Unwrought (a)	6 445	8 800	...	...	...
Morocco					
Unwrought (a)	4 832	6 316	6 996	7 700	...
South Africa					
Unwrought (a)	4 318	1 046	348	7 518	...
Scrap	...	99	195	567	...
Tunisia					
Unwrought (a)	4 482	2 927	5 197	5 000	...
Canada					
Ores & concentrates (c)	151 679	108 957	152 305	176 628	181 783
Unwrought	5 679	8 699	12 490	11 766	11 651
Scrap	1 526	1 974	1 049	2 128	2 131
Costa Rica					
Unwrought (a)	4 660	6 180	5 306	5 423	...
El Salvador					
Unwrought (a)	534	812	178	...	...
Guatemala					
Unwrought (a)	244	1 377	1 323	1 648	...
Honduras					
Unwrought (a)	578	1 072	275	593	...
USA					
Ore (c)	488 956	116 287	29 543	13 032	17 320
Unwrought (a)	683 706	732 901	788 955	848 910	818 870
Scrap	31 176	38 079	51 676	42 260	31 862
Argentina					
Unwrought	4 612	8 998	5 553	5 332	...
Brazil					
Ores & concentrates	119 358	118 104	112 795	131 395	...
Unwrought (a)	8 943	11 976	11 214	37 470	4 003

Imports of Zinc

tonnes

Country	1992	1993	1994	1995	1996
Chile					
Unwrought (a)	6 931	7 711	7 621	11 861	9 612
Colombia					
Unwrought (a)	15 062	18 097	16 018	20 867	...
Ecuador					
Unwrought (a)	2 529	2 679	2 728	4 500	...
Uruguay					
Unwrought	1 383	1 747	1 622	1 389	...
Venezuela					
Unwrought	14 206	11 016	9 313	17 676	15 200
Unwrought alloys	4 628	8 097	6 375	14 543	...
China					
Ores & concentrates	7 094	7 974	30 310	102 454	295 079
Unwrought (a)	42 153	40 100	48 616	66 704	69 511
Scrap	9 230	11 531	22 036	22 491	20 374
Hong Kong					
Unwrought	29 506	39 000	36 338	32 331	29 603
Unwrought alloys	57 472	71 711	76 562	97 609	91 725
Scrap	8 605	10 543	26 344	32 833	16 894
India (d)					
Ores & concentrates	60 170	45 996	49 905	39 516	...
Unwrought	19 927	24 600	30 552	53 900	...
Unwrought alloys	236	253	318	1 383	...
Scrap	148	492	1 905	7 202	...
Indonesia					
Unwrought	56 008	68 109	84 255	96 419	88 700
Unwrought alloys	11 890	9 499	7 303	6 069	...
Scrap	342	867	1 865	813	...
Iran (e)					
Unwrought	16 948	13 679	20 566	...	...
Israel					
Unwrought (a)	10 021	8 292	(b) *12 200	...	...
Japan					
Ore	1 233 112	1 181 060	992 025	1 072 653	922 875
Unwrought	105 831	84 248	64 156	116 986	134 798
Unwrought alloys	9 557	8 822	8 718	9 956	10 027
Scrap	248	843	1 472	991	305
Jordan					
Unwrought	1 336	2 074	1 178	2 200	...
Korea, Dem. P.R. of					
Ores & concentrates (b)	*10 500	*100 200	*64 300	*40 400	*45 600
Korea, Republic of					
Ores & concentrates	471 588	462 011	576 231	534 362	530 786
Unwrought (a)	25 079	46 501	71 999	52 792	89 553
Macao					
Unwrought	40	400	542	798	...
Malaysia					
Unwrought	20 216	23 905	(a) 36 079	(a) 47 400	...
Unwrought alloys	10 220	10 932	...	...	...
Pakistan (f)					
Unwrought	13 305	13 254	16 228	...	...
Philippines					
Unwrought (a)	39 064	41 418	44 797	56 973	...
Saudi Arabia					
Unwrought	10 148	11 779	11 253	...	...
Singapore					
Unwrought	73 874	134 549	167 146	38 708	45 457
Scrap	1 254	2 567	4 735	3 511	2 424
Sri Lanka					
Unwrought (a)	1 206	1 630	1 678	2 022	...
Taiwan					
Unwrought	128 828	170 832	170 234	205 648	196 422
Unwrought alloys	15 610	21 928	22 320	25 227	...
Scrap	125 200	79 139	68 872	66 870	...
Thailand					
Ores & concentrates	40 428	43 209	52 997	43 831	...
Unwrought	8 492	20 681	28 207	44 461	...
Unwrought alloys	3 271	5 319	4 935	9 517	...

Imports of Zinc

tonnes

Country	1992	1993	1994	1995	1996
Uzbekistan					
Ores & concentrates (b)	*7 300	...	*16 400	...	...
Australia (f)					
Ores & concentrates	22 176	23 578	...	...	...
Scrap	828	792	...	...	...
New Zealand (f)					
Unwrought (a)	18 731	20 926	21 404	19 352	...

Note(s):

(1) In this table the term 'unwrought' zinc corresponds to item 686.1 of the Standard International Trade Classification (Revision 3) and comprises blocks, pigs, slabs, etc.

- (a) Including alloys
- (b) BGS estimates, based on known exports from certain countries
- (c) Zn content
- (d) Years ended 31 March following that stated
- (e) Years ended 20 March following that stated
- (f) Years ended 30 June of that stated
- (g) Including semi-manufactures

Production of Zirconium Minerals

tonnes

Country	1992	1993	1994	1995	1996
Russia (b)	*3 000	*2 500	*2 500	*2 500	*2 500
Ukraine	*75 000	*70 000	*65 000	*60 000	*55 000
South Africa	*220 000	*220 000	*210 000	*250 000	*300 000
USA	108 156	111 000	*120 000	*120 000	*120 000
Brazil (a)	16 874	13 243	17 064	16 343	*16 500
China	*15 000	*15 000	*15 000	14 074	*15 000
India	*18 000	*20 000	*20 000	...	...
Malaysia	2 608	2 184	1 656	3 790	4 512
Sri Lanka	13 368	15 296	22 310	21 971	15 863
Thailand	1 723	707	326	—	—
Australia	355 000	413 000	511 000	506 000	462 000
World total	829 000	883 000	985 000	1 015 000	1 011 000

Note(s):

(1) In this table the term 'zirconium minerals' is understood to mean zircon, unless otherwise stated

(a) Including caldasite rock containing zircon and baddeleyite

(b) Including baddeleyite

Exports of Zirconium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Concentrates	1 262	2 429	2 614	2 436	2 596
Metal	245	83	99	318	671
Belgium-Luxembourg					
Concentrates	172	367	159	574	5 269
Metal	39	27	48	153	123
France					
Concentrates	713	692	1 659	1 954	...
Germany					
Concentrates	1 016	2 379	3 110	3 607	4 354
Metal	158	80	173	216	132
Italy					
Concentrates	8 945	9 858	13 636	20 910	...
Metal	947	610	1 759	4 421	...
Netherlands					
Concentrates	21 664	10 349	14 544	14 199	16 810
Spain					
Concentrates	96	265	(e) 1 205	(e) 3 823	...
Zirconium sand	3 430	1 574	...	...	...
Sweden					
Metal	172	76	58	42	43
Norway					
Concentrates	—	84	1 295	2 041	4 230
South Africa					
Concentrates (a)	*145 300	*178 100	*216 600	*276 600	...
USA					
Concentrates	32 418	36 002	34 085	42 441	36 546
Metal	1 731	1 493	1 219	1 700	1 089
Brazil					
Concentrates	1 006	1 104	930	818	...
Hong Kong					
Concentrates (d)	47 970	37 025	55 991	71 027	60 181
Malaysia					
Concentrates	1 698	1 006	1 858	2 560	...
Australia					
Concentrates	(b) 310 000	(c) 348 000	504 000	514 000	424 000

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) BGS estimates, based on known imports into certain countries

(b) Standard grade only

(c) Standard grade January-June, all grades thereafter

(d) Re-exports

(e) Including zirconium sand

Imports of Zirconium

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom					
Concentrates	37 708	57 432	39 728	56 128	57 432
Metal	147	1 385	359	461	375
Austria					
Concentrates	729	1 003	1 404	1 216	2 177
Belgium-Luxembourg					
Concentrates	1 836	2 898	3 679	3 117	2 859
Metal	287	209	201	1 082	253
Finland					
Concentrates	2 776	1 111	1 915	76	...
France					
Concentrates	43 273	38 561	56 158	64 417	...
Metal	449	497	187	189	...
Germany					
Concentrates	1 016	2 379	52 286	65 239	64 751
Metal	474	309	379	384	318
Italy					
Concentrates	66 656	98 431	96 848	144 390	...
Metal	86	59	106	117	...
Netherlands					
Concentrates	33 753	33 503	28 329	49 893	56 821
Portugal					
Concentrates	1 479	...	...	...	3 004
Spain					
Concentrates	52 930	52 149	61 115	83 388	...
Zirconium sand	8 668	17	...	...	...
Sweden					
Metal	264	214	198	180	...
Bulgaria					
Concentrates (a)	*500	*500	*400	...	...
Romania					
Metal	...	120	263	102	0
Turkey					
Concentrates	428	305	278	149	382
Zirconium sand	...	11 787	14 340	18 718	9 490
Canada					
Concentrates	8 172	9 521	12 622	17 788	22 512
Metal	286	341	337	556	349
Mexico					
Zirconium sand	9 651	10 174	12 672	13 343	...
USA					
Concentrates	42 772	70 035	80 802	93 601	92 483
Metal	557	395	625	736	620
Brazil					
Concentrates	5 098	9 994	10 316	9 115	...
China					
Concentrates	99 192	98 607	125 770	129 075	118 848
Metal	488	484	569	587	535
Hong Kong					
Concentrates	51 978	42 217	63 313	85 572	63 010
Indonesia					
Concentrates	1 469	3 284	3 692	2 590	...
Japan					
Concentrates	129 703	112 916	129 226	129 199	113 203
Metal	624	605	610	628	617
Korea, Republic of					
Concentrates	11 820	9 841	13 109	17 732	12 289
Metal	88	77	111	104	138
Malaysia					
Concentrates	2 612	4 182	3 093	...	...
Philippines					
Zirconium sand	419	329	176	498	...
Zirconium					

Zirconium

Imports of Zirconium

tonnes

Country	1992	1993	1994	1995	1996
Taiwan					
Concentrates	9 645	11 193	15 971	14 150	...
Zirconium sand	9 147	7 314	10 409	8 745	...
Thailand					
Concentrates	1 204	1 261	453	106	...

Note(s):

(1) Metal traded in ferro-alloy form is included under Iron, Steel and Ferro-alloys

(a) BGS estimates, based on known exports from certain countries

Production of Beryl

tonnes

Country	1992	1993	1994	1995	1996
Portugal	*4	*4	*4	*4	*4
Russia	*1 100	*800	*800	*800	*800
Madagascar	7	*5	*3	*3	*3
Namibia	0	15	0	0	0
Zambia	1	0	1	—	...
Zimbabwe	23	0	4	0	0
USA	4 826	4 939	4 330	5 040	5 260
Argentina	*30	*30	...	...	...
Brazil	*850	*850	*900	*900	*850
China	*1 400	*1 400	*1 400	*1 400	*1 400
Kazakhstan	*100	*100	*100	*100	*100

Production of Borates

tonnes

Country	1992	1993	1994	1995	1996
Germany	*2 000	*2 000	*2 000	*2 000	*2 000
Turkey	1 038 054	1 124 484	1 139 980	1 143 994	*1 200 000
USA (a)	1 009 000	1 055 000	1 110 000	1 190 000	1 150 000
Argentina	124 955	146 349	215 021	244 933	244 000
Bolivia	18 131	11 990	10 433	6 891	9 231
Chile	202 716	117 072	85 935	211 312	...
Peru	26 613	36 472	41 987	40 581	38 973
China (b)	126 800	155 400	188 200	294 300	...
Iran	...	*1 000	*1 000	*1 000	*1 000
Kazakhstan	*100 000	*90 000	*80 000	*80 000	*80 000

(a) Sold or used by producers

(b) B₂O₃ equivalent**Production of Germanium Metal**

tonnes

Country	1992	1993	1994	1995	1996
Spain	6	6	4	4	7
Soviet Union (b)	*12	*10	...	...	...
USA (a)	*13	*10	*10	*10	*18
China	*8	1	1	10	11
Japan	3	3	2	2	2

Note(s):

(1) Significant quantities of germanium are also believed to be recovered from imported or domestic material in Belgium, France, Federal Republic of Germany and to a lesser extent in Italy

(a) Including production of secondary metal

(b) Dissolved in December 1991. No information is available on which to estimate for individual countries

Production of Primary Magnesium Metal

tonnes

Country	1992	1993	1994	1995	1996
France	13 600	10 980	12 500	14 450	14 000
Italy	1 211	—	—	—	—
Norway	30 400	27 300	27 600	32 000	37 790
Russia	*40 000	*30 000	35 400	37 500	*35 000
Ukraine	15 000	14 900	12 000	13 000	*13 000
Yugoslavia, Federal Republic of	4 055	—	—	2 560	3 090
Canada	25 800	23 000	*30 000	*46 000	*46 000
USA	136 947	132 144	128 475	142 100	133 100
Brazil	7 300	9 700	*9 700	*9 700	*9 000
China	10 500	13 200	24 000	93 600	73 200
Japan	7 119	7 471	3 000	—	—
Kazakhstan	*3 000	*2 000	2 967	8 972	...

Production of Nepheline Syenite

tonnes

Country	1992	1993	1994	1995	1996
Norway	334 000	*350 000	278 646	293 684	*300 000
South Africa	174 864	127 417	131 556	145 459	137 706
Canada	554 000	550 000	601 000	618 000	620 000

Production of Perlite

tonnes

Country	1992	1993	1994	1995	1996
Greece	505 348	548 574	468 699	565 479	460 000
Italy	*65 000	*65 000	*65 000	*60 000	*60 000
Armenia	*50 000	*10 000	*5 000	*6 000	*6 000
Czechoslovakia (a)	*40 000	—	—	—	—
Hungary	40 290	65 801	72 239	109 913	*110 000
Slovakia	—	...	28 270	21 850	25 160
Turkey	192 500	147 864	164 582	171 058	183 160
Mexico	42 637	34 568	31 918	33 529	37 417
USA	762 000	691 000	664 000	813 000	811 000
Argentina	16 514	9 367	21 201	20 058	...
Iran (b)	5 000	5 000	443	1 300	...
Japan	*203 000	*200 000	*200 000	*200 000	*200 000
Philippines	*2 800	19 779	*20 000	*20 000	*20 000
Australia	*5 000	*5 000	*5 000	*5 000	*5 000
New Zealand	2 000	814	0	...	...

Note(s):

(1) In addition to the countries listed, Algeria, Bulgaria, Canada, China, Iceland, Mozambique and former Yugoslavia are believed to produce perlite

(a) Expanded

(b) Years ended 20 March following that stated

Production of Selenium Metal

tonnes

Country	1992	1993	1994	1995	1996
Belgium	*250	*250	*250	*250	*250
Finland	32	32	30	27	43
Germany	*125	*120	*120	*115	*120
Sweden	32	23	20	26	20
Poland	12	20	60	77	*80
Yugoslavia, Federal Republic of	58	28	27	40	39
Zambia (b)	29	28	23	18	*20
Canada	345	542	566	561	670
USA	243	283	360	373	379
Chile (a)	63	69	43	51	73
Peru	14	17	18	15	13
China	*48	*63	*65	*65	*65
Japan	573	541	613	548	588
Philippines	30	42	41	42	44

Note(s):

In addition to the countries listed, Australia, India, the Republic of Korea and former Soviet Union are believed to produce selenium metal

(a) Exports

(b) Years ended 31 March following that stated

Production of Strontium Minerals

tonnes

Country	1992	1993	1994	1995	1996
United Kingdom	2 000	2 000	—	—	—
Spain	72 295	52 968	102 046	90 972	*91 000
Turkey	37 940	43 700	25 000	*25 000	*25 000
Algeria	*5 400	*5 400	*5 400	*5 400	*5 400
Mexico	61 097	71 903	111 485	138 345	141 142
Argentina (a)	2 237	4 806	8 484	9 325	*9 000
Iran (b)	13 138	17 082	*20 000	*20 000	*20 000
Pakistan	1 448	1 684	2 320	1 625	2 500

Note(s):

(1) In addition to the countries listed, China, Federal Republic of Germany, Poland and former Soviet Union are believed to produce strontium minerals

(a) May contain unbeneficiated material

(b) Years ended 20 March following that stated

Production of Tellurium Metal

tonnes

Country	1992	1993	1994	1995	1996
Canada	25	27	42	102	62
USA	50	50	50	50	50
Peru	19	17	25	30	25
Japan	57	47	47	43	40

Note(s):

(1) In addition to the countries listed, Australia, Federal Republic of Germany and former Soviet Union are believed to produce tellurium metal

Mine Production of Uranium

tonnes (metal content)

Country	1992	1993	1994	1995	1996
France	2 880	1 539	1 315	857	841
Germany	232	116	395	40	40
Portugal	29	32	24	18	14
Spain	187	183	255	255	255
Czechoslovakia	1 539	—	—	—	—
Czech Republic	—	1 018	537	611	589
Hungary	430	382	415	221	200
Russia	*2 640	2 399	2 968	2 250	2 000
Ukraine	*500	*500	*500	*500	*500
Gabon	594	509	589	640	565
Namibia	1 685	1 668	1 896	2 007	2 452
Niger	2 965	2 913	2 964	2 970	3 320
South Africa	1 671	1 703	1 616	1 443	1 445
Canada	9 298	9 154	9 644	10 462	11 723
USA	2 171	1 178	1 289	2 324	2 431
Argentina	124	126	80	58	23
Brazil	—	50	50	125	125
China	955	780	780	500	450
India	*230	*290	*200	*200	*200
Kazakhstan	2 802	2 700	2 240	1 177	1 320
Uzbekistan	2 680	2 600	2 015	1 800	1 500
Australia	2 334	2 256	2 208	3 712	4 976
World total	35 900	32 100	32 000	32 200	35 000
World total (U ₃ O ₈ equivalent)	42 400	37 900	37 700	38 000	41 300

Production of Vermiculite

tonnes

Country	1992	1993	1994	1995	1996
Russia	*60 000	*50 000	*40 000	*40 000	*30 000
Egypt (c)	217	457	1 659	...	140
Kenya	2 279	1 961	*1 110	457	*500
South Africa	170 399	213 847	223 478	221 748	173 511
Zimbabwe	4 300	5 032	8 184	13 742	*15 000
USA (a)	190 000	190 000	177 000	*170 000	*170 000
Brazil (b)	11 651	14 545	17 233	18 806	*20 000
India	1 609	1 485	1 903	1 688	1 750
Japan	*15 000	*15 000	*15 000	*15 000	*15 000

Note(s):

(1) In addition to the countries listed, Australia and Malawi are believed to produce vermiculite

(a) Sold or used by producers

(b) Including beneficiated and directly shipped material

(c) Years ended 30 June of that stated

Production of Wollastonite

tonnes

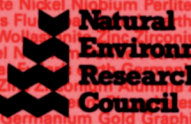
Country	1992	1993	1994	1995	1996
Finland	27 928	26 656	27 757	29 592	22 304
Czech Republic	—	—	—	800	800
Namibia	...	...	1 309	967	248
Mexico	27 392	35 800	29 000	20 194	28 365
USA	*120 000	*120 000	*130 000	*130 000	*150 000
China	*100 000	*120 000	...	...	...
India	57 998	80 748	68 269	90 128	*90 000

Note(s):

(1) In addition to the countries listed, Japan, Kazakhstan and Turkey are believed to produce wollastonite

ISBN 0 85272 308 3

BGS £80 net



Repeating list of chemical elements and compounds including Potash Pyrites, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Mica, Molybdenum, Natural, Nepheline, Nickel, Niobium, Perlite, Petroleum, Phosphates, Platinum, Potash, Pyrites, Rare earths, Salt, Selenium, Silicon, Sillimanite, Silver, Strontium, Sulphur, Talc, Tantulum, Tellurium, Tin, Titanium, Tungsten, Uranium, Vanadium, Vermiculite, Wollastonite, Zinc, Zirconium, Alumina, Aluminium, Antimony, Arsenic, Asbestos, Barytes, Bauxite, Bentonite, Beryl, Bismuth, Borates, Bromine, Cadmium, Chromium, Cobalt, Copper, Diamond, Diatomite, Feldspar, Ferro-alloys, Fluorspar, Fuller's earth, Germanium, Gold, Graphite, Gypsum, Iodine, Iron, Iron ore, Iron and steel, Kaolin, Lead, Lithium, Magnesia, and Magnesia.